April 28, 2026

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

RE: **Ross Draw Unit #044H - Closure Request Report**
Incident Number: nAPP2508325453
GPS: 32.034744°, -103.875862°
Eddy County, New Mexico
ESRR Project No. VP-155

To Whom It May Concern:

Earth Systems Response & Restoration (ESRR), on behalf of WPX Energy (WPX), presents the following Closure Request Report (CRR) detailing excavation activities and subsequent soil sampling events in accordance with an approved Site Characterization & Remediation Plan (SCRP) to address soil impacts associated with an inadvertent release of crude oil at the Ross Draw Unit #044H (Site). Based on completed remedial actions and laboratory analytical results from recent soil sampling events, WPX is requesting No Further Action (NFA) at the Site.

Site Location & Incident Background

The Site is located in Unit D, Section 22, Township 26 South, Range 30 East, in Eddy County, New Mexico (32.034744°, -103.875862°) and is associated with oil and gas exploration and production operations on Federal Land managed by the Bureau of Land Management (BLM) (**Figure 1**).

On March 20, 2025, a leak developed on a transfer pump, causing the release of approximately 15 barrels (bbl) of crude oil within a lined secondary containment (LSC) and adjacent production pad surfaces. A vacuum truck was immediately dispatched to the Site and recovered 15 bbls of fluids. WPX gave notice to the New Mexico Oil Conservation Division (NMOCD) on March 24, 2025, by Notification of Release (NOR) and was subsequently assigned Incident Number nAPP2508325453. A Corrective Action Form C-141 (Form C-141) was later submitted on March 26, 2025. ESRR conducted initial site assessment activities and mapped the observed release footprint on March 25, 2025, hereafter referred to as the Area of Concern (AOC) (**Figure 2**).

On January 14, 2026, WPX submitted a SCRP detailing soil sampling activities to date and a scope of work to address soil impacts associated with the inadvertent release. The NMOCD approved the SCRP on January 29, 2026 with the following conditions:

> *"The Remediation Plan is Conditionally Approved. 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 standards for site assessment/characterization/proven depth to water determination. Confirmation samples should be collected every 200 ft2. The work will need to occur in 90 days after the work plan has been reviewed."*

Site Characterization

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

- Between 1,000 feet and ½ 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);
- Greater than 5 miles of any occupied permanent residence, school, hospital, institution or church;
- Between 1 and 5 miles of any spring or a private, domestic fresh water well used by less than five households for domestic or stock watering purposes;
- Between 1 and 5 miles of any other freshwater well or spring;
- Greater than 5 miles of any incorporated municipal boundary or a defined municipal fresh water well field covered under a municipal ordinance;
- Between 1,000 feet and ½ mile of any wetland;
- Greater than 5 miles of any subsurface mine;
- Between 1,000 feet and ½ mile of an unstable area (non-karst); and
- Greater than 5 miles of a 100-year floodplain.

As previously described in the approved SCRP, the Environmental Karst Study Report performed by Southwest Geophysical Consultants, designated the Site with low karst potential and depth to groundwater (DTW) was estimated to be greater than 100 feet below ground surface (bgs).

Receptor details used to determine the Site characterization are included in **Figure 1A** and **Figure 1B**. The **Environmental Karst Study Report** and **Referenced Well Records** for the closest DTW well are attached. 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 (GRO)+ TPH (DRO)	1,000 mg/kg
Benzene	10 mg/kg
Benzene, Toluene, Ethylbenzene, Total Xylenes (BTEX)	50 mg/kg

‡*The reclamation concentration requirements of 600 mg/kg Chloride and 100 mg/kg TPH apply to the top 4 feet of areas to be immediately reclaimed following remediation pursuant to NMAC 19.15.17.13.*
TPH= Gasoline Range Organics (GRO) + Diesel Range Organics (DRO) + Oil Range Organics (ORO)
Laboratory Analytical Methods used: Environmental Protection Agency (EPA) 300.0, EPA 8015 NM, EPA 8021 B

Remediation Activities

During February of 2026, Devon oversaw a third-party contractor perform excavation activities of identified soil impacts in accordance with the approved SCRP via mechanical equipment. The excavation was vertically advanced to a depth of approximately 0.25 feet bgs.

Following the removal of soil, ESRR collected five-point composite soil samples at a sampling frequency of 200 square feet from the excavation floor (CS-1 through CS-21) and sidewalls (ESW-1, NSW-1, SSW-1, and WSW-1). The five-point composite soil samples were comprised of five equivalent aliquots homogenized in a 1-gallon resealable plastic bag. Confirmation soil samples were placed directly into lab-provided pre-cleaned jars, packed with minimal void space, labeled, and placed on ice. The confirmation soil samples were transported under strict chain-of-custody procedures, to Eurofins in Carlsbad, New Mexico, for analysis of the COCs. **Photographic Documentation** of all activities is attached.

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

Approximately 30 cubic yards (CY) of impacted soil was removed from the Site and transported to R360 Red Bluff in Orla, Texas under WPX approved manifests. Upon receipt of the final confirmation soil sample results, the excavation was backfilled with clean, locally sourced soil and the Site was restored to "*as close to its original state*" as possible. The final soil cover was contoured to match the Site's pre-existing grade to prevent ponding of water and erosion.

Closure Request

Based on confirmation laboratory analytical results, soil impacts associated with the inadvertent release have been delineated, excavated, and transported from the Site to a regulated disposal facility in accordance with the Site Closure Criteria. WPX believes these actions meet the requirements set forth in NMAC 19.15.29.13 regulations in order to be protective of human health, the environment, and groundwater. Due to the active status of the well pad, the top 4 feet of the AOC is not ready to undergo complete reclamation in which the primary purpose is to reestablish vegetation. With depth to groundwater estimated to be greater than 100 feet bgs, and no sensitive receptors within the established buffers in NMAC 19.15.29.12, WPX believes residual chloride concentrations within the AOC, exceeding the reclamation standard but below the Site Closure Criteria, meet the requirements set forth in NMAC 19.15.29.13 regulations and is equally protective of human health, the environment, and groundwater.

WPX will reassess the Site during Plugging and Abandonment (P&A) activities and/or major facility deconstruction, whichever comes first, and address soil concentrations above the reclamation requirements of 100 mg/kg for TPH and 600 mg/kg for chloride (**Figure 4**). The final remediation will be confirmed via final confirmation sampling and is subject to change. As such, NFA appears warranted at this time, and WPX respectfully requests Closure of this CRR associated with Incident Number nAPP2508325453.

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

Sincerely,

EARTH SYSTEMS RESPONSE & RESTORATION

Gilbert Moreno
Carlsbad Operations Manager/ Project Geologist

Kris Williams, CHMM, REM
Principal

cc: Jim Raley, WPX Energy Permian
Bureau of Land Management

Attachments:

- Figure 1 - Site Map
- Figure 1A - Groundwater
- Figure 1B - Karst Potential
- Figure 2 - Delineation Soil Sample Locations
- Figure 3 - Excavation Soil Sample Locations
- Figure 4 - Future Restoration Areas
- Table 1 - Soil Sample Analytical Results
- Photographic Documentation
- Environmental Karst Study Report
- Referenced Well Record
- NMOCD Email Documentation & Correspondence
- Executed Chain-of-Custody Forms and Laboratory Analytical Reports
- Archived Report

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Figure 1 – Site Map

WPX Energy – Ross Draw Unit #044H
GPS: 32.034744, -103.875862
Eddy County, New Mexico

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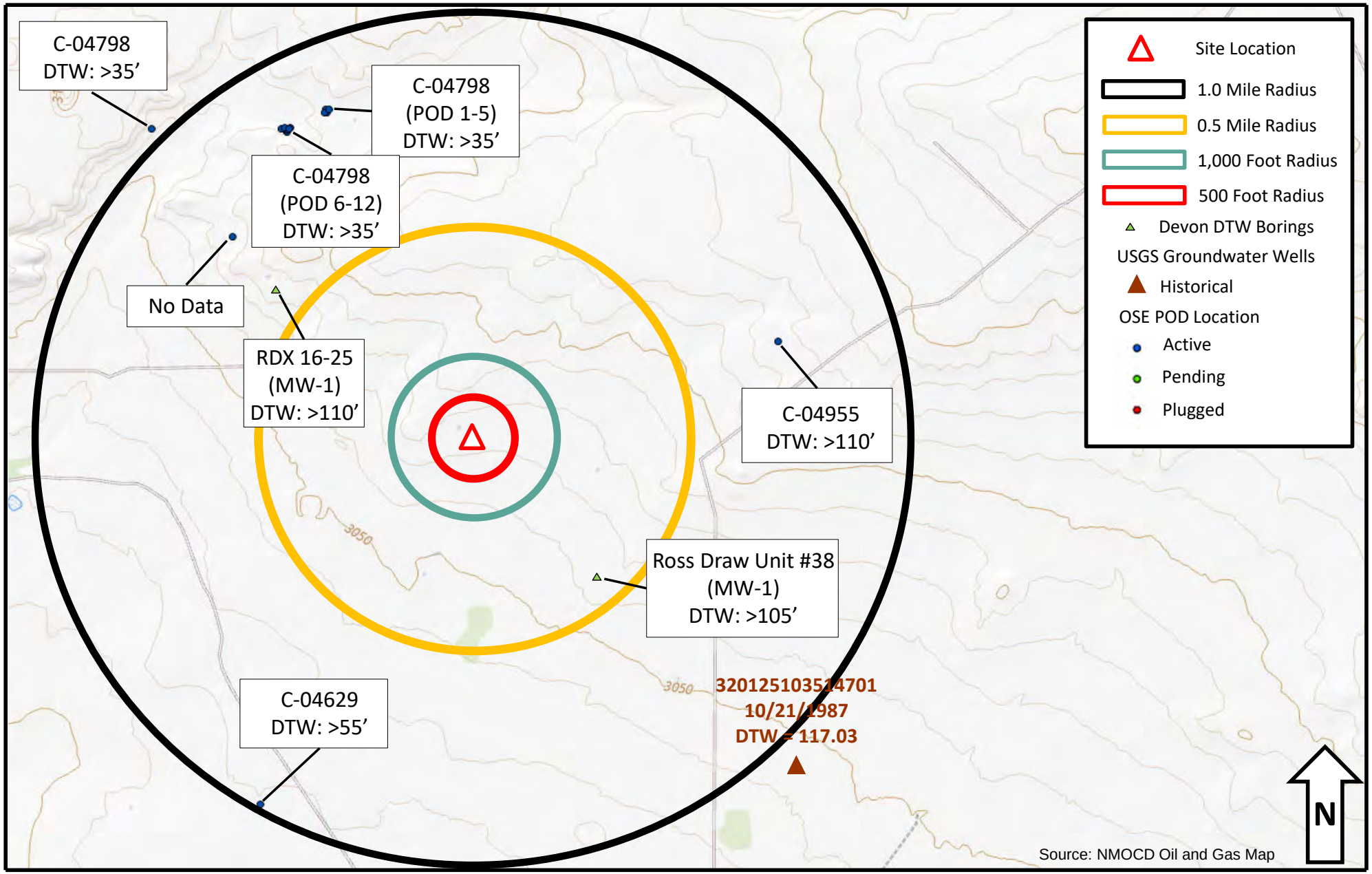

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Figure 1A – Groundwater

WPX Energy – Ross Draw Unit #044H
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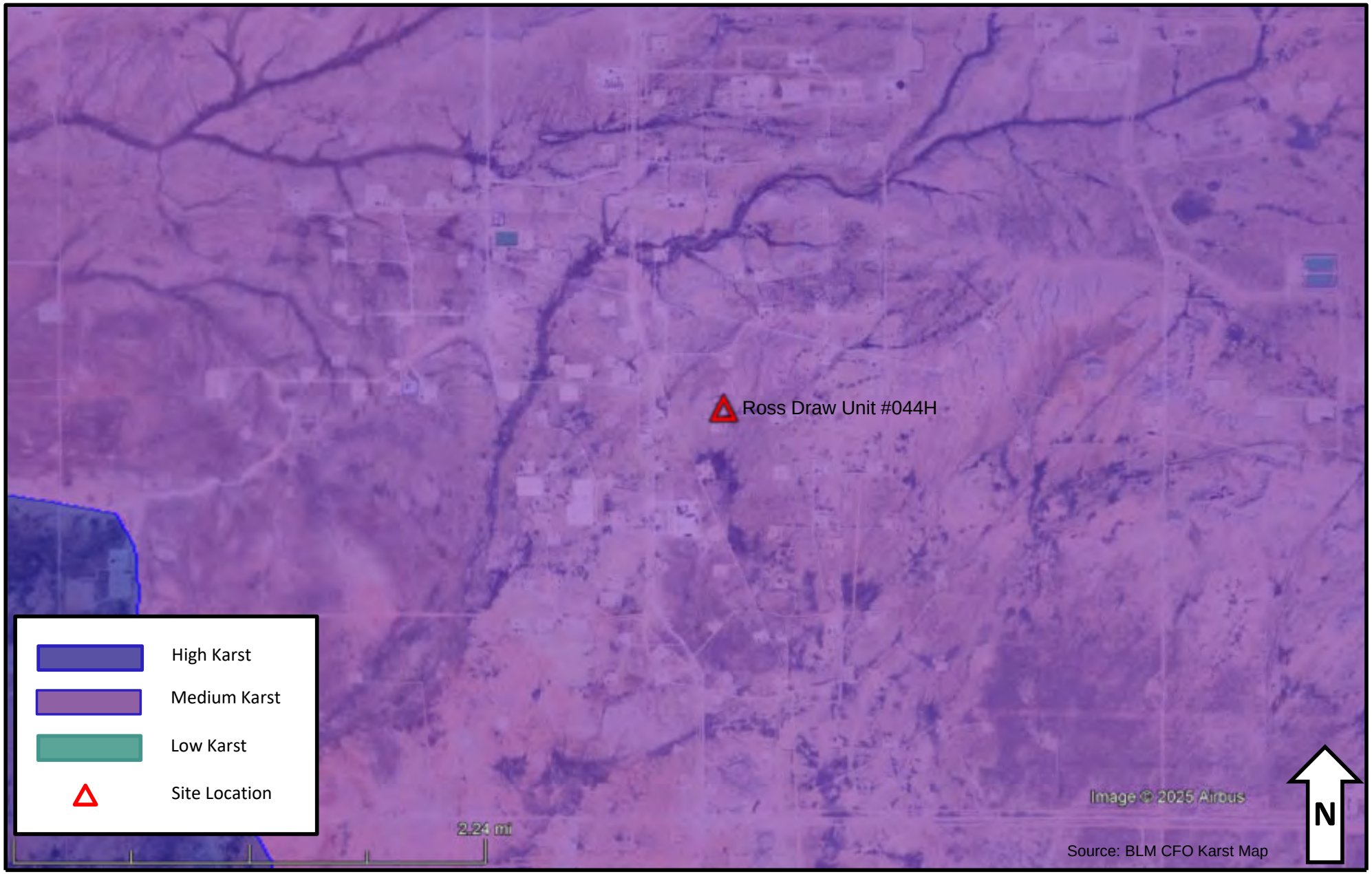

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Figure 1B – Karst Potential

WPX Energy – Ross Draw Unit #044H
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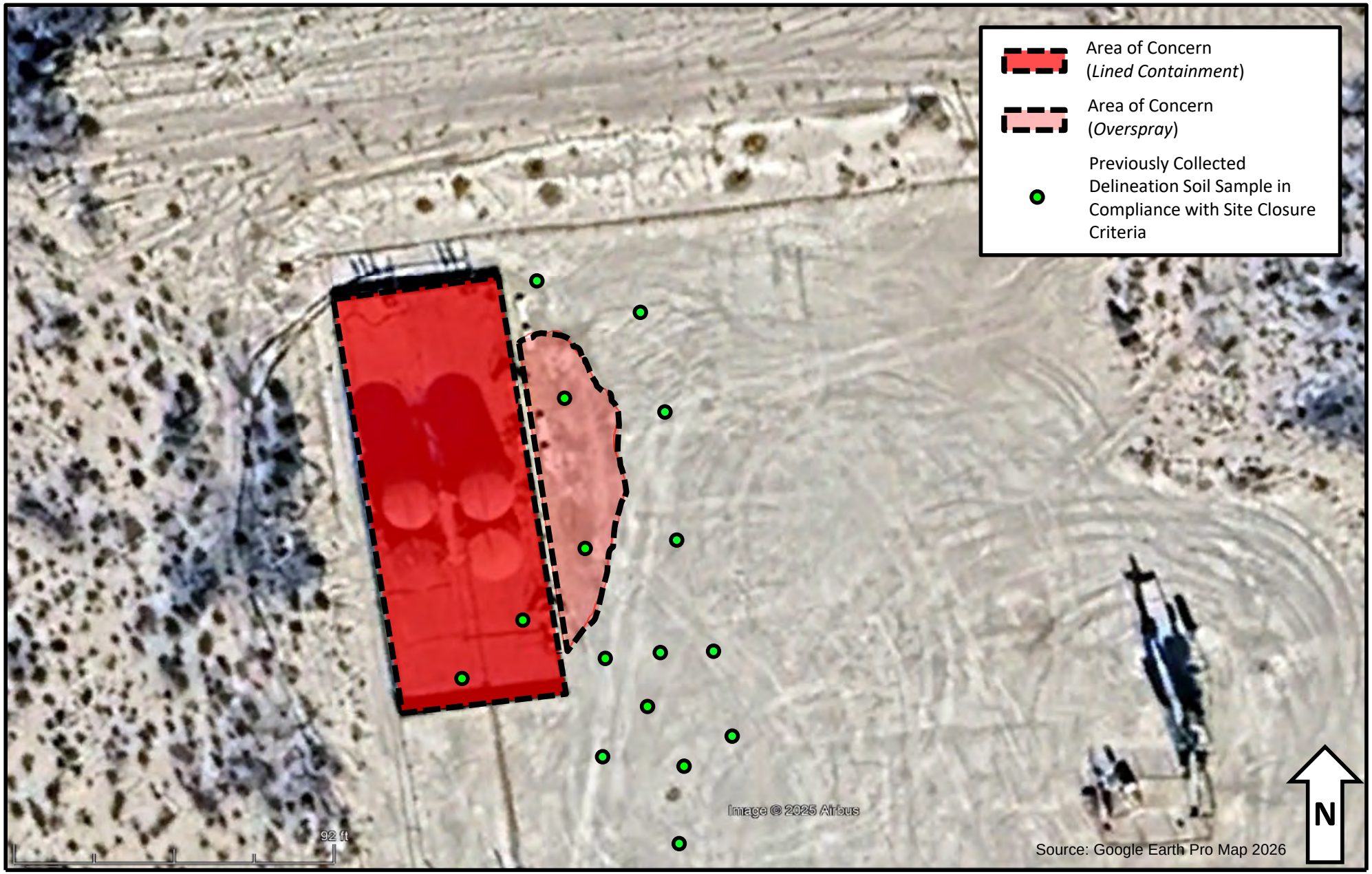

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Figure 2 – Area of Concern

WPX Energy – Ross Draw Unit #044H
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Eddy County, New Mexico

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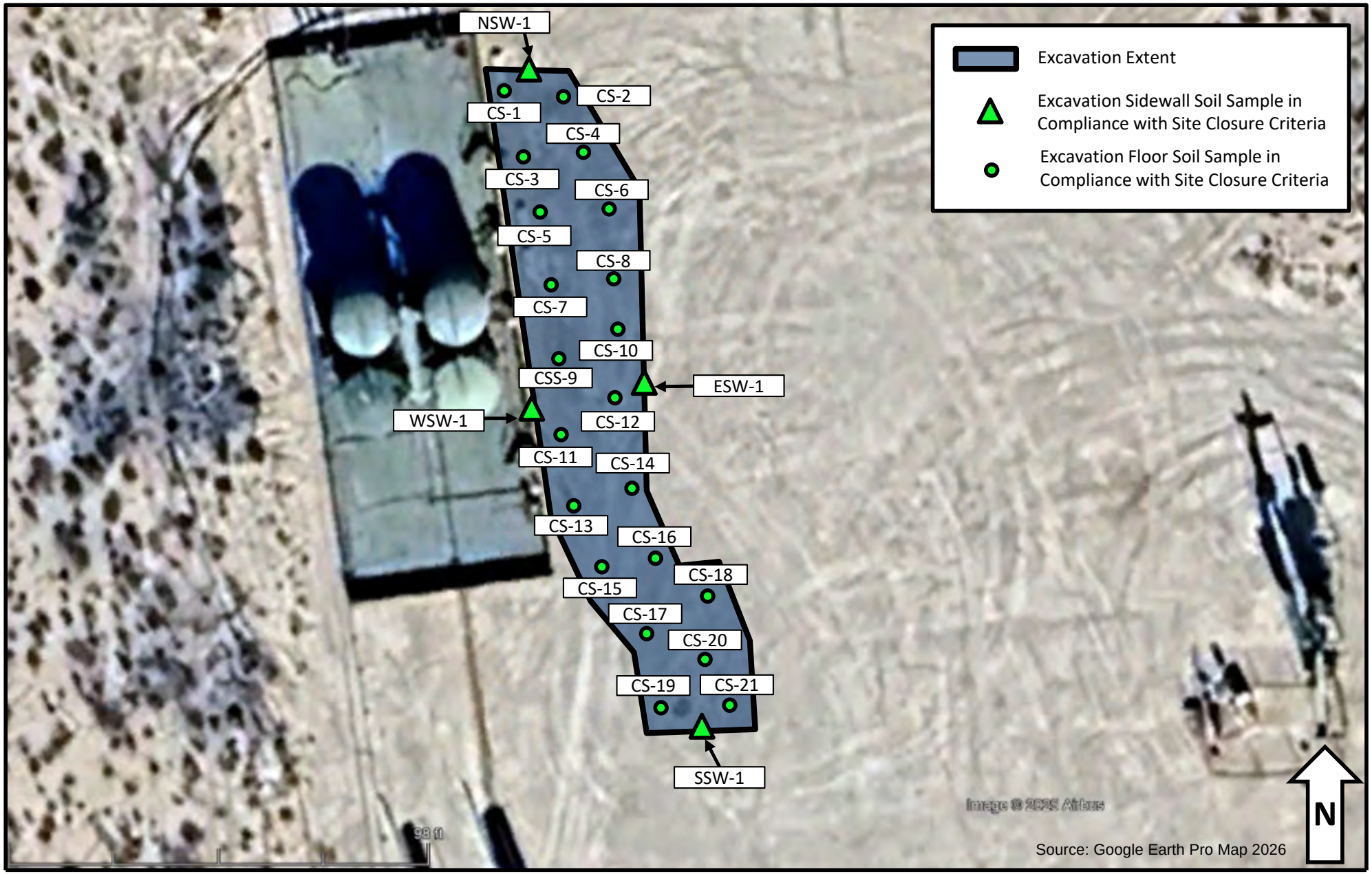

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Figure 2 – Excavation Soil Sample Locations

WPX Energy – Ross Draw Unit #044H
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Figure 3 – Future Restoration Areas

WPX Energy – Ross Draw Unit #044H
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Table 1A
SOIL SAMPLE ANALYTICAL RESULTS
ROSS DRAW UNIT #044H
Eddy County, New Mexico

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Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH ORO (mg/kg)	TPH DRO (mg/kg)	DRO+GRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria for Soils Impacted by a Release (NMAC 19.15.29)			10	50	NE	NE	NE	1,000	2,500	20,000
Confirmation Soil Samples - nAPP2508325453										
ESW - 1	02/13/26	0-0.25	<0.00202	<0.00404	<49.8	<49.8	<49.8	<49.8	<49.8	52.3
NSW - 1	02/13/26	0-0.25	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	<50.0	43.5
SSW - 1	02/13/26	0-0.25	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	63.2
WSW - 1	02/13/26	0-0.25	<0.00198	<0.00396	<50.2	<50.2	<50.2	<50.2	<50.2	36.2
CS-1	02/13/26	0.25	<0.00200	<0.00399	<50.1	<50.1	<50.1	<50.1	<50.1	1,430
CS-2	02/13/26	0.25	<0.00201	<0.00404	<49.8	<50.0	196	196	196	657
CS-3	02/13/26	0.25	<0.00202	<0.00402	<50.0	<49.8	<49.8	<49.8	<49.8	1,390
CS-4	02/13/26	0.25	<0.00199	<0.00398	<50.0	<50.0	373	373	373	704
CS-5	02/13/26	0.25	<0.00198	<0.00398	<50.0	<49.9	<49.9	<49.9	<49.9	1,010
CS-6	02/13/26	0.25	<0.00200	<0.00404	<49.8	<49.9	51.2	51.2	51.2	592
CS-7	02/13/26	0.25	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	<50.0	1,360
CS-8	02/13/26	0.25	<0.00199	<0.00398	<50.0	<49.9	<49.9	<49.9	<49.9	308
CS-9	02/13/26	0.25	<0.00198	<0.00402	<50.0	<50.0	<50.0	<50.0	<50.0	1,090
CS-10	02/13/26	0.25	<0.00200	<0.00398	<49.8	105	<49.8	<49.8	105	547
CS-11	02/13/26	0.25	<0.00201	<0.00404	<50.0	<50.0	<50.0	<50.0	<50.0	356
CS-12	02/13/26	0.25	<0.00202	<0.00402	<50.1	<50.1	<50.1	<50.1	<50.1	4,180
CS-13	02/13/26	0.25	<0.00199	<0.00398	<50.2	<50.2	<50.2	<50.2	<50.2	372
CS-14	02/13/26	0.25	<0.00198	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	7,170
CS-15	02/13/26	0.25	<0.00200	<0.00404	<50.2	<50.2	<50.2	<50.2	<50.2	1,690
CS-16	02/13/26	0.25	<0.00200	<0.00402	<50.1	<50.1	<50.1	<50.1	<50.1	7,050
CS-17	02/13/26	0.25	<0.00201	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	118
CS-18	02/13/26	0.25	<0.00202	<0.00404	<49.8	<49.8	<49.8	<49.8	<49.8	2,420
CS-19	02/13/26	0.25	<0.00199	<0.00402	<49.9	<49.9	<49.9	<49.9	<49.9	140
CS-20	02/13/26	0.25	<0.00198	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	95.7
CS-21	02/13/26	0.25	<0.00199	<0.00398	<50.0	<49.9	<49.9	<49.9	<49.9	72.2

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.

Ross Draw Unit #044H – Closure Request Report
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PHOTO 1: Southeastern view during initial site assessment activities. 3/25/2025

PHOTO 2: Northwestern view during initial site assessment activities. 3/25/2025

PHOTO 3: Northwestern view during excavation activities. 2/13/2026

PHOTO 4: Western view during excavation activities. 2/13/2026

PHOTO 5: Northwestern view of excavation extent. 2/13/2026

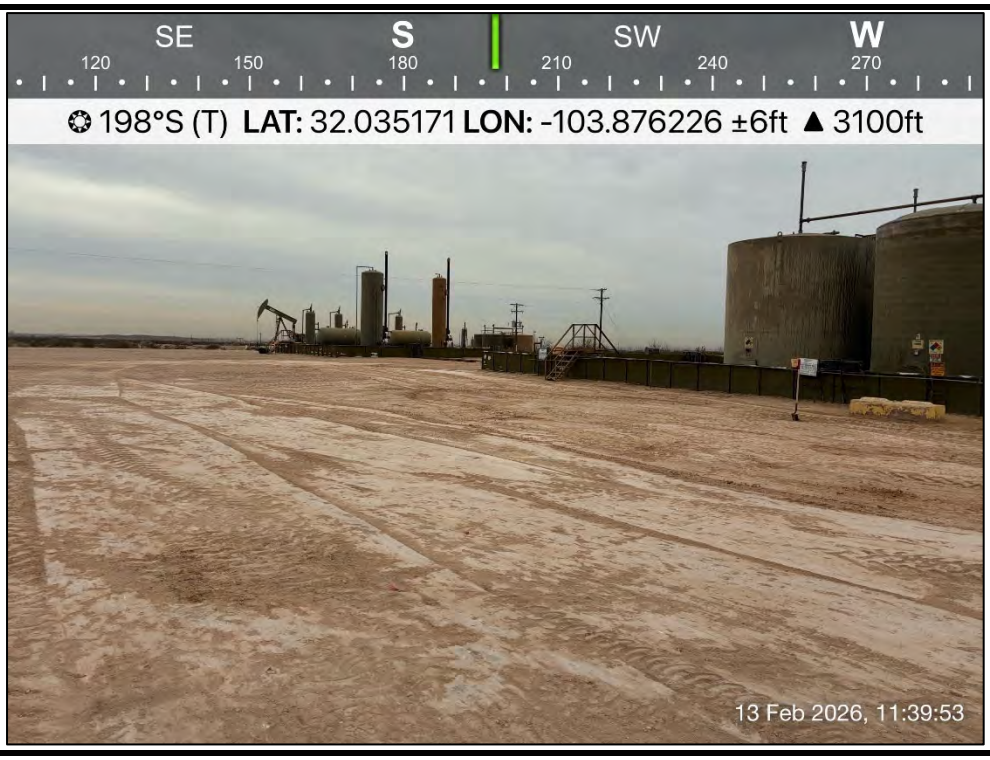

PHOTO 6: Southwestern view of excavation extent. 2/13/2026

Ross Draw Unit #044H – Closure Request Report
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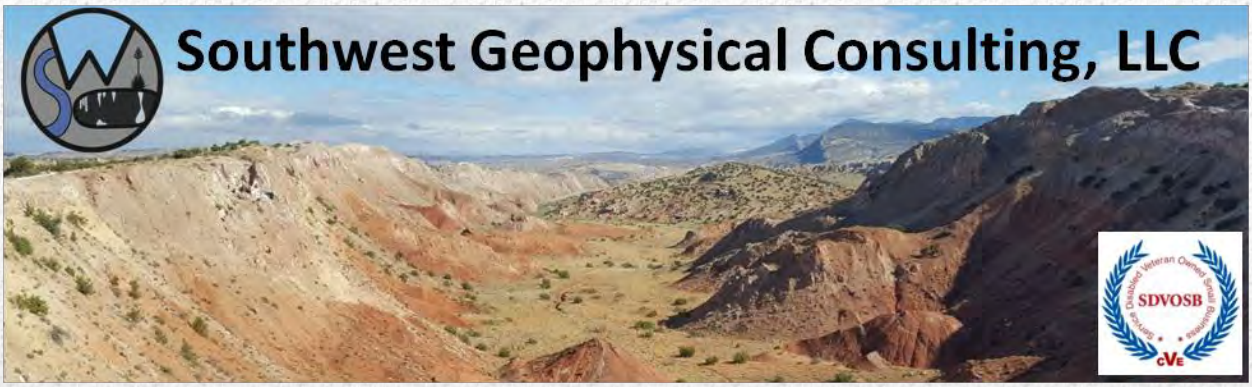
PHOTO 7: Southwestern view of excavation extent. 2/13/2026



Environmental Karst Study Report
Devon Ross Draw Unit No. 044H
Eddy County, New Mexico

Prepared For:

Earth Systems, LLC
1910 Resource Court
Carlsbad, NM 88220

Within 200 feet of the spill delineation boundary:

☑ Negative ☐ Positive for surface karst

☑ Stable ☐ Unstable Ground

☐ Karst Monitor Recommended

November 11, 2025

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1.0 INTRODUCTION

This report was commissioned by Earth Systems, LLC (hereinafter referred to as "the client"), on October 28, 2025, for the purpose of conducting an environmental karst study within an area encompassing the Devon Ross Draw Unit No. 044H release site (hereinafter termed “RD44”) centered at N 32.034756° W 103.876064°.

1.1 Goals of this Study

The goals of this study are to conduct a surface karst inventory and provide the client with the location and description of any surface karst features located within 200 feet (61 meters) of the spill delineation boundary (as defined by 19.15.29.12 NMAC[1]), and to determine whether stable ground exists (as defined by 19.15.2 NMAC Definitions[2]) within 200 feet of the spill delineation boundary of the Devon Ross Draw Unit No. 044H release as provided by the client via e-mail (**Release Extent-RDU 44.kmz**) on October 28, 2025, using electrical resistivity imaging[3].

1.2 Summary of Findings

- **No surface karst features exist within 200 feet (61 meters) of the spill delineation boundary.**
- **No anomalies consistent with subsurface air- or water-filled voids were found within the RD44 geophysical survey area, indicating the zone beneath the geophysical survey is not subject to collapse.**
- **Moderately well-layered stratigraphy is interpreted to exist beneath the area where the geophysical survey was conducted, indicating stable ground within the 200-foot survey boundary.**

1.3 Affected Environment

The RD44 project site is located in evaporite karst terrain, a landform that is characterized by underground drainage through solutionally enlarged conduits. Evaporite karst terrain may contain sinkholes, sinking streams, caves, and springs. Sinkholes leading to underground drainages and voids are common. These karst features, as well as occasional fissures and discontinuities in the bedrock, provide the primary sources for rapid recharge of the groundwater aquifers of the region. Additionally, karst may develop by hypogene processes involving dissolution by upwelling fluids from depth independent of recharge from the overlying or immediately adjacent surface. Hypogene karst systems may not be connected to the surface and can remain undiscovered unless encountered during drilling or excavation.

Karst features are delicate resources that are often of geological, hydrological, biological, and archeological importance, and should be protected. The four primary concerns in these types of terrain are environmental issues, worker safety, equipment damage, and infrastructure integrity.

The Bureau of Land Management (BLM) categorizes all areas within the Carlsbad Field Office (CFO) zone of responsibility as having either low, medium, high, or critical cave potential based on geology, occurrence of known caves, density of karst features, and potential impacts to freshwater aquifers[4]. These designations are also recognized by the New Mexico State Land Office (NMSLO). This project occurs within a **MEDIUM** karst occurrence zone (MKOZ)[5] (**Figure 1**).

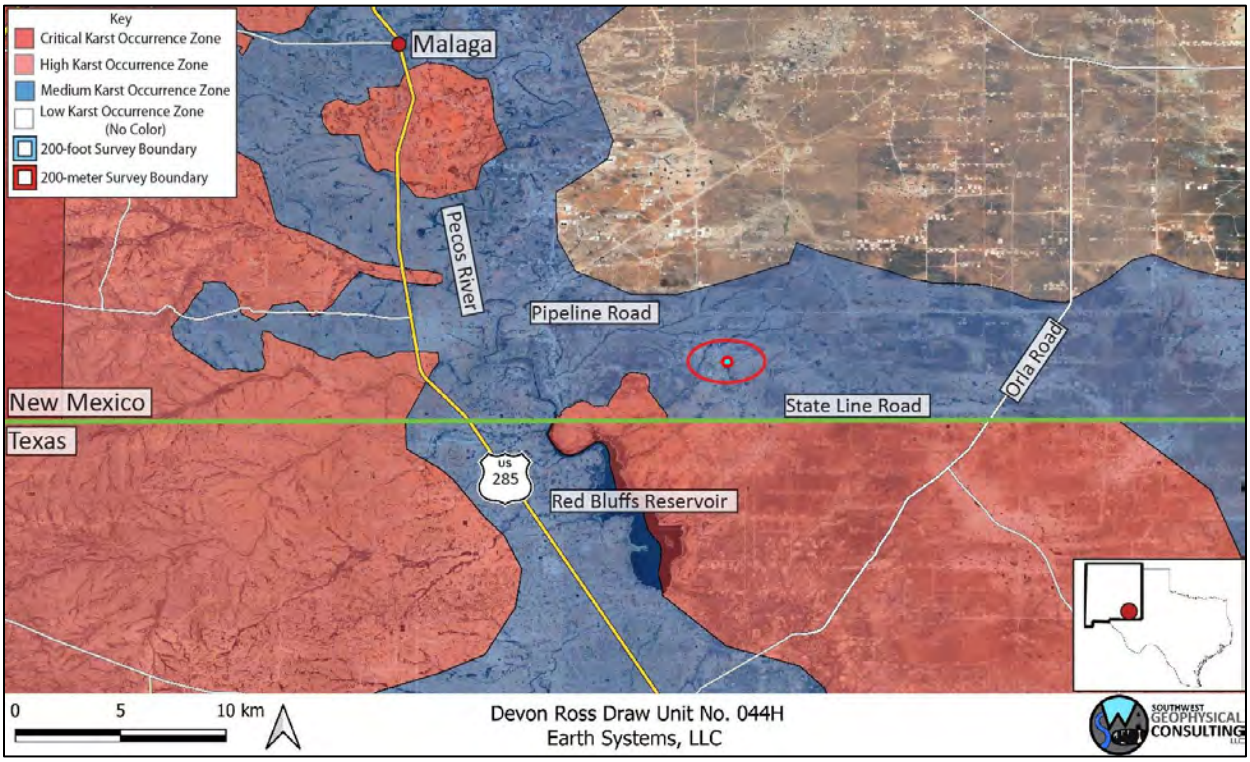

Figure 1: Karst occurrence zone overview. Background image credit: Google Earth. Image date: March 20, 2023. Image datum: WGS-84.

A medium karst occurrence zone is defined as an area in known soluble rock types that may have a shallow insoluble overburden. These areas may contain isolated karst features such as caves and sinkholes. Groundwater recharge may not be wholly dependent on karst features, but the karst features still provide the most rapid aquifer recharge in response to surface runoff [4].

Due to the rapidity with which evaporite karst develops, each location within a BLM-CFO-designated karst occurrence zone must be assessed on an individual basis to determine the existence of surface karst features and the possibility of sub-surface karst development each time a release occurs.

1.4 Limitations of Report

This report should be read in full. No responsibility is accepted for the use of any part of this report in any other context or for any other purpose or by third parties. This report does not purport to give legal advice. Legal advice can only be given by qualified legal practitioners.

This report has been prepared for the use of Earth Systems, LLC, in accordance with generally accepted consulting practices. Every effort has been made to ensure the information in this report is accurate as of the time of its writing. This report has not been prepared for use by parties other than the client, their contracting party, and their respective consulting advisors. It may not contain sufficient information for the purposes of other parties or for other uses.

This report was prepared upon completion of the associated fieldwork using a standard template prepared by Southwest Geophysical Consulting and is based on information collected prior to fieldwork, conditions encountered on site, and data collected during the fieldwork and reviewed at the time of preparation. Southwest Geophysical Consulting disclaims responsibility for any changes that might have occurred at the site after this time. The interpreted results, locations, and depths noted in this report (if applicable) should be taken as an interpretation only and no decision should be based solely on this information. Physical verification of aerial imagery analysis results should be conducted in the field prior to using this information for remediation planning. Physical verification of geophysical results using geotechnical methods should be conducted.

To the best of our knowledge, the information contained in this report is accurate at the date of issue. Due to the nature of karst terrain, the information in this report shall not be used beyond two years past the date of the field work provided in section ***2.3 Description of Survey***. Large weather events can shorten this time period as areas subject to karst development can rapidly form new features subsequent to these events.

2.0 LOCATION AND DESCRIPTION OF STUDY AREA

2.1 Description of Site

The site is located in Eddy County, New Mexico, 28.1 kilometers (17.5 miles) southeast of Malaga, east of the Pecos River, north of State Line Road, and south of Pipeline Road. The release area is located within section 22 of NM T26S R30E[6] (**Figure 1** and **Figure 2**). The region has rolling terrain with karstification occurring in the gypsite soils and underlying gypsum and dolomite bedrock[7] (see section ***2.2 Local Geology Summary*** for further information). The climate in this area of southeast New Mexico is semi-arid with an average annual precipitation of approximately 13 inches, of which about two-thirds falls as rain during summer thunderstorms from June to October. Summers are hot and sunny while winters are generally mild, with an average maximum temperature of 96°F in July and an average minimum temperature of 28°F in January[8]. This area is within the Chihuahuan Desert Thornscrub as defined by the Southwestern Regional ReGAP Vegetation map[9] and the vegetation consists mostly of areas of blue grama, nine-awned pappus grass, burro grass and low scrub including yucca. The spill delineation boundary is located within an MKOZ[5] (**Figure 1**) and within BLM-CFO-managed land[10] (**Figure 2**).

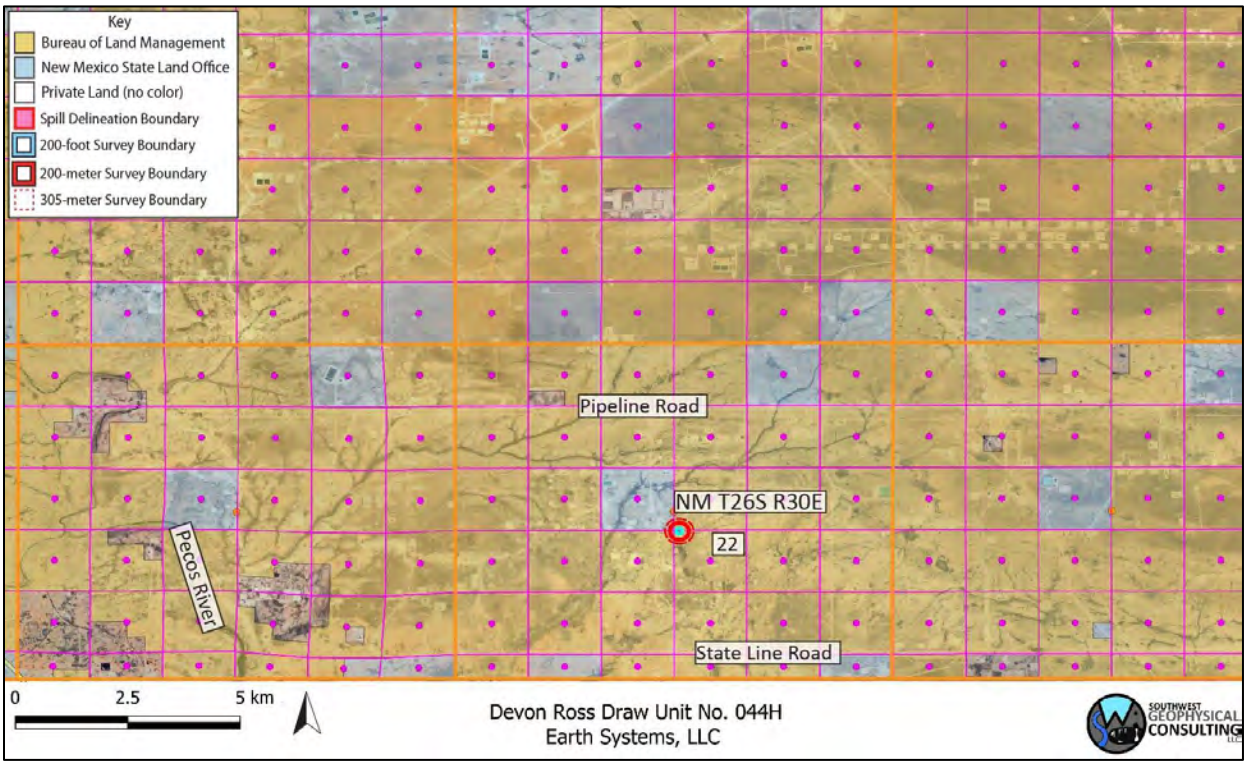

Figure 2: Land ownership and PLSS overview. Background image credit: Google Earth. Image date: March 20, 2023. Image datum: WGS-84.

2.2 Local Geology Summary

The site for the RD44 survey is located at an elevation of 939 meters (3,079 feet), ± 2 meters (6.6 feet). This region is entirely underlain by the Permian Rustler Formation (Pru). The area is mantled by thin gypsiferous soils (gypsite), Quaternary eolian deposits (Qe), and alluvium (Qal)[11] up to 5 meters in depth (**Figure 3**).

The Rustler Formation is an evaporite facies composed mainly of thin siltstones and sandstones interbedded with claystones, dolomite, and gypsum, and contains both karst-forming strata (the Forty-niner and Tamarisk members) and two shallow aquifers (the Magenta and Culebra Dolomite members)[12].

The Pru overlies the Permian Salado Formation (Psl – not shown in the below image), a layer of extremely soluble halite which can readily dissolve to create caves, sinkholes, and other karst features; however, due to its extremely soluble nature, only non-soluble silt and sand remain from the dissolution of this layer at the surface[12]. The Rustler Formation may be subject to collapse if a void has developed beneath it in the Salado Formation[13].

The survey area is covered by the easily accessible Geologic Map of New Mexico (2003) at 1:500,000 scale[14] and the Digital Geologic Map of New Mexico in ARC/INFO Format[11].

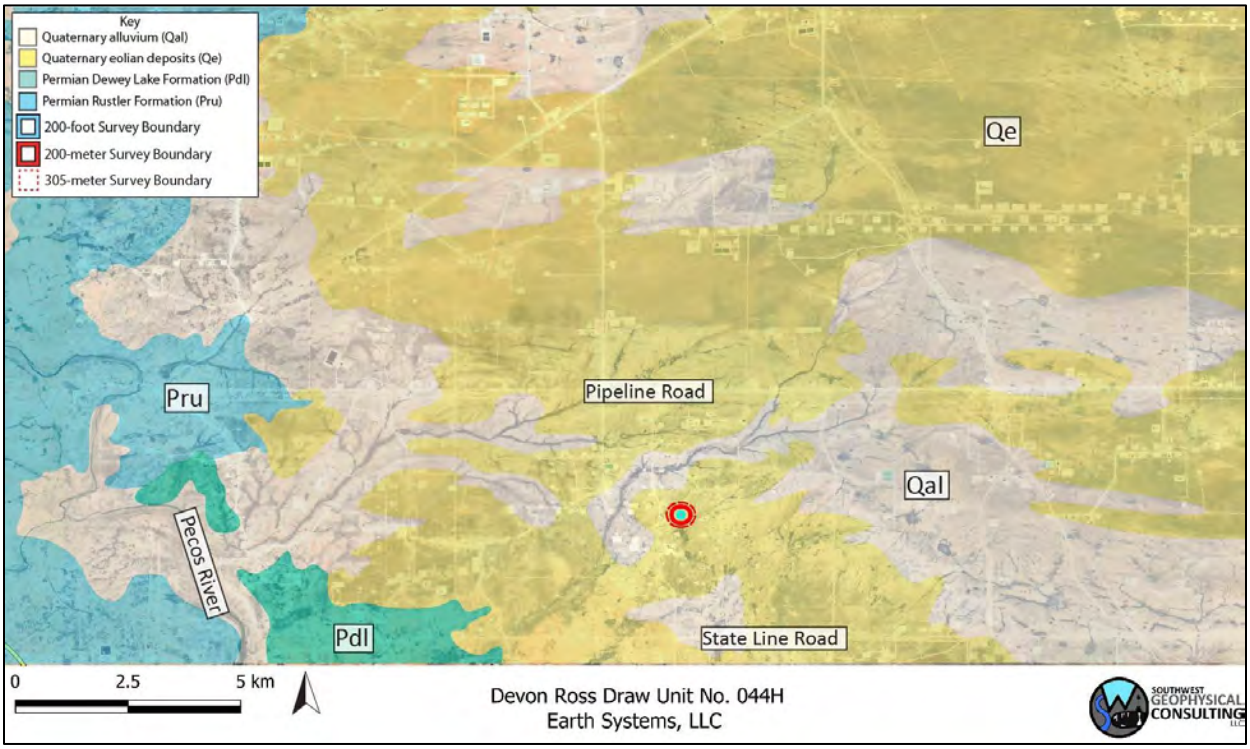

Figure 3: Geology overview. Geology map credit: The Digital Geologic Map of New Mexico in ARC/INFO Format. Background image credit: Google Earth. Image date: March 20, 2023. Image datum: WGS-84.

2.3 Description of Survey

2.3.1 Surface Karst Survey

Southwest Geophysical Consulting, in partnership with SWCA Environmental Consultants, provides surface karst surveys using small, uncrewed aerial systems (sUAS) that are flown by qualified, FAA licensed drone pilots and that meet the stringent Bureau of Land Management – Carlsbad Field Office requirements for both pedestrian and aerial karst surveys.

The surface karst survey includes a desk study prior to the flight which allows us to provide client feedback in the event of any previously known karst features in the area. The desk study is performed out to 305 meters (1,000 feet) from the spill delineation boundary per New Mexico Oil Conservation Division guidance [1] (**Figure 4**). The study was performed using satellite and aerial imagery from Google Earth Pro dated March 20, 2023 (please note features less than one meter in diameter are generally not visible using this method); the Southwest Geophysical Cave and Karst Database dated October 27, 2025[15]; the Ross Ranch, NM-TX, 1:24,000 quad, 1968, USGS topographic map; Phantom Banks, NM-TX, 1:24,000 quad, 1968, USGS; and the latest lidar imagery from CalTopo.com. Please note that we use older topographic maps because newer maps have had caves removed from them. These searches and queries returned no karst feature within the 305-meter survey boundary.

Surface karst surveys are conducted by sUAS at low elevation within 200 meters of the spill delineation boundary[4] (**Figure 4**) following a preplanned raster pattern flightpath designed for the purpose of generating at least 75% imagery overlap. The collected high-resolution, georeferenced imagery is stitched together to develop orthomosaic imagery which is further developed into a digital elevation model (DEM); the DEM is then processed into a local relief model (LRM) (**Figure 6**). This LRM is color coded to enhance differences in elevation of as little as five centimeters. The orthoimagery, DEM, and LRM are uploaded to a server where they are analyzed by an experienced karst geologist. Finally, the data is reviewed by a senior karst geologist for quality assurance and downloaded into a table for inclusion in a written report[16].

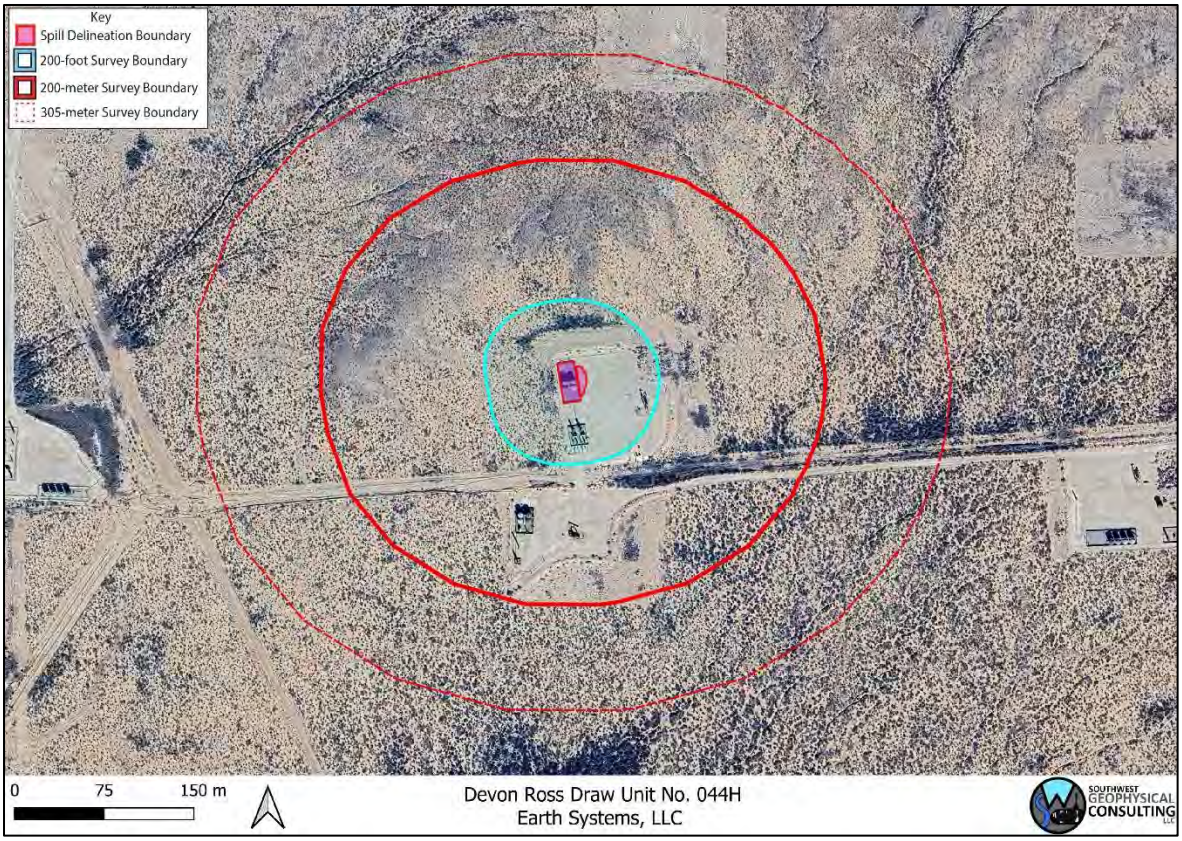

Figure 4: Surface survey overview. Background image credit: Google Earth. Image date: March 20, 2023. Datum: WGS-84.

The resolution of the orthoimagery is clear enough that features as small as 10 centimeters can be positively identified in most circumstances. Occasionally there are ambiguous features identified during an aerial survey that will need to be checked in the field if they are impacted by the proposed remediation efforts. Specifically, it is difficult to tell the difference between solution tubes, abandoned uncased well bores, and some burrows in drone imagery. If an ambiguous feature is located during imagery analysis, it is marked with a yellow dot in **Figure 6**. If a feature of any likelihood is subsequently verified in the field prior to publication of the report, the dot will be changed to a red triangle if confirmed as a karst feature or deleted if not.

The imagery for this study was collected via aerial survey by Pat Lagodney of SWCA on November 1, 2025. Surface karst features may have developed after this date and will not be noted in this report. Imagery analysis was completed by Dave Decker of Southwest Geophysical Consulting on November 5, 2025.

2.3.2 Geophysical Survey

For this survey, an Advanced Geosciences Inc. (AGI) SuperSting™ Wifi R8 with an 8-channel switchbox, a 42-electrode line of 40-centimeter-long (1.3 feet) stainless-steel electrodes, and a tablet controller were used to image the subsurface. The Spill Delineation Boundary provided by the client was used to plan the resistivity line and define the survey boundaries. The RD44 survey consisted of two resistivity lines in a dipole-dipole configuration laid out south to north (RD4401) and west to east (RD4402) at 4-meter electrode spacing, resulting in two 164-meter-long lines. (**Figure 5**, **Table 1**).

A preconfigured command file was used to run the data collection (DiDi42) which consisted of a dipole-dipole survey. This electrode configuration provided a depth of investigation of up to 38 meters (125 feet) in this location at a resolution of 2.0 to 2.5 meters (6.6 to 8.2 feet) near the surface. A Leica GS18 GPS was used to record electrode locations and elevations. On this survey, the estimated horizontal error mean was 7 cm (2.75 inches) and the estimated vertical error mean was 12 cm (4.7 inches).

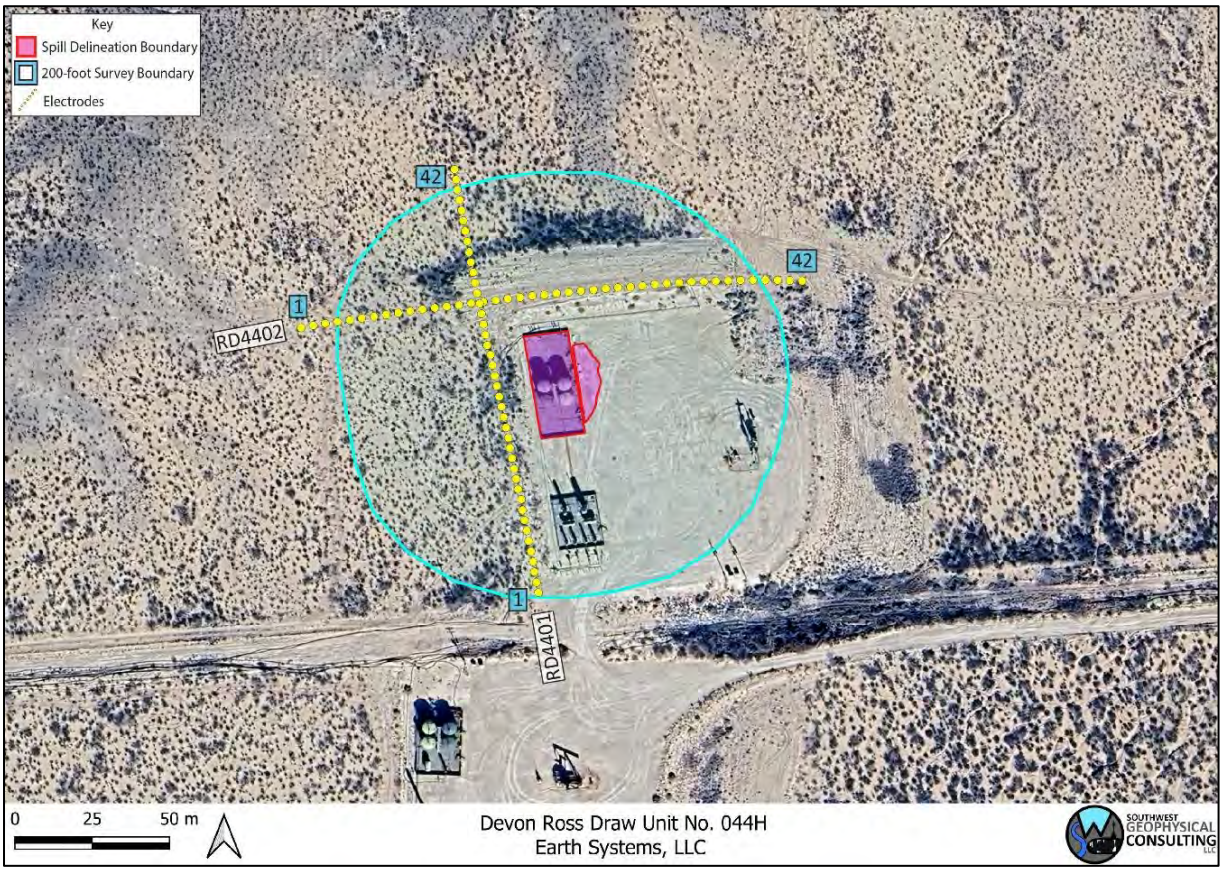

Figure 5: Geophysical survey overview. Both survey lines were conducted with 42 electrodes at 4-meter spacing (yellow dots denoted with blue numbers). Background image credit: Google Earth. Image date: March 20, 2023. Image datum: WGS-84.

Table 1 provides basic line data. Detailed information including electrode number, location in latitude/longitude (decimal degree format), and elevation in meters can be found in the accompanying data files.

Table 1: Survey Line Data Table. The .kmz file contains all the points for the survey line listed in the file name. These data are available in the accompanying files RD44_ERI_Points.xlsx and ESYS-003-20251028_RD44_Data_Files.kmz.

File Name:	Completed By:	Date:
RD4401.kmz	Steven Kesler – Field Geologist Britt Bommer – Field Geologist Aaron Beirl – Field Geologist	11/4/2025
RD4402.kmz		11/4/2025

EarthImager™ 2D software was used to download and process the data and to provide the model used to make our interpretations. The design of the survey and the orientation of each of the lines provides the information necessary to make the determination of "stable" or "unstable" ground at this site.

A typical starting model was used for the data processing due to the two-layer model of the geology in the area; specifically, generally high-resistivity gypsum and dolomite at the surface and low-resistivity saturated gypsum and dolomite bedrock at depth. The starting model used was "average apparent resistivity" and a default inversion setting of "surface," with a minimum apparent resistivity set to 0.1 Ohm-meters (Ohm-m or Ω-m) and a max apparent resistivity set to 100,000 Ω-m (**Table 2**).

Table 2: Software Information and Settings

Software Name:	EarthImager™ 2D
Version:	2.4.4.649
Starting Model:	Average Apparent Resistivity
Default Inversion Settings:	Surface
Changes to Default Inversion Settings:	Max Apparent Resistivity = 100 kΩ-m Min Apparent Resistivity = 0.1 Ω-m

Note: Raw data files (.dat files for EarthImager™ 2D) and processed data (.trn files, terrain files for surface correction in EarthImager™ 2D and .out files, the processed .dat files) are available upon request.

All field work, including setup, stow, and travel, was completed by Steven Kesler, Britt Bommer, and Aaron Beirl on November 4, 2025.

3.0 RESULTS

3.1 Surface Karst Survey

The desk study and surface karst survey showed no surface karst features located within the 200-meter (656-foot)[1] survey area surrounding the spill delineation boundary (**Figure 6**).

No springs exist within the 305-meter (1,000-foot)[1] survey boundary (**Figure 6**).

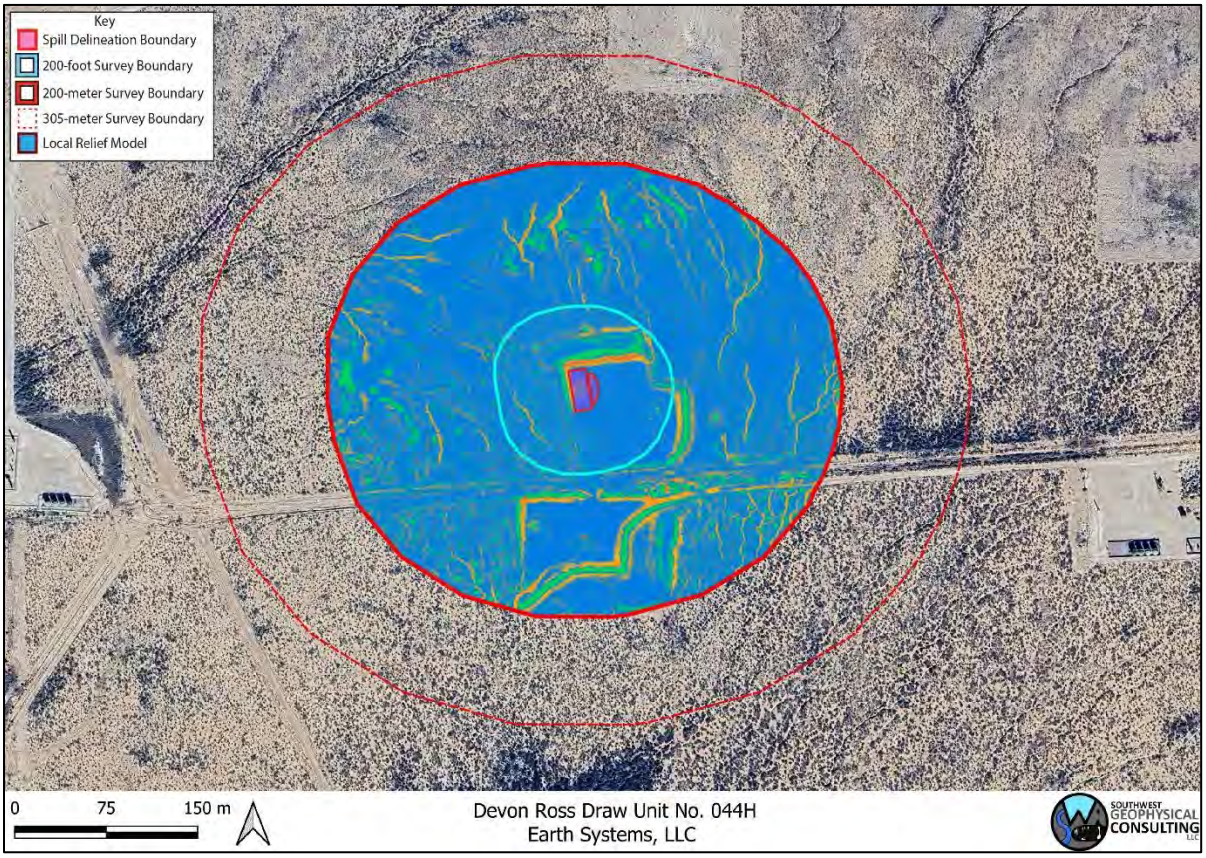

Figure 6: Surface karst survey results. Background image credit: Google Earth. Image date: March 20, 2023. Image datum: WGS-84.

Caution should be exercised while operating in or around all karst-related features due to the possibility of near-surface voids. Employing a BLM-CFO-approved karst monitor on site during these activities should be considered.

3.2 Geophysical Survey

Electrical resistivity tomography forms images of the subsurface by causing a current to flow through the rock and soil and then measuring the resistance of these materials as the current flows through them. This measurement is taken many times and the resulting data, once processed, is used to produce a model of the subsurface (**Figure 7**). This model is produced using "non-unique" solutions, which means that there are many models and interpretations which will satisfy the data. Using experience and knowledge of the local geology, a high-confidence model can be established and used to develop an accurate understanding of what lies below the surface. This survey was conducted with the express purpose of locating subsurface voids and does not purport to find paleokarst (old, non-active karst features that have been filled in with sand and sediment) or nascent karst features below the resolution limit of the survey.

The results of this study indicate a moderately well-layered geologic system with low resistivities between 15 and 1053 Ohm-m (**Figure 7**). Please keep in mind when viewing the 2D inverted resistivity sections that color maps can be widely different for each view. Always check the color map located on the right side of the image when viewing the 2D images to ensure you understand the range of resistivities presented. Distances along the top and depths along the left side are in meters. The color map along the right side is in Ohm-m. Due to the nature of the survey, shallower zones have higher resolution between electrodes than deeper zones; therefore, small features at depth will not be visible.

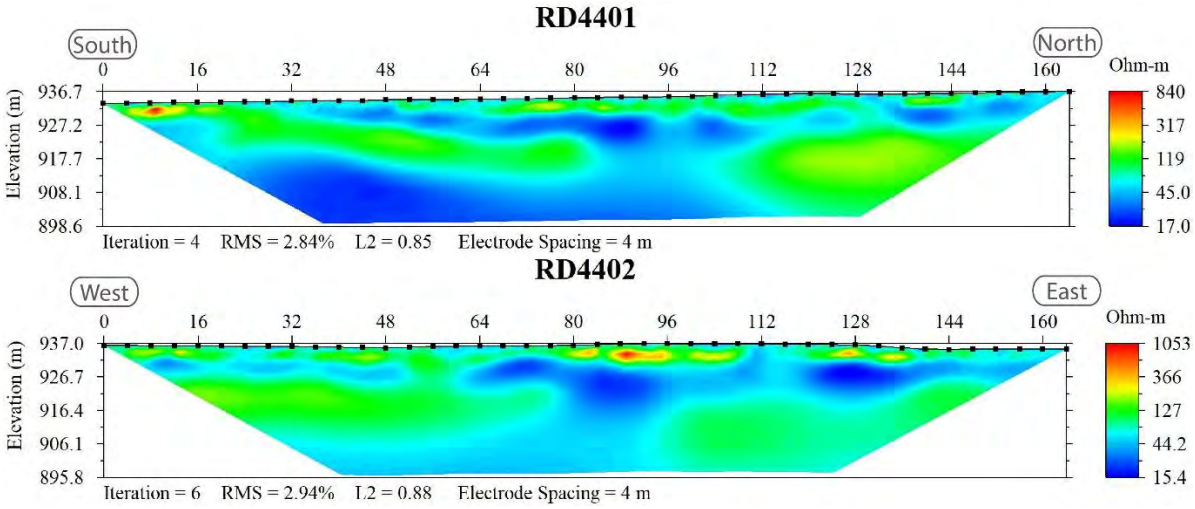

Figure 7: 2D inverted resistivity sections RD4401 and RD4402. Reds and oranges indicate higher resistivity values. Yellows and greens are medium-resistivity values. Blues are low-resistivity values. Please note that the color scale is relative.

4.0 DISCUSSION

No surface karst features exist within 200 meters of the spill delineation boundary.

No anomalies consistent with air-filled subsurface voids are found within the RD44 survey area. Small solutionally enlarged voids or fractures at or near the resolution limit of the survey (2.0 – 2.5 meters) may be present. Areas of high-resistivity (reds and oranges) near the surface are interpreted as dry gypsite soils and gypsum or dolomite bedrock of the Rustler Formation[17] (**Figure 7** and **Figure 8**). Low-resistivity areas between 15 – 20 Ohm-m may either represent fluid from the brine release, surface-to-subsurface hydrologic pathways, or a layer of either clays and halite lenses or moist or saturated layers within the Rustler Formation (**Figure 7**).

Please remember that these are interpretations made from knowledge of the local subsurface materials and experience. **They remain interpretations until verified by geotechnical methods.** Employing a BLM-CFO-approved karst monitor on site during any drilling and/or remediation activities that require excavation below four feet in depth should be considered.

Fracture sets within the subsurface can act as hydrologic pathways to the water table. Rapid dissolution of gypsum can occur along these pathways creating solution-enlarged fractures, and in some cases, voids within months to years. For this reason, this survey is valid only for this remediation event.

Within karst terrains like the project site, small air- or sediment-filled voids and/or brecciated zones and solutionally enlarged fractures that are below the resolution limit of the survey (2.5–3.0 meters) may exist; these may be encountered during excavation, and if so, should be evaluated by a karst specialist prior to continued work.

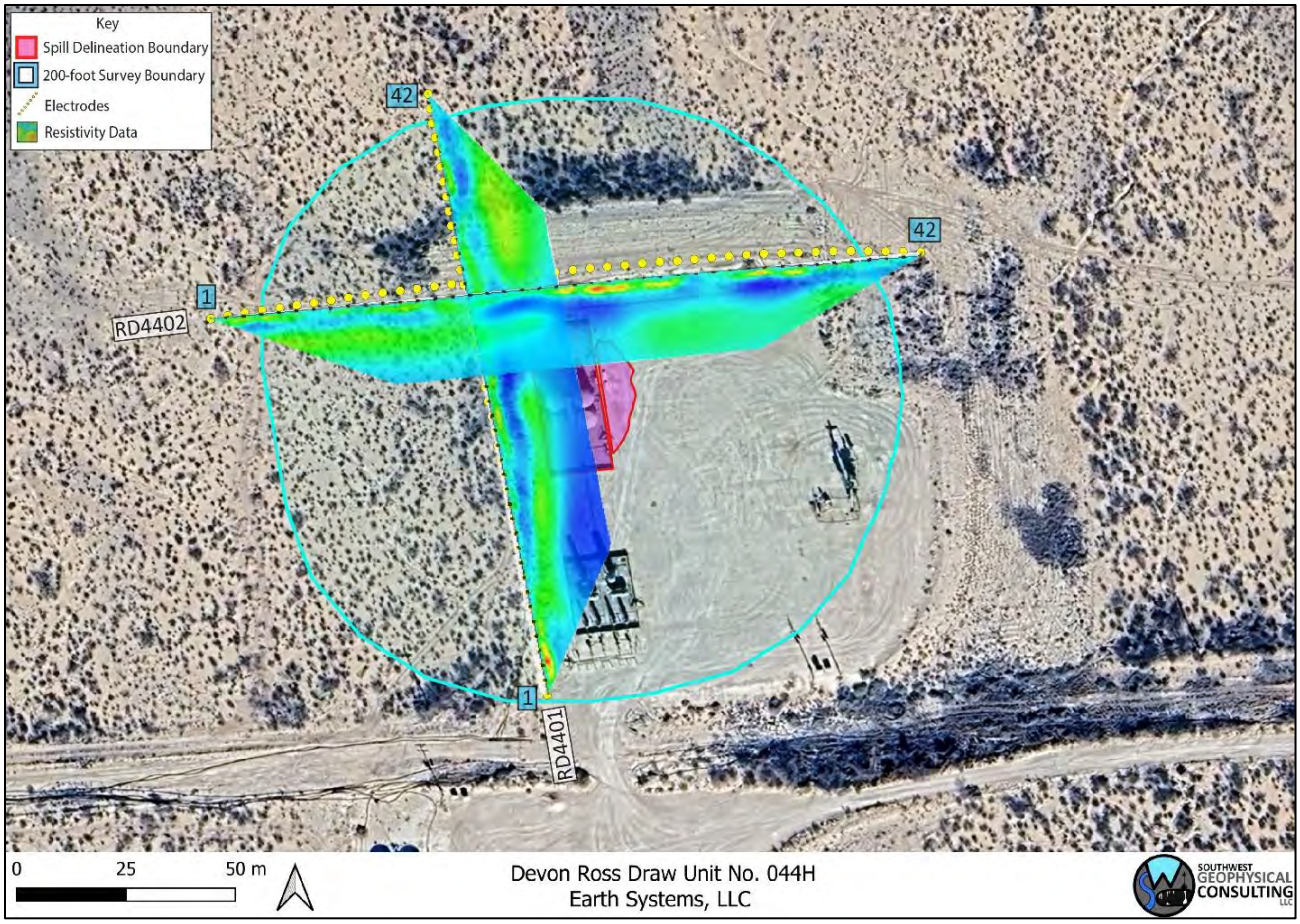

Figure 8: Data overlay. Colored trapezoids are the 2D inverted resistivity lines. Background image credit: Google Earth. Image date: March 20, 2023.

5.0 SUMMARY

- **The RD44 survey contains no surface karst features within 200 feet (61 meters) of the spill delineation boundary.**
- No surface karst feature exists within the 200-meter survey boundary and no springs are noted within the 305-meter survey boundary.
- **No shallow anomalies interpreted as large voids or related karst features that would present a danger to equipment operators are located within the geophysical survey area.**
- Intercepting a void during remediation is unlikely, but still possible. Small voids or solutionally enlarged fractures below the resolution limit of the survey may be encountered.
- **Moderately well-layered stratigraphy is interpreted to exist beneath the geophysical survey line, indicating stable ground in the area of the subsurface investigation.**
- When conducting any remediation activities in this area, employing a BLM-CFO approved karst monitor on site should be considered.

6.0 DISCLOSURE STATEMENT

Karst occurrence zones are prone to rapid karst formation and warrant careful planning and engineering to mitigate karst-forming processes that could be accelerated by removal of surface cover or the vibrations associated with heavy equipment used in the remediation process.

Mitigation measures for any karst features revealed during excavation shall be approved by the Bureau of Land Management – Carlsbad Field Office and follow the Natural Resources Conservation Service Conservation Practice Standard for Karst Sinkhole Treatment, Code 527, or the Bureau of Land Management Cave and Karst Management Handbook, H-8380-1.

Vigilance during remediation activities is paramount. If voids are encountered during excavation, contact the Bureau of Land Management Karst Division at (575) 234-5972, the New Mexico State Land Office Surface Resources Division at (505) 827-5768, or a BLM-CFO approved karst contractor and request an on-site investigation from a karst expert if one is not already on site. A karst consultant can generally be available in Eddy County within five hours.

Approved karst monitors should have karst feature identification training, at least two years of supervised experience identifying karst features, wilderness first aid training, SRT training, confined space training, gas monitor training, and a minimum of SPAR cave rescue training through NCRC. They should have with them the proper gear and be prepared both physically and mentally to enter a collapse feature within minutes to perform a rescue if needed. Monitoring services with qualified karst monitors, as well as cave surveys and geophysical surveys, are available from Southwest Geophysical Consulting.

Under no circumstances should an untrained, inexperienced person enter a cave, pit, sinkhole, or collapse feature. All field employees of Southwest Geophysical Consulting have extensive caving experience and the ability to determine whether entry into a karst feature is safe or presents a hazard. In the event it is necessary to enter a karst feature, Southwest Geophysical Consulting can provide these services on request.

Cave and karst resource inventory reports, karst feature investigations, and geophysical reports (along with the associated data files) commissioned at the request of the land manager should be submitted to BLM-CFO at blm_nm_karst@blm.gov.

Cave and karst resource inventory reports for the NMSLO should be submitted to the respective project manager.

Environmental karst reports should be submitted to the appropriate project manager at the New Mexico Oil Conservation Division.

7.0 REFERENCES

1 Division, O. C. *Title 19, Chapter 15, Part 29* (Oil Conservation Division, 2018).

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16 Whitehead, W., Bandy, M. & Decker, D. Protocol for Using UAV Photography for Rapid Assessment of Karst Features in Southeast New Mexico. *Proceedings of the 2022 Cave and Karst Management Symposium* (2022).

17 Hill, C. A. *Geology of the Delaware Basin, Guadalupe, Apache and Glass Mountains, New Mexico and West Texas*. Vol. 96-39 (Permian Basin Section - SEPM, 1996).

8.0 GLOSSARY OF TERMS

AGI	Advanced Geosciences Inc.
BLM-CFO	Bureau of Land Management - Carlsbad Field Office
brecciated	Fractured rock caused by faulting or collapse.
caprock-collapse sinkhole	Collapse of roof-spanning rock into a cave or void.
cave	Natural opening at the surface large enough for a person to enter.
cover-collapse sinkhole	Collapse of roof-spanning soil or clay ground cover into a subsurface void.
ERI	Electrical Resistivity Imaging
GPS	Global Positioning System
grike	A solutionally enlarged, vertical, or sub-vertical joint or fracture.
(H)	High confidence modifier for a PKF. This is typically reserved for a feature that is definitely karst but has not been confirmed in the field.
HKOZ	High Karst Occurrence Zone
karst	A landscape containing solutional features such as caves, sinkholes, swallets, and springs.
(L)	Low confidence modifier for a PKF. This is typically a feature that cannot be ruled out as karst but is most likely NOT karst related. This modifier may also be used for pseudokarst features.
(M)	Medium confidence modifier for PKF. This is an ambiguous feature that can't be positively identified as karst without a field visit (e.g., burrows, abandoned unlined wells, solution tubes, pseudokarst).
MKOZ	Medium Karst Occurrence Zone
NCRC	National Cave Rescue Commission
NKF	Non-karst feature. Used for features originally identified as PKF that have been subsequently identified in the field as non-karst related. This term may also be used for pseudokarst features.
NMSLO	New Mexico State Land Office
Ohm-m	Ohm-meter, a unit of measurement for resistivity. Sometimes abbreviated Ω-m.
paleokarst	Previously formed karst features that have been filled in by erosion and/or deposition of minerals.
Pat	Permian Artesia Group
Pc	Permian Capitan Formation
Pcs	Permian Castile Formation
Pdl	Permian Dewey Lake Formation
PKF	Possible karst feature. This term is reserved for features identified in satellite or aerial imagery that have NOT been visited in the

	field. Further modifiers include (H) for high confidence, (M) for medium confidence, and (L) for low confidence. These confidence levels are based on field experience.
PLSS	Public Land Survey System
Pqg	Permian Queen/Greyburg Formation
Pru	Permian Rustler Formation
pseudokarst	Karst-like features (sinkholes, conduits, voids etc.) that are not formed by dissolution. These types of features include soil piping, lava tubes, and some cover-collapse and suffosion sinkholes.
Psl	Permian Salado Formation
Psr	Permian Seven Rivers Formation
Pt	Permian Tansill Formation
Py	Permian Yates Formation
Qal	Quaternary alluvium
Qe	Quaternary eolian deposits
Qp	Quaternary piedmont deposits
Qpl	Quaternary playa lake deposits
RKF	Recognized karst feature. This term is reserved for karst features that have been physically verified in the field.
SPAR	Small Party Assisted Rescue
sUAS	Small, uncrewed aerial system
suffosion sinkhole	Raveling of soil into a pre-existing void or fracture.
swallet	A natural opening in the surface, too small for a person, that drains water to an aquifer. Some are "open," meaning a void can be seen below; some are "closed, "meaning they are full of sediment.
SWG	Southwest Geophysical Consulting, LLC
UTM	Universal Transverse Mercator (projected coordinates)
(V)	Field verified modifier for a RKF. This indicates that the feature has been visited by a qualified karst professional in the field and fully identified
WGS	World Geodetic System (geographic coordinates)

9.0 ATTESTATION

David D. Decker, PhD, PG, CPG
Chief Executive Officer, Principal Geologist
Southwest Geophysical Consulting, LLC
5117 Fairfax Dr. NW
Albuquerque, NM 87114
dave@swgeophys.com
(505) 585-2550

CERTIFICATE OF AUTHOR

I, David D. Decker, a Licensed Professional Geologist and a Certified Professional Geologist, do certify that:

- I am currently employed as a consulting geologist in the specialty of caves and karst with an office address of 5117 Fairfax Dr. NW, Albuquerque, NM, USA, 87114.
- I graduated with a Master of Science in Applied Physics with a specialization in Sensor Systems from the Naval Post Graduate School in Monterey, California, in 2003, and a Doctor of Philosophy in Earth and Planetary Sciences from the University of New Mexico, Albuquerque, New Mexico, in 2018.
- I am a Licensed Professional Geologist in the State of Texas, USA (PG-15242) and have been since 2021. I am a Certified Professional Geologist through the American Institute of Professional Geologists (CPG-12123) and have been since 2021.
- I have been employed as a geologist continuously since 2016. I was previously employed as a Fire Controlman, Naval Flight Officer, and Aerospace Engineering Duty Officer in the U.S. Navy and operated, maintained, and installed various sensor systems including magnetic, electromagnetic, radar, communications, and acoustic systems in various capacities from 1986 through 2010.
- I have been involved in various aspects of cave and karst studies continuously since 1985, including exploration, mapping, and scientific studies.
- I have read the definition of “qualified karst professional” set out in the ASTM Standard Practice for Preliminary Karst Terrain Assessment for Site Development (ASTM E-1527). I meet the definition of “qualified professional” for the purposes of this standard.
- I am responsible for the content, compilation, and editing of all sections of report number ESYS-003-20251028 entitled, “Environmental Karst Study Report, Devon Ross Draw Unit No. 044H, Eddy County, New Mexico.” I or a duly authorized and qualified representative of Southwest Geophysical Consulting, LLC, have personally visited this site and/or reviewed the aerial imagery on the date or dates mentioned in section ***2.3 Description of Survey***.

- I have no prior involvement nor monetary interest in the described property or project, save for my fee for conducting this investigation and providing the report.

Dated in Albuquerque, New Mexico, November 12, 2025.

David D. Decker
PhD, CPG-12123

HRL COMPLIANCE SOLUTIONS

BORING LOG/MONITORING WELL COMPLETION DIAGRAM

Boring/Well Number: MW-1		Location: Ross Draw Unit #38	
Date: 12/8/2020		Client: WPX Energy	
Drilling Method: Air Rotary	Sampling Method: None	Logged By: J. Linn, PG	Drilled By: Talon LPE
Gravel Pack Type: 10/20 Sand	Gravel Pack Depth Interval: 3 Bags	Seal Type: None / Seal Depth Interval: None	Latitude: 32.030300
Casing Type: PVC / Diameter: 2-inch / Depth Interval: 0-100 feet bgs		Boring Total Depth (ft. BGS): 105	Longitude: -103.871338
Screen Type: PVC / Slot: 0.010-inch / Diameter: 2-inch / Depth Interval: 100-105 ft		Well Total Depth (ft. BGS): 105	Depth to Water (ft. BTOC): > 105 / DTW Date: 12/16/2020

Depth Interval (ft)	Recovery (ft)	Plasticity	Moisture	Odor	Staining	PID (ppm)	USCS	Sample ID	Lithology/Remarks
0	NM	L	D	N	N	NM	SW	NS	Pale orange/pale pink to buff colored fine sand with minor medium and coarse sand
5									
10									
15									
20	NM	L	D	N	N	NM	SP	NS	Pale orange/pale pink poorly graded fine sand
25									
30									
35	NM	L	D	N	N	NM	SP	NS	Tan/pale brown/pale orange poorly graded fine sand
40									
45									
50									
55									
60									
65									
70	NM	L	D	N	N	NM	SP	NS	Brick red brown poorly graded fine sand
75									
80									
85									
90									
95									
100	NM	L	D	N	N	NM	SP	NS	Tan/pale brown/pale orange poorly graded fine sand - TD 105' BGS

Well Completion

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 552629

QUESTIONS

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 552629
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2508325453**
Incident Name	**NAPP2508325453 ROSS DRAW UNIT #044H @ 30-015-41580**
Incident Type	**Oil Release**
Incident Status	**Remediation Plan Approved**
Incident Well	**[30-015-41580] ROSS DRAW UNIT #044H**

Location of Release Source	
Site Name	**ROSS DRAW UNIT #044H**
Date Release Discovered	**03/20/2025**
Surface Owner	**Federal**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	4,097
What is the estimated number of samples that will be gathered	25
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	02/13/2026
Time sampling will commence	08:00 AM
Please provide any information necessary for observers to contact samplers	Gilbert Moreno (832) 541-7719
Please provide any information necessary for navigation to sampling site	32.034744, -103.875862

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: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 552629
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
jraley	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	2/11/2026
jraley	If confirmation sampling is going to take place over multiple days, individual C-141N applications must be submitted for each sampling date. Date ranges are not currently accepted on the C-141N application.	2/11/2026

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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 2/20/2026 12:54:28 PM

JOB DESCRIPTION

Ross Draw Unit #44H
Eddy County, NM

JOB NUMBER

890-9512-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

See page two for job notes and contact information.

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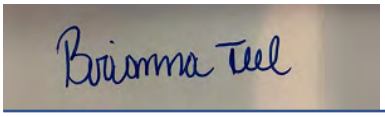
Eurofins Carlsbad

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: Ross Draw Unit #44H

Laboratory Job ID: 890-9512-1
SDG: Eddy County, NM

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Definitions/Glossary

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit #44H

Job ID: 890-9512-1
SDG: Eddy County, NM

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

Qualifier	Qualifier Description
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: 890-9512-1
Project: Ross Draw Unit #44H

Job ID: 890-9512-1 Eurofins Carlsbad

Job Narrative
890-9512-1

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 2/13/2026 3:36 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 4.0°C.

Receipt Exceptions
The following samples were received and analyzed from an unpreserved bulk soil jar: NSW - 1 0-0.25 (890-9512-1), ESW - 1 0-0.25 (890-9512-2), SSW - 1 0-0.25 (890-9512-3) and WSW - 1 0-0.25 (890-9512-4).

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

Diesel Range Organics
Method 8015B NM: The continuing calibration verification (CCV) associated with batch 880-132359 recovered above the upper control limit for Gasoline Range Organics (GRO)-C6-C10. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is:(CCV 880-132359/166).

Method 8015B NM: The surrogate recovery for the blank associated with preparation batch 880-131853 and analytical batch 880-132359 was outside the upper control limits.

Method 8015B NM: Surrogate recovery for the following sample was outside control limits: (LCSD 880-131853/3-A). Evidence of matrix interferences is not obvious.

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

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: Ross Draw Unit #44H

Job ID: 890-9512-1
SDG: Eddy County, NM

Client Sample ID: NSW - 1 0-0.25

Lab Sample ID: 890-9512-1
Matrix: Solid
Date Collected: 02/13/26 12:30
Date Received: 02/13/26 15:36
Sample Depth: 0-0.25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		02/18/26 12:54	02/19/26 23:25	1
Toluene	<0.00201	U	0.00201		mg/Kg		02/18/26 12:54	02/19/26 23:25	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		02/18/26 12:54	02/19/26 23:25	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		02/18/26 12:54	02/19/26 23:25	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		02/18/26 12:54	02/19/26 23:25	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		02/18/26 12:54	02/19/26 23:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*	*02/18/26 12:54*	*02/19/26 23:25*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*02/18/26 12:54*	*02/19/26 23:25*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			02/19/26 23:25	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			02/20/26 03:15	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		02/15/26 19:23	02/20/26 03:15	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/15/26 19:23	02/20/26 03:15	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/15/26 19:23	02/20/26 03:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*112*		*70 - 130*	*02/15/26 19:23*	*02/20/26 03:15*	*1*
o-Terphenyl	*107*		*70 - 130*	*02/15/26 19:23*	*02/20/26 03:15*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**43.5**		9.98		mg/Kg			02/17/26 17:14	1

Client Sample ID: ESW - 1 0-0.25

Lab Sample ID: 890-9512-2
Matrix: Solid
Date Collected: 02/13/26 12:35
Date Received: 02/13/26 15:36
Sample Depth: 0-0.25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		02/18/26 12:54	02/19/26 23:45	1
Toluene	<0.00202	U	0.00202		mg/Kg		02/18/26 12:54	02/19/26 23:45	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		02/18/26 12:54	02/19/26 23:45	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		02/18/26 12:54	02/19/26 23:45	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		02/18/26 12:54	02/19/26 23:45	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		02/18/26 12:54	02/19/26 23:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*	*02/18/26 12:54*	*02/19/26 23:45*	*1*

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit #44H

Job ID: 890-9512-1
SDG: Eddy County, NM

Client Sample ID: ESW - 1 0-0.25

Lab Sample ID: 890-9512-2
Matrix: Solid
Date Collected: 02/13/26 12:35
Date Received: 02/13/26 15:36
Sample Depth: 0-0.25

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*02/18/26 12:54*	*02/19/26 23:45*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			02/19/26 23:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			02/20/26 03:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		02/15/26 19:23	02/20/26 03:30	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		02/15/26 19:23	02/20/26 03:30	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		02/15/26 19:23	02/20/26 03:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	*113*		*70 - 130*	*02/15/26 19:23*	*02/20/26 03:30*	*1*
o-Terphenyl	*109*		*70 - 130*	*02/15/26 19:23*	*02/20/26 03:30*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**52.3**		9.94		mg/Kg			02/17/26 17:19	1

Client Sample ID: SSW - 1 0-0.25

Lab Sample ID: 890-9512-3
Matrix: Solid
Date Collected: 02/13/26 12:40
Date Received: 02/13/26 15:36
Sample Depth: 0-0.25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		02/18/26 12:54	02/20/26 00:06	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/18/26 12:54	02/20/26 00:06	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/18/26 12:54	02/20/26 00:06	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/18/26 12:54	02/20/26 00:06	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/18/26 12:54	02/20/26 00:06	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/18/26 12:54	02/20/26 00:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*	*02/18/26 12:54*	*02/20/26 00:06*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*02/18/26 12:54*	*02/20/26 00:06*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			02/20/26 00:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			02/20/26 03:45	1

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit #44H

Job ID: 890-9512-1
SDG: Eddy County, NM

Client Sample ID: SSW - 1 0-0.25

Lab Sample ID: 890-9512-3
Matrix: Solid
Date Collected: 02/13/26 12:40
Date Received: 02/13/26 15:36
Sample Depth: 0-0.25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/15/26 19:23	02/20/26 03:45	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/15/26 19:23	02/20/26 03:45	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/15/26 19:23	02/20/26 03:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*118*		*70 - 130*	*02/15/26 19:23*	*02/20/26 03:45*	*1*
o-Terphenyl	*118*		*70 - 130*	*02/15/26 19:23*	*02/20/26 03:45*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**63.2**		9.92		mg/Kg			02/17/26 17:24	1

Client Sample ID: WSW - 1 0-0.25

Lab Sample ID: 890-9512-4
Matrix: Solid
Date Collected: 02/13/26 12:45
Date Received: 02/13/26 15:36
Sample Depth: 0-0.25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		02/18/26 12:54	02/20/26 00:26	1
Toluene	<0.00198	U	0.00198		mg/Kg		02/18/26 12:54	02/20/26 00:26	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		02/18/26 12:54	02/20/26 00:26	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		02/18/26 12:54	02/20/26 00:26	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		02/18/26 12:54	02/20/26 00:26	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		02/18/26 12:54	02/20/26 00:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*	*02/18/26 12:54*	*02/20/26 00:26*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*02/18/26 12:54*	*02/20/26 00:26*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			02/20/26 00:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.2	U	50.2		mg/Kg			02/20/26 04:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.2	U	50.2		mg/Kg		02/15/26 19:23	02/20/26 04:00	1
Diesel Range Organics (Over C10-C28)	<50.2	U	50.2		mg/Kg		02/15/26 19:23	02/20/26 04:00	1
Oil Range Organics (Over C28-C36)	<50.2	U	50.2		mg/Kg		02/15/26 19:23	02/20/26 04:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*107*		*70 - 130*	*02/15/26 19:23*	*02/20/26 04:00*	*1*
o-Terphenyl	*106*		*70 - 130*	*02/15/26 19:23*	*02/20/26 04:00*	*1*

Client Sample Results

Client: Earth Systems Response and Restoration
Job ID: 890-9512-1
Project/Site: Ross Draw Unit #44H
SDG: Eddy County, NM

Client Sample ID: WSW - 1 0-0.25

Lab Sample ID: 890-9512-4
Date Collected: 02/13/26 12:45
Matrix: Solid
Date Received: 02/13/26 15:36
Sample Depth: 0-0.25

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	36.2		9.90		mg/Kg			02/17/26 17:29	1

Surrogate Summary

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit #44H

Job ID: 890-9512-1
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)
890-9512-1	NSW - 1 0-0.25	101	94
890-9512-2	ESW - 1 0-0.25	103	98
890-9512-3	SSW - 1 0-0.25	103	95
890-9512-4	WSW - 1 0-0.25	104	96
LCS 880-132239/1-A	Lab Control Sample	99	96
LCSD 880-132239/2-A	Lab Control Sample Dup	102	98
MB 880-132204/5-A	Method Blank	108	93
MB 880-132239/5-A	Method Blank	111	89

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)
890-9512-1	NSW - 1 0-0.25	112	107
890-9512-2	ESW - 1 0-0.25	113	109
890-9512-3	SSW - 1 0-0.25	118	118
890-9512-4	WSW - 1 0-0.25	107	106
LCS 880-131853/2-A	Lab Control Sample	118	127
LCSD 880-131853/3-A	Lab Control Sample Dup	124	135 S1+
MB 880-131853/1-A	Method Blank	149 S1+	161 S1+

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit #44H

Job ID: 890-9512-1
SDG: Eddy County, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-132204/5-A
Matrix: Solid
Analysis Batch: 132319

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 132204

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/18/26 10:27	02/19/26 10:03	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/18/26 10:27	02/19/26 10:03	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/18/26 10:27	02/19/26 10:03	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		02/18/26 10:27	02/19/26 10:03	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/18/26 10:27	02/19/26 10:03	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/18/26 10:27	02/19/26 10:03	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*	*02/18/26 10:27*	*02/19/26 10:03*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*02/18/26 10:27*	*02/19/26 10:03*	*1*

Lab Sample ID: MB 880-132239/5-A
Matrix: Solid
Analysis Batch: 132319

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 132239

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/18/26 12:54	02/19/26 21:00	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/18/26 12:54	02/19/26 21:00	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/18/26 12:54	02/19/26 21:00	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		02/18/26 12:54	02/19/26 21:00	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/18/26 12:54	02/19/26 21:00	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/18/26 12:54	02/19/26 21:00	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*	*02/18/26 12:54*	*02/19/26 21:00*	*1*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*	*02/18/26 12:54*	*02/19/26 21:00*	*1*

Lab Sample ID: LCS 880-132239/1-A
Matrix: Solid
Analysis Batch: 132319

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 132239

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.08705		mg/Kg		87	70 - 130
Toluene	0.100	0.09743		mg/Kg		97	70 - 130
Ethylbenzene	0.100	0.08771		mg/Kg		88	70 - 130
m-Xylene & p-Xylene	0.200	0.1815		mg/Kg		91	70 - 130
o-Xylene	0.100	0.08962		mg/Kg		90	70 - 130

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

Lab Sample ID: LCSD 880-132239/2-A
Matrix: Solid
Analysis Batch: 132319

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 132239

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09067		mg/Kg		91	70 - 130	4	35

Eurofins Carlsbad

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit #44H

Job ID: 890-9512-1
SDG: Eddy County, NM

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

Lab Sample ID: LCSD 880-132239/2-A
Matrix: Solid
Analysis Batch: 132319

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 132239

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toluene			0.100	0.09959		mg/Kg		100	70 - 130	2	35
Ethylbenzene			0.100	0.08869		mg/Kg		89	70 - 130	1	35
m-Xylene & p-Xylene			0.200	0.1829		mg/Kg		91	70 - 130	1	35
o-Xylene			0.100	0.09007		mg/Kg		90	70 - 130	1	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*

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

Lab Sample ID: MB 880-131853/1-A
Matrix: Solid
Analysis Batch: 132359

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 131853

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		02/15/26 19:23	02/20/26 01:00	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/15/26 19:23	02/20/26 01:00	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/15/26 19:23	02/20/26 01:00	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*149*	*S1+*	*70 - 130*	*02/15/26 19:23*	*02/20/26 01:00*	*1*
o-Terphenyl	*161*	*S1+*	*70 - 130*	*02/15/26 19:23*	*02/20/26 01:00*	*1*

Lab Sample ID: LCS 880-131853/2-A
Matrix: Solid
Analysis Batch: 132359

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 131853

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10			1000	1148		mg/Kg		115	70 - 130
Diesel Range Organics (Over C10-C28)			1000	1001		mg/Kg		100	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*118*		*70 - 130*
o-Terphenyl	*127*		*70 - 130*

Lab Sample ID: LCSD 880-131853/3-A
Matrix: Solid
Analysis Batch: 132359

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 131853

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1155		mg/Kg		116	70 - 130	1	20
Diesel Range Organics (Over C10-C28)			1000	1053		mg/Kg		105	70 - 130	5	20

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit #44H

Job ID: 890-9512-1
SDG: Eddy County, NM

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

Lab Sample ID: LCSD 880-131853/3-A
Matrix: Solid
Analysis Batch: 132359

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 131853

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*124*		*70 - 130*
o-Terphenyl	*135*	*S1+*	*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-132112/1-A
Matrix: Solid
Analysis Batch: 132125

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			02/17/26 16:06	1

Lab Sample ID: LCS 880-132112/2-A
Matrix: Solid
Analysis Batch: 132125

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	227.3		mg/Kg		91	90 - 110		

Lab Sample ID: LCSD 880-132112/3-A
Matrix: Solid
Analysis Batch: 132125

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	226.9		mg/Kg		91	90 - 110	0	20

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit #44H

Job ID: 890-9512-1
SDG: Eddy County, NM

GC VOA

Prep Batch: 132204

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-132204/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 132239

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9512-1	NSW - 1 0-0.25	Total/NA	Solid	5035	
890-9512-2	ESW - 1 0-0.25	Total/NA	Solid	5035	
890-9512-3	SSW - 1 0-0.25	Total/NA	Solid	5035	
890-9512-4	WSW - 1 0-0.25	Total/NA	Solid	5035	
MB 880-132239/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-132239/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-132239/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 132319

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9512-1	NSW - 1 0-0.25	Total/NA	Solid	8021B	132239
890-9512-2	ESW - 1 0-0.25	Total/NA	Solid	8021B	132239
890-9512-3	SSW - 1 0-0.25	Total/NA	Solid	8021B	132239
890-9512-4	WSW - 1 0-0.25	Total/NA	Solid	8021B	132239
MB 880-132204/5-A	Method Blank	Total/NA	Solid	8021B	132204
MB 880-132239/5-A	Method Blank	Total/NA	Solid	8021B	132239
LCS 880-132239/1-A	Lab Control Sample	Total/NA	Solid	8021B	132239
LCSD 880-132239/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	132239

Analysis Batch: 132538

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9512-1	NSW - 1 0-0.25	Total/NA	Solid	Total BTEX	
890-9512-2	ESW - 1 0-0.25	Total/NA	Solid	Total BTEX	
890-9512-3	SSW - 1 0-0.25	Total/NA	Solid	Total BTEX	
890-9512-4	WSW - 1 0-0.25	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 131853

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9512-1	NSW - 1 0-0.25	Total/NA	Solid	8015NM Prep	
890-9512-2	ESW - 1 0-0.25	Total/NA	Solid	8015NM Prep	
890-9512-3	SSW - 1 0-0.25	Total/NA	Solid	8015NM Prep	
890-9512-4	WSW - 1 0-0.25	Total/NA	Solid	8015NM Prep	
MB 880-131853/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-131853/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-131853/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 132359

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9512-1	NSW - 1 0-0.25	Total/NA	Solid	8015B NM	131853
890-9512-2	ESW - 1 0-0.25	Total/NA	Solid	8015B NM	131853
890-9512-3	SSW - 1 0-0.25	Total/NA	Solid	8015B NM	131853
890-9512-4	WSW - 1 0-0.25	Total/NA	Solid	8015B NM	131853
MB 880-131853/1-A	Method Blank	Total/NA	Solid	8015B NM	131853
LCS 880-131853/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	131853
LCSD 880-131853/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	131853

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit #44H

Job ID: 890-9512-1
SDG: Eddy County, NM

GC Semi VOA

Analysis Batch: 132492

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9512-1	NSW - 1 0-0.25	Total/NA	Solid	8015 NM	
890-9512-2	ESW - 1 0-0.25	Total/NA	Solid	8015 NM	
890-9512-3	SSW - 1 0-0.25	Total/NA	Solid	8015 NM	
890-9512-4	WSW - 1 0-0.25	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 132112

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9512-1	NSW - 1 0-0.25	Soluble	Solid	DI Leach	
890-9512-2	ESW - 1 0-0.25	Soluble	Solid	DI Leach	
890-9512-3	SSW - 1 0-0.25	Soluble	Solid	DI Leach	
890-9512-4	WSW - 1 0-0.25	Soluble	Solid	DI Leach	
MB 880-132112/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-132112/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-132112/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Analysis Batch: 132125

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9512-1	NSW - 1 0-0.25	Soluble	Solid	300.0	132112
890-9512-2	ESW - 1 0-0.25	Soluble	Solid	300.0	132112
890-9512-3	SSW - 1 0-0.25	Soluble	Solid	300.0	132112
890-9512-4	WSW - 1 0-0.25	Soluble	Solid	300.0	132112
MB 880-132112/1-A	Method Blank	Soluble	Solid	300.0	132112
LCS 880-132112/2-A	Lab Control Sample	Soluble	Solid	300.0	132112
LCSD 880-132112/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	132112

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit #44H

Job ID: 890-9512-1
SDG: Eddy County, NM

Client Sample ID: NSW - 1 0-0.25

Lab Sample ID: 890-9512-1
Matrix: Solid
Date Collected: 02/13/26 12:30
Date Received: 02/13/26 15:36

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	132239	02/18/26 12:54	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	132319	02/19/26 23:25	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			132538	02/19/26 23:25	AJ	EET MID
Total/NA	Analysis	8015 NM		1			132492	02/20/26 03:15	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	131853	02/15/26 19:23	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	132359	02/20/26 03:15	SA	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	132112	02/17/26 12:58	SA	EET MID
Soluble	Analysis	300.0		1			132125	02/17/26 17:14	CS	EET MID

Client Sample ID: ESW - 1 0-0.25

Lab Sample ID: 890-9512-2
Matrix: Solid
Date Collected: 02/13/26 12:35
Date Received: 02/13/26 15:36

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	132239	02/18/26 12:54	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	132319	02/19/26 23:45	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			132538	02/19/26 23:45	AJ	EET MID
Total/NA	Analysis	8015 NM		1			132492	02/20/26 03:30	SA	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10.00 mL	131853	02/15/26 19:23	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	132359	02/20/26 03:30	SA	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	132112	02/17/26 12:58	SA	EET MID
Soluble	Analysis	300.0		1			132125	02/17/26 17:19	CS	EET MID

Client Sample ID: SSW - 1 0-0.25

Lab Sample ID: 890-9512-3
Matrix: Solid
Date Collected: 02/13/26 12:40
Date Received: 02/13/26 15:36

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	132239	02/18/26 12:54	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	132319	02/20/26 00:06	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			132538	02/20/26 00:06	AJ	EET MID
Total/NA	Analysis	8015 NM		1			132492	02/20/26 03:45	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	131853	02/15/26 19:23	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	132359	02/20/26 03:45	SA	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	132112	02/17/26 12:58	SA	EET MID
Soluble	Analysis	300.0		1			132125	02/17/26 17:24	CS	EET MID

Client Sample ID: WSW - 1 0-0.25

Lab Sample ID: 890-9512-4
Matrix: Solid
Date Collected: 02/13/26 12:45
Date Received: 02/13/26 15:36

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	132239	02/18/26 12:54	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	132319	02/20/26 00:26	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			132538	02/20/26 00:26	AJ	EET MID

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Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit #44H

Job ID: 890-9512-1
SDG: Eddy County, NM

Client Sample ID: WSW - 1 0-0.25

Date Collected: 02/13/26 12:45
Date Received: 02/13/26 15:36

Lab Sample ID: 890-9512-4

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			132492	02/20/26 04:00	SA	EET MID
Total/NA	Prep	8015NM Prep			9.97 g	10.00 mL	131853	02/15/26 19:23	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	132359	02/20/26 04:00	SA	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	132112	02/17/26 12:58	SA	EET MID
Soluble	Analysis	300.0		1			132125	02/17/26 17:29	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: 890-9512-1
Project/Site: Ross Draw Unit #44H
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: Ross Draw Unit #44H

Job ID: 890-9512-1
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: Ross Draw Unit #44H

Job ID: 890-9512-1
SDG: Eddy County, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-9512-1	NSW - 1 0-0.25	Solid	02/13/26 12:30	02/13/26 15:36	0-0.25
890-9512-2	ESW - 1 0-0.25	Solid	02/13/26 12:35	02/13/26 15:36	0-0.25
890-9512-3	SSW - 1 0-0.25	Solid	02/13/26 12:40	02/13/26 15:36	0-0.25
890-9512-4	WSW - 1 0-0.25	Solid	02/13/26 12:45	02/13/26 15:36	0-0.25

Released to Imaging: 6/3/2026 2:28:14 PM
Received by OCD: 5/18/2026 12:12:15 PM

(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: _____

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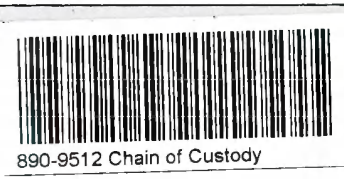
Project Manager:	Gilbert Moreno	Bill to: (if different)	~~Earth Systems R & R~~
Company Name:	Earth Systems R&R	Company Name:	DEVON Energy
Address:	1910 Resource Ct.	Address:	Jim Raley
City, State ZIP:	Carlsbad, NM, 88220	City, State ZIP:	
Phone:	832-541-7719	Email:	gmoreno@earthsys.net

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:	Ross Draw Unit #44H	Turn Around	
Project Number:	VP-155	☒ Routine ☐ Rush	
Project Location:	Eddy Cnty, NM	Due Date:	
Sampler's Name:	Evan B	TAT starts the day received by the lab, if received by 4:30pm	
PO/ WO #:			

SAMPLE RECEIPT				
Temp Blank:	(Yes) No	Wet Ice:	(Yes) No	
Samples Received Intact:	(Yes) No	Thermometer ID:	TNUCC	
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-0.2	
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	11.2	
Total Containers:		Corrected Temperature:	11.0	



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 Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Pres. Code	TPH	Chloride	BTEX	TDS	Cation/ Anion	TCLP-Metals	TCLP- BTEX	TCLP- RCI	Hold	24 Hr Rush	Sample Comments
NSW-1 0-0.25	S	2/13/26	12:30	0-.25	G	1		X	X	X								Incident Number
ESW-1 0-0.25	S	2/13/26	12:35	0-.25	G	1		X	X	X								nAPP2508325453
SSW-1 0-0.25	S	2/13/26	12:40	0-.25	G	1		X	X	X								
WSW-1 0-0.25	S	2/13/26	12:45	0-.25	G	1		X	X	X								

NF/E

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 **TCLP / SPLP 6010:** 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U Hg: 1631 / 245.1 / 7470 / 7471

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

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1		15:34 2/13	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

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Received by OCD: 5/18/2026 12:12:15 PM

(4)

eurofins | Environment Testing Xenco

Chain of Custody

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

Work Order No: _____

www.xenco.com Page _____ of _____

Project Manager:	Gilbert Moreno	Bill to: (if different)	~~Earth Systems R & R~~
Company Name:	Earth Systems R&R	Company Name:	DEVON Energy
Address:	1910 Resource Ct.	Address:	Jim Raley
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:	Ross Draw Unit #44H	Turn Around	
Project Number:	VP-155	☒ Routine ☐ Rush	
Project Location:	Eddy Cnty, NM	Due Date:	
Sampler's Name:	Evan B	TAT starts the day received by the lab, if received by 4:30pm	
PO/ WO #:			

SAMPLE RECEIPT				
Temp Blank:	Yes No	Wet Ice:	Yes No	
Samples Received Intact:	~~Yes~~ No	Thermometer ID:	TNUCC	
Cooler Custody Seals:	Yes No N/A	Correction Factor:	-0.2	
Sample Custody Seals:	Yes No N/A	Temperature Reading:	1.2	
Total Containers:		Corrected Temperature:	1.0	

890-9512 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	Grab/ Comp	# of Cont	Pres. Code	TPH	Chloride	BTEX	TDS	Cation/ Anion	TCLP-Metals	TCLP- BTEX	TCLP- RCI	Hold	24 Hr Rush	Sample Comments
NSW-1 0-0.25	S	2/13/26	12:30	0-.25	G	1		X	X	X								Incident Number
ESW-1 0-0.25	S	2/13/26	12:35	0-.25	G	1		X	X	X								nAPP2508325453
SSW-1 0-0.25	S	2/13/26	12:40	0-.25	G	1		X	X	X								
WSW-1 0-0.25	S	2/13/26	12:45	0-.25	G	1		X	X	X								

NF/E

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 **TCLP / SPLP 6010:** 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U Hg: 1631 / 245.1 / 7470 / 7471

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1		15:34 2/13	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

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Received by OCD: 5/18/2026 12:12:15 PM

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

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Teel, Brianna	Carrier Tracking No(s): N/A	COC No: 890-6520 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 #: 890-9512-1
Address: 1211 W Florida Ave, ,	Due Date Requested: 2/19/2026			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: ROSS DRAW UNIT #44H	Project #: 88001228			
Site: N/A	SSOW#: N/A			Other: 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)	Total_BTEX_GCV	8021B/5035FP_CalcBTEX	300_ORGFM_28D/DI_LEACHChloride	8015MOD_Calc	8015MOD_NM/8015NM_S_Prep8015 NM	Total Number of containers	Special Instructions/Note:
			Preservation Code:										
NSW - 1 0-0 25 (890-9512-1)	2/13/26	12 30 Mountain	G	Solid			X	X	X	X	X	1	
ESW - 1 0-0.25 (890-9512-2)	2/13/26	12 35 Mountain	G	Solid			X	X	X	X	X	1	
SSW - 1 0-0.25 (890-9512-3)	2/13/26	12.40 Mountain	G	Solid			X	X	X	X	X	1	
WSW - 1 0-0 25 (890-9512-4)	2/13/26	12 45 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:

	Date/Time	Company	Received by	Date/Time	Company
Relinquished by:	2/13 1630			2-16-26 1100	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	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.

Ver: 10/10/2024

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Received by OCD: 5/18/2026 12:12:15 PM

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

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Teel, Brianna	Carrier Tracking No(s): N/A	COC No: 890-6520 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 #: 890-9512-1
Address: 1211 W Florida Ave, ,	Due Date Requested: 2/19/2026			
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: ROSS DRAW UNIT #44H	Project #: 88001228			
Site: N/A	SSOW#: N/A			

Analysis Requested

Preservation Codes: -

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)	Total_BTEX_GCV	8021B/5035FP_CalcBTEX	300_ORGFM_28D/DI_LEACHChloride	8015MOD_Calc	8015MOD_NM/8015NM_S_Prep8015 NM	Total Number of containers	Special Instructions/Note:
			Preservation Code:										
NSW - 1 0-0 25 (890-9512-1)	2/13/26	12 30 Mountain	G	Solid			X	X	X	X	X	1	
ESW - 1 0-0.25 (890-9512-2)	2/13/26	12 35 Mountain	G	Solid			X	X	X	X	X	1	
SSW - 1 0-0.25 (890-9512-3)	2/13/26	12.40 Mountain	G	Solid			X	X	X	X	X	1	
WSW - 1 0-0 25 (890-9512-4)	2/13/26	12 45 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: 2/13 1630	Company	Received by:	Date/Time: 2-16-26 1100	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	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.

Ver: 10/10/2024

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Received by OCD: 5/18/2026 12:12:15 PM

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

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Teel, Brianna	Carrier Tracking No(s): N/A	COC No: 890-6521 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 #: 890-9512-1
Address: 1211 W Florida Ave, ,	Due Date Requested: 2/19/2026			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: ROSS DRAW UNIT #44H	Project #: 88001228			
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)	Total_BTEX_GCV	8021B/5035FP_CalcBTEX	300_ORGFM_28D/DI_LEACHChloride	8015MOD_Calc	8015MOD_NM/8015NM_S_Prep8015 NM	Total Number of containers	Special Instructions/Note:
			Preservation Code:										
NSW - 1 0-0 25 (890-9512-1)	2/13/26	12 30 Mountain	G	Solid			X	X	X	X	X	1	
ESW - 1 0-0.25 (890-9512-2)	2/13/26	12 35 Mountain	G	Solid			X	X	X	X	X	1	
SSW - 1 0-0.25 (890-9512-3)	2/13/26	12.40 Mountain	G	Solid			X	X	X	X	X	1	
WSW - 1 0-0.25 (890-9512-4)	2/13/26	12 45 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:	Company	Received by:	Date/Time:	Company
[signature]	2/13 1630		[signature]	2-16-26 1100	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	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.

Ver: 10/10/2024

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

Chain of Custody Record

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Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Teel, Brianna	Carrier Tracking No(s): N/A	COC No: 890-6521 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 #: 890-9512-1
Address: 1211 W Florida Ave, ,	Due Date Requested: 2/19/2026			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: ROSS DRAW UNIT #44H	Project #: 88001228			
Site: N/A	SSOW#: N/A			Other: 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)	Total_BTEX_GCV	8021B/5035FP_CalcBTEX	300_ORGFM_28D/DI_LEACHChloride	8015MOD_Calc	8015MOD_NM/8015NM_S_Prep8015 NM	Total Number of containers	Special Instructions/Note:
			Preservation Code:										
NSW - 1 0-0 25 (890-9512-1)	2/13/26	12 30 Mountain	G	Solid			X	X	X	X	X	1	
ESW - 1 0-0.25 (890-9512-2)	2/13/26	12 35 Mountain	G	Solid			X	X	X	X	X	1	
SSW - 1 0-0.25 (890-9512-3)	2/13/26	12.40 Mountain	G	Solid			X	X	X	X	X	1	
WSW - 1 0-0.25 (890-9512-4)	2/13/26	12 45 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:	Company	Received by:	Date/Time:	Company
[signature]	2/13 1630		[signature]	2-16-26 1100	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	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.

Ver: 10/10/2024

Login Sample Receipt Checklist

Client: Earth Systems Response and Restoration

Job Number: 890-9512-1
SDG Number: Eddy County, NM

Login Number: 9512
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: 890-9512-1
SDG Number: Eddy County, NM

Login Number: 9512
List Number: 2
Creator: Laing, Edmundo

List Source: Eurofins Midland
List Creation: 02/16/26 11:00 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	

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 2/23/2026 9:53:14 PM

JOB DESCRIPTION

Ross Draw Unit #44H
Eddy County, NM

JOB NUMBER

890-9513-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

See page two for job notes and contact information.

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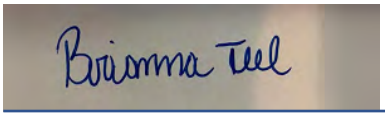
Eurofins Carlsbad

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
2/23/2026 9:53:14 PM

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

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit #44H

Laboratory Job ID: 890-9513-1
SDG: Eddy County, NM

Table of Contents

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Definitions/Glossary

Client: Earth Systems Response and Restoration Job ID: 890-9513-1
Project/Site: Ross Draw Unit #44H SDG: Eddy County, NM

Qualifiers

GC VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: Earth Systems Response and Restoration Job ID: 890-9513-1
Project: Ross Draw Unit #44H

Job ID: 890-9513-1 Eurofins Carlsbad

Job Narrative
890-9513-1

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 2/13/2026 3:36 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 4.0°C.

Receipt Exceptions
The following samples were received and analyzed from an unpreserved bulk soil jar: CS-1 .25 (890-9513-1), CS-2 .25 (890-9513-2), CS-3 .25 (890-9513-3), CS-4 .25 (890-9513-4), CS-5 .25 (890-9513-5), CS-6 .25 (890-9513-6), CS-7 .25 (890-9513-7), CS-8 .25 (890-9513-8), CS-9 .25 (890-9513-9), CS-10 .25 (890-9513-10), CS-11 .25 (890-9513-11), CS-12 .25 (890-9513-12), CS-13 .25 (890-9513-13), CS-14 .25 (890-9513-14), CS-15 .25 (890-9513-15), CS-16 .25 (890-9513-16), CS-17 .25 (890-9513-17), CS-18 .25 (890-9513-18), CS-19 .25 (890-9513-19), CS-20 .25 (890-9513-20) and CS-21 .25 (890-9513-21).

GC VOA
Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-132521 and analytical batch 880-132636 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 880-132487 and analytical batch 880-132636 was outside the upper control limits.

Method 8021B: Surrogate recovery for the following samples were outside control limits: CS-3 .25 (890-9513-3), CS-4 .25 (890-9513-4), CS-7 .25 (890-9513-7), CS-10 .25 (890-9513-10), CS-14 .25 (890-9513-14), CS-18 .25 (890-9513-18) and CS-19 .25 (890-9513-19). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-132521 and analytical batch 880-132636 was outside the upper control limits.

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-132526 and analytical batch 880-132660 was outside the upper control limits.

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

Diesel Range Organics
Method 8015B NM: The continuing calibration verification (CCV) associated with batch 880-132359 recovered above the upper control limit for Gasoline Range Organics (GRO)-C6-C10. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is:(CCV 880-132359/166).

Method 8015B NM: The surrogate recovery for the blank associated with preparation batch 880-131853 and analytical batch 880-132359 was outside the upper control limits.

Method 8015B NM: Surrogate recovery for the following sample was outside control limits: (LCSD 880-131853/3-A). Evidence of matrix interferences is not obvious.

Method 8015B NM: The continuing calibration verification (CCV) associated with batch 880-132360 recovered above the upper

Case Narrative

Client: Earth Systems Response and Restoration Job ID: 890-9513-1
Project: Ross Draw Unit #44H

Job ID: 890-9513-1 (Continued) Eurofins Carlsbad

control limit for Gasoline Range Organics (GRO)-C6-C10 and Diesel Range Organics (Over C10-C28). An acceptable CCV was ran within the 12 hour window, therefore the data has been qualified and reported. The associated sample is:(CCV 880-132360/166).

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

HPLC/IC
Method 300.0 - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-132115 and analytical batch 880-132123 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

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

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit #44H

Job ID: 890-9513-1
SDG: Eddy County, NM

Client Sample ID: CS-1 .25

Lab Sample ID: 890-9513-1
Matrix: Solid
Date Collected: 02/13/26 10:30
Date Received: 02/13/26 15:36
Sample Depth: .25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/20/26 11:32	02/22/26 10:51	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/20/26 11:32	02/22/26 10:51	1
Ethylbenzene	<0.00200	U F1	0.00200		mg/Kg		02/20/26 11:32	02/22/26 10:51	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		02/20/26 11:32	02/22/26 10:51	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/20/26 11:32	02/22/26 10:51	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		02/20/26 11:32	02/22/26 10:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*	*02/20/26 11:32*	*02/22/26 10:51*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*02/20/26 11:32*	*02/22/26 10:51*	*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			02/22/26 10:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			02/20/26 04:15	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	<50.1	U	50.1		mg/Kg		02/15/26 19:23	02/20/26 04:15	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		02/15/26 19:23	02/20/26 04:15	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		02/15/26 19:23	02/20/26 04:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*97*		*70 - 130*	*02/15/26 19:23*	*02/20/26 04:15*	*1*
o-Terphenyl	*94*		*70 - 130*	*02/15/26 19:23*	*02/20/26 04:15*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1430**		50.0		mg/Kg			02/17/26 17:35	5

Client Sample ID: CS-2 .25

Lab Sample ID: 890-9513-2
Matrix: Solid
Date Collected: 02/13/26 10:35
Date Received: 02/13/26 15:36
Sample Depth: .25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		02/20/26 11:32	02/22/26 11:11	1
Toluene	<0.00201	U	0.00201		mg/Kg		02/20/26 11:32	02/22/26 11:11	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		02/20/26 11:32	02/22/26 11:11	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		02/20/26 11:32	02/22/26 11:11	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		02/20/26 11:32	02/22/26 11:11	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		02/20/26 11:32	02/22/26 11:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*	*02/20/26 11:32*	*02/22/26 11:11*	*1*

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit #44H

Job ID: 890-9513-1
SDG: Eddy County, NM

Client Sample ID: CS-2 .25

Lab Sample ID: 890-9513-2
Matrix: Solid
Date Collected: 02/13/26 10:35
Date Received: 02/13/26 15:36
Sample Depth: .25

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*111*		*70 - 130*	*02/20/26 11:32*	*02/22/26 11:11*	*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			02/22/26 11:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**196**		50.0		mg/Kg			02/20/26 04:31	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		02/15/26 19:23	02/20/26 04:31	1
Diesel Range Organics (Over C10-C28)	**196**		50.0		mg/Kg		02/15/26 19:23	02/20/26 04:31	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/15/26 19:23	02/20/26 04:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*113*		*70 - 130*	*02/15/26 19:23*	*02/20/26 04:31*	*1*
o-Terphenyl	*114*		*70 - 130*	*02/15/26 19:23*	*02/20/26 04:31*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**657**		9.92		mg/Kg			02/17/26 17:50	1

Client Sample ID: CS-3 .25

Lab Sample ID: 890-9513-3
Matrix: Solid
Date Collected: 02/13/26 10:40
Date Received: 02/13/26 15:36
Sample Depth: .25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		02/20/26 11:32	02/22/26 11:32	1
Toluene	<0.00202	U	0.00202		mg/Kg		02/20/26 11:32	02/22/26 11:32	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		02/20/26 11:32	02/22/26 11:32	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		02/20/26 11:32	02/22/26 11:32	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		02/20/26 11:32	02/22/26 11:32	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		02/20/26 11:32	02/22/26 11:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*144*	*S1+*	*70 - 130*	*02/20/26 11:32*	*02/22/26 11:32*	*1*
1,4-Difluorobenzene (Surr)	*120*		*70 - 130*	*02/20/26 11:32*	*02/22/26 11:32*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			02/22/26 11:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			02/20/26 05:02	1

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit #44H

Job ID: 890-9513-1
SDG: Eddy County, NM

Client Sample ID: CS-3 .25

Lab Sample ID: 890-9513-3
Matrix: Solid
Date Collected: 02/13/26 10:40
Date Received: 02/13/26 15:36
Sample Depth: .25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		02/15/26 19:23	02/20/26 05:02	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		02/15/26 19:23	02/20/26 05:02	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		02/15/26 19:23	02/20/26 05:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*106*		*70 - 130*	*02/15/26 19:23*	*02/20/26 05:02*	*1*
o-Terphenyl	*105*		*70 - 130*	*02/15/26 19:23*	*02/20/26 05:02*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1390**	**F1**	50.4		mg/Kg			02/18/26 00:19	5

Client Sample ID: CS-4 .25

Lab Sample ID: 890-9513-4
Matrix: Solid
Date Collected: 02/13/26 10:45
Date Received: 02/13/26 15:36
Sample Depth: .25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		02/20/26 11:32	02/22/26 11:52	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/20/26 11:32	02/22/26 11:52	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/20/26 11:32	02/22/26 11:52	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/20/26 11:32	02/22/26 11:52	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/20/26 11:32	02/22/26 11:52	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/20/26 11:32	02/22/26 11:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*135*	*S1+*	*70 - 130*	*02/20/26 11:32*	*02/22/26 11:52*	*1*
1,4-Difluorobenzene (Surr)	*115*		*70 - 130*	*02/20/26 11:32*	*02/22/26 11:52*	*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			02/22/26 11:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**373**		50.0		mg/Kg			02/20/26 05:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/15/26 19:23	02/20/26 05:16	1
Diesel Range Organics (Over C10-C28)	**373**		50.0		mg/Kg		02/15/26 19:23	02/20/26 05:16	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/15/26 19:23	02/20/26 05:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*105*		*70 - 130*	*02/15/26 19:23*	*02/20/26 05:16*	*1*
o-Terphenyl	*106*		*70 - 130*	*02/15/26 19:23*	*02/20/26 05:16*	*1*

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit #44H

Job ID: 890-9513-1
SDG: Eddy County, NM

Client Sample ID: CS-4 .25

Lab Sample ID: 890-9513-4
Matrix: Solid
Date Collected: 02/13/26 10:45
Date Received: 02/13/26 15:36
Sample Depth: .25

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	704		10.0		mg/Kg			02/18/26 00:35	1

Client Sample ID: CS-5 .25

Lab Sample ID: 890-9513-5
Matrix: Solid
Date Collected: 02/13/26 10:50
Date Received: 02/13/26 15:36
Sample Depth: .25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		02/20/26 11:32	02/22/26 12:13	1
Toluene	<0.00198	U	0.00198		mg/Kg		02/20/26 11:32	02/22/26 12:13	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		02/20/26 11:32	02/22/26 12:13	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		02/20/26 11:32	02/22/26 12:13	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		02/20/26 11:32	02/22/26 12:13	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		02/20/26 11:32	02/22/26 12:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*128*		*70 - 130*	*02/20/26 11:32*	*02/22/26 12:13*	*1*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*	*02/20/26 11:32*	*02/22/26 12:13*	*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			02/22/26 12:13	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			02/20/26 05:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		02/15/26 19:23	02/20/26 05:32	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/15/26 19:23	02/20/26 05:32	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/15/26 19:23	02/20/26 05:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*101*		*70 - 130*	*02/15/26 19:23*	*02/20/26 05:32*	*1*
o-Terphenyl	*99*		*70 - 130*	*02/15/26 19:23*	*02/20/26 05:32*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1010		50.2		mg/Kg			02/18/26 09:22	5

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit #44H

Job ID: 890-9513-1
SDG: Eddy County, NM

Client Sample ID: CS-6 .25

Lab Sample ID: 890-9513-6
Matrix: Solid
Date Collected: 02/13/26 10:55
Date Received: 02/13/26 15:36
Sample Depth: .25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/20/26 11:32	02/22/26 12:33	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/20/26 11:32	02/22/26 12:33	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/20/26 11:32	02/22/26 12:33	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		02/20/26 11:32	02/22/26 12:33	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/20/26 11:32	02/22/26 12:33	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		02/20/26 11:32	02/22/26 12:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*125*		*70 - 130*	*02/20/26 11:32*	*02/22/26 12:33*	*1*
1,4-Difluorobenzene (Surr)	*109*		*70 - 130*	*02/20/26 11:32*	*02/22/26 12:33*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			02/22/26 12:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**51.2**		49.9		mg/Kg			02/20/26 05:47	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	<49.9	U	49.9		mg/Kg		02/15/26 19:23	02/20/26 05:47	1
Diesel Range Organics (Over C10-C28)	**51.2**		49.9		mg/Kg		02/15/26 19:23	02/20/26 05:47	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/15/26 19:23	02/20/26 05:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*108*		*70 - 130*	*02/15/26 19:23*	*02/20/26 05:47*	*1*
o-Terphenyl	*108*		*70 - 130*	*02/15/26 19:23*	*02/20/26 05:47*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**592**		10.1		mg/Kg			02/18/26 00:43	1

Client Sample ID: CS-7 .25

Lab Sample ID: 890-9513-7
Matrix: Solid
Date Collected: 02/13/26 11:00
Date Received: 02/13/26 15:36
Sample Depth: .25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		02/20/26 11:32	02/22/26 12:54	1
Toluene	<0.00201	U	0.00201		mg/Kg		02/20/26 11:32	02/22/26 12:54	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		02/20/26 11:32	02/22/26 12:54	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		02/20/26 11:32	02/22/26 12:54	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		02/20/26 11:32	02/22/26 12:54	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		02/20/26 11:32	02/22/26 12:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*135*	*S1+*	*70 - 130*	*02/20/26 11:32*	*02/22/26 12:54*	*1*

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit #44H

Job ID: 890-9513-1
SDG: Eddy County, NM

Client Sample ID: CS-7 .25

Lab Sample ID: 890-9513-7
Matrix: Solid
Date Collected: 02/13/26 11:00
Date Received: 02/13/26 15:36
Sample Depth: .25

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*119*		*70 - 130*	*02/20/26 11:32*	*02/22/26 12:54*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			02/22/26 12:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			02/20/26 06:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/15/26 19:23	02/20/26 06:02	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/15/26 19:23	02/20/26 06:02	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/15/26 19:23	02/20/26 06:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*108*		*70 - 130*	*02/15/26 19:23*	*02/20/26 06:02*	*1*
o-Terphenyl	*104*		*70 - 130*	*02/15/26 19:23*	*02/20/26 06:02*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1360**		49.8		mg/Kg			02/18/26 00:50	5

Client Sample ID: CS-8 .25

Lab Sample ID: 890-9513-8
Matrix: Solid
Date Collected: 02/13/26 11:05
Date Received: 02/13/26 15:36
Sample Depth: .25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		02/20/26 11:32	02/22/26 13:14	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/20/26 11:32	02/22/26 13:14	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/20/26 11:32	02/22/26 13:14	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/20/26 11:32	02/22/26 13:14	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/20/26 11:32	02/22/26 13:14	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/20/26 11:32	02/22/26 13:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*117*		*70 - 130*	*02/20/26 11:32*	*02/22/26 13:14*	*1*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*	*02/20/26 11:32*	*02/22/26 13:14*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			02/22/26 13:14	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			02/20/26 06:17	1

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit #44H

Job ID: 890-9513-1
SDG: Eddy County, NM

Client Sample ID: CS-8 .25

Lab Sample ID: 890-9513-8
Matrix: Solid
Date Collected: 02/13/26 11:05
Date Received: 02/13/26 15:36
Sample Depth: .25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		02/15/26 19:23	02/20/26 06:17	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/15/26 19:23	02/20/26 06:17	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/15/26 19:23	02/20/26 06:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*111*		*70 - 130*	*02/15/26 19:23*	*02/20/26 06:17*	*1*
o-Terphenyl	*111*		*70 - 130*	*02/15/26 19:23*	*02/20/26 06:17*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**308**		9.98		mg/Kg			02/18/26 01:10	1

Client Sample ID: CS-9 .25

Lab Sample ID: 890-9513-9
Matrix: Solid
Date Collected: 02/13/26 11:10
Date Received: 02/13/26 15:36
Sample Depth: .25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		02/20/26 11:32	02/22/26 13:35	1
Toluene	<0.00198	U	0.00198		mg/Kg		02/20/26 11:32	02/22/26 13:35	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		02/20/26 11:32	02/22/26 13:35	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		02/20/26 11:32	02/22/26 13:35	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		02/20/26 11:32	02/22/26 13:35	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		02/20/26 11:32	02/22/26 13:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*125*		*70 - 130*	*02/20/26 11:32*	*02/22/26 13:35*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*02/20/26 11:32*	*02/22/26 13:35*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			02/22/26 13:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			02/20/26 06:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/15/26 19:23	02/20/26 06:32	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/15/26 19:23	02/20/26 06:32	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/15/26 19:23	02/20/26 06:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*105*		*70 - 130*	*02/15/26 19:23*	*02/20/26 06:32*	*1*
o-Terphenyl	*105*		*70 - 130*	*02/15/26 19:23*	*02/20/26 06:32*	*1*

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit #44H

Job ID: 890-9513-1
SDG: Eddy County, NM

Client Sample ID: CS-9 .25

Lab Sample ID: 890-9513-9
Matrix: Solid
Date Collected: 02/13/26 11:10
Date Received: 02/13/26 15:36
Sample Depth: .25

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1090**		50.0		mg/Kg			02/18/26 01:16	5

Client Sample ID: CS-10 .25

Lab Sample ID: 890-9513-10
Matrix: Solid
Date Collected: 02/13/26 11:15
Date Received: 02/13/26 15:36
Sample Depth: .25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/20/26 11:32	02/22/26 13:55	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/20/26 11:32	02/22/26 13:55	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/20/26 11:32	02/22/26 13:55	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		02/20/26 11:32	02/22/26 13:55	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/20/26 11:32	02/22/26 13:55	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		02/20/26 11:32	02/22/26 13:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*141*	*S1+*	*70 - 130*	*02/20/26 11:32*	*02/22/26 13:55*	*1*
1,4-Difluorobenzene (Surr)	*117*		*70 - 130*	*02/20/26 11:32*	*02/22/26 13:55*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			02/22/26 13:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**105**		49.8		mg/Kg			02/20/26 06:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		02/15/26 19:23	02/20/26 06:48	1
Diesel Range Organics (Over C10-C28)	**105**		49.8		mg/Kg		02/15/26 19:23	02/20/26 06:48	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		02/15/26 19:23	02/20/26 06:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*122*		*70 - 130*	*02/15/26 19:23*	*02/20/26 06:48*	*1*
o-Terphenyl	*120*		*70 - 130*	*02/15/26 19:23*	*02/20/26 06:48*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**547**		9.92		mg/Kg			02/18/26 01:23	1

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit #44H

Job ID: 890-9513-1
SDG: Eddy County, NM

Client Sample ID: CS-11 .25

Date Collected: 02/13/26 11:20
Date Received: 02/13/26 15:36
Sample Depth: .25

Lab Sample ID: 890-9513-11

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		02/20/26 11:32	02/22/26 15:45	1
Toluene	<0.00201	U	0.00201		mg/Kg		02/20/26 11:32	02/22/26 15:45	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		02/20/26 11:32	02/22/26 15:45	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		02/20/26 11:32	02/22/26 15:45	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		02/20/26 11:32	02/22/26 15:45	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		02/20/26 11:32	02/22/26 15:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*	*02/20/26 11:32*	*02/22/26 15:45*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*02/20/26 11:32*	*02/22/26 15:45*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			02/22/26 15:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			02/20/26 07:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/15/26 19:23	02/20/26 07:03	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/15/26 19:23	02/20/26 07:03	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/15/26 19:23	02/20/26 07:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*104*		*70 - 130*	*02/15/26 19:23*	*02/20/26 07:03*	*1*
o-Terphenyl	*104*		*70 - 130*	*02/15/26 19:23*	*02/20/26 07:03*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**356**		10.0		mg/Kg			02/18/26 01:30	1

Client Sample ID: CS-12 .25

Date Collected: 02/13/26 11:25
Date Received: 02/13/26 15:36
Sample Depth: .25

Lab Sample ID: 890-9513-12

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		02/20/26 11:32	02/22/26 16:06	1
Toluene	<0.00202	U	0.00202		mg/Kg		02/20/26 11:32	02/22/26 16:06	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		02/20/26 11:32	02/22/26 16:06	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		02/20/26 11:32	02/22/26 16:06	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		02/20/26 11:32	02/22/26 16:06	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		02/20/26 11:32	02/22/26 16:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*	*02/20/26 11:32*	*02/22/26 16:06*	*1*

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit #44H

Job ID: 890-9513-1
SDG: Eddy County, NM

Client Sample ID: CS-12 .25

Lab Sample ID: 890-9513-12
Matrix: Solid
Date Collected: 02/13/26 11:25
Date Received: 02/13/26 15:36
Sample Depth: .25

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*	*02/20/26 11:32*	*02/22/26 16:06*	*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			02/22/26 16:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			02/20/26 07:19	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	<50.1	U	50.1		mg/Kg		02/15/26 19:23	02/20/26 07:19	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		02/15/26 19:23	02/20/26 07:19	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		02/15/26 19:23	02/20/26 07:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*110*		*70 - 130*	*02/15/26 19:23*	*02/20/26 07:19*	*1*
o-Terphenyl	*107*		*70 - 130*	*02/15/26 19:23*	*02/20/26 07:19*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**4180**		101		mg/Kg			02/18/26 01:36	10

Client Sample ID: CS-13 .25

Lab Sample ID: 890-9513-13
Matrix: Solid
Date Collected: 02/13/26 11:30
Date Received: 02/13/26 15:36
Sample Depth: .25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		02/20/26 11:32	02/22/26 16:26	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/20/26 11:32	02/22/26 16:26	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/20/26 11:32	02/22/26 16:26	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/20/26 11:32	02/22/26 16:26	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/20/26 11:32	02/22/26 16:26	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/20/26 11:32	02/22/26 16:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*	*02/20/26 11:32*	*02/22/26 16:26*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*02/20/26 11:32*	*02/22/26 16:26*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			02/22/26 16:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.2	U	50.2		mg/Kg			02/20/26 01:45	1

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit #44H

Job ID: 890-9513-1
SDG: Eddy County, NM

Client Sample ID: CS-13 .25

Lab Sample ID: 890-9513-13
Matrix: Solid
Date Collected: 02/13/26 11:30
Date Received: 02/13/26 15:36
Sample Depth: .25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.2	U	50.2		mg/Kg		02/15/26 19:26	02/20/26 01:45	1
Diesel Range Organics (Over C10-C28)	<50.2	U	50.2		mg/Kg		02/15/26 19:26	02/20/26 01:45	1
Oil Range Organics (Over C28-C36)	<50.2	U	50.2		mg/Kg		02/15/26 19:26	02/20/26 01:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*88*		*70 - 130*	*02/15/26 19:26*	*02/20/26 01:45*	*1*
o-Terphenyl	*86*		*70 - 130*	*02/15/26 19:26*	*02/20/26 01:45*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**372**		9.94		mg/Kg			02/18/26 01:43	1

Client Sample ID: CS-14 .25

Lab Sample ID: 890-9513-14
Matrix: Solid
Date Collected: 02/13/26 11:35
Date Received: 02/13/26 15:36
Sample Depth: .25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		02/20/26 11:32	02/22/26 16:47	1
Toluene	<0.00198	U	0.00198		mg/Kg		02/20/26 11:32	02/22/26 16:47	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		02/20/26 11:32	02/22/26 16:47	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		02/20/26 11:32	02/22/26 16:47	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		02/20/26 11:32	02/22/26 16:47	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		02/20/26 11:32	02/22/26 16:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*151*	*S1+*	*70 - 130*	*02/20/26 11:32*	*02/22/26 16:47*	*1*
1,4-Difluorobenzene (Surr)	*123*		*70 - 130*	*02/20/26 11:32*	*02/22/26 16:47*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			02/22/26 16:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			02/20/26 02:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/15/26 19:26	02/20/26 02:30	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/15/26 19:26	02/20/26 02:30	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/15/26 19:26	02/20/26 02:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*89*		*70 - 130*	*02/15/26 19:26*	*02/20/26 02:30*	*1*
o-Terphenyl	*87*		*70 - 130*	*02/15/26 19:26*	*02/20/26 02:30*	*1*

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit #44H

Job ID: 890-9513-1
SDG: Eddy County, NM

Client Sample ID: CS-14 .25

Lab Sample ID: 890-9513-14
Matrix: Solid
Date Collected: 02/13/26 11:35
Date Received: 02/13/26 15:36
Sample Depth: .25

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7170		99.2		mg/Kg			02/18/26 02:03	10

Client Sample ID: CS-15 .25

Lab Sample ID: 890-9513-15
Matrix: Solid
Date Collected: 02/13/26 11:40
Date Received: 02/13/26 15:36
Sample Depth: .25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/20/26 11:32	02/22/26 17:07	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/20/26 11:32	02/22/26 17:07	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/20/26 11:32	02/22/26 17:07	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		02/20/26 11:32	02/22/26 17:07	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/20/26 11:32	02/22/26 17:07	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/20/26 11:32	02/22/26 17:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*120*		*70 - 130*	*02/20/26 11:32*	*02/22/26 17:07*	*1*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*	*02/20/26 11:32*	*02/22/26 17:07*	*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			02/22/26 17:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.2	U	50.2		mg/Kg			02/20/26 02:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.2	U	50.2		mg/Kg		02/15/26 19:26	02/20/26 02:45	1
Diesel Range Organics (Over C10-C28)	<50.2	U	50.2		mg/Kg		02/15/26 19:26	02/20/26 02:45	1
Oil Range Organics (Over C28-C36)	<50.2	U	50.2		mg/Kg		02/15/26 19:26	02/20/26 02:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*91*		*70 - 130*	*02/15/26 19:26*	*02/20/26 02:45*	*1*
o-Terphenyl	*90*		*70 - 130*	*02/15/26 19:26*	*02/20/26 02:45*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1690		49.9		mg/Kg			02/18/26 02:10	5

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit #44H

Job ID: 890-9513-1
SDG: Eddy County, NM

Client Sample ID: CS-16 .25

Lab Sample ID: 890-9513-16
Matrix: Solid
Date Collected: 02/13/26 11:45
Date Received: 02/13/26 15:36
Sample Depth: .25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/20/26 11:32	02/22/26 17:27	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/20/26 11:32	02/22/26 17:27	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/20/26 11:32	02/22/26 17:27	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		02/20/26 11:32	02/22/26 17:27	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/20/26 11:32	02/22/26 17:27	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		02/20/26 11:32	02/22/26 17:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*127*		*70 - 130*	*02/20/26 11:32*	*02/22/26 17:27*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*02/20/26 11:32*	*02/22/26 17:27*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			02/22/26 17:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			02/20/26 03:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		02/15/26 19:26	02/20/26 03:00	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		02/15/26 19:26	02/20/26 03:00	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		02/15/26 19:26	02/20/26 03:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*85*		*70 - 130*	*02/15/26 19:26*	*02/20/26 03:00*	*1*
o-Terphenyl	*83*		*70 - 130*	*02/15/26 19:26*	*02/20/26 03:00*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**7050**		99.6		mg/Kg			02/18/26 02:30	10

Client Sample ID: CS-17 .25

Lab Sample ID: 890-9513-17
Matrix: Solid
Date Collected: 02/13/26 11:50
Date Received: 02/13/26 15:36
Sample Depth: .25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		02/20/26 11:32	02/22/26 17:48	1
Toluene	<0.00201	U	0.00201		mg/Kg		02/20/26 11:32	02/22/26 17:48	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		02/20/26 11:32	02/22/26 17:48	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		02/20/26 11:32	02/22/26 17:48	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		02/20/26 11:32	02/22/26 17:48	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		02/20/26 11:32	02/22/26 17:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*120*		*70 - 130*	*02/20/26 11:32*	*02/22/26 17:48*	*1*

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit #44H

Job ID: 890-9513-1
SDG: Eddy County, NM

Client Sample ID: CS-17 .25

Lab Sample ID: 890-9513-17
Matrix: Solid
Date Collected: 02/13/26 11:50
Date Received: 02/13/26 15:36
Sample Depth: .25

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*114*		*70 - 130*	*02/20/26 11:32*	*02/22/26 17:48*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			02/22/26 17:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			02/20/26 03:15	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		02/15/26 19:26	02/20/26 03:15	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/15/26 19:26	02/20/26 03:15	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/15/26 19:26	02/20/26 03:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*89*		*70 - 130*	*02/15/26 19:26*	*02/20/26 03:15*	*1*
o-Terphenyl	*88*		*70 - 130*	*02/15/26 19:26*	*02/20/26 03:15*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**118**		10.1		mg/Kg			02/18/26 09:29	1

Client Sample ID: CS-18 .25

Lab Sample ID: 890-9513-18
Matrix: Solid
Date Collected: 02/13/26 11:55
Date Received: 02/13/26 15:36
Sample Depth: .25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		02/20/26 11:32	02/22/26 18:08	1
Toluene	<0.00202	U	0.00202		mg/Kg		02/20/26 11:32	02/22/26 18:08	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		02/20/26 11:32	02/22/26 18:08	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		02/20/26 11:32	02/22/26 18:08	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		02/20/26 11:32	02/22/26 18:08	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		02/20/26 11:32	02/22/26 18:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*155*	*S1+*	*70 - 130*	*02/20/26 11:32*	*02/22/26 18:08*	*1*
1,4-Difluorobenzene (Surr)	*125*		*70 - 130*	*02/20/26 11:32*	*02/22/26 18:08*	*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			02/22/26 18:08	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			02/20/26 03:30	1

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit #44H

Job ID: 890-9513-1
SDG: Eddy County, NM

Client Sample ID: CS-18 .25

Lab Sample ID: 890-9513-18
Matrix: Solid
Date Collected: 02/13/26 11:55
Date Received: 02/13/26 15:36
Sample Depth: .25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		02/15/26 19:26	02/20/26 03:30	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		02/15/26 19:26	02/20/26 03:30	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		02/15/26 19:26	02/20/26 03:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*90*		*70 - 130*	*02/15/26 19:26*	*02/20/26 03:30*	*1*
o-Terphenyl	*89*		*70 - 130*	*02/15/26 19:26*	*02/20/26 03:30*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2420**		50.2		mg/Kg			02/18/26 09:36	5

Client Sample ID: CS-19 .25

Lab Sample ID: 890-9513-19
Matrix: Solid
Date Collected: 02/13/26 12:00
Date Received: 02/13/26 15:36
Sample Depth: .25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		02/20/26 11:32	02/22/26 18:29	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/20/26 11:32	02/22/26 18:29	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/20/26 11:32	02/22/26 18:29	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/20/26 11:32	02/22/26 18:29	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/20/26 11:32	02/22/26 18:29	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/20/26 11:32	02/22/26 18:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*149*	*S1+*	*70 - 130*	*02/20/26 11:32*	*02/22/26 18:29*	*1*
1,4-Difluorobenzene (Surr)	*116*		*70 - 130*	*02/20/26 11:32*	*02/22/26 18:29*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			02/22/26 18:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/20/26 03:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		02/15/26 19:26	02/20/26 03:45	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/15/26 19:26	02/20/26 03:45	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/15/26 19:26	02/20/26 03:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*88*		*70 - 130*	*02/15/26 19:26*	*02/20/26 03:45*	*1*
o-Terphenyl	*85*		*70 - 130*	*02/15/26 19:26*	*02/20/26 03:45*	*1*

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit #44H

Job ID: 890-9513-1
SDG: Eddy County, NM

Client Sample ID: CS-19 .25

Lab Sample ID: 890-9513-19
Matrix: Solid
Date Collected: 02/13/26 12:00
Date Received: 02/13/26 15:36
Sample Depth: .25

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	140		10.1		mg/Kg			02/18/26 09:55	1

Client Sample ID: CS-20 .25

Lab Sample ID: 890-9513-20
Matrix: Solid
Date Collected: 02/13/26 12:05
Date Received: 02/13/26 15:36
Sample Depth: .25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		02/20/26 11:32	02/22/26 18:49	1
Toluene	<0.00198	U	0.00198		mg/Kg		02/20/26 11:32	02/22/26 18:49	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		02/20/26 11:32	02/22/26 18:49	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		02/20/26 11:32	02/22/26 18:49	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		02/20/26 11:32	02/22/26 18:49	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		02/20/26 11:32	02/22/26 18:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*	*02/20/26 11:32*	*02/22/26 18:49*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*02/20/26 11:32*	*02/22/26 18:49*	*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			02/22/26 18:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			02/20/26 04:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/15/26 19:26	02/20/26 04:00	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/15/26 19:26	02/20/26 04:00	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/15/26 19:26	02/20/26 04:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*89*		*70 - 130*	*02/15/26 19:26*	*02/20/26 04:00*	*1*
o-Terphenyl	*87*		*70 - 130*	*02/15/26 19:26*	*02/20/26 04:00*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	95.7		10.1		mg/Kg			02/18/26 02:42	1

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit #44H

Job ID: 890-9513-1
SDG: Eddy County, NM

Client Sample ID: CS-21 .25

Date Collected: 02/13/26 12:10
Date Received: 02/13/26 15:36
Sample Depth: .25

Lab Sample ID: 890-9513-21

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		02/20/26 11:38	02/23/26 17:44	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/20/26 11:38	02/23/26 17:44	1
Ethylbenzene	**0.00386**		0.00199		mg/Kg		02/20/26 11:38	02/23/26 17:44	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/20/26 11:38	02/23/26 17:44	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/20/26 11:38	02/23/26 17:44	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/20/26 11:38	02/23/26 17:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*	*02/20/26 11:38*	*02/23/26 17:44*	*1*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*	*02/20/26 11:38*	*02/23/26 17:44*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			02/23/26 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	<49.9	U	49.9		mg/Kg			02/20/26 04:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		02/15/26 19:26	02/20/26 04:15	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/15/26 19:26	02/20/26 04:15	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/15/26 19:26	02/20/26 04:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*104*		*70 - 130*	*02/15/26 19:26*	*02/20/26 04:15*	*1*
o-Terphenyl	*100*		*70 - 130*	*02/15/26 19:26*	*02/20/26 04:15*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**72.2**		9.92		mg/Kg			02/18/26 10:01	1

Surrogate Summary

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit #44H

Job ID: 890-9513-1
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)										
890-9513-1	CS-1 .25	96	95										
890-9513-1 MS	CS-1 .25	102	99										
890-9513-1 MSD	CS-1 .25	109	90										
890-9513-2	CS-2 .25	113	111										
890-9513-3	CS-3 .25	144 S1+	120										
890-9513-4	CS-4 .25	135 S1+	115										
890-9513-5	CS-5 .25	128	108										
890-9513-6	CS-6 .25	125	109										
890-9513-7	CS-7 .25	135 S1+	119										
890-9513-8	CS-8 .25	117	103										
890-9513-9	CS-9 .25	125	98										
890-9513-10	CS-10 .25	141 S1+	117										
890-9513-11	CS-11 .25	101	95										
890-9513-12	CS-12 .25	112	106										
890-9513-13	CS-13 .25	112	96										
890-9513-14	CS-14 .25	151 S1+	123										
890-9513-15	CS-15 .25	120	108										
890-9513-16	CS-16 .25	127	101										
890-9513-17	CS-17 .25	120	114										
890-9513-18	CS-18 .25	155 S1+	125										
890-9513-19	CS-19 .25	149 S1+	116										
890-9513-20	CS-20 .25	110	91										
890-9513-21	CS-21 .25	99	108										
LCS 880-132521/1-A	Lab Control Sample	112	96										
LCS 880-132526/1-A	Lab Control Sample	96	91										
LCSD 880-132521/2-A	Lab Control Sample Dup	104	90										
LCSD 880-132526/2-A	Lab Control Sample Dup	109	99										
MB 880-132487/5-A	Method Blank	209 S1+	130										
MB 880-132521/5-A	Method Blank	151 S1+	90										
MB 880-132526/5-A	Method Blank	194 S1+	117										

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DFBZ = 1,4-Difluorobenzene (Surr)

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

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

		Percent Surrogate Recovery (Acceptance Limits)											
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)										
890-9513-1	CS-1 .25	97	94										
890-9513-2	CS-2 .25	113	114										
890-9513-3	CS-3 .25	106	105										
890-9513-4	CS-4 .25	105	106										
890-9513-5	CS-5 .25	101	99										
890-9513-6	CS-6 .25	108	108										
890-9513-7	CS-7 .25	108	104										
890-9513-8	CS-8 .25	111	111										
890-9513-9	CS-9 .25	105	105										

Surrogate Summary

Client: Earth Systems Response and Restoration
Job ID: 890-9513-1
Project/Site: Ross Draw Unit #44H
SDG: Eddy County, NM

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

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

		Percent Surrogate Recovery (Acceptance Limits)									
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)								
890-9513-10	CS-10 .25	122	120								
890-9513-11	CS-11 .25	104	104								
890-9513-12	CS-12 .25	110	107								
890-9513-13	CS-13 .25	88	86								
890-9513-13 MS	CS-13 .25	85	82								
890-9513-13 MSD	CS-13 .25	74	75								
890-9513-14	CS-14 .25	89	87								
890-9513-15	CS-15 .25	91	90								
890-9513-16	CS-16 .25	85	83								
890-9513-17	CS-17 .25	89	88								
890-9513-18	CS-18 .25	90	89								
890-9513-19	CS-19 .25	88	85								
890-9513-20	CS-20 .25	89	87								
890-9513-21	CS-21 .25	104	100								
LCS 880-131853/2-A	Lab Control Sample	118	127								
LCS 880-131854/2-A	Lab Control Sample	105	111								
LCSD 880-131853/3-A	Lab Control Sample Dup	124	135 S1+								
LCSD 880-131854/3-A	Lab Control Sample Dup	96	102								
MB 880-131853/1-A	Method Blank	149 S1+	161 S1+								
MB 880-131854/1-A	Method Blank	107	114								

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit #44H

Job ID: 890-9513-1
SDG: Eddy County, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-132487/5-A
Matrix: Solid
Analysis Batch: 132636

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 132487

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/20/26 10:31	02/21/26 22:45	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/20/26 10:31	02/21/26 22:45	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/20/26 10:31	02/21/26 22:45	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		02/20/26 10:31	02/21/26 22:45	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/20/26 10:31	02/21/26 22:45	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/20/26 10:31	02/21/26 22:45	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*209*	*S1+*	*70 - 130*	*02/20/26 10:31*	*02/21/26 22:45*	*1*
1,4-Difluorobenzene (Surr)	*130*		*70 - 130*	*02/20/26 10:31*	*02/21/26 22:45*	*1*

Lab Sample ID: MB 880-132521/5-A
Matrix: Solid
Analysis Batch: 132636

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 132521

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/20/26 11:32	02/22/26 10:22	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/20/26 11:32	02/22/26 10:22	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/20/26 11:32	02/22/26 10:22	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		02/20/26 11:32	02/22/26 10:22	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/20/26 11:32	02/22/26 10:22	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/20/26 11:32	02/22/26 10:22	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*151*	*S1+*	*70 - 130*	*02/20/26 11:32*	*02/22/26 10:22*	*1*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*02/20/26 11:32*	*02/22/26 10:22*	*1*

Lab Sample ID: LCS 880-132521/1-A
Matrix: Solid
Analysis Batch: 132636

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 132521

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09147		mg/Kg		91	70 - 130
Toluene	0.100	0.09568		mg/Kg		96	70 - 130
Ethylbenzene	0.100	0.09952		mg/Kg		100	70 - 130
m-Xylene & p-Xylene	0.200	0.2011		mg/Kg		101	70 - 130
o-Xylene	0.100	0.09764		mg/Kg		98	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*

Lab Sample ID: LCSD 880-132521/2-A
Matrix: Solid
Analysis Batch: 132636

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 132521

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.08933		mg/Kg		89	70 - 130	2	35

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit #44H

Job ID: 890-9513-1
SDG: Eddy County, NM

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

Lab Sample ID: LCSD 880-132521/2-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 132636 — **Prep Batch: 132521**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toluene			0.100	0.09186		mg/Kg		92	70 - 130	4	35
Ethylbenzene			0.100	0.08130		mg/Kg		81	70 - 130	20	35
m-Xylene & p-Xylene			0.200	0.1940		mg/Kg		97	70 - 130	4	35
o-Xylene			0.100	0.09589		mg/Kg		96	70 - 130	2	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*

Lab Sample ID: 890-9513-1 MS — **Client Sample ID: CS-1 .25**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 132636 — **Prep Batch: 132521**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.100	0.08186		mg/Kg		82	70 - 130
Toluene	<0.00200	U	0.100	0.08432		mg/Kg		84	70 - 130
Ethylbenzene	<0.00200	U F1	0.100	0.07167		mg/Kg		70	70 - 130
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1629		mg/Kg		81	70 - 130
o-Xylene	<0.00200	U	0.100	0.09079		mg/Kg		91	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*

Lab Sample ID: 890-9513-1 MSD — **Client Sample ID: CS-1 .25**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 132636 — **Prep Batch: 132521**

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	0.07278		mg/Kg		73	70 - 130	12	35
Toluene	<0.00200	U	0.100	0.07336		mg/Kg		73	70 - 130	14	35
Ethylbenzene	<0.00200	U F1	0.100	0.07084	F1	mg/Kg		69	70 - 130	1	35
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1776		mg/Kg		89	70 - 130	9	35
o-Xylene	<0.00200	U	0.100	0.09530		mg/Kg		95	70 - 130	5	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*

Lab Sample ID: MB 880-132526/5-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 132660 — **Prep Batch: 132526**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/20/26 11:38	02/23/26 12:20	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/20/26 11:38	02/23/26 12:20	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/20/26 11:38	02/23/26 12:20	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		02/20/26 11:38	02/23/26 12:20	1

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QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit #44H

Job ID: 890-9513-1
SDG: Eddy County, NM

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

Lab Sample ID: MB 880-132526/5-A
Matrix: Solid
Analysis Batch: 132660

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 132526

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/20/26 11:38	02/23/26 12:20	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/20/26 11:38	02/23/26 12:20	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*194*	*S1+*	*70 - 130*	*02/20/26 11:38*	*02/23/26 12:20*	*1*
1,4-Difluorobenzene (Surr)	*117*		*70 - 130*	*02/20/26 11:38*	*02/23/26 12:20*	*1*

Lab Sample ID: LCS 880-132526/1-A
Matrix: Solid
Analysis Batch: 132660

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 132526

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09770		mg/Kg		98	70 - 130
Toluene	0.100	0.09380		mg/Kg		94	70 - 130
Ethylbenzene	0.100	0.07939		mg/Kg		79	70 - 130
m-Xylene & p-Xylene	0.200	0.2124		mg/Kg		106	70 - 130
o-Xylene	0.100	0.1091		mg/Kg		109	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*

Lab Sample ID: LCSD 880-132526/2-A
Matrix: Solid
Analysis Batch: 132660

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 132526

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09986		mg/Kg		100	70 - 130	2	35
Toluene	0.100	0.07995		mg/Kg		80	70 - 130	16	35
Ethylbenzene	0.100	0.09230		mg/Kg		92	70 - 130	15	35
m-Xylene & p-Xylene	0.200	0.2118		mg/Kg		106	70 - 130	0	35
o-Xylene	0.100	0.1179		mg/Kg		118	70 - 130	8	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*

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

Lab Sample ID: MB 880-131853/1-A
Matrix: Solid
Analysis Batch: 132359

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 131853

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		02/15/26 19:23	02/20/26 01:00	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/15/26 19:23	02/20/26 01:00	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/15/26 19:23	02/20/26 01:00	1

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit #44H

Job ID: 890-9513-1
SDG: Eddy County, NM

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

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	149	S1+	70 - 130	02/15/26 19:23	02/20/26 01:00	1
o-Terphenyl	161	S1+	70 - 130	02/15/26 19:23	02/20/26 01:00	1

Lab Sample ID: LCS 880-131853/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 132359 — **Prep Batch: 131853**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1148		mg/Kg		115	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1001		mg/Kg		100	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	118		70 - 130
o-Terphenyl	127		70 - 130

Lab Sample ID: LCSD 880-131853/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 132359 — **Prep Batch: 131853**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1155		mg/Kg		116	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	1000	1053		mg/Kg		105	70 - 130	5	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	124		70 - 130
o-Terphenyl	135	S1+	70 - 130

Lab Sample ID: MB 880-131854/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 132360 — **Prep Batch: 131854**

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		02/15/26 19:25	02/20/26 01:00	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/15/26 19:25	02/20/26 01:00	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/15/26 19:25	02/20/26 01:00	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	107		70 - 130	02/15/26 19:25	02/20/26 01:00	1
o-Terphenyl	114		70 - 130	02/15/26 19:25	02/20/26 01:00	1

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit #44H

Job ID: 890-9513-1
SDG: Eddy County, NM

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

Lab Sample ID: LCS 880-131854/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 132360 — **Prep Batch: 131854**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	1074		mg/Kg		107	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1045		mg/Kg		104	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*105*		*70 - 130*
o-Terphenyl	*111*		*70 - 130*

Lab Sample ID: LCSD 880-131854/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 132360 — **Prep Batch: 131854**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	973.8		mg/Kg		97	70 - 130	10	20
Diesel Range Organics (Over C10-C28)			1000	971.9		mg/Kg		97	70 - 130	7	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*96*		*70 - 130*
o-Terphenyl	*102*		*70 - 130*

Lab Sample ID: 890-9513-13 MS — **Client Sample ID: CS-13 .25**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 132360 — **Prep Batch: 131854**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	<50.2	U	998	1004		mg/Kg		101	70 - 130		
Diesel Range Organics (Over C10-C28)	<50.2	U	998	905.9		mg/Kg		91	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*85*		*70 - 130*
o-Terphenyl	*82*		*70 - 130*

Lab Sample ID: 890-9513-13 MSD — **Client Sample ID: CS-13 .25**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 132360 — **Prep Batch: 131854**

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	<50.2	U	998	850.9		mg/Kg		85	70 - 130	16	20
Diesel Range Organics (Over C10-C28)	<50.2	U	998	886.9		mg/Kg		89	70 - 130	2	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*74*		*70 - 130*

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit #44H

Job ID: 890-9513-1
SDG: Eddy County, NM

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

Lab Sample ID: 890-9513-13 MSD
Matrix: Solid
Analysis Batch: 132360

Client Sample ID: CS-13 .25
Prep Type: Total/NA
Prep Batch: 131854

Surrogate	MSD %Recovery	MSD Qualifier	Limits
o-Terphenyl	75		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-132115/1-A
Matrix: Solid
Analysis Batch: 132123

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			02/17/26 23:59	1

Lab Sample ID: LCS 880-132115/2-A
Matrix: Solid
Analysis Batch: 132123

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	258.0		mg/Kg		103	90 - 110		

Lab Sample ID: LCSD 880-132115/3-A
Matrix: Solid
Analysis Batch: 132123

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	255.9		mg/Kg		102	90 - 110	1	20

Lab Sample ID: 890-9513-3 MS
Matrix: Solid
Analysis Batch: 132123

Client Sample ID: CS-3 .25
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	1390	F1	1260	2799	F1	mg/Kg		112	90 - 110		

Lab Sample ID: 890-9513-3 MSD
Matrix: Solid
Analysis Batch: 132123

Client Sample ID: CS-3 .25
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	1390	F1	1260	2857	F1	mg/Kg		117	90 - 110	2	20

Lab Sample ID: 890-9513-13 MS
Matrix: Solid
Analysis Batch: 132123

Client Sample ID: CS-13 .25
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	372		249	603.0		mg/Kg		93	90 - 110		

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit #44H

Job ID: 890-9513-1
SDG: Eddy County, NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 890-9513-13 MSD — **Client Sample ID: CS-13 .25**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 132123

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	372		249	601.3		mg/Kg		92	90 - 110	0	20

Lab Sample ID: MB 880-132112/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 132125

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			02/17/26 16:06	1

Lab Sample ID: LCS 880-132112/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 132125

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	227.3		mg/Kg		91	90 - 110

Lab Sample ID: LCSD 880-132112/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 132125

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	226.9		mg/Kg		91	90 - 110	0	20

Lab Sample ID: 890-9513-1 MS — **Client Sample ID: CS-1 .25**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 132125

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	1430		1250	2684		mg/Kg		100	90 - 110

Lab Sample ID: 890-9513-1 MSD — **Client Sample ID: CS-1 .25**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 132125

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	1430		1250	2682		mg/Kg		100	90 - 110	0	20

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit #44H

Job ID: 890-9513-1
SDG: Eddy County, NM

GC VOA

Prep Batch: 132487

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-132487/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 132521

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9513-1	CS-1 .25	Total/NA	Solid	5035	
890-9513-2	CS-2 .25	Total/NA	Solid	5035	
890-9513-3	CS-3 .25	Total/NA	Solid	5035	
890-9513-4	CS-4 .25	Total/NA	Solid	5035	
890-9513-5	CS-5 .25	Total/NA	Solid	5035	
890-9513-6	CS-6 .25	Total/NA	Solid	5035	
890-9513-7	CS-7 .25	Total/NA	Solid	5035	
890-9513-8	CS-8 .25	Total/NA	Solid	5035	
890-9513-9	CS-9 .25	Total/NA	Solid	5035	
890-9513-10	CS-10 .25	Total/NA	Solid	5035	
890-9513-11	CS-11 .25	Total/NA	Solid	5035	
890-9513-12	CS-12 .25	Total/NA	Solid	5035	
890-9513-13	CS-13 .25	Total/NA	Solid	5035	
890-9513-14	CS-14 .25	Total/NA	Solid	5035	
890-9513-15	CS-15 .25	Total/NA	Solid	5035	
890-9513-16	CS-16 .25	Total/NA	Solid	5035	
890-9513-17	CS-17 .25	Total/NA	Solid	5035	
890-9513-18	CS-18 .25	Total/NA	Solid	5035	
890-9513-19	CS-19 .25	Total/NA	Solid	5035	
890-9513-20	CS-20 .25	Total/NA	Solid	5035	
MB 880-132521/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-132521/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-132521/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-9513-1 MS	CS-1 .25	Total/NA	Solid	5035	
890-9513-1 MSD	CS-1 .25	Total/NA	Solid	5035	

Prep Batch: 132526

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9513-21	CS-21 .25	Total/NA	Solid	5035	
MB 880-132526/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-132526/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-132526/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 132636

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9513-1	CS-1 .25	Total/NA	Solid	8021B	132521
890-9513-2	CS-2 .25	Total/NA	Solid	8021B	132521
890-9513-3	CS-3 .25	Total/NA	Solid	8021B	132521
890-9513-4	CS-4 .25	Total/NA	Solid	8021B	132521
890-9513-5	CS-5 .25	Total/NA	Solid	8021B	132521
890-9513-6	CS-6 .25	Total/NA	Solid	8021B	132521
890-9513-7	CS-7 .25	Total/NA	Solid	8021B	132521
890-9513-8	CS-8 .25	Total/NA	Solid	8021B	132521
890-9513-9	CS-9 .25	Total/NA	Solid	8021B	132521
890-9513-10	CS-10 .25	Total/NA	Solid	8021B	132521
890-9513-11	CS-11 .25	Total/NA	Solid	8021B	132521
890-9513-12	CS-12 .25	Total/NA	Solid	8021B	132521

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit #44H

Job ID: 890-9513-1
SDG: Eddy County, NM

GC VOA (Continued)

Analysis Batch: 132636 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9513-13	CS-13 .25	Total/NA	Solid	8021B	132521
890-9513-14	CS-14 .25	Total/NA	Solid	8021B	132521
890-9513-15	CS-15 .25	Total/NA	Solid	8021B	132521
890-9513-16	CS-16 .25	Total/NA	Solid	8021B	132521
890-9513-17	CS-17 .25	Total/NA	Solid	8021B	132521
890-9513-18	CS-18 .25	Total/NA	Solid	8021B	132521
890-9513-19	CS-19 .25	Total/NA	Solid	8021B	132521
890-9513-20	CS-20 .25	Total/NA	Solid	8021B	132521
MB 880-132487/5-A	Method Blank	Total/NA	Solid	8021B	132487
MB 880-132521/5-A	Method Blank	Total/NA	Solid	8021B	132521
LCS 880-132521/1-A	Lab Control Sample	Total/NA	Solid	8021B	132521
LCSD 880-132521/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	132521
890-9513-1 MS	CS-1 .25	Total/NA	Solid	8021B	132521
890-9513-1 MSD	CS-1 .25	Total/NA	Solid	8021B	132521

Analysis Batch: 132660

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9513-21	CS-21 .25	Total/NA	Solid	8021B	132526
MB 880-132526/5-A	Method Blank	Total/NA	Solid	8021B	132526
LCS 880-132526/1-A	Lab Control Sample	Total/NA	Solid	8021B	132526
LCSD 880-132526/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	132526

Analysis Batch: 132781

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9513-1	CS-1 .25	Total/NA	Solid	Total BTEX	
890-9513-2	CS-2 .25	Total/NA	Solid	Total BTEX	
890-9513-3	CS-3 .25	Total/NA	Solid	Total BTEX	
890-9513-4	CS-4 .25	Total/NA	Solid	Total BTEX	
890-9513-5	CS-5 .25	Total/NA	Solid	Total BTEX	
890-9513-6	CS-6 .25	Total/NA	Solid	Total BTEX	
890-9513-7	CS-7 .25	Total/NA	Solid	Total BTEX	
890-9513-8	CS-8 .25	Total/NA	Solid	Total BTEX	
890-9513-9	CS-9 .25	Total/NA	Solid	Total BTEX	
890-9513-10	CS-10 .25	Total/NA	Solid	Total BTEX	
890-9513-11	CS-11 .25	Total/NA	Solid	Total BTEX	
890-9513-12	CS-12 .25	Total/NA	Solid	Total BTEX	
890-9513-13	CS-13 .25	Total/NA	Solid	Total BTEX	
890-9513-14	CS-14 .25	Total/NA	Solid	Total BTEX	
890-9513-15	CS-15 .25	Total/NA	Solid	Total BTEX	
890-9513-16	CS-16 .25	Total/NA	Solid	Total BTEX	
890-9513-17	CS-17 .25	Total/NA	Solid	Total BTEX	
890-9513-18	CS-18 .25	Total/NA	Solid	Total BTEX	
890-9513-19	CS-19 .25	Total/NA	Solid	Total BTEX	
890-9513-20	CS-20 .25	Total/NA	Solid	Total BTEX	
890-9513-21	CS-21 .25	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 131853

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9513-1	CS-1 .25	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit #44H

Job ID: 890-9513-1
SDG: Eddy County, NM

GC Semi VOA (Continued)

Prep Batch: 131853 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9513-2	CS-2 .25	Total/NA	Solid	8015NM Prep	
890-9513-3	CS-3 .25	Total/NA	Solid	8015NM Prep	
890-9513-4	CS-4 .25	Total/NA	Solid	8015NM Prep	
890-9513-5	CS-5 .25	Total/NA	Solid	8015NM Prep	
890-9513-6	CS-6 .25	Total/NA	Solid	8015NM Prep	
890-9513-7	CS-7 .25	Total/NA	Solid	8015NM Prep	
890-9513-8	CS-8 .25	Total/NA	Solid	8015NM Prep	
890-9513-9	CS-9 .25	Total/NA	Solid	8015NM Prep	
890-9513-10	CS-10 .25	Total/NA	Solid	8015NM Prep	
890-9513-11	CS-11 .25	Total/NA	Solid	8015NM Prep	
890-9513-12	CS-12 .25	Total/NA	Solid	8015NM Prep	
MB 880-131853/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-131853/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-131853/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Prep Batch: 131854

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9513-13	CS-13 .25	Total/NA	Solid	8015NM Prep	
890-9513-14	CS-14 .25	Total/NA	Solid	8015NM Prep	
890-9513-15	CS-15 .25	Total/NA	Solid	8015NM Prep	
890-9513-16	CS-16 .25	Total/NA	Solid	8015NM Prep	
890-9513-17	CS-17 .25	Total/NA	Solid	8015NM Prep	
890-9513-18	CS-18 .25	Total/NA	Solid	8015NM Prep	
890-9513-19	CS-19 .25	Total/NA	Solid	8015NM Prep	
890-9513-20	CS-20 .25	Total/NA	Solid	8015NM Prep	
890-9513-21	CS-21 .25	Total/NA	Solid	8015NM Prep	
MB 880-131854/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-131854/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-131854/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-9513-13 MS	CS-13 .25	Total/NA	Solid	8015NM Prep	
890-9513-13 MSD	CS-13 .25	Total/NA	Solid	8015NM Prep	

Analysis Batch: 132359

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9513-1	CS-1 .25	Total/NA	Solid	8015B NM	131853
890-9513-2	CS-2 .25	Total/NA	Solid	8015B NM	131853
890-9513-3	CS-3 .25	Total/NA	Solid	8015B NM	131853
890-9513-4	CS-4 .25	Total/NA	Solid	8015B NM	131853
890-9513-5	CS-5 .25	Total/NA	Solid	8015B NM	131853
890-9513-6	CS-6 .25	Total/NA	Solid	8015B NM	131853
890-9513-7	CS-7 .25	Total/NA	Solid	8015B NM	131853
890-9513-8	CS-8 .25	Total/NA	Solid	8015B NM	131853
890-9513-9	CS-9 .25	Total/NA	Solid	8015B NM	131853
890-9513-10	CS-10 .25	Total/NA	Solid	8015B NM	131853
890-9513-11	CS-11 .25	Total/NA	Solid	8015B NM	131853
890-9513-12	CS-12 .25	Total/NA	Solid	8015B NM	131853
MB 880-131853/1-A	Method Blank	Total/NA	Solid	8015B NM	131853
LCS 880-131853/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	131853
LCSD 880-131853/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	131853

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit #44H

Job ID: 890-9513-1
SDG: Eddy County, NM

GC Semi VOA

Analysis Batch: 132360

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9513-13	CS-13 .25	Total/NA	Solid	8015B NM	131854
890-9513-14	CS-14 .25	Total/NA	Solid	8015B NM	131854
890-9513-15	CS-15 .25	Total/NA	Solid	8015B NM	131854
890-9513-16	CS-16 .25	Total/NA	Solid	8015B NM	131854
890-9513-17	CS-17 .25	Total/NA	Solid	8015B NM	131854
890-9513-18	CS-18 .25	Total/NA	Solid	8015B NM	131854
890-9513-19	CS-19 .25	Total/NA	Solid	8015B NM	131854
890-9513-20	CS-20 .25	Total/NA	Solid	8015B NM	131854
890-9513-21	CS-21 .25	Total/NA	Solid	8015B NM	131854
MB 880-131854/1-A	Method Blank	Total/NA	Solid	8015B NM	131854
LCS 880-131854/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	131854
LCSD 880-131854/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	131854
890-9513-13 MS	CS-13 .25	Total/NA	Solid	8015B NM	131854
890-9513-13 MSD	CS-13 .25	Total/NA	Solid	8015B NM	131854

Analysis Batch: 132493

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9513-1	CS-1 .25	Total/NA	Solid	8015 NM	
890-9513-2	CS-2 .25	Total/NA	Solid	8015 NM	
890-9513-3	CS-3 .25	Total/NA	Solid	8015 NM	
890-9513-4	CS-4 .25	Total/NA	Solid	8015 NM	
890-9513-5	CS-5 .25	Total/NA	Solid	8015 NM	
890-9513-6	CS-6 .25	Total/NA	Solid	8015 NM	
890-9513-7	CS-7 .25	Total/NA	Solid	8015 NM	
890-9513-8	CS-8 .25	Total/NA	Solid	8015 NM	
890-9513-9	CS-9 .25	Total/NA	Solid	8015 NM	
890-9513-10	CS-10 .25	Total/NA	Solid	8015 NM	
890-9513-11	CS-11 .25	Total/NA	Solid	8015 NM	
890-9513-12	CS-12 .25	Total/NA	Solid	8015 NM	
890-9513-13	CS-13 .25	Total/NA	Solid	8015 NM	
890-9513-14	CS-14 .25	Total/NA	Solid	8015 NM	
890-9513-15	CS-15 .25	Total/NA	Solid	8015 NM	
890-9513-16	CS-16 .25	Total/NA	Solid	8015 NM	
890-9513-17	CS-17 .25	Total/NA	Solid	8015 NM	
890-9513-18	CS-18 .25	Total/NA	Solid	8015 NM	
890-9513-19	CS-19 .25	Total/NA	Solid	8015 NM	
890-9513-20	CS-20 .25	Total/NA	Solid	8015 NM	
890-9513-21	CS-21 .25	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 132112

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9513-1	CS-1 .25	Soluble	Solid	DI Leach	
890-9513-2	CS-2 .25	Soluble	Solid	DI Leach	
MB 880-132112/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-132112/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-132112/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-9513-1 MS	CS-1 .25	Soluble	Solid	DI Leach	
890-9513-1 MSD	CS-1 .25	Soluble	Solid	DI Leach	

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit #44H

Job ID: 890-9513-1
SDG: Eddy County, NM

HPLC/IC

Leach Batch: 132115

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9513-3	CS-3 .25	Soluble	Solid	DI Leach	
890-9513-4	CS-4 .25	Soluble	Solid	DI Leach	
890-9513-5	CS-5 .25	Soluble	Solid	DI Leach	
890-9513-6	CS-6 .25	Soluble	Solid	DI Leach	
890-9513-7	CS-7 .25	Soluble	Solid	DI Leach	
890-9513-8	CS-8 .25	Soluble	Solid	DI Leach	
890-9513-9	CS-9 .25	Soluble	Solid	DI Leach	
890-9513-10	CS-10 .25	Soluble	Solid	DI Leach	
890-9513-11	CS-11 .25	Soluble	Solid	DI Leach	
890-9513-12	CS-12 .25	Soluble	Solid	DI Leach	
890-9513-13	CS-13 .25	Soluble	Solid	DI Leach	
890-9513-14	CS-14 .25	Soluble	Solid	DI Leach	
890-9513-15	CS-15 .25	Soluble	Solid	DI Leach	
890-9513-16	CS-16 .25	Soluble	Solid	DI Leach	
890-9513-17	CS-17 .25	Soluble	Solid	DI Leach	
890-9513-18	CS-18 .25	Soluble	Solid	DI Leach	
890-9513-19	CS-19 .25	Soluble	Solid	DI Leach	
890-9513-20	CS-20 .25	Soluble	Solid	DI Leach	
890-9513-21	CS-21 .25	Soluble	Solid	DI Leach	
MB 880-132115/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-132115/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-132115/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-9513-3 MS	CS-3 .25	Soluble	Solid	DI Leach	
890-9513-3 MSD	CS-3 .25	Soluble	Solid	DI Leach	
890-9513-13 MS	CS-13 .25	Soluble	Solid	DI Leach	
890-9513-13 MSD	CS-13 .25	Soluble	Solid	DI Leach	

Analysis Batch: 132123

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9513-3	CS-3 .25	Soluble	Solid	300.0	132115
890-9513-4	CS-4 .25	Soluble	Solid	300.0	132115
890-9513-5	CS-5 .25	Soluble	Solid	300.0	132115
890-9513-6	CS-6 .25	Soluble	Solid	300.0	132115
890-9513-7	CS-7 .25	Soluble	Solid	300.0	132115
890-9513-8	CS-8 .25	Soluble	Solid	300.0	132115
890-9513-9	CS-9 .25	Soluble	Solid	300.0	132115
890-9513-10	CS-10 .25	Soluble	Solid	300.0	132115
890-9513-11	CS-11 .25	Soluble	Solid	300.0	132115
890-9513-12	CS-12 .25	Soluble	Solid	300.0	132115
890-9513-13	CS-13 .25	Soluble	Solid	300.0	132115
890-9513-14	CS-14 .25	Soluble	Solid	300.0	132115
890-9513-15	CS-15 .25	Soluble	Solid	300.0	132115
890-9513-16	CS-16 .25	Soluble	Solid	300.0	132115
890-9513-17	CS-17 .25	Soluble	Solid	300.0	132115
890-9513-18	CS-18 .25	Soluble	Solid	300.0	132115
890-9513-19	CS-19 .25	Soluble	Solid	300.0	132115
890-9513-20	CS-20 .25	Soluble	Solid	300.0	132115
890-9513-21	CS-21 .25	Soluble	Solid	300.0	132115
MB 880-132115/1-A	Method Blank	Soluble	Solid	300.0	132115
LCS 880-132115/2-A	Lab Control Sample	Soluble	Solid	300.0	132115
LCSD 880-132115/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	132115

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit #44H

Job ID: 890-9513-1
SDG: Eddy County, NM

HPLC/IC (Continued)

Analysis Batch: 132123 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9513-3 MS	CS-3 .25	Soluble	Solid	300.0	132115
890-9513-3 MSD	CS-3 .25	Soluble	Solid	300.0	132115
890-9513-13 MS	CS-13 .25	Soluble	Solid	300.0	132115
890-9513-13 MSD	CS-13 .25	Soluble	Solid	300.0	132115

Analysis Batch: 132125

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9513-1	CS-1 .25	Soluble	Solid	300.0	132112
890-9513-2	CS-2 .25	Soluble	Solid	300.0	132112
MB 880-132112/1-A	Method Blank	Soluble	Solid	300.0	132112
LCS 880-132112/2-A	Lab Control Sample	Soluble	Solid	300.0	132112
LCSD 880-132112/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	132112
890-9513-1 MS	CS-1 .25	Soluble	Solid	300.0	132112
890-9513-1 MSD	CS-1 .25	Soluble	Solid	300.0	132112

Lab Chronicle

Client: Earth Systems Response and Restoration
Job ID: 890-9513-1
Project/Site: Ross Draw Unit #44H
SDG: Eddy County, NM

Client Sample ID: CS-1 .25
Lab Sample ID: 890-9513-1
Date Collected: 02/13/26 10:30
Matrix: Solid
Date Received: 02/13/26 15:36

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	132521	02/20/26 11:32	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	132636	02/22/26 10:51	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			132781	02/22/26 10:51	SA	EET MID
Total/NA	Analysis	8015 NM		1			132493	02/20/26 04:15	SA	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10.00 mL	131853	02/15/26 19:23	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	132359	02/20/26 04:15	SA	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	132112	02/17/26 12:58	SA	EET MID
Soluble	Analysis	300.0		5			132125	02/17/26 17:35	CS	EET MID

Client Sample ID: CS-2 .25
Lab Sample ID: 890-9513-2
Date Collected: 02/13/26 10:35
Matrix: Solid
Date Received: 02/13/26 15:36

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	132521	02/20/26 11:32	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	132636	02/22/26 11:11	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			132781	02/22/26 11:11	SA	EET MID
Total/NA	Analysis	8015 NM		1			132493	02/20/26 04:31	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	131853	02/15/26 19:23	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	132359	02/20/26 04:31	SA	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	132112	02/17/26 12:58	SA	EET MID
Soluble	Analysis	300.0		1			132125	02/17/26 17:50	CS	EET MID

Client Sample ID: CS-3 .25
Lab Sample ID: 890-9513-3
Date Collected: 02/13/26 10:40
Matrix: Solid
Date Received: 02/13/26 15:36

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	132521	02/20/26 11:32	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	132636	02/22/26 11:32	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			132781	02/22/26 11:32	SA	EET MID
Total/NA	Analysis	8015 NM		1			132493	02/20/26 05:02	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	131853	02/15/26 19:23	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	132359	02/20/26 05:02	SA	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	132115	02/17/26 13:00	SA	EET MID
Soluble	Analysis	300.0		5			132123	02/18/26 00:19	CS	EET MID

Client Sample ID: CS-4 .25
Lab Sample ID: 890-9513-4
Date Collected: 02/13/26 10:45
Matrix: Solid
Date Received: 02/13/26 15:36

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	132521	02/20/26 11:32	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	132636	02/22/26 11:52	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			132781	02/22/26 11:52	SA	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Earth Systems Response and Restoration
Job ID: 890-9513-1
Project/Site: Ross Draw Unit #44H
SDG: Eddy County, NM

Client Sample ID: CS-4 .25
Lab Sample ID: 890-9513-4
Date Collected: 02/13/26 10:45
Matrix: Solid
Date Received: 02/13/26 15:36

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			132493	02/20/26 05:16	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	131853	02/15/26 19:23	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	132359	02/20/26 05:16	SA	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	132115	02/17/26 13:00	SA	EET MID
Soluble	Analysis	300.0		1			132123	02/18/26 00:35	CS	EET MID

Client Sample ID: CS-5 .25
Lab Sample ID: 890-9513-5
Date Collected: 02/13/26 10:50
Matrix: Solid
Date Received: 02/13/26 15:36

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	132521	02/20/26 11:32	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	132636	02/22/26 12:13	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			132781	02/22/26 12:13	SA	EET MID
Total/NA	Analysis	8015 NM		1			132493	02/20/26 05:32	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	131853	02/15/26 19:23	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	132359	02/20/26 05:32	SA	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	132115	02/17/26 13:00	SA	EET MID
Soluble	Analysis	300.0		5			132123	02/18/26 09:22	CS	EET MID

Client Sample ID: CS-6 .25
Lab Sample ID: 890-9513-6
Date Collected: 02/13/26 10:55
Matrix: Solid
Date Received: 02/13/26 15:36

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	132521	02/20/26 11:32	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	132636	02/22/26 12:33	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			132781	02/22/26 12:33	SA	EET MID
Total/NA	Analysis	8015 NM		1			132493	02/20/26 05:47	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10.00 mL	131853	02/15/26 19:23	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	132359	02/20/26 05:47	SA	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	132115	02/17/26 13:00	SA	EET MID
Soluble	Analysis	300.0		1			132123	02/18/26 00:43	CS	EET MID

Client Sample ID: CS-7 .25
Lab Sample ID: 890-9513-7
Date Collected: 02/13/26 11:00
Matrix: Solid
Date Received: 02/13/26 15:36

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	132521	02/20/26 11:32	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	132636	02/22/26 12:54	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			132781	02/22/26 12:54	SA	EET MID
Total/NA	Analysis	8015 NM		1			132493	02/20/26 06:02	SA	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10.00 mL	131853	02/15/26 19:23	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	132359	02/20/26 06:02	SA	EET MID

Lab Chronicle

Client: Earth Systems Response and Restoration
Job ID: 890-9513-1
Project/Site: Ross Draw Unit #44H
SDG: Eddy County, NM

Client Sample ID: CS-7 .25
Lab Sample ID: 890-9513-7
Date Collected: 02/13/26 11:00
Matrix: Solid
Date Received: 02/13/26 15:36

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.02 g	50 mL	132115	02/17/26 13:00	SA	EET MID
Soluble	Analysis	300.0		5			132123	02/18/26 00:50	CS	EET MID

Client Sample ID: CS-8 .25
Lab Sample ID: 890-9513-8
Date Collected: 02/13/26 11:05
Matrix: Solid
Date Received: 02/13/26 15:36

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	132521	02/20/26 11:32	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	132636	02/22/26 13:14	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			132781	02/22/26 13:14	SA	EET MID
Total/NA	Analysis	8015 NM		1			132493	02/20/26 06:17	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	131853	02/15/26 19:23	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	132359	02/20/26 06:17	SA	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	132115	02/17/26 13:00	SA	EET MID
Soluble	Analysis	300.0		1			132123	02/18/26 01:10	CS	EET MID

Client Sample ID: CS-9 .25
Lab Sample ID: 890-9513-9
Date Collected: 02/13/26 11:10
Matrix: Solid
Date Received: 02/13/26 15:36

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	132521	02/20/26 11:32	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	132636	02/22/26 13:35	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			132781	02/22/26 13:35	SA	EET MID
Total/NA	Analysis	8015 NM		1			132493	02/20/26 06:32	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	131853	02/15/26 19:23	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	132359	02/20/26 06:32	SA	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	132115	02/17/26 13:00	SA	EET MID
Soluble	Analysis	300.0		5			132123	02/18/26 01:16	CS	EET MID

Client Sample ID: CS-10 .25
Lab Sample ID: 890-9513-10
Date Collected: 02/13/26 11:15
Matrix: Solid
Date Received: 02/13/26 15:36

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	132521	02/20/26 11:32	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	132636	02/22/26 13:55	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			132781	02/22/26 13:55	SA	EET MID
Total/NA	Analysis	8015 NM		1			132493	02/20/26 06:48	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	131853	02/15/26 19:23	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	132359	02/20/26 06:48	SA	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	132115	02/17/26 13:00	SA	EET MID
Soluble	Analysis	300.0		1			132123	02/18/26 01:23	CS	EET MID

Lab Chronicle

Client: Earth Systems Response and Restoration
Job ID: 890-9513-1
Project/Site: Ross Draw Unit #44H
SDG: Eddy County, NM

Client Sample ID: CS-11 .25
Lab Sample ID: 890-9513-11
Date Collected: 02/13/26 11:20
Matrix: Solid
Date Received: 02/13/26 15:36

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	132521	02/20/26 11:32	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	132636	02/22/26 15:45	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			132781	02/22/26 15:45	SA	EET MID
Total/NA	Analysis	8015 NM		1			132493	02/20/26 07:03	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	131853	02/15/26 19:23	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	132359	02/20/26 07:03	SA	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	132115	02/17/26 13:00	SA	EET MID
Soluble	Analysis	300.0		1			132123	02/18/26 01:30	CS	EET MID

Client Sample ID: CS-12 .25
Lab Sample ID: 890-9513-12
Date Collected: 02/13/26 11:25
Matrix: Solid
Date Received: 02/13/26 15:36

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	132521	02/20/26 11:32	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	132636	02/22/26 16:06	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			132781	02/22/26 16:06	SA	EET MID
Total/NA	Analysis	8015 NM		1			132493	02/20/26 07:19	SA	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10.00 mL	131853	02/15/26 19:23	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	132359	02/20/26 07:19	SA	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	132115	02/17/26 13:00	SA	EET MID
Soluble	Analysis	300.0		10			132123	02/18/26 01:36	CS	EET MID

Client Sample ID: CS-13 .25
Lab Sample ID: 890-9513-13
Date Collected: 02/13/26 11:30
Matrix: Solid
Date Received: 02/13/26 15:36

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	132521	02/20/26 11:32	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	132636	02/22/26 16:26	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			132781	02/22/26 16:26	SA	EET MID
Total/NA	Analysis	8015 NM		1			132493	02/20/26 01:45	SA	EET MID
Total/NA	Prep	8015NM Prep			9.96 g	10.00 mL	131854	02/15/26 19:26	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	132360	02/20/26 01:45	SA	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	132115	02/17/26 13:00	SA	EET MID
Soluble	Analysis	300.0		1			132123	02/18/26 01:43	CS	EET MID

Client Sample ID: CS-14 .25
Lab Sample ID: 890-9513-14
Date Collected: 02/13/26 11:35
Matrix: Solid
Date Received: 02/13/26 15:36

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	132521	02/20/26 11:32	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	132636	02/22/26 16:47	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			132781	02/22/26 16:47	SA	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Earth Systems Response and Restoration
Job ID: 890-9513-1
Project/Site: Ross Draw Unit #44H
SDG: Eddy County, NM

Client Sample ID: CS-14 .25
Lab Sample ID: 890-9513-14
Date Collected: 02/13/26 11:35
Matrix: Solid
Date Received: 02/13/26 15:36

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			132493	02/20/26 02:30	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	131854	02/15/26 19:26	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	132360	02/20/26 02:30	SA	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	132115	02/17/26 13:00	SA	EET MID
Soluble	Analysis	300.0		10			132123	02/18/26 02:03	CS	EET MID

Client Sample ID: CS-15 .25
Lab Sample ID: 890-9513-15
Date Collected: 02/13/26 11:40
Matrix: Solid
Date Received: 02/13/26 15:36

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	132521	02/20/26 11:32	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	132636	02/22/26 17:07	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			132781	02/22/26 17:07	SA	EET MID
Total/NA	Analysis	8015 NM		1			132493	02/20/26 02:45	SA	EET MID
Total/NA	Prep	8015NM Prep			9.97 g	10.00 mL	131854	02/15/26 19:26	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	132360	02/20/26 02:45	SA	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	132115	02/17/26 13:00	SA	EET MID
Soluble	Analysis	300.0		5			132123	02/18/26 02:10	CS	EET MID

Client Sample ID: CS-16 .25
Lab Sample ID: 890-9513-16
Date Collected: 02/13/26 11:45
Matrix: Solid
Date Received: 02/13/26 15:36

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	132521	02/20/26 11:32	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	132636	02/22/26 17:27	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			132781	02/22/26 17:27	SA	EET MID
Total/NA	Analysis	8015 NM		1			132493	02/20/26 03:00	SA	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10.00 mL	131854	02/15/26 19:26	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	132360	02/20/26 03:00	SA	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	132115	02/17/26 13:00	SA	EET MID
Soluble	Analysis	300.0		10			132123	02/18/26 02:30	CS	EET MID

Client Sample ID: CS-17 .25
Lab Sample ID: 890-9513-17
Date Collected: 02/13/26 11:50
Matrix: Solid
Date Received: 02/13/26 15:36

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	132521	02/20/26 11:32	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	132636	02/22/26 17:48	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			132781	02/22/26 17:48	SA	EET MID
Total/NA	Analysis	8015 NM		1			132493	02/20/26 03:15	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	131854	02/15/26 19:26	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	132360	02/20/26 03:15	SA	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Earth Systems Response and Restoration
Job ID: 890-9513-1
Project/Site: Ross Draw Unit #44H
SDG: Eddy County, NM

Client Sample ID: CS-17 .25
Lab Sample ID: 890-9513-17
Date Collected: 02/13/26 11:50
Matrix: Solid
Date Received: 02/13/26 15:36

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	132115	02/17/26 13:00	SA	EET MID
Soluble	Analysis	300.0		1			132123	02/18/26 09:29	CS	EET MID

Client Sample ID: CS-18 .25
Lab Sample ID: 890-9513-18
Date Collected: 02/13/26 11:55
Matrix: Solid
Date Received: 02/13/26 15:36

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	132521	02/20/26 11:32	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	132636	02/22/26 18:08	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			132781	02/22/26 18:08	SA	EET MID
Total/NA	Analysis	8015 NM		1			132493	02/20/26 03:30	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	131854	02/15/26 19:26	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	132360	02/20/26 03:30	SA	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	132115	02/17/26 13:00	SA	EET MID
Soluble	Analysis	300.0		5			132123	02/18/26 09:36	CS	EET MID

Client Sample ID: CS-19 .25
Lab Sample ID: 890-9513-19
Date Collected: 02/13/26 12:00
Matrix: Solid
Date Received: 02/13/26 15:36

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	132521	02/20/26 11:32	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	132636	02/22/26 18:29	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			132781	02/22/26 18:29	SA	EET MID
Total/NA	Analysis	8015 NM		1			132493	02/20/26 03:45	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10.00 mL	131854	02/15/26 19:26	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	132360	02/20/26 03:45	SA	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	132115	02/17/26 13:00	SA	EET MID
Soluble	Analysis	300.0		1			132123	02/18/26 09:55	CS	EET MID

Client Sample ID: CS-20 .25
Lab Sample ID: 890-9513-20
Date Collected: 02/13/26 12:05
Matrix: Solid
Date Received: 02/13/26 15:36

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	132521	02/20/26 11:32	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	132636	02/22/26 18:49	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			132781	02/22/26 18:49	SA	EET MID
Total/NA	Analysis	8015 NM		1			132493	02/20/26 04:00	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	131854	02/15/26 19:26	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	132360	02/20/26 04:00	SA	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	132115	02/17/26 13:00	SA	EET MID
Soluble	Analysis	300.0		1			132123	02/18/26 02:42	CS	EET MID

Lab Chronicle

Client: Earth Systems Response and Restoration
Job ID: 890-9513-1
Project/Site: Ross Draw Unit #44H
SDG: Eddy County, NM

Client Sample ID: CS-21 .25
Lab Sample ID: 890-9513-21

Date Collected: 02/13/26 12:10
Matrix: Solid
Date Received: 02/13/26 15:36

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	132526	02/20/26 11:38	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	132660	02/23/26 17:44	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			132781	02/23/26 17:44	SA	EET MID
Total/NA	Analysis	8015 NM		1			132493	02/20/26 04:15	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10.00 mL	131854	02/15/26 19:26	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	132360	02/20/26 04:15	SA	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	132115	02/17/26 13:00	SA	EET MID
Soluble	Analysis	300.0		1			132123	02/18/26 10:01	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: 890-9513-1
Project/Site: Ross Draw Unit #44H
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: Ross Draw Unit #44H

Job ID: 890-9513-1
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: Ross Draw Unit #44H

Job ID: 890-9513-1
SDG: Eddy County, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-9513-1	CS-1 .25	Solid	02/13/26 10:30	02/13/26 15:36	.25
890-9513-2	CS-2 .25	Solid	02/13/26 10:35	02/13/26 15:36	.25
890-9513-3	CS-3 .25	Solid	02/13/26 10:40	02/13/26 15:36	.25
890-9513-4	CS-4 .25	Solid	02/13/26 10:45	02/13/26 15:36	.25
890-9513-5	CS-5 .25	Solid	02/13/26 10:50	02/13/26 15:36	.25
890-9513-6	CS-6 .25	Solid	02/13/26 10:55	02/13/26 15:36	.25
890-9513-7	CS-7 .25	Solid	02/13/26 11:00	02/13/26 15:36	.25
890-9513-8	CS-8 .25	Solid	02/13/26 11:05	02/13/26 15:36	.25
890-9513-9	CS-9 .25	Solid	02/13/26 11:10	02/13/26 15:36	.25
890-9513-10	CS-10 .25	Solid	02/13/26 11:15	02/13/26 15:36	.25
890-9513-11	CS-11 .25	Solid	02/13/26 11:20	02/13/26 15:36	.25
890-9513-12	CS-12 .25	Solid	02/13/26 11:25	02/13/26 15:36	.25
890-9513-13	CS-13 .25	Solid	02/13/26 11:30	02/13/26 15:36	.25
890-9513-14	CS-14 .25	Solid	02/13/26 11:35	02/13/26 15:36	.25
890-9513-15	CS-15 .25	Solid	02/13/26 11:40	02/13/26 15:36	.25
890-9513-16	CS-16 .25	Solid	02/13/26 11:45	02/13/26 15:36	.25
890-9513-17	CS-17 .25	Solid	02/13/26 11:50	02/13/26 15:36	.25
890-9513-18	CS-18 .25	Solid	02/13/26 11:55	02/13/26 15:36	.25
890-9513-19	CS-19 .25	Solid	02/13/26 12:00	02/13/26 15:36	.25
890-9513-20	CS-20 .25	Solid	02/13/26 12:05	02/13/26 15:36	.25
890-9513-21	CS-21 .25	Solid	02/13/26 12:10	02/13/26 15:36	.25

Released to Imaging: 6/3/2026 2:28:14 PM
Received by OCD: 5/18/2026 12:12:15 PM

(1)

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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

890-9513 Chain of Custody

www.xenco.com

Project Manager:	Gilbert Moreno	Bill to: (if different)	~~Earth Systems R & R~~
Company Name:	Earth Systems R&R	Company Name:	DEVON Energy
Address:	1910 Resource Ct.	Address:	Jim Raley
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:	Ross Draw Unit #44H	Turn Around	☒ Routine ☐ Rush
Project Number:	VP-155	Due Date:	
Project Location:	Eddy Cnty, NM	TAT starts the day received by the lab, if received by 4:30pm	
Sampler's Name:	Evan B		
PO/ WO #:			

SAMPLE RECEIPT			
Temp Blank:	(Yes) No	Wet Ice:	(Yes) No
Samples Received Intact:	(Yes) No	Thermometer ID:	TMH007
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-0.2
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	41.2
Total Containers:		Corrected Temperature:	41.0

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	Grab/ Comp	# of Cont	Pres. Code	TPH	Chloride	BTEX	TDS	Cation/ Anion	TCLP-Metals	TCLP- BTEX	TCLP- RCI	Hold	24 Hr Rush	Sample Comments
CS-1 .25	S	2/13/26	10:30	.25	G	1		X	X	X								Incident Number
CS-2 .25			10:35					X	X	X								nAPP2508325453
CS-3 .25			10:40					X	X	X								
CS-4 .25			10:45					X	X	X								
CS-5 .25			10:50					X	X	X								
CS-6 .25			10:55					X	X	X								
CS-7 .25			11:00					X	X	X								
CS-8 .25			11:05					X	X	X								
CS-9 .25			11:10					X	X	X								
CS-10 .25	V	V	11:15	V	V	V		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 **TCLP / SPLP 6010**: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U Hg: 1631 / 245.1 / 7470 / 7471

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

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1		17:36 2/	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

Released to Imaging: 6/3/2026 2:28:14 PM
Received by OCD: 5/18/2026 12:12:15 PM

(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 _____ of _____

Project Manager:	Gilbert Moreno	Bill to: (if different)	~~Earth Systems R & R~~
Company Name:	Earth Systems R&R	Company Name:	DEvon Energy
Address:	1910 Resource Ct.	Address:	Jim Raley
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:	Ross Draw Unit #44H	Turn Around	
Project Number:	VP-155	(X) Routine ☐ Rush	
Project Location:	Eddy Cnty, NM	Due Date:	
Sampler's Name:	Evan B	TAT starts the day received by the lab, if received by 4:30pm	
PO/ WO #:			

SAMPLE RECEIPT			
Temp Blank:	(Yes) No	Wet Ice:	(Yes) No
Samples Received Intact:	(Yes) No	Thermometer ID:	IR#0007
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-0.2
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	4.2
Total Containers:		Corrected Temperature:	4.0

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	Grab/ Comp	# of Cont	TPH	Chloride	BTEX	TDS	Cation/ Anion	TCLP-Metals	TCLP- BTEX	TCLP- RCI		Hold	24 Hr Rush				Sample Comments
CS-11 .25	S	2/3/26	11:20	.25	G	1	X	X	X												Incident Number
CS-12 .25			11:25				X	X	X												nAPP2508325453
CS-13 .25			11:30				X	X	X												
CS-14 .25			11:35				X	X	X												
CS-15 .25			11:40				X	X	X												
CS-16 .25			11:45				X	X	X												
CS-17 .25			11:50				X	X	X												
CS-18 .25			11:55				X	X	X												
CS-19 .25			12:00				X	X	X												
CS-20 .25			12:05				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 **TCLP / SPLP 6010:** 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U Hg: 1631 / 245.1 / 7470 / 7471

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

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1					
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

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(3)

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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 _____ of _____

Project Manager:	Gilbert Moreno	Bill to: (if different)	~~Earth Systems R&R~~
Company Name:	Earth Systems R&R	Company Name:	DEVON Energy
Address:	1910 Resource Ct.	Address:	Jim Raley
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:	Ross Draw Unit #44H	Turn Around	☒ Routine ☐ Rush
Project Number:	VP-155	Due Date:	
Project Location:	Eddy Cnty, NM	TAT starts the day received by the lab, if received by 4:30pm	
Sampler's Name:	Evan B		
PO/ WO #:			

SAMPLE RECEIPT			
Temp Blank:	(Yes) No	Wet Ice:	(Yes) No
Samples Received Intact:	(Yes) No	Thermometer ID:	TN006
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	0.2
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	4.2
Total Containers:		Corrected Temperature:	4.0

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 Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Pres. Code	TPH	Chloride	BTEX	TDS	Cation/ Anion	TCLP-Metals	TCLP- BTEX	TCLP- RCI	Hold	24 Hr Rush	Sample Comments
CS-21 .25	S	2/13/26	12:10	.25	G	1		X	X	X								Incident Number nAPP2508325453

NFE

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 **TCLP / SPLP 6010**: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U Hg: 1631 / 245.1 / 7470 / 7471

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

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1		17:16 2/17	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

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

Chain of Custody Record

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Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Teel, Brianna	Carrier Tracking No(s): N/A	COC No: 890-6522 1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Brianna.Teel@et.eurofinsus.com	State of Origin: New Mexico	Page: Page 1 of 3
Company: Eurofins Environment Testing South Centr		Accreditations Required (See note): NELAP - Texas		Job #: 890-9513-1
Address: 1211 W Florida Ave, ,	Due Date Requested: 2/19/2026			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: Ross Draw Unit #44H	Project #: 88001228			
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)	Total_BTEX_GCV	8021B/5035FP_CalcBTEX	300_ORGFM_28D/DI_LEACH Chloride	8015MOD_Calc	8015MOD_NM/8015NM_S_Prep 8015 NM	Total Number of containers	Special Instructions/Note:
			Preservation Code:										
CS-1 25 (890-9513-1)	2/13/26	10 30 Mountain	G	Solid			X	X	X	X	X	1	
CS-2 25 (890-9513-2)	2/13/26	10 35 Mountain	G	Solid			X	X	X	X	X	1	
CS-3 25 (890-9513-3)	2/13/26	10 40 Mountain	G	Solid			X	X	X	X	X	1	
CS-4 25 (890-9513-4)	2/13/26	10 45 Mountain	G	Solid			X	X	X	X	X	1	
CS-5 25 (890-9513-5)	2/13/26	10 50 Mountain	G	Solid			X	X	X	X	X	1	
CS-6 25 (890-9513-6)	2/13/26	10 55 Mountain	G	Solid			X	X	X	X	X	1	
CS-7 25 (890-9513-7)	2/13/26	11 00 Mountain	G	Solid			X	X	X	X	X	1	
CS-8 .25 (890-9513-8)	2/13/26	11 05 Mountain	G	Solid			X	X	X	X	X	1	
CS-9 25 (890-9513-9)	2/13/26	11 10 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: [signature]	Date/Time: 2/13 1630	Company	Received by: [signature] Date/Time: 2-1626 1108 Company
Relinquished by	Date/Time	Company	Received by: Date/Time: 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.

Ver: 10/10/2024

Login Sample Receipt Checklist

Client: Earth Systems Response and Restoration

Job Number: 890-9513-1
SDG Number: Eddy County, NM

Login Number: 9513
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: 890-9513-1
SDG Number: Eddy County, NM

Login Number: 9513
List Number: 2
Creator: Laing, Edmundo

List Source: Eurofins Midland
List Creation: 02/16/26 11:00 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	

January 9, 2026

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

RE: **Ross Draw Unit #044H - Site Characterization & Remediation Plan**
Incident Number: nAPP2508325453
GPS: 32.034744°, -103.875862°
Eddy County, New Mexico
ESRR Project No. VP-155

To Whom It May Concern:

Earth Systems Response & Restoration (ESRR), on behalf of WPX Energy Permian (WPX), 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 and crude oil at the Ross Draw Unit #044H (Site). WPX proposes this SCRP, detailing remediation objectives to mitigate environmental impacts at the Site.

Site Location

The Site is located in Unit D, Section 22, Township 26 South, Range 30 East, in Eddy County, New Mexico (32.034744°, -103.875862°) and is associated with oil and gas exploration and production operations on Federal Land managed by the Bureau of Land Management (BLM) (**Figure 1**).

Incident Description & Background

On March 20, 2025, a leak developed on a transfer pump, causing the release of approximately 15 barrels (bbl) of crude oil within a lined secondary containment (LSC) and adjacent production pad surfaces. A vacuum truck was immediately dispatched to the Site and recovered 15 bbls of fluids. WPX gave notice to the New Mexico Oil Conservation Division (NMOCD) on March 24, 2025, by Notification of Release (NOR) and was subsequently assigned Incident Number nAPP2508325453. A Corrective Action Form C-141 (Form C-141) was later submitted on March 26, 2025. ESRR conducted initial site assessment activities and mapped the observed release footprint on March 25, 2025, hereafter referred to as the Area of Concern (AOC) (**Figure 2**).

Timeline of Events

April 18, 2025 - ESRR performed a liner inspection of the LSC.

June 16, 2025 - Devon requested an extension of the June 18, 2025 deadline, to allow additional time for initial delineation activities and/or remediation activities. Devon was granted a 90-day extension by the NMOCD for September 15, 2025.

June 19, 2025 - ESRR performed initial delineation activities.

September 13, 2025 **-** Devon requested an additional extension of the June 18, 2025 deadline, to allow additional time for further delineation and/or remediation activities. Devon was granted a 90-day extension by the NMOCD for December 15, 2025.

October 1, 2025 **-** ESRR performed additional delineation activities via mechanical equipment.

November 2025 **-** Southwest Geophysical Consulting, LLC (SWC) performed an Environmental Karst Study (EKS).

December 15, 2025 **-** Devon requested a final extension of the December 15, 2025 deadline, to allow additional time for remediation activities. NMOCD denied the request and stated the following:

- *"The extensions request is denied. Due to the two previous extension request approvals, a third cannot be granted. The second and final extension request was granted on 9/15/2025."*

Site Characterization

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

- Between 1,000 feet and ½ 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);
- Greater than 5 miles of any occupied permanent residence, school, hospital, institution or church;
- Between 1 and 5 miles of any spring or a private, domestic fresh water well used by less than five households for domestic or stock watering purposes;
- Between 1 and 5 miles of any other freshwater well or spring;
- Greater than 5 miles of any incorporated municipal boundary or a defined municipal fresh water well field covered under a municipal ordinance;
- Between 1,000 feet and ½ mile of any wetland;
- Greater than 5 miles of any subsurface mine;
- Between 1,000 feet and ½ mile of an unstable area (non-karst); and
- Greater than 5 miles of a 100-year floodplain.

Based on the results from the EKS Report, SGC determined the following:

- *"No surface karst features exist within 200 feet (61 meters) of the spill delineation boundary.*
- *No anomalies consistent with subsurface air- or water-filled voids were found within the RD44 geophysical survey area, indicating the zone beneath the geophysical survey is not subject to collapse.*
- *Moderately well-layered stratigraphy is interpreted to exist beneath the area where the geophysical survey was conducted, indicating stable ground within the 200-foot survey boundary."*

Receptor details used to determine the Site characterization are included in **Figure 1A** and **Figure 1B**. The **Environmental Karst Study Report** and **Referenced Well Records** for the closest depth to water well is attached.

Based on SGC's EKS Report and DTW estimated to be greater than 100 feet below ground surface (bgs), 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 (GRO)+ TPH (DRO)	1,000 mg/kg
Benzene	10 mg/kg
Benzene, Toluene, Ethylbenzene, Total Xylenes (BTEX)	50 mg/kg

‡*The reclamation concentration requirements of 600 mg/kg Chloride and 100 mg/kg TPH apply to the top 4 feet of areas to be immediately reclaimed following remediation pursuant to NMAC 19.15.17.13.*
TPH= Gasoline Range Organics (GRO) + Diesel Range Organics (DRO) + Oil Range Organics (ORO)
Laboratory Analytical Methods used: Environmental Protection Agency (EPA) 300.0, EPA 8015 NM, EPA 8021 B

Liner Inspection

On April 18, 2025, ESRR conducted a thorough visual inspection of the LSC and found signs of damage, confirming evidence of a potential breach to the LSC. The LSC failed inspection and was considered to not be performing as designed due to cuts and/ or tears observed (**Figure 2**). **Photographic Documentation** of liner inspection activities is attached.

Delineation Activities

On June 19, 2025, ESRR conducted additional delineation activities to assess the presence or absence of residual soil impacts directly beneath the LSC and directly south of the AOC. Thirteen delineation boreholes (HA-1 through HA-12A) were advanced via hand auger. Delineation activities were driven by field screening soil for chloride utilizing QuanTab® test strips. A minimum of two soil samples were collected from each delineation borehole, representing the highest observed field screening concentrations and/ or the greatest depth. Delineation soil samples were placed directly into lab provided pre-cleaned jars, packed with minimal void space, labeled, and placed on ice. The delineation soil samples were transported under strict chain-of-custody procedures, to Eurofins in Carlsbad, New Mexico, for analysis of the COCs.

On October 1, 2025, ESRR performed continued delineation of soil sample locations (HA-9, HA-10, HA-12 and HA-12A) with the addition of soil sample locations (HA-13 through HA-15) via mechanical equipment, to achieve full vertical delineation and 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.

Following review of SWC's EKS Report, laboratory analytical results for all delineation soil samples were determined to be below the Site Closure Criteria and/or the reclamation standard within the top 4 feet bgs 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 3**. **Photographic Documentation** of all activities are attached.

Proposed Remediation Plan

Due to the active status of the production pad, the top 4 feet of the AOC is not ready to undergo complete reclamation in which the primary purpose is to reestablish vegetation. With depth to groundwater estimated to be greater than 100 feet bgs and no sensitive receptors within the established buffers in NMAC 19.15.29.12, WPX believes that a surficial scrape of the AOC, will meet the Site Closure Criteria set forth in NMAC 19.15.29.13 regulations and will be equally protective of human health, the environment, and groundwater.

- WPX proposes to perform a 2-inch surficial scrape of the AOC, resulting in approximately 30 cubic yards of soil. Soil will be treated as impacted and transported to a nearby state-regulated landfill facility for disposal under WPX approved waste manifests.
- Following the removal of soil, five-point composite soil samples will be collected at a sampling frequency of 200 square feet from the excavation floor and sidewalls and will be submitted to Eurofins in Carlsbad, New Mexico, for analysis of COCs.

- Upon receipt of final confirmation soil sample results indicating that soil concentrations are below the Site Closure Criteria and/or the reclamation standard, WPX will have the excavation backfilled with clean, locally sourced soil and restored to "*as close to its original state*" as possible.

Proposed Schedule

WPX anticipates remediation and restoration activities to commence within 90 days of approval of this SCRP. Upon favorable laboratory analytical results of all confirmation samples, ESRR will complete a Closure Request Report detailing excavation activities and subsequent soil sampling activities for incident number nAPP2508325453.

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: Jim Raley, WPX Energy Permian
Bureau of Land Management

Attachments:
Figure 1 - Site Map
Figure 1A - Groundwater
Figure 1B - Karst Potential
Figure 2 - Release Extent
Figure 3 - Delineation Soil Sample Locations
Figure 4 - Proposed Excavation Extent
Table 1 - Soil Sample Analytical Results
Photographic Documentation
Environmental Karst Study Report
Referenced Well Record
NMOCD Email Documentation & Correspondence
Executed Chain-of-Custody Forms and Laboratory Analytical Reports

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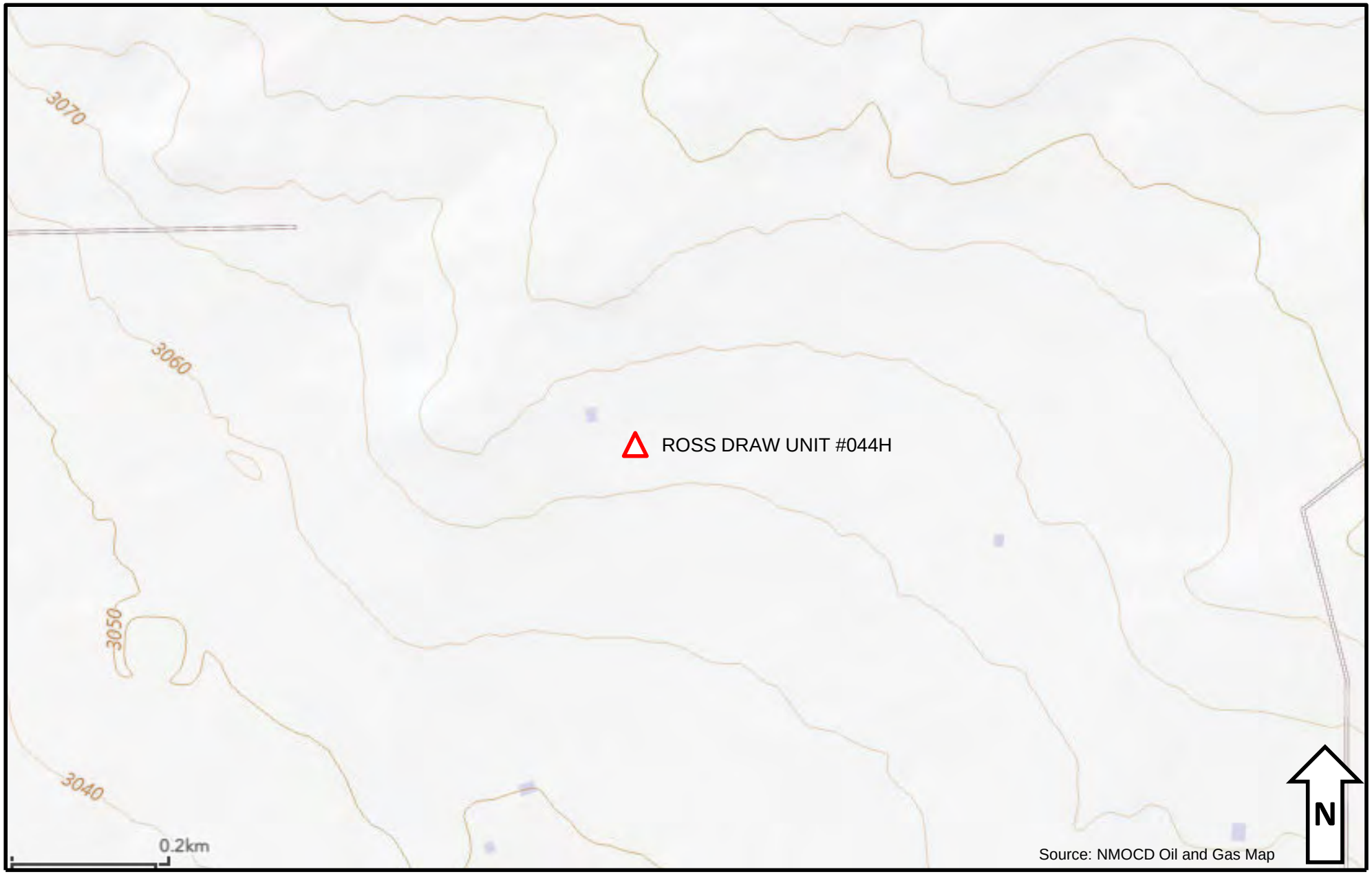

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Figure 1 – Site Map

WPX Energy Permian – ROSS DRAW UNIT #044H
GPS: 32.034744, -103.875862
Eddy County, New Mexico

devon
WPXENERGY

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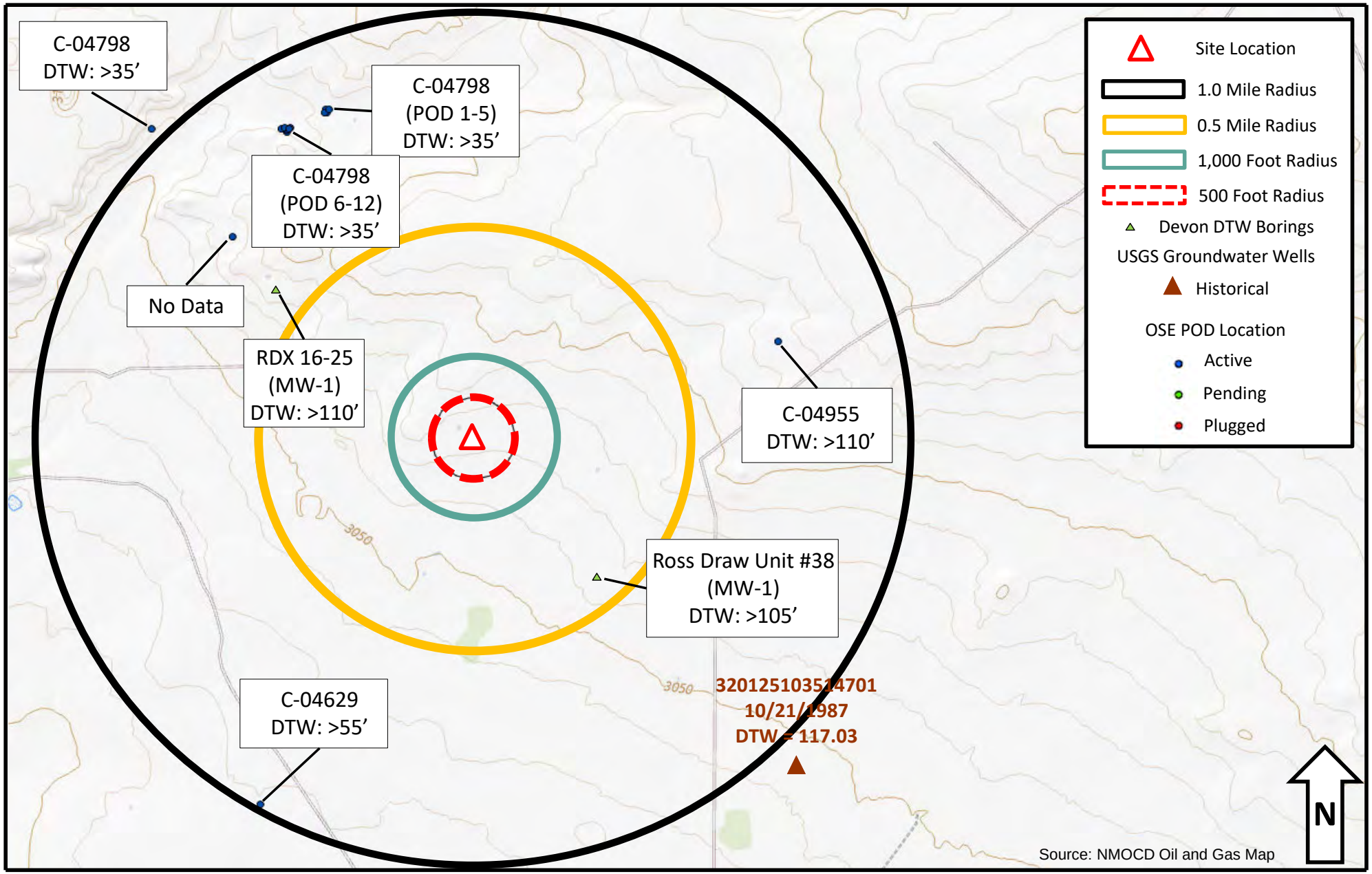

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Figure 1A – Ground Water

WPX Energy Permian – ROSS DRAW UNIT #044H
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Eddy County, New Mexico

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Source: BLM CFO Karst Map

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Figure 1B – Karst Potential

WPX Energy Permian – ROSS DRAW UNIT #044H
GPS: 32.034744, -103.875862
Eddy County, New Mexico

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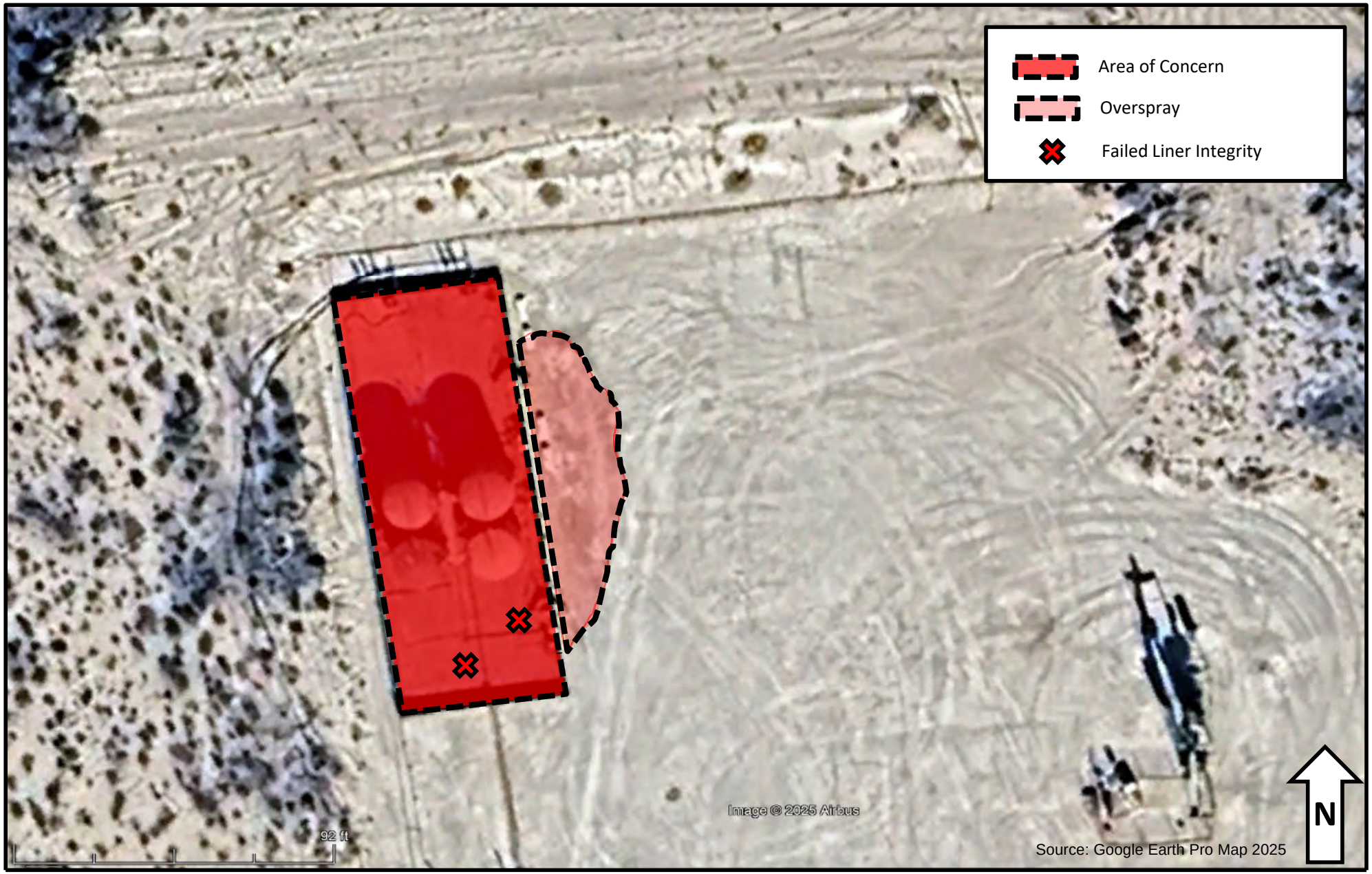

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Figure 2 – Release Extent

WPX Energy Permian – ROSS DRAW UNIT #044H
GPS: 32.034744, -103.875862
Eddy County, New Mexico

devon
WPXENERGY

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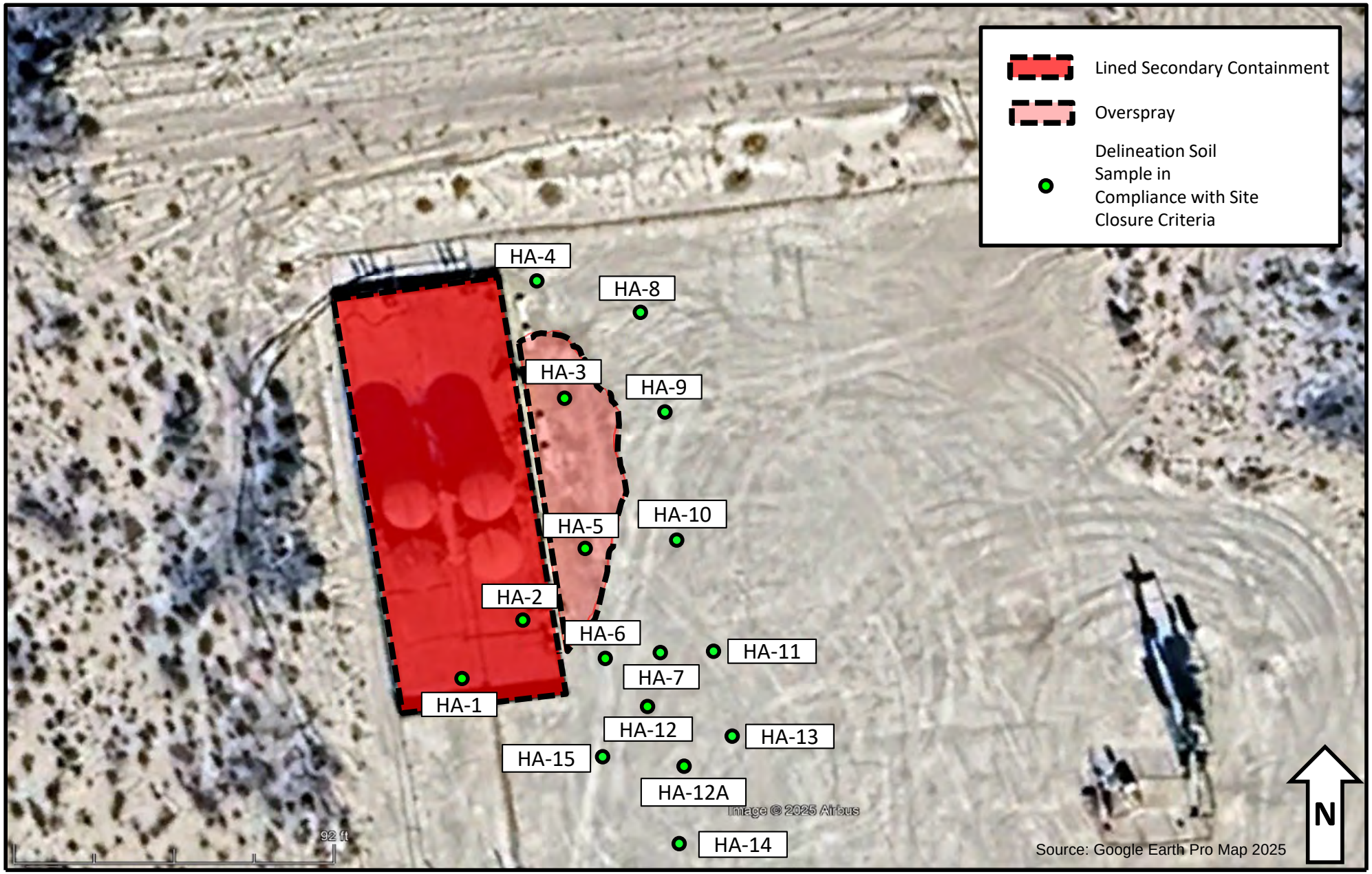

Earth Systems Response & Restoration

Figure 3 – Delineation Soil Sample Locations

WPX Energy Permian – ROSS DRAW UNIT #044H
GPS: 32.034744, -103.875862
Eddy County, New Mexico

devon WPXENERGY

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Source: Google Earth Pro Map 2025

Figure 4 – Proposed Excavation Extent

WPX Energy Permian – ROSS DRAW UNIT #044H
GPS: 32.034744, -103.875862
Eddy County, New Mexico

Earth Systems Response & Restoration

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Table 1A
SOIL SAMPLE ANALYTICAL RESULTS
ROSS DRAW UNIT #044H
Eddy County, New Mexico

devon WPXENERGY

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH ORO (mg/kg)	TPH DRO (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 - nAPP2508325453										
HA - 1	06/19/25	0.5	<0.00200	<0.00401	<50.1	<50.1	<50.1	<50.1	<50.1	100
HA - 1	06/19/25	1	<0.00198	<0.00396	<49.7	<49.7	<49.7	<49.7	<49.7	86.4
HA - 1	06/19/25	2	<0.00199	<0.00398	<49.6	<49.6	<49.6	<49.6	<49.6	136
HA - 1	06/19/25	3	<0.00198	<0.00397	<50.0	<50.0	<50.0	<50.0	<50.0	114
HA - 1	06/19/25	4	<0.00199	<0.00398	<49.6	<49.6	<49.6	<49.6	<49.6	131
HA - 2	06/19/25	0.5	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	79.0
HA - 2	06/19/25	1	<0.00200	<0.00399	<50.1	<50.1	<50.1	<50.1	<50.1	72.3
HA - 2	06/19/25	2	<0.00201	<0.00402	<50.3	<50.3	<50.3	<50.3	<50.3	105
HA - 2	06/19/25	3	<0.00200	<0.00401	<49.9	<49.9	<49.9	<49.9	<49.9	94.2
HA - 2	06/19/25	4	<0.00201	<0.00402	<49.7	<49.7	<49.7	<49.7	<49.7	174
HA - 3	06/19/25	0.5	<0.00200	<0.00401	<50.3	<50.3	<50.3	<50.3	<50.3	540
HA - 3	06/19/25	1	<0.00198	<0.00396	<49.7	<49.7	<49.7	<49.7	<49.7	373
HA - 3	06/19/25	2	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	<49.9	994
HA - 3	06/19/25	3	<0.00198	<0.00397	<49.6	<49.6	<49.6	<49.6	<49.6	1220
HA - 3	06/19/25	4	<0.00199	<0.00398	<49.6	<49.6	<49.6	<49.6	<49.6	1,150
HA - 3	10/01/25	6	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	<49.9	493
HA - 4	06/19/25	0.5	<0.00199	<0.00398	<50.3	<50.3	<50.3	<50.3	<50.3	104
HA - 4	06/19/25	2	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	<50.0	105
HA - 4	06/19/25	3	<0.00201	<0.00402	<49.7	<49.7	<49.7	<49.7	<49.7	129
HA - 4	10/01/25	6	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	<50.0	419
HA - 5	06/19/25	0.5	<0.00200	<0.00401	<49.6	<49.6	<49.6	<49.6	<49.6	2,150
HA - 5	06/19/25	1	<0.00201	<0.00402	<50.1	<50.1	<50.1	<50.1	<50.1	520
HA - 5	06/19/25	2	<0.00201	<0.00402	<50.3	<50.3	<50.3	<50.3	<50.3	271
HA - 5	06/19/25	3	<0.00202	<0.00403	<49.7	<49.7	<49.7	<49.7	<49.7	635
HA - 5	06/19/25	4	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	635
HA - 5	10/01/25	6	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	1,280
HA - 5	10/01/25	8	<0.00198	<0.00396	<49.8	<49.8	<49.8	<49.8	<49.8	2,000
HA - 5	10/01/25	10	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	<49.9	363

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Earth Systems
Response & Restoration

Table 1A
SOIL SAMPLE ANALYTICAL RESULTS
ROSS DRAW UNIT #044H
Eddy County, New Mexico

devon WPXENERGY

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH ORO (mg/kg)	TPH DRO (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 - nAPP2508325453										
HA - 6	06/19/25	0.5	<0.00199	<0.00398	<49.6	<49.6	<49.6	<49.6	<49.6	2,150
HA - 6	06/19/25	1	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	<49.9	953
HA - 6	06/19/25	2	<0.00198	<0.00396	<49.6	<49.6	<49.6	<49.6	<49.6	183
HA - 6	06/19/25	3	<0.00201	<0.00402	<49.8	<49.8	<49.8	<49.8	<49.8	302
HA - 6	06/19/25	4	<0.00201	<0.00402	<50.1	<50.1	<50.1	<50.1	<50.1	92.0
HA - 7	06/19/25	0.5	<0.00200	<0.00401	<50.0	<50.0	<50.0	<50.0	<50.0	194
HA - 7	06/19/25	1	<0.00198	<0.00396	<49.8	<49.8	<49.8	<49.8	<49.8	411
HA - 7	06/19/25	2	<0.00201	<0.00402	<49.6	<49.6	<49.6	<49.6	<49.6	97
HA - 7	06/19/25	3	<0.00201	<0.00402	<50.2	<50.2	<50.2	<50.2	<50.2	534
HA - 7	06/19/25	4	<0.00200	<0.00401	<49.7	<49.7	<49.7	<49.7	<49.7	246
HA - 8	06/19/25	0.5	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	<50.0	77.3
HA - 8	06/19/25	2	<0.00200	<0.00401	<49.6	<49.6	<49.6	<49.6	<49.6	104
HA - 8	06/19/25	4	<0.00202	<0.00403	<50.0	<50.0	<50.0	<50.0	<50.0	188
HA - 9	06/19/25	0.5	<0.00199	<0.00398	<50.1	<50.1	<50.1	<50.1	<50.1	99.2
HA - 9	06/19/25	2	<0.00198	<0.00396	<49.9	<49.9	<49.9	<49.9	<49.9	120
HA - 9	06/19/25	4	<0.00201	<0.00402	<49.8	<49.8	<49.8	<49.8	<49.8	141
HA - 9	10/01/25	6	<0.00201	<0.00402	<49.8	<49.8	<49.8	<49.8	<49.8	440
HA - 10	06/20/25	0.5	<0.00200	<0.00401	<50.1	<50.1	<50.1	<50.1	<50.1	79.7
HA - 10	06/20/25	2	<0.00199	<0.00398	<49.7	<49.7	<49.7	<49.7	<49.7	131
HA - 10	06/20/25	4	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	89.9
HA - 10	10/01/25	6	<0.00202	<0.00404	<50.0	<50.0	<50.0	<50.0	<50.0	586
HA - 10	10/01/25	10	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	<49.9	259
HA - 11	06/20/25	0.5	<0.00200	<0.00399	<49.7	<49.7	<49.7	<49.7	<49.7	401
HA - 11	06/20/25	2	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	428
HA - 11	06/20/25	4	<0.00198	<0.00396	<49.8	<49.8	<49.8	<49.8	<49.8	156
HA - 12	06/20/25	0.5	<0.00201	<0.00402	<50.2	<50.2	<50.2	<50.2	<50.2	138
HA - 12	06/20/25	2	<0.00202	<0.00403	<49.9	<49.9	<49.9	<49.9	<49.9	2,860
HA - 12	06/20/25	4	<0.00199	<0.00398	<49.6	<49.6	<49.6	<49.6	<49.6	3,200
HA - 12	10/01/25	6	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	<50.0	132
HA - 12A	06/20/25	0.5	<0.00200	<0.00401	<49.6	<49.6	<49.6	<49.6	<49.6	197
HA - 12A	06/20/25	2	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	<50.0	752
HA - 12A	06/20/25	4	<0.00199	<0.00398	<50.1	<50.1	<50.1	<50.1	<50.1	959
HA - 12A	10/01/25	6	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	<49.9	99.1

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Earth Systems
Response & Restoration

Table 1A
SOIL SAMPLE ANALYTICAL RESULTS
ROSS DRAW UNIT #044H
Eddy County, New Mexico

devon WPXENERGY

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH ORO (mg/kg)	TPH DRO (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 - nAPP2508325453										
HA - 13	10/01/25	0.5	<0.00198	<0.00396	<50.0	<50.0	<50.0	<50.0	<50.0	513
HA - 13	10/01/25	4	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	<49.9	278
HA - 13	10/01/25	6	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	<50.0	247
HA - 14	10/01/25	0.5	<0.00202	<0.00404	<49.8	<49.8	<49.8	<49.8	<49.8	276
HA - 14	10/01/25	4	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	<49.8	155
HA - 14	10/01/25	6	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	<49.9	123
HA - 15	10/01/25	0.5	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	<50.0	326
HA - 15	10/01/25	4	<0.00202	<0.00404	<49.8	<49.8	<49.8	<49.8	<49.8	299
HA - 15	10/01/25	6	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	97.0

Notes:
bgs: below ground surface
mg/kg: milligrams per kilogram
BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes
GRO: Gasoline Range Organics
DRO: Diesel Range Organics
ORO: Oil Range Organics
NMOCD: New Mexico Oil Conservation Division

NMAC: New Mexico Administrative Code
Text in "grey" represents excavated soil samples
Concentrations in **bold and highlighted** exceed the NMOCD Table I Closure Criteria and/or Reclamation Standard[‡] 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.

Ross Draw Unit #044H - Site Characterization & Remediation Plan
Incident Number: nAPP2508325453
32.034744°, -103.875862°

PHOTO 1: Southeastern view during initial site assessment activities. 3/25/2025

PHOTO 2: Northwestern view during initial site assessment activities. 3/25/2025

Ross Draw Unit #044H - Site Characterization & Remediation Plan
Incident Number: nAPP2508325453
32.034744°, -103.875862°

PHOTO 3: Southeastern view outside of the containment during liner inspection activities. 4/18/2025

PHOTO 4: Southeastern view outside of the containment during liner inspection activities. 4/18/2025

Ross Draw Unit #044H - Site Characterization & Remediation Plan
Incident Number: nAPP2508325453
32.034744°, -103.875862°

PHOTO 5: Northwestern view outside of the containment during liner inspection activities. 4/18/2025

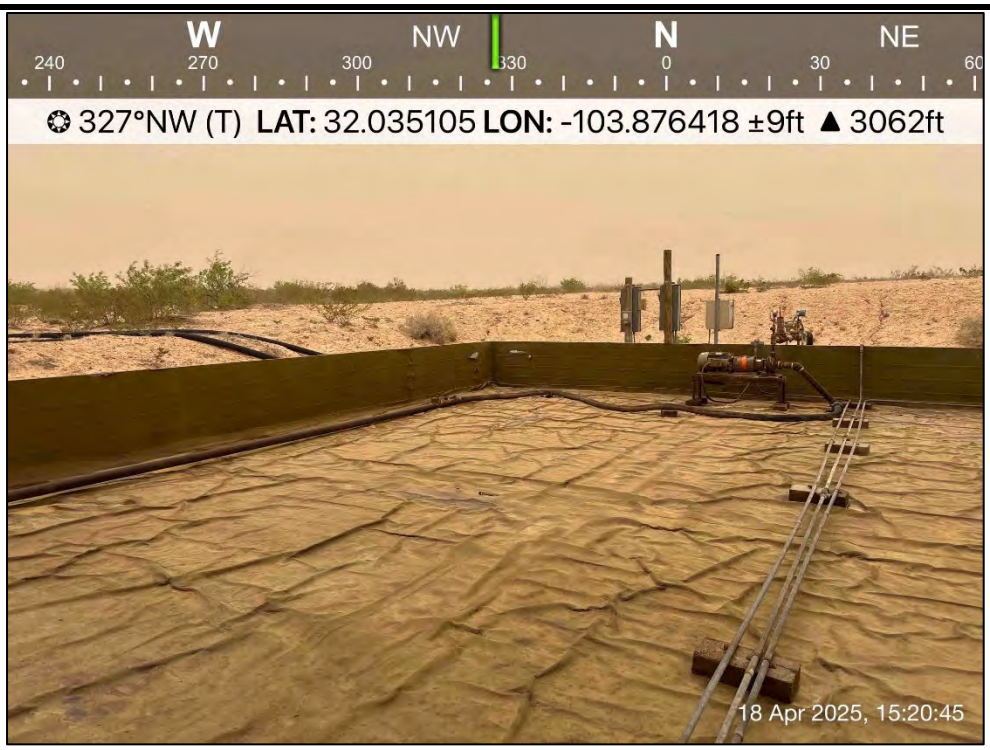


PHOTO 6: Northwestern view during liner inspection activities. 4/18/2025

Ross Draw Unit #044H - Site Characterization & Remediation Plan
Incident Number: nAPP2508325453
32.034744°, -103.875862°

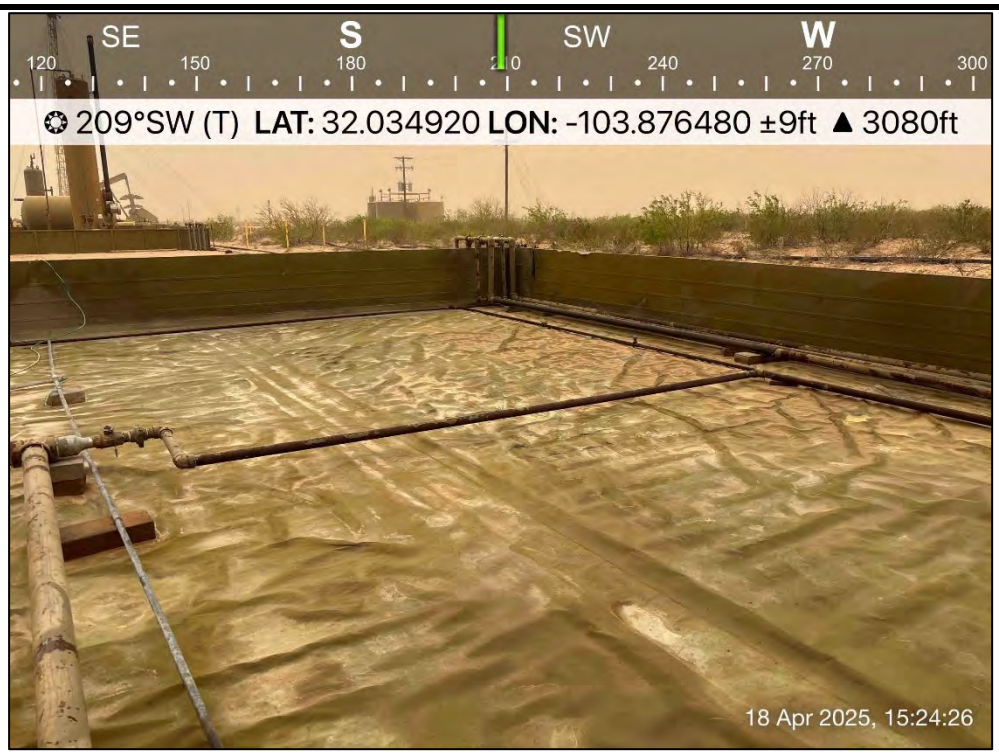


PHOTO 7: Southwestern view during liner inspection activities. 4/18/2025

PHOTO 8: Southeastern view during liner inspection activities. 4/18/2025

Ross Draw Unit #044H - Site Characterization & Remediation Plan
Incident Number: nAPP2508325453
32.034744°, -103.875862°

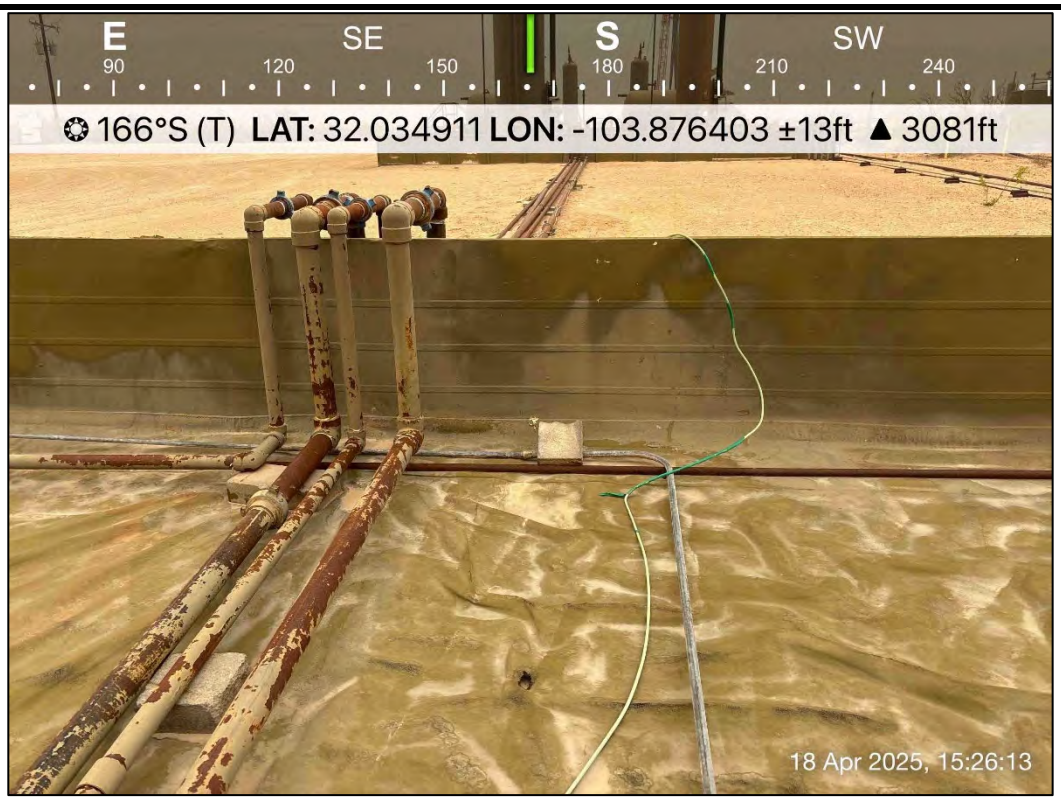


PHOTO 9: Southeastern view of failed liner integrity. 4/18/2025

PHOTO 10: Southeastern view of failed liner integrity. 4/18/2025

Ross Draw Unit #044H - Site Characterization & Remediation Plan
Incident Number: nAPP2508325453
32.034744°, -103.875862°

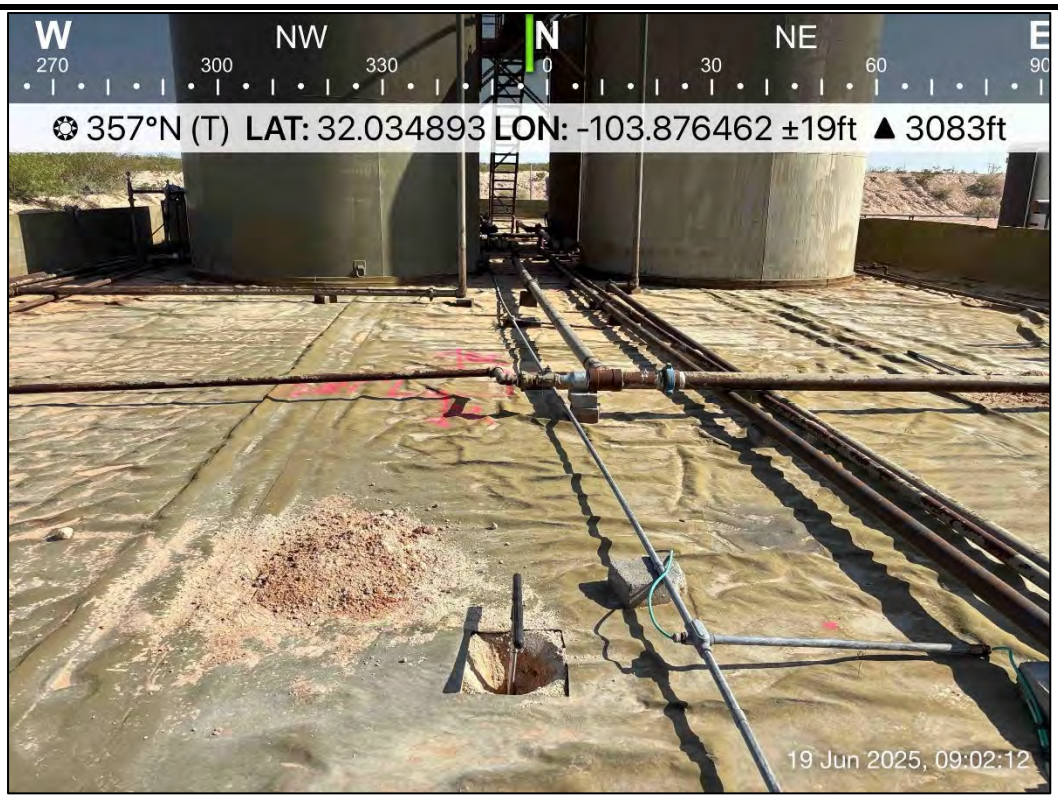


PHOTO 11: Northern view during initial delineation activities. 6/19/2025

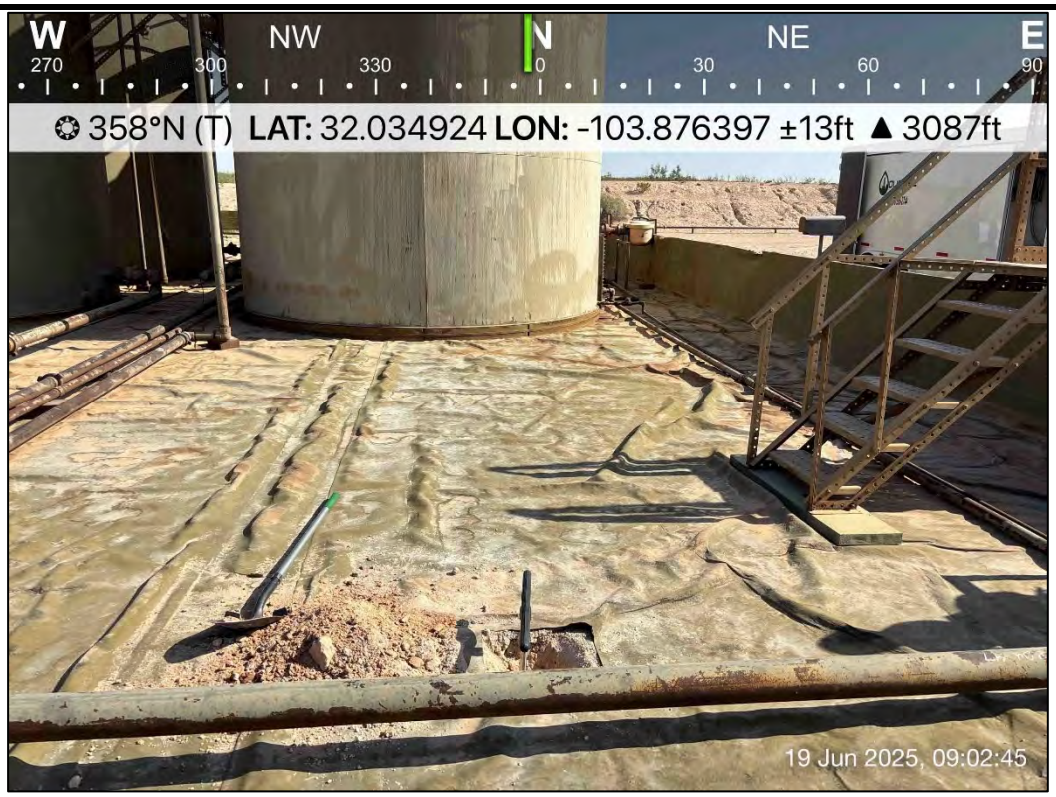


PHOTO 12: Northern view during initial delineation activities. 6/19/2025

Ross Draw Unit #044H - Site Characterization & Remediation Plan
Incident Number: nAPP2508325453
32.034744°, -103.875862°

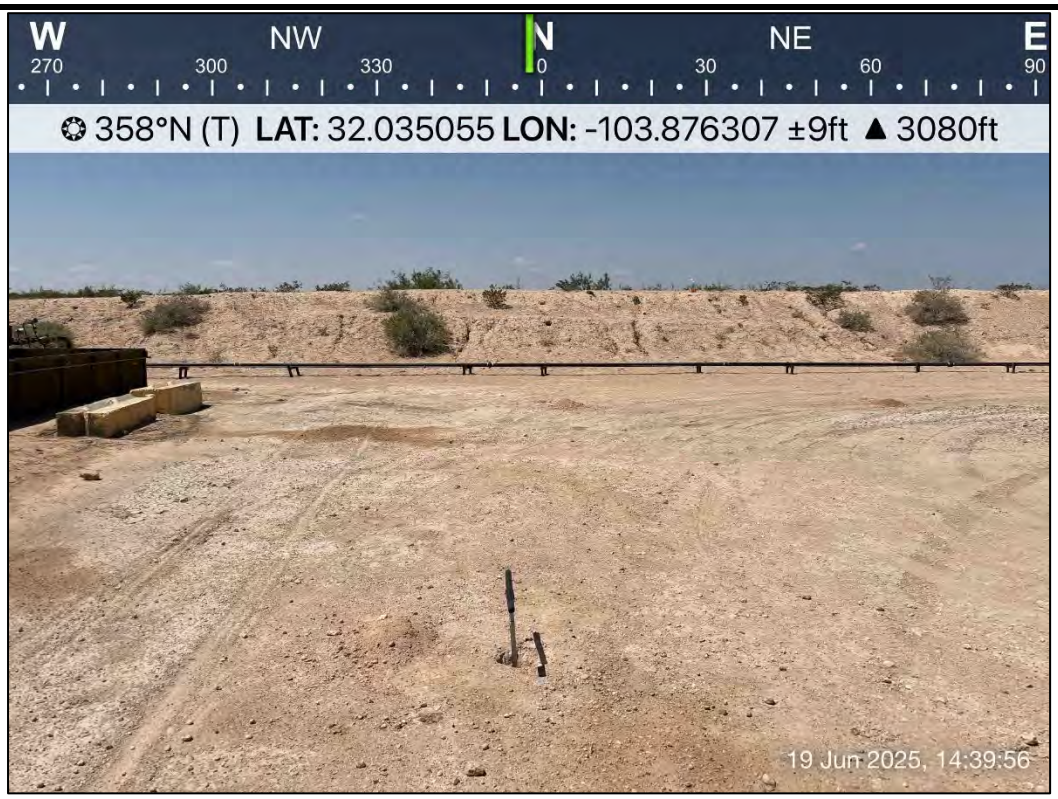


PHOTO 13: Northern view during initial delineation activities. 6/19/2025

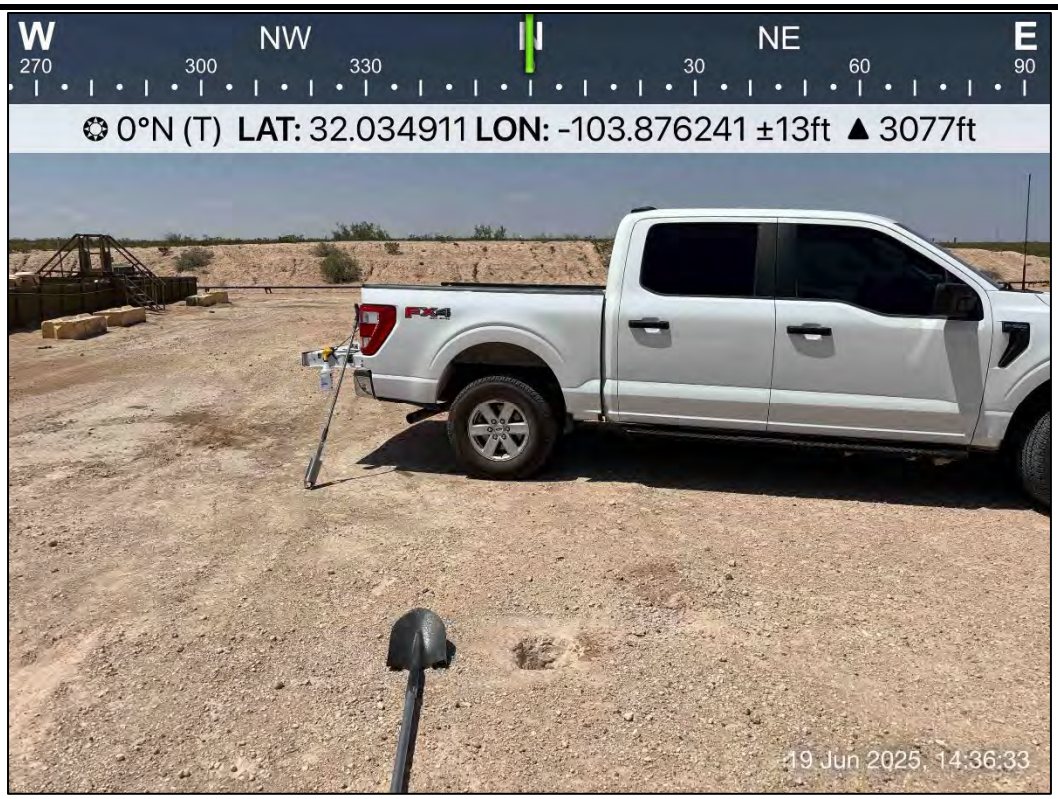


PHOTO 14: Northern view during initial delineation activities. 6/19/2025

PHOTO 15: Southeastern view following liner repairs. 6/19/2025

PHOTO 16: Southeastern view following liner repairs. 6/19/2025

Ross Draw Unit #044H - Site Characterization & Remediation Plan
Incident Number: nAPP2508325453
32.034744°, -103.875862°

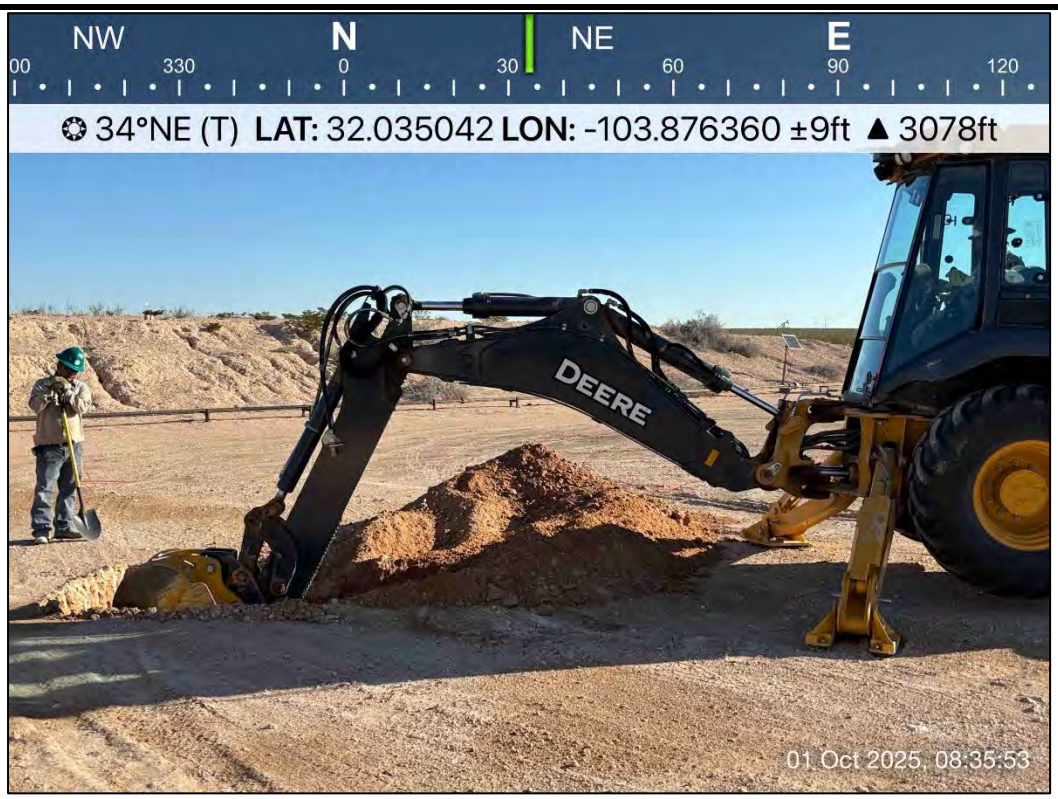


PHOTO 17: Northeastern view during additional delineation activities. 10/01/2025

PHOTO 18: Northwestern view during additional delineation activities. 10/01/2025

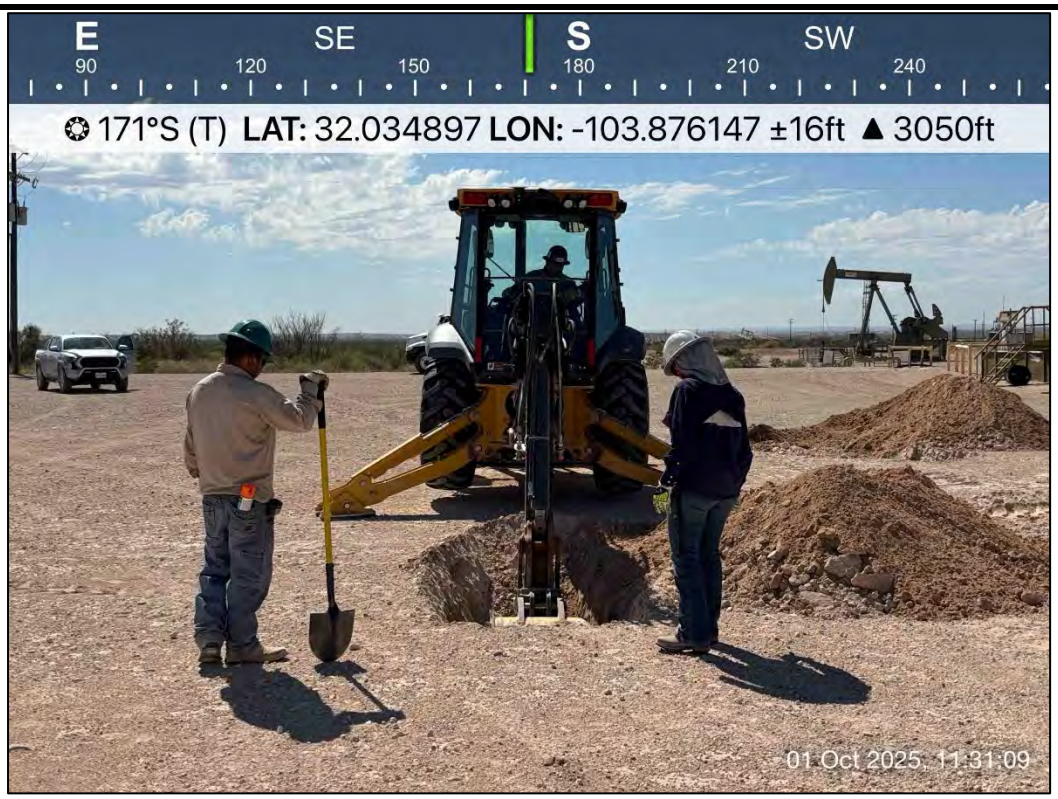
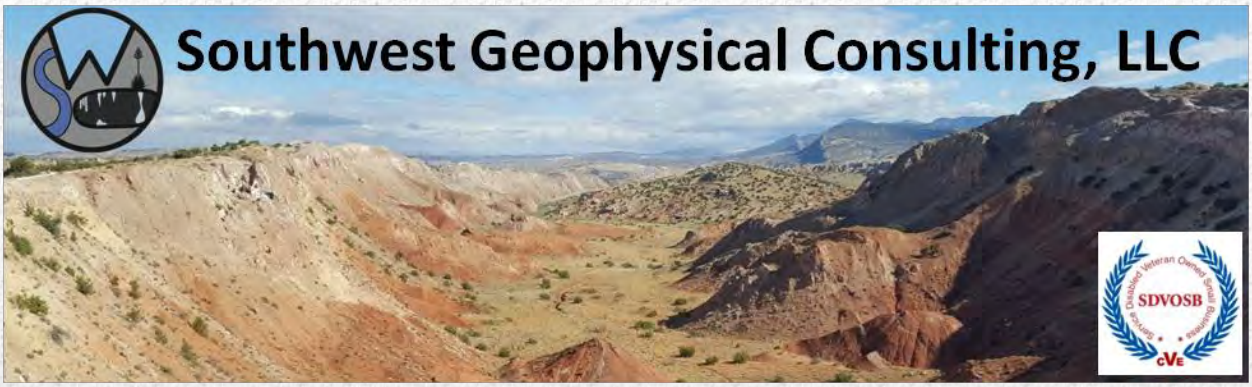


PHOTO 19: Southeastern view during additional delineation activities. 10/01/2025

PHOTO 20: Location sign. 10/01/2025



Environmental Karst Study Report
Devon Ross Draw Unit No. 044H
Eddy County, New Mexico

Prepared For:

Earth Systems, LLC
1910 Resource Court
Carlsbad, NM 88220

Within 200 feet of the spill delineation boundary:

☑ Negative ☐ Positive for surface karst

☑ Stable ☐ Unstable Ground

☐ Karst Monitor Recommended

November 11, 2025

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MMXXV

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1.0 INTRODUCTION

This report was commissioned by Earth Systems, LLC (hereinafter referred to as "the client"), on October 28, 2025, for the purpose of conducting an environmental karst study within an area encompassing the Devon Ross Draw Unit No. 044H release site (hereinafter termed “RD44”) centered at N 32.034756° W 103.876064°.

1.1 Goals of this Study

The goals of this study are to conduct a surface karst inventory and provide the client with the location and description of any surface karst features located within 200 feet (61 meters) of the spill delineation boundary (as defined by 19.15.29.12 NMAC[1]), and to determine whether stable ground exists (as defined by 19.15.2 NMAC Definitions[2]) within 200 feet of the spill delineation boundary of the Devon Ross Draw Unit No. 044H release as provided by the client via e-mail (**Release Extent-RDU 44.kmz**) on October 28, 2025, using electrical resistivity imaging[3].

1.2 Summary of Findings

- **No surface karst features exist within 200 feet (61 meters) of the spill delineation boundary.**
- **No anomalies consistent with subsurface air- or water-filled voids were found within the RD44 geophysical survey area, indicating the zone beneath the geophysical survey is not subject to collapse.**
- **Moderately well-layered stratigraphy is interpreted to exist beneath the area where the geophysical survey was conducted, indicating stable ground within the 200-foot survey boundary.**

1.3 Affected Environment

The RD44 project site is located in evaporite karst terrain, a landform that is characterized by underground drainage through solutionally enlarged conduits. Evaporite karst terrain may contain sinkholes, sinking streams, caves, and springs. Sinkholes leading to underground drainages and voids are common. These karst features, as well as occasional fissures and discontinuities in the bedrock, provide the primary sources for rapid recharge of the groundwater aquifers of the region. Additionally, karst may develop by hypogene processes involving dissolution by upwelling fluids from depth independent of recharge from the overlying or immediately adjacent surface. Hypogene karst systems may not be connected to the surface and can remain undiscovered unless encountered during drilling or excavation.

Karst features are delicate resources that are often of geological, hydrological, biological, and archeological importance, and should be protected. The four primary concerns in these types of terrain are environmental issues, worker safety, equipment damage, and infrastructure integrity.

The Bureau of Land Management (BLM) categorizes all areas within the Carlsbad Field Office (CFO) zone of responsibility as having either low, medium, high, or critical cave potential based on geology, occurrence of known caves, density of karst features, and potential impacts to freshwater aquifers[4]. These designations are also recognized by the New Mexico State Land Office (NMSLO). This project occurs within a **MEDIUM** karst occurrence zone (MKOZ)[5] (**Figure 1**).

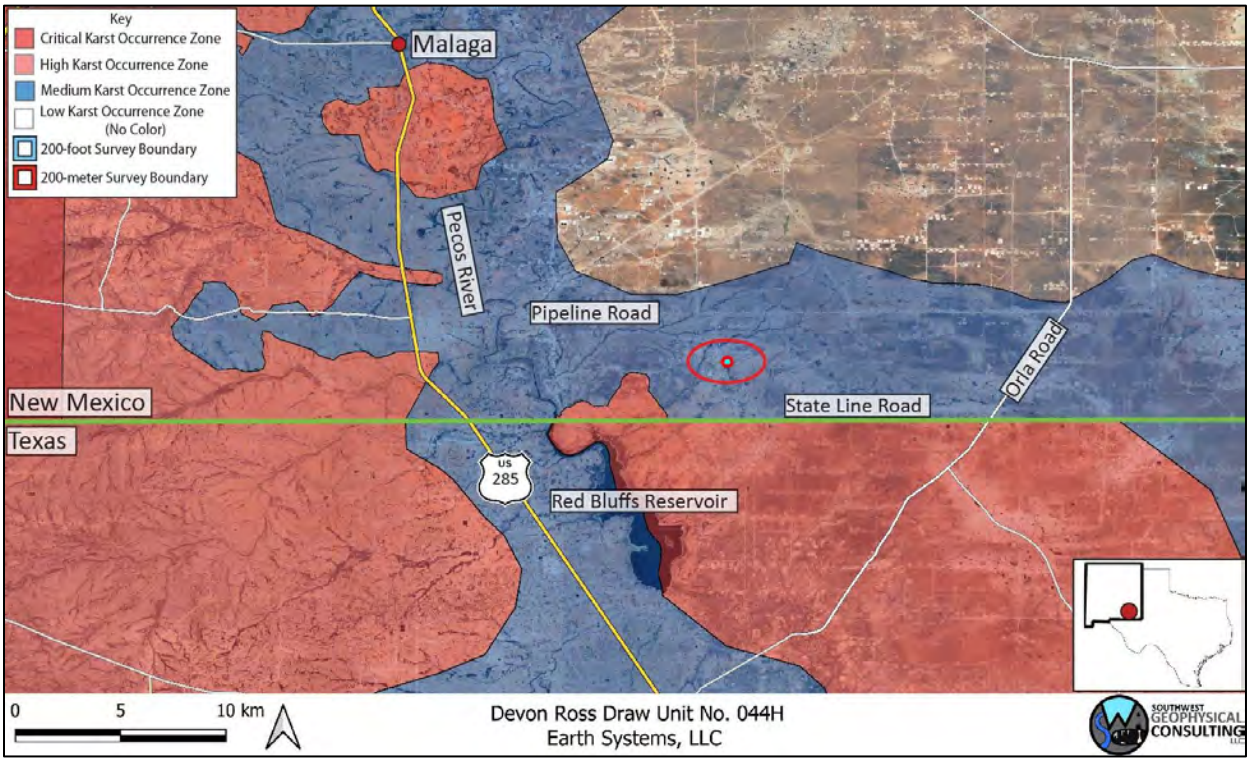

Figure 1: Karst occurrence zone overview. Background image credit: Google Earth. Image date: March 20, 2023. Image datum: WGS-84.

A medium karst occurrence zone is defined as an area in known soluble rock types that may have a shallow insoluble overburden. These areas may contain isolated karst features such as caves and sinkholes. Groundwater recharge may not be wholly dependent on karst features, but the karst features still provide the most rapid aquifer recharge in response to surface runoff [4].

Due to the rapidity with which evaporite karst develops, each location within a BLM-CFO-designated karst occurrence zone must be assessed on an individual basis to determine the existence of surface karst features and the possibility of sub-surface karst development each time a release occurs.

1.4 Limitations of Report

This report should be read in full. No responsibility is accepted for the use of any part of this report in any other context or for any other purpose or by third parties. This report does not purport to give legal advice. Legal advice can only be given by qualified legal practitioners.

This report has been prepared for the use of Earth Systems, LLC, in accordance with generally accepted consulting practices. Every effort has been made to ensure the information in this report is accurate as of the time of its writing. This report has not been prepared for use by parties other than the client, their contracting party, and their respective consulting advisors. It may not contain sufficient information for the purposes of other parties or for other uses.

This report was prepared upon completion of the associated fieldwork using a standard template prepared by Southwest Geophysical Consulting and is based on information collected prior to fieldwork, conditions encountered on site, and data collected during the fieldwork and reviewed at the time of preparation. Southwest Geophysical Consulting disclaims responsibility for any changes that might have occurred at the site after this time. The interpreted results, locations, and depths noted in this report (if applicable) should be taken as an interpretation only and no decision should be based solely on this information. Physical verification of aerial imagery analysis results should be conducted in the field prior to using this information for remediation planning. Physical verification of geophysical results using geotechnical methods should be conducted.

To the best of our knowledge, the information contained in this report is accurate at the date of issue. Due to the nature of karst terrain, the information in this report shall not be used beyond two years past the date of the field work provided in section ***2.3 Description of Survey***. Large weather events can shorten this time period as areas subject to karst development can rapidly form new features subsequent to these events.

2.0 LOCATION AND DESCRIPTION OF STUDY AREA

2.1 Description of Site

The site is located in Eddy County, New Mexico, 28.1 kilometers (17.5 miles) southeast of Malaga, east of the Pecos River, north of State Line Road, and south of Pipeline Road. The release area is located within section 22 of NM T26S R30E[6] (**Figure 1** and **Figure 2**). The region has rolling terrain with karstification occurring in the gypsite soils and underlying gypsum and dolomite bedrock[7] (see section ***2.2 Local Geology Summary*** for further information). The climate in this area of southeast New Mexico is semi-arid with an average annual precipitation of approximately 13 inches, of which about two-thirds falls as rain during summer thunderstorms from June to October. Summers are hot and sunny while winters are generally mild, with an average maximum temperature of 96°F in July and an average minimum temperature of 28°F in January[8]. This area is within the Chihuahuan Desert Thornscrub as defined by the Southwestern Regional ReGAP Vegetation map[9] and the vegetation consists mostly of areas of blue grama, nine-awned pappus grass, burro grass and low scrub including yucca. The spill delineation boundary is located within an MKOZ[5] (**Figure 1**) and within BLM-CFO-managed land[10] (**Figure 2**).

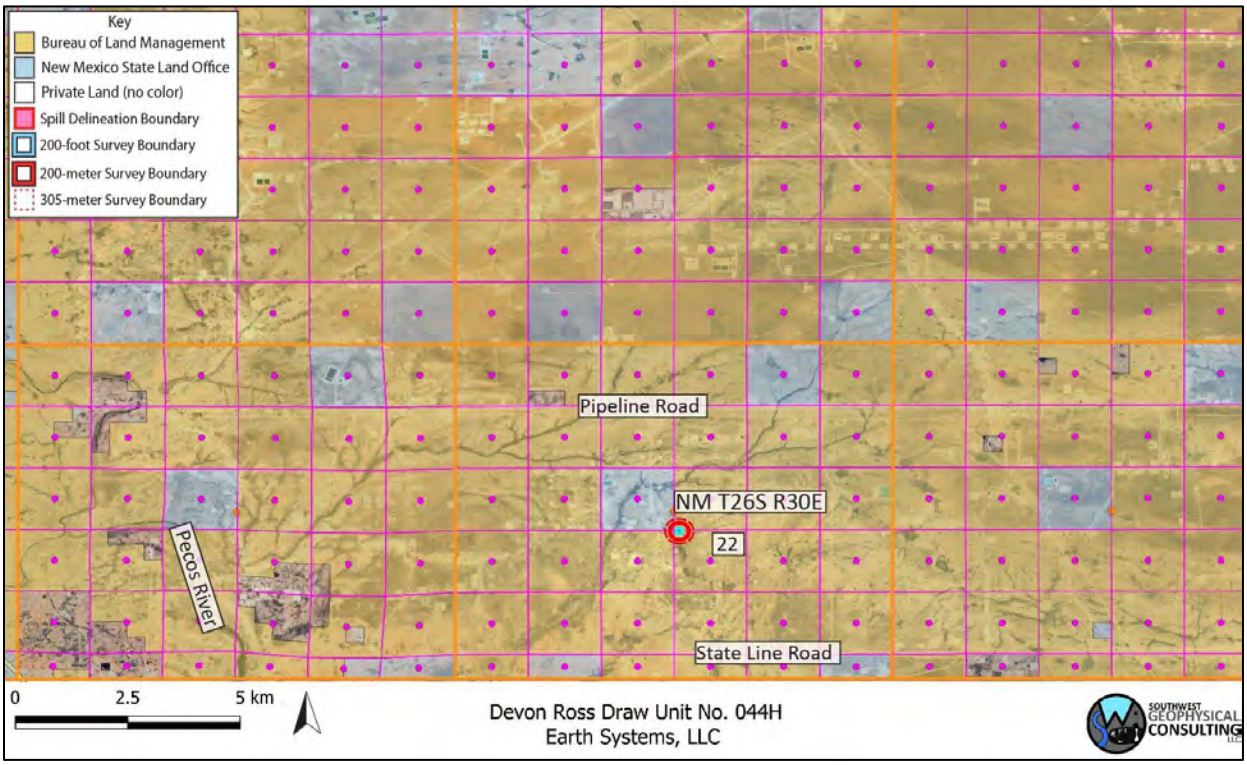

Figure 2: Land ownership and PLSS overview. Background image credit: Google Earth. Image date: March 20, 2023. Image datum: WGS-84.

2.2 Local Geology Summary

The site for the RD44 survey is located at an elevation of 939 meters (3,079 feet), ± 2 meters (6.6 feet). This region is entirely underlain by the Permian Rustler Formation (Pru). The area is mantled by thin gypsiferous soils (gypsite), Quaternary eolian deposits (Qe), and alluvium (Qal)[11] up to 5 meters in depth (**Figure 3**).

The Rustler Formation is an evaporite facies composed mainly of thin siltstones and sandstones interbedded with claystones, dolomite, and gypsum, and contains both karst-forming strata (the Forty-niner and Tamarisk members) and two shallow aquifers (the Magenta and Culebra Dolomite members)[12].

The Pru overlies the Permian Salado Formation (Psl – not shown in the below image), a layer of extremely soluble halite which can readily dissolve to create caves, sinkholes, and other karst features; however, due to its extremely soluble nature, only non-soluble silt and sand remain from the dissolution of this layer at the surface[12]. The Rustler Formation may be subject to collapse if a void has developed beneath it in the Salado Formation[13].

The survey area is covered by the easily accessible Geologic Map of New Mexico (2003) at 1:500,000 scale[14] and the Digital Geologic Map of New Mexico in ARC/INFO Format[11].

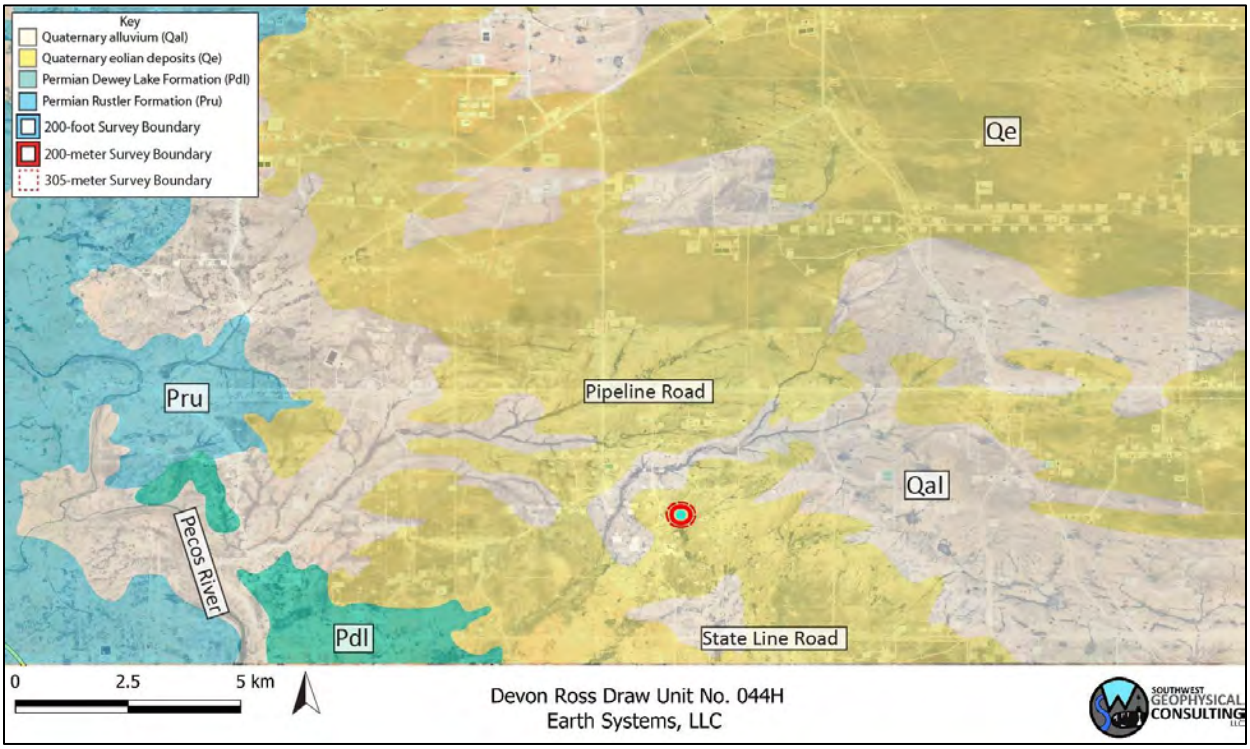

Figure 3: Geology overview. Geology map credit: The Digital Geologic Map of New Mexico in ARC/INFO Format. Background image credit: Google Earth. Image date: March 20, 2023. Image datum: WGS-84.

2.3 Description of Survey

2.3.1 Surface Karst Survey

Southwest Geophysical Consulting, in partnership with SWCA Environmental Consultants, provides surface karst surveys using small, uncrewed aerial systems (sUAS) that are flown by qualified, FAA licensed drone pilots and that meet the stringent Bureau of Land Management – Carlsbad Field Office requirements for both pedestrian and aerial karst surveys.

The surface karst survey includes a desk study prior to the flight which allows us to provide client feedback in the event of any previously known karst features in the area. The desk study is performed out to 305 meters (1,000 feet) from the spill delineation boundary per New Mexico Oil Conservation Division guidance [1] (**Figure 4**). The study was performed using satellite and aerial imagery from Google Earth Pro dated March 20, 2023 (please note features less than one meter in diameter are generally not visible using this method); the Southwest Geophysical Cave and Karst Database dated October 27, 2025[15]; the Ross Ranch, NM-TX, 1:24,000 quad, 1968, USGS topographic map; Phantom Banks, NM-TX, 1:24,000 quad, 1968, USGS; and the latest lidar imagery from CalTopo.com. Please note that we use older topographic maps because newer maps have had caves removed from them. These searches and queries returned no karst feature within the 305-meter survey boundary.

Surface karst surveys are conducted by sUAS at low elevation within 200 meters of the spill delineation boundary[4] (**Figure 4**) following a preplanned raster pattern flightpath designed for the purpose of generating at least 75% imagery overlap. The collected high-resolution, georeferenced imagery is stitched together to develop orthomosaic imagery which is further developed into a digital elevation model (DEM); the DEM is then processed into a local relief model (LRM) (**Figure 6**). This LRM is color coded to enhance differences in elevation of as little as five centimeters. The orthoimagery, DEM, and LRM are uploaded to a server where they are analyzed by an experienced karst geologist. Finally, the data is reviewed by a senior karst geologist for quality assurance and downloaded into a table for inclusion in a written report[16].

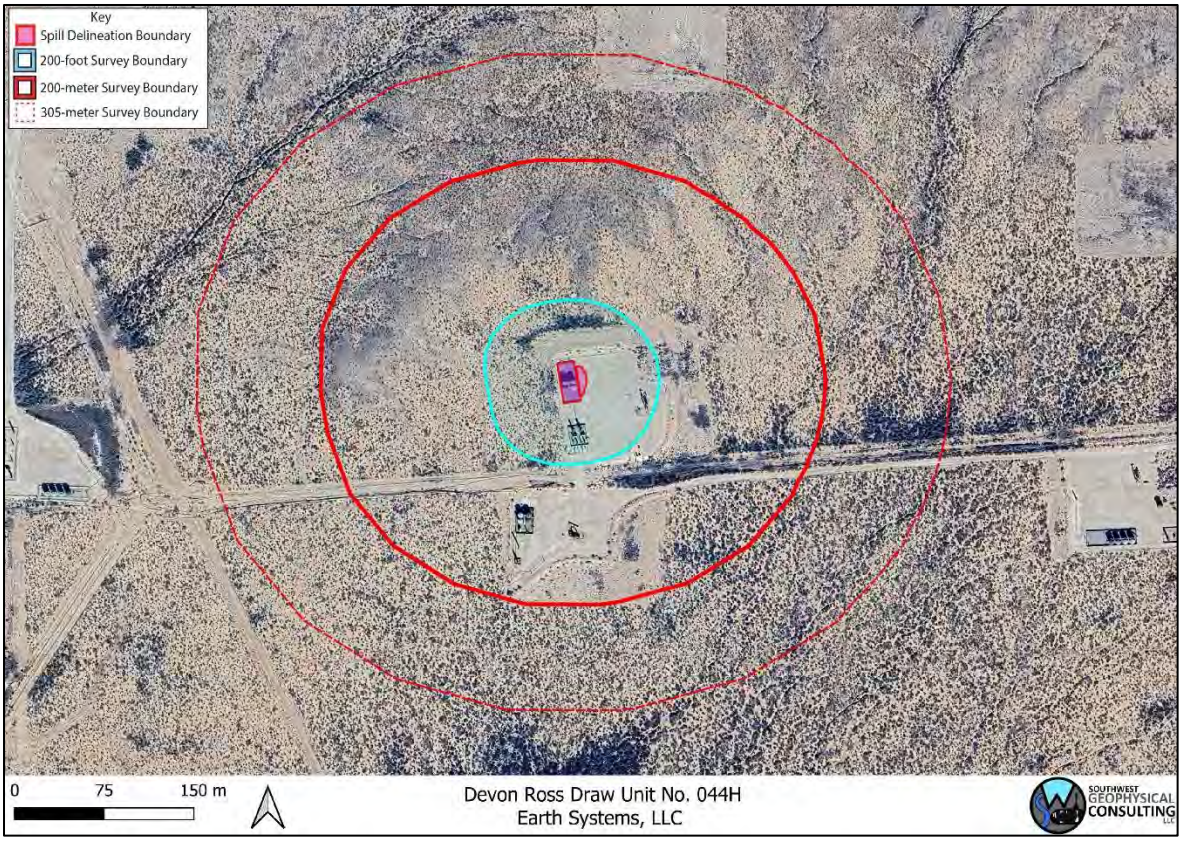

Figure 4: Surface survey overview. Background image credit: Google Earth. Image date: March 20, 2023. Datum: WGS-84.

The resolution of the orthoimagery is clear enough that features as small as 10 centimeters can be positively identified in most circumstances. Occasionally there are ambiguous features identified during an aerial survey that will need to be checked in the field if they are impacted by the proposed remediation efforts. Specifically, it is difficult to tell the difference between solution tubes, abandoned uncased well bores, and some burrows in drone imagery. If an ambiguous feature is located during imagery analysis, it is marked with a yellow dot in **Figure 6**. If a feature of any likelihood is subsequently verified in the field prior to publication of the report, the dot will be changed to a red triangle if confirmed as a karst feature or deleted if not.

The imagery for this study was collected via aerial survey by Pat Lagodney of SWCA on November 1, 2025. Surface karst features may have developed after this date and will not be noted in this report. Imagery analysis was completed by Dave Decker of Southwest Geophysical Consulting on November 5, 2025.

2.3.2 Geophysical Survey

For this survey, an Advanced Geosciences Inc. (AGI) SuperSting™ Wifi R8 with an 8-channel switchbox, a 42-electrode line of 40-centimeter-long (1.3 feet) stainless-steel electrodes, and a tablet controller were used to image the subsurface. The Spill Delineation Boundary provided by the client was used to plan the resistivity line and define the survey boundaries. The RD44 survey consisted of two resistivity lines in a dipole-dipole configuration laid out south to north (RD4401) and west to east (RD4402) at 4-meter electrode spacing, resulting in two 164-meter-long lines. (**Figure 5**, **Table 1**).

A preconfigured command file was used to run the data collection (DiDi42) which consisted of a dipole-dipole survey. This electrode configuration provided a depth of investigation of up to 38 meters (125 feet) in this location at a resolution of 2.0 to 2.5 meters (6.6 to 8.2 feet) near the surface. A Leica GS18 GPS was used to record electrode locations and elevations. On this survey, the estimated horizontal error mean was 7 cm (2.75 inches) and the estimated vertical error mean was 12 cm (4.7 inches).

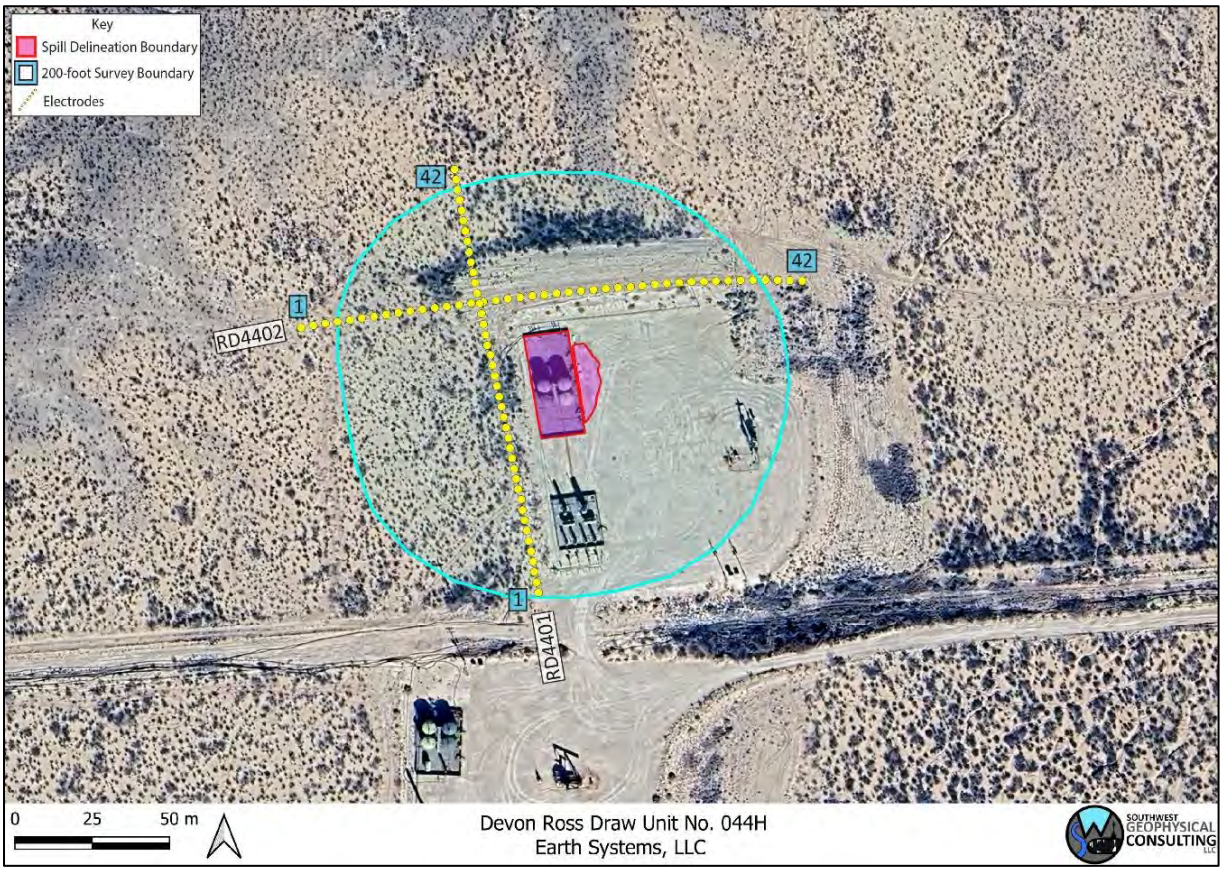

Figure 5: Geophysical survey overview. Both survey lines were conducted with 42 electrodes at 4-meter spacing (yellow dots denoted with blue numbers). Background image credit: Google Earth. Image date: March 20, 2023. Image datum: WGS-84.

Table 1 provides basic line data. Detailed information including electrode number, location in latitude/longitude (decimal degree format), and elevation in meters can be found in the accompanying data files.

Table 1: Survey Line Data Table. The .kmz file contains all the points for the survey line listed in the file name. These data are available in the accompanying files RD44_ERI_Points.xlsx and ESYS-003-20251028_RD44_Data_Files.kmz.

File Name:	Completed By:	Date:
RD4401.kmz	Steven Kesler – Field Geologist Britt Bommer – Field Geologist Aaron Beirl – Field Geologist	11/4/2025
RD4402.kmz		11/4/2025

EarthImager™ 2D software was used to download and process the data and to provide the model used to make our interpretations. The design of the survey and the orientation of each of the lines provides the information necessary to make the determination of "stable" or "unstable" ground at this site.

A typical starting model was used for the data processing due to the two-layer model of the geology in the area; specifically, generally high-resistivity gypsum and dolomite at the surface and low-resistivity saturated gypsum and dolomite bedrock at depth. The starting model used was "average apparent resistivity" and a default inversion setting of "surface," with a minimum apparent resistivity set to 0.1 Ohm-meters (Ohm-m or Ω-m) and a max apparent resistivity set to 100,000 Ω-m (**Table 2**).

Table 2: Software Information and Settings

Software Name:	EarthImager™ 2D
Version:	2.4.4.649
Starting Model:	Average Apparent Resistivity
Default Inversion Settings:	Surface
Changes to Default Inversion Settings:	Max Apparent Resistivity = 100 kΩ-m Min Apparent Resistivity = 0.1 Ω-m

Note: Raw data files (.dat files for EarthImager™ 2D) and processed data (.trn files, terrain files for surface correction in EarthImager™ 2D and .out files, the processed .dat files) are available upon request.

All field work, including setup, stow, and travel, was completed by Steven Kesler, Britt Bommer, and Aaron Beirl on November 4, 2025.

3.0 RESULTS

3.1 Surface Karst Survey

The desk study and surface karst survey showed no surface karst features located within the 200-meter (656-foot)[1] survey area surrounding the spill delineation boundary (**Figure 6**).

No springs exist within the 305-meter (1,000-foot)[1] survey boundary (**Figure 6**).

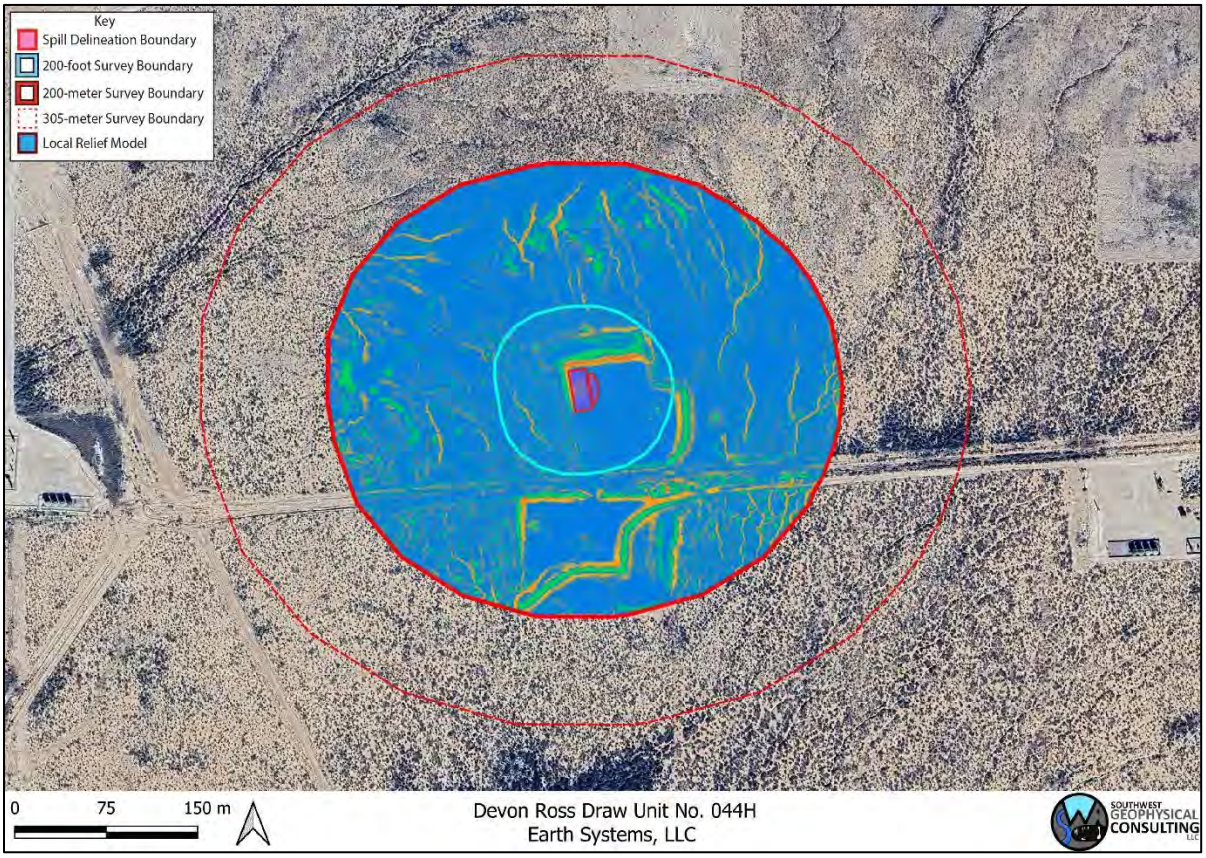

Figure 6: Surface karst survey results. Background image credit: Google Earth. Image date: March 20, 2023. Image datum: WGS-84.

Caution should be exercised while operating in or around all karst-related features due to the possibility of near-surface voids. Employing a BLM-CFO-approved karst monitor on site during these activities should be considered.

3.2 Geophysical Survey

Electrical resistivity tomography forms images of the subsurface by causing a current to flow through the rock and soil and then measuring the resistance of these materials as the current flows through them. This measurement is taken many times and the resulting data, once processed, is used to produce a model of the subsurface (**Figure 7**). This model is produced using "non-unique" solutions, which means that there are many models and interpretations which will satisfy the data. Using experience and knowledge of the local geology, a high-confidence model can be established and used to develop an accurate understanding of what lies below the surface. This survey was conducted with the express purpose of locating subsurface voids and does not purport to find paleokarst (old, non-active karst features that have been filled in with sand and sediment) or nascent karst features below the resolution limit of the survey.

The results of this study indicate a moderately well-layered geologic system with low resistivities between 15 and 1053 Ohm-m (**Figure 7**). Please keep in mind when viewing the 2D inverted resistivity sections that color maps can be widely different for each view. Always check the color map located on the right side of the image when viewing the 2D images to ensure you understand the range of resistivities presented. Distances along the top and depths along the left side are in meters. The color map along the right side is in Ohm-m. Due to the nature of the survey, shallower zones have higher resolution between electrodes than deeper zones; therefore, small features at depth will not be visible.

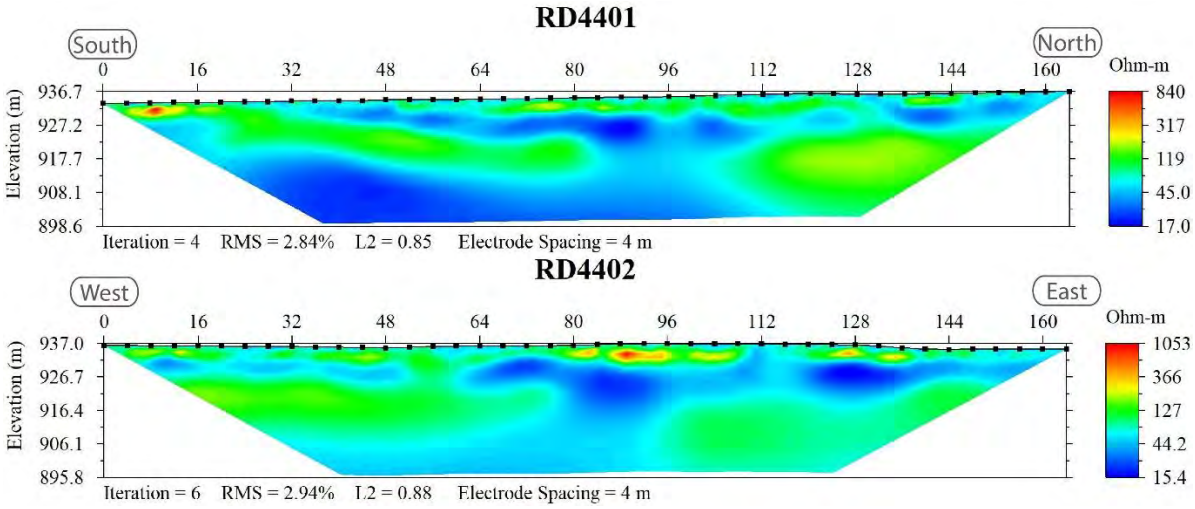

Figure 7: 2D inverted resistivity sections RD4401 and RD4402. Reds and oranges indicate higher resistivity values. Yellows and greens are medium-resistivity values. Blues are low-resistivity values. Please note that the color scale is relative.

4.0 DISCUSSION

No surface karst features exist within 200 meters of the spill delineation boundary.

No anomalies consistent with air-filled subsurface voids are found within the RD44 survey area. Small solutionally enlarged voids or fractures at or near the resolution limit of the survey (2.0 – 2.5 meters) may be present. Areas of high-resistivity (reds and oranges) near the surface are interpreted as dry gypsite soils and gypsum or dolomite bedrock of the Rustler Formation[17] (**Figure 7** and **Figure 8**). Low-resistivity areas between 15 – 20 Ohm-m may either represent fluid from the brine release, surface-to-subsurface hydrologic pathways, or a layer of either clays and halite lenses or moist or saturated layers within the Rustler Formation (**Figure 7**).

Please remember that these are interpretations made from knowledge of the local subsurface materials and experience. **They remain interpretations until verified by geotechnical methods.** Employing a BLM-CFO-approved karst monitor on site during any drilling and/or remediation activities that require excavation below four feet in depth should be considered.

Fracture sets within the subsurface can act as hydrologic pathways to the water table. Rapid dissolution of gypsum can occur along these pathways creating solution-enlarged fractures, and in some cases, voids within months to years. For this reason, this survey is valid only for this remediation event.

Within karst terrains like the project site, small air- or sediment-filled voids and/or brecciated zones and solutionally enlarged fractures that are below the resolution limit of the survey (2.5–3.0 meters) may exist; these may be encountered during excavation, and if so, should be evaluated by a karst specialist prior to continued work.

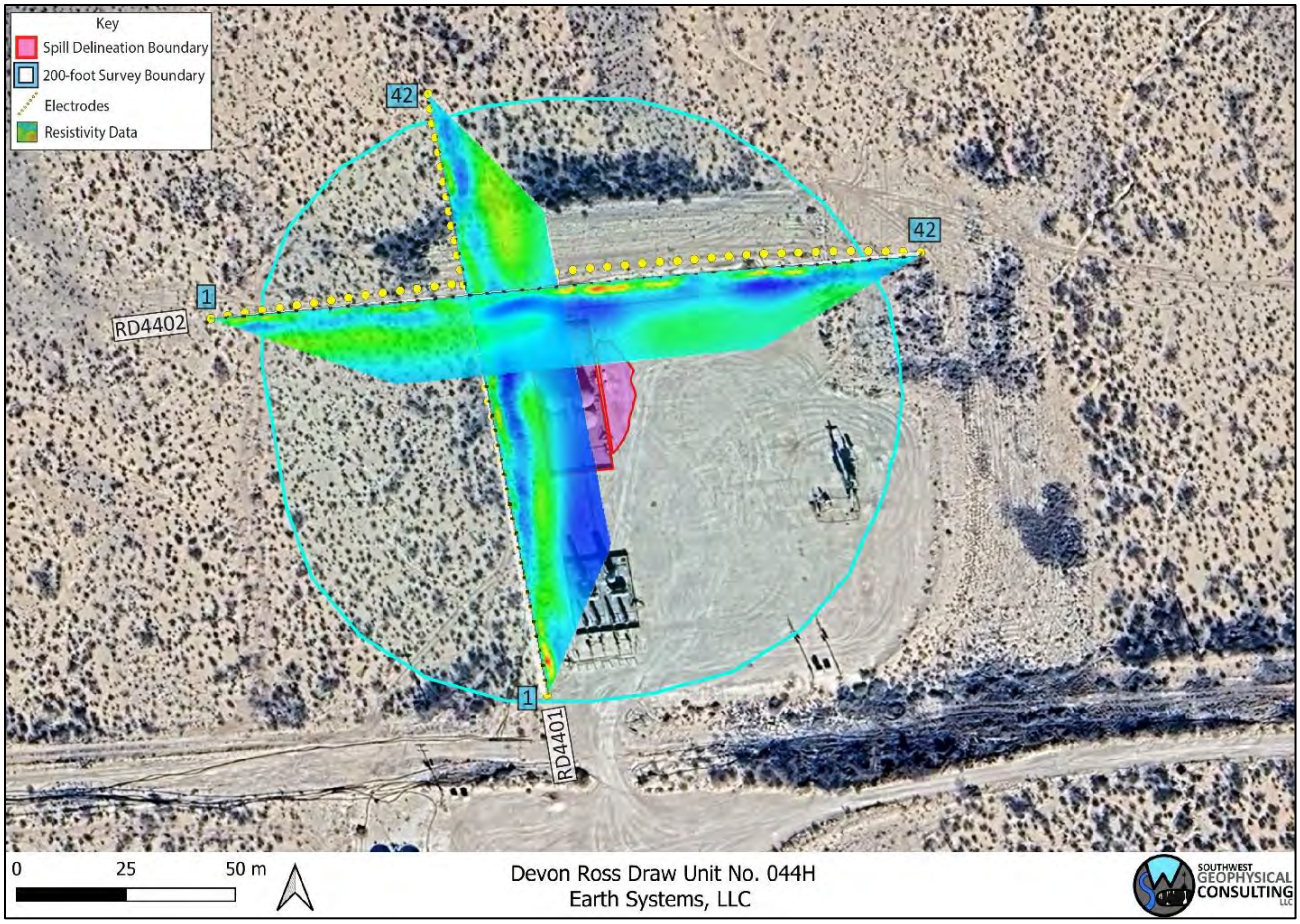

Figure 8: Data overlay. Colored trapezoids are the 2D inverted resistivity lines. Background image credit: Google Earth. Image date: March 20, 2023.

5.0 SUMMARY

- **The RD44 survey contains no surface karst features within 200 feet (61 meters) of the spill delineation boundary.**
- No surface karst feature exists within the 200-meter survey boundary and no springs are noted within the 305-meter survey boundary.
- **No shallow anomalies interpreted as large voids or related karst features that would present a danger to equipment operators are located within the geophysical survey area.**
- Intercepting a void during remediation is unlikely, but still possible. Small voids or solutionally enlarged fractures below the resolution limit of the survey may be encountered.
- **Moderately well-layered stratigraphy is interpreted to exist beneath the geophysical survey line, indicating stable ground in the area of the subsurface investigation.**
- When conducting any remediation activities in this area, employing a BLM-CFO approved karst monitor on site should be considered.

6.0 DISCLOSURE STATEMENT

Karst occurrence zones are prone to rapid karst formation and warrant careful planning and engineering to mitigate karst-forming processes that could be accelerated by removal of surface cover or the vibrations associated with heavy equipment used in the remediation process.

Mitigation measures for any karst features revealed during excavation shall be approved by the Bureau of Land Management – Carlsbad Field Office and follow the Natural Resources Conservation Service Conservation Practice Standard for Karst Sinkhole Treatment, Code 527, or the Bureau of Land Management Cave and Karst Management Handbook, H-8380-1.

Vigilance during remediation activities is paramount. If voids are encountered during excavation, contact the Bureau of Land Management Karst Division at (575) 234-5972, the New Mexico State Land Office Surface Resources Division at (505) 827-5768, or a BLM-CFO approved karst contractor and request an on-site investigation from a karst expert if one is not already on site. A karst consultant can generally be available in Eddy County within five hours.

Approved karst monitors should have karst feature identification training, at least two years of supervised experience identifying karst features, wilderness first aid training, SRT training, confined space training, gas monitor training, and a minimum of SPAR cave rescue training through NCRC. They should have with them the proper gear and be prepared both physically and mentally to enter a collapse feature within minutes to perform a rescue if needed. Monitoring services with qualified karst monitors, as well as cave surveys and geophysical surveys, are available from Southwest Geophysical Consulting.

Under no circumstances should an untrained, inexperienced person enter a cave, pit, sinkhole, or collapse feature. All field employees of Southwest Geophysical Consulting have extensive caving experience and the ability to determine whether entry into a karst feature is safe or presents a hazard. In the event it is necessary to enter a karst feature, Southwest Geophysical Consulting can provide these services on request.

Cave and karst resource inventory reports, karst feature investigations, and geophysical reports (along with the associated data files) commissioned at the request of the land manager should be submitted to BLM-CFO at blm_nm_karst@blm.gov.

Cave and karst resource inventory reports for the NMSLO should be submitted to the respective project manager.

Environmental karst reports should be submitted to the appropriate project manager at the New Mexico Oil Conservation Division.

7.0 REFERENCES

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8.0 GLOSSARY OF TERMS

AGI	Advanced Geosciences Inc.
BLM-CFO	Bureau of Land Management - Carlsbad Field Office
brecciated	Fractured rock caused by faulting or collapse.
caprock-collapse sinkhole	Collapse of roof-spanning rock into a cave or void.
cave	Natural opening at the surface large enough for a person to enter.
cover-collapse sinkhole	Collapse of roof-spanning soil or clay ground cover into a subsurface void.
ERI	Electrical Resistivity Imaging
GPS	Global Positioning System
grike	A solutionally enlarged, vertical, or sub-vertical joint or fracture.
(H)	High confidence modifier for a PKF. This is typically reserved for a feature that is definitely karst but has not been confirmed in the field.
HKOZ	High Karst Occurrence Zone
karst	A landscape containing solutional features such as caves, sinkholes, swallets, and springs.
(L)	Low confidence modifier for a PKF. This is typically a feature that cannot be ruled out as karst but is most likely NOT karst related. This modifier may also be used for pseudokarst features.
(M)	Medium confidence modifier for PKF. This is an ambiguous feature that can't be positively identified as karst without a field visit (e.g., burrows, abandoned unlined wells, solution tubes, pseudokarst).
MKOZ	Medium Karst Occurrence Zone
NCRC	National Cave Rescue Commission
NKF	Non-karst feature. Used for features originally identified as PKF that have been subsequently identified in the field as non-karst related. This term may also be used for pseudokarst features.
NMSLO	New Mexico State Land Office
Ohm-m	Ohm-meter, a unit of measurement for resistivity. Sometimes abbreviated Ω-m.
paleokarst	Previously formed karst features that have been filled in by erosion and/or deposition of minerals.
Pat	Permian Artesia Group
Pc	Permian Capitan Formation
Pcs	Permian Castile Formation
Pdl	Permian Dewey Lake Formation
PKF	Possible karst feature. This term is reserved for features identified in satellite or aerial imagery that have NOT been visited in the

	field. Further modifiers include (H) for high confidence, (M) for medium confidence, and (L) for low confidence. These confidence levels are based on field experience.
PLSS	Public Land Survey System
Pqg	Permian Queen/Greyburg Formation
Pru	Permian Rustler Formation
pseudokarst	Karst-like features (sinkholes, conduits, voids etc.) that are not formed by dissolution. These types of features include soil piping, lava tubes, and some cover-collapse and suffosion sinkholes.
Psl	Permian Salado Formation
Psr	Permian Seven Rivers Formation
Pt	Permian Tansill Formation
Py	Permian Yates Formation
Qal	Quaternary alluvium
Qe	Quaternary eolian deposits
Qp	Quaternary piedmont deposits
Qpl	Quaternary playa lake deposits
RKF	Recognized karst feature. This term is reserved for karst features that have been physically verified in the field.
SPAR	Small Party Assisted Rescue
sUAS	Small, uncrewed aerial system
suffosion sinkhole	Raveling of soil into a pre-existing void or fracture.
swallet	A natural opening in the surface, too small for a person, that drains water to an aquifer. Some are "open," meaning a void can be seen below; some are "closed, "meaning they are full of sediment.
SWG	Southwest Geophysical Consulting, LLC
UTM	Universal Transverse Mercator (projected coordinates)
(V)	Field verified modifier for a RKF. This indicates that the feature has been visited by a qualified karst professional in the field and fully identified
WGS	World Geodetic System (geographic coordinates)

9.0 ATTESTATION

David D. Decker, PhD, PG, CPG
Chief Executive Officer, Principal Geologist
Southwest Geophysical Consulting, LLC
5117 Fairfax Dr. NW
Albuquerque, NM 87114
dave@swgeophys.com
(505) 585-2550

CERTIFICATE OF AUTHOR

I, David D. Decker, a Licensed Professional Geologist and a Certified Professional Geologist, do certify that:

- I am currently employed as a consulting geologist in the specialty of caves and karst with an office address of 5117 Fairfax Dr. NW, Albuquerque, NM, USA, 87114.
- I graduated with a Master of Science in Applied Physics with a specialization in Sensor Systems from the Naval Post Graduate School in Monterey, California, in 2003, and a Doctor of Philosophy in Earth and Planetary Sciences from the University of New Mexico, Albuquerque, New Mexico, in 2018.
- I am a Licensed Professional Geologist in the State of Texas, USA (PG-15242) and have been since 2021. I am a Certified Professional Geologist through the American Institute of Professional Geologists (CPG-12123) and have been since 2021.
- I have been employed as a geologist continuously since 2016. I was previously employed as a Fire Controlman, Naval Flight Officer, and Aerospace Engineering Duty Officer in the U.S. Navy and operated, maintained, and installed various sensor systems including magnetic, electromagnetic, radar, communications, and acoustic systems in various capacities from 1986 through 2010.
- I have been involved in various aspects of cave and karst studies continuously since 1985, including exploration, mapping, and scientific studies.
- I have read the definition of “qualified karst professional” set out in the ASTM Standard Practice for Preliminary Karst Terrain Assessment for Site Development (ASTM E-1527). I meet the definition of “qualified professional” for the purposes of this standard.
- I am responsible for the content, compilation, and editing of all sections of report number ESYS-003-20251028 entitled, “Environmental Karst Study Report, Devon Ross Draw Unit No. 044H, Eddy County, New Mexico.” I or a duly authorized and qualified representative of Southwest Geophysical Consulting, LLC, have personally visited this site and/or reviewed the aerial imagery on the date or dates mentioned in section ***2.3 Description of Survey***.

- I have no prior involvement nor monetary interest in the described property or project, save for my fee for conducting this investigation and providing the report.

Dated in Albuquerque, New Mexico, November 12, 2025.

David D. Decker
PhD, CPG-12123

HRL COMPLIANCE SOLUTIONS

BORING LOG/MONITORING WELL COMPLETION DIAGRAM

Boring/Well Number: MW-1		Location: Ross Draw Unit #38	
Date: 12/8/2020		Client: WPX Energy	
Drilling Method: Air Rotary	Sampling Method: None	Logged By: J. Linn, PG	Drilled By: Talon LPE
Gravel Pack Type: 10/20 Sand	Gravel Pack Depth Interval: 3 Bags	Seal Type: None / Seal Depth Interval: None	Latitude: 32.030300
Casing Type: PVC / Diameter: 2-inch / Depth Interval: 0-100 feet bgs		Boring Total Depth (ft. BGS): 105	Longitude: -103.871338
Screen Type: PVC / Slot: 0.010-inch / Diameter: 2-inch / Depth Interval: 100-105 ft		Well Total Depth (ft. BGS): 105	Depth to Water (ft. BTOC): > 105 / DTW Date: 12/16/2020

Depth Interval (ft)	Recovery (ft)	Plasticity	Moisture	Odor	Staining	PID (ppm)	USCS	Sample ID	Lithology/Remarks
0	NM	L	D	N	N	NM	SW	NS	Pale orange/pale pink to buff colored fine sand with minor medium and coarse sand
5									
10									
15									
20	NM	L	D	N	N	NM	SP	NS	Pale orange/pale pink poorly graded fine sand
25									
30									
35	NM	L	D	N	N	NM	SP	NS	Tan/pale brown/pale orange poorly graded fine sand
40									
45									
50									
55									
60									
65									
70	NM	L	D	N	N	NM	SP	NS	Brick red brown poorly graded fine sand
75									
80									
85									
90									
95									
100	NM	L	D	N	N	NM	SP	NS	Tan/pale brown/pale orange poorly graded fine sand - TD 105' BGS

Well Completion

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 452319

QUESTIONS

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 452319
	Action Type: [NOTIFY] Notification Of Liner Inspection (C-141L)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2508325453**
Incident Name	**NAPP2508325453 ROSS DRAW UNIT #044H @ 30-015-41580**
Incident Type	**Oil Release**
Incident Status	**Initial C-141 Approved**
Incident Well	**[30-015-41580] ROSS DRAW UNIT #044H**

Location of Release Source	
Site Name	**ROSS DRAW UNIT #044H**
Date Release Discovered	**03/20/2025**
Surface Owner	**Federal**

Liner Inspection Event Information *Please answer all the questions in this group.*	
What is the liner inspection surface area in square feet	6,068
Have all the impacted materials been removed from the liner	Yes
Liner inspection date pursuant to Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC	04/18/2025
Time liner inspection will commence	08:00 AM
Please provide any information necessary for observers to liner inspection	Gilbert Moreno (832) 541-7719
Please provide any information necessary for navigation to liner inspection site	32.034744, -103.875862

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: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 452319
	Action Type: [NOTIFY] Notification Of Liner Inspection (C-141L)

CONDITIONS

Created By	Condition	Condition Date
jraley	Failure to notify the OCD of liner inspections including any changes in date/time per the requirements of 19.15.29.11.A(5)(a)(ii) NMAC, may result in the inspection not being accepted.	4/15/2025

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 475600

QUESTIONS

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 475600
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2508325453**
Incident Name	**NAPP2508325453 ROSS DRAW UNIT #044H @ 30-015-41580**
Incident Type	**Oil Release**
Incident Status	**Initial C-141 Approved**
Incident Well	**[30-015-41580] ROSS DRAW UNIT #044H**

Location of Release Source	
Site Name	**ROSS DRAW UNIT #044H**
Date Release Discovered	**03/20/2025**
Surface Owner	**Federal**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	6,068
What is the estimated number of samples that will be gathered	30
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	06/19/2025
Time sampling will commence	08:00 AM
Please provide any information necessary for observers to contact samplers	Gilbert Moreno (832) 541-7719
Please provide any information necessary for navigation to sampling site	32.034744,-103.875862

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

General Information
Phone: (505) 629-6116

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

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

CONDITIONS

Action 475600

CONDITIONS

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 475600
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

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

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 475602

QUESTIONS

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 475602
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2508325453**
Incident Name	**NAPP2508325453 ROSS DRAW UNIT #044H @ 30-015-41580**
Incident Type	**Oil Release**
Incident Status	**Initial C-141 Approved**
Incident Well	**[30-015-41580] ROSS DRAW UNIT #044H**

Location of Release Source	
Site Name	**ROSS DRAW UNIT #044H**
Date Release Discovered	**03/20/2025**
Surface Owner	**Federal**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	6,068
What is the estimated number of samples that will be gathered	30
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	06/20/2025
Time sampling will commence	08:00 AM
Please provide any information necessary for observers to contact samplers	Gilbert Moreno (832) 541-7719
Please provide any information necessary for navigation to sampling site	32.034744,-103.875862

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: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 475602
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

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

Outlook

Soil Sampling Activities - ROSS DRAW UNIT #044H - Incident Number nAPP2508325453

From Gilbert Moreno <gmoreno@earthsys.net>
Date Fri 9/26/2025 8:49 AM
To Enviro, OCD, EMNRD <ocd.enviro@emnrd.nm.gov>
Cc Raley, Jim <jim.raley@dvn.com>; CFO_Spill, BLM_NM <blm_nm_cfo_spill@blm.gov>

Hello,

Earth Systems R & R anticipates conducting soil sampling activities at the ROSS DRAW UNIT #044H, October 1st, 2025. This email will be followed up with a Notification of Sampling (C-141N) for the proposed date(s).

• **What is the sampling surface area in square feet**	2,000 sqft.
• **What is the estimated number of samples that will be gathered**	20
• **Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC**	10/1/2025
• **Time sampling will commence**	08:00 MST
• **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**	32.034744, -103.875862

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

Earth Systems
Response & Restoration

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

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JOB DESCRIPTION

Ross Draw Unit #044H
Eddy County, NM

JOB NUMBER

890-8318-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

Released to Imaging: 6/3/2026 2:28:14 PM

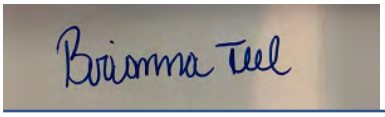
Eurofins Carlsbad

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: Ross Draw Unit #044H

Laboratory Job ID: 890-8318-1
SDG: Eddy County, NM

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Definitions/Glossary

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit #044H

Job ID: 890-8318-1
SDG: Eddy County, NM

Qualifiers

GC VOA

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

GC Semi VOA

Qualifier	Qualifier Description
*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.

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: 890-8318-1
Project: Ross Draw Unit #044H

Job ID: 890-8318-1 Eurofins Carlsbad

Job Narrative
890-8318-1

REVISION

The report being provided is a revision of the original report sent on 6/25/2025. The report (revision 1) is being revised due to Revised to correct sample 006 depth to 0.5'.

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 6/20/2025 3:22 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 0.2°C.

Receipt Exceptions
The following samples were received and analyzed from an unpreserved bulk soil jar: HA-1 (890-8318-1), HA-1 (890-8318-2), HA-1 (890-8318-3), HA-1 (890-8318-4), HA-1 (890-8318-5), HA-2 (890-8318-6), HA-2 (890-8318-7), HA-2 (890-8318-8), HA-2 (890-8318-9) and HA-2 (890-8318-10).

GC VOA
Method 8021B: The matrix spike (MS) recoveries for preparation batch 880-112742 and analytical batch 880-112766 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

Diesel Range Organics
Method 8015MOD_NM: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 880-112767 and analytical batch 880-112828 recovered outside control limits for the following analytes: Diesel Range Organics (Over C10-C28).

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-112767 and analytical batch 880-112828 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (LCS 880-112767/2-A). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

HPLC/IC
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: Ross Draw Unit #044H

Job ID: 890-8318-1
SDG: Eddy County, NM

Client Sample ID: HA-1

Date Collected: 06/19/25 13:00
Date Received: 06/20/25 15:22
Sample Depth: 0.5'

Lab Sample ID: 890-8318-1
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/23/25 09:42	06/23/25 14:01	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/23/25 09:42	06/23/25 14:01	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/23/25 09:42	06/23/25 14:01	1
m-Xylene & p-Xylene	<0.00401	U F1	0.00401		mg/Kg		06/23/25 09:42	06/23/25 14:01	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/23/25 09:42	06/23/25 14:01	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		06/23/25 09:42	06/23/25 14:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*87*		*70 - 130*	*06/23/25 09:42*	*06/23/25 14:01*	*1*
1,4-Difluorobenzene (Surr)	*84*		*70 - 130*	*06/23/25 09:42*	*06/23/25 14:01*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			06/23/25 14:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			06/23/25 18:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		06/23/25 10:11	06/23/25 18:32	1
Diesel Range Organics (Over C10-C28)	<50.1	U *1	50.1		mg/Kg		06/23/25 10:11	06/23/25 18:32	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		06/23/25 10:11	06/23/25 18:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*119*		*70 - 130*	*06/23/25 10:11*	*06/23/25 18:32*	*1*
o-Terphenyl	*122*		*70 - 130*	*06/23/25 10:11*	*06/23/25 18:32*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**100**		9.98		mg/Kg			06/24/25 14:34	1

Client Sample ID: HA-1

Date Collected: 06/19/25 13:05
Date Received: 06/20/25 15:22
Sample Depth: 1

Lab Sample ID: 890-8318-2
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		06/23/25 09:42	06/23/25 14:21	1
Toluene	<0.00198	U	0.00198		mg/Kg		06/23/25 09:42	06/23/25 14:21	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		06/23/25 09:42	06/23/25 14:21	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		06/23/25 09:42	06/23/25 14:21	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		06/23/25 09:42	06/23/25 14:21	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		06/23/25 09:42	06/23/25 14:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*89*		*70 - 130*	*06/23/25 09:42*	*06/23/25 14:21*	*1*

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit #044H

Job ID: 890-8318-1
SDG: Eddy County, NM

Client Sample ID: HA-1
Date Collected: 06/19/25 13:05
Date Received: 06/20/25 15:22
Sample Depth: 1

Lab Sample ID: 890-8318-2
Matrix: Solid

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*71*		*70 - 130*	*06/23/25 09:42*	*06/23/25 14:21*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			06/23/25 14:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			06/23/25 18:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		06/23/25 10:11	06/23/25 18:47	1
Diesel Range Organics (Over C10-C28)	<49.7	U *1	49.7		mg/Kg		06/23/25 10:11	06/23/25 18:47	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		06/23/25 10:11	06/23/25 18:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*118*		*70 - 130*	*06/23/25 10:11*	*06/23/25 18:47*	*1*
o-Terphenyl	*121*		*70 - 130*	*06/23/25 10:11*	*06/23/25 18:47*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**86.4**		9.96		mg/Kg			06/24/25 14:41	1

Client Sample ID: HA-1
Date Collected: 06/19/25 13:10
Date Received: 06/20/25 15:22
Sample Depth: 2

Lab Sample ID: 890-8318-3
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		06/23/25 09:42	06/23/25 14:42	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/23/25 09:42	06/23/25 14:42	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/23/25 09:42	06/23/25 14:42	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/23/25 09:42	06/23/25 14:42	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/23/25 09:42	06/23/25 14:42	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/23/25 09:42	06/23/25 14:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*89*		*70 - 130*	*06/23/25 09:42*	*06/23/25 14:42*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*06/23/25 09:42*	*06/23/25 14:42*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			06/23/25 14:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			06/23/25 19:02	1

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit #044H

Job ID: 890-8318-1
SDG: Eddy County, NM

Client Sample ID: HA-1
Date Collected: 06/19/25 13:10
Date Received: 06/20/25 15:22
Sample Depth: 2

Lab Sample ID: 890-8318-3
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	<49.6	U	49.6		mg/Kg		06/23/25 10:11	06/23/25 19:02	1
Diesel Range Organics (Over C10-C28)	<49.6	U *1	49.6		mg/Kg		06/23/25 10:11	06/23/25 19:02	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		06/23/25 10:11	06/23/25 19:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*119*		*70 - 130*	*06/23/25 10:11*	*06/23/25 19:02*	*1*
o-Terphenyl	*123*		*70 - 130*	*06/23/25 10:11*	*06/23/25 19:02*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**136**		9.92		mg/Kg			06/24/25 14:48	1

Client Sample ID: HA-1
Date Collected: 06/19/25 13:15
Date Received: 06/20/25 15:22
Sample Depth: 3

Lab Sample ID: 890-8318-4
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		06/23/25 09:42	06/23/25 15:02	1
Toluene	<0.00198	U	0.00198		mg/Kg		06/23/25 09:42	06/23/25 15:02	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		06/23/25 09:42	06/23/25 15:02	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		06/23/25 09:42	06/23/25 15:02	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		06/23/25 09:42	06/23/25 15:02	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		06/23/25 09:42	06/23/25 15:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*86*		*70 - 130*	*06/23/25 09:42*	*06/23/25 15:02*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*06/23/25 09:42*	*06/23/25 15:02*	*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			06/23/25 15:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			06/23/25 19:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/23/25 10:11	06/23/25 19:17	1
Diesel Range Organics (Over C10-C28)	<50.0	U *1	50.0		mg/Kg		06/23/25 10:11	06/23/25 19:17	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/23/25 10:11	06/23/25 19:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*118*		*70 - 130*	*06/23/25 10:11*	*06/23/25 19:17*	*1*
o-Terphenyl	*121*		*70 - 130*	*06/23/25 10:11*	*06/23/25 19:17*	*1*

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit #044H

Job ID: 890-8318-1
SDG: Eddy County, NM

Client Sample ID: HA-1
Date Collected: 06/19/25 13:15
Date Received: 06/20/25 15:22
Sample Depth: 3

Lab Sample ID: 890-8318-4
Matrix: Solid

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	114		10.0		mg/Kg			06/24/25 14:55	1

Client Sample ID: HA-1
Date Collected: 06/19/25 13:20
Date Received: 06/20/25 15:22
Sample Depth: 4

Lab Sample ID: 890-8318-5
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		06/23/25 09:42	06/23/25 15:23	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/23/25 09:42	06/23/25 15:23	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/23/25 09:42	06/23/25 15:23	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/23/25 09:42	06/23/25 15:23	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/23/25 09:42	06/23/25 15:23	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/23/25 09:42	06/23/25 15:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*	*06/23/25 09:42*	*06/23/25 15:23*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*06/23/25 09:42*	*06/23/25 15:23*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			06/23/25 15:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			06/23/25 19:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6		mg/Kg		06/23/25 10:11	06/23/25 19:31	1
Diesel Range Organics (Over C10-C28)	<49.6	U *1	49.6		mg/Kg		06/23/25 10:11	06/23/25 19:31	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		06/23/25 10:11	06/23/25 19:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*122*		*70 - 130*	*06/23/25 10:11*	*06/23/25 19:31*	*1*
o-Terphenyl	*125*		*70 - 130*	*06/23/25 10:11*	*06/23/25 19:31*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	131		9.90		mg/Kg			06/24/25 15:17	1

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit #044H

Job ID: 890-8318-1
SDG: Eddy County, NM

Client Sample ID: HA-2

Date Collected: 06/19/25 13:25
Date Received: 06/20/25 15:22
Sample Depth: 0.5'

Lab Sample ID: 890-8318-6
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		06/23/25 09:42	06/23/25 15:44	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/23/25 09:42	06/23/25 15:44	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/23/25 09:42	06/23/25 15:44	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/23/25 09:42	06/23/25 15:44	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/23/25 09:42	06/23/25 15:44	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/23/25 09:42	06/23/25 15:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*	*06/23/25 09:42*	*06/23/25 15:44*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*06/23/25 09:42*	*06/23/25 15:44*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			06/23/25 15:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			06/23/25 19:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/23/25 10:11	06/23/25 19:46	1
Diesel Range Organics (Over C10-C28)	<50.0	U *1	50.0		mg/Kg		06/23/25 10:11	06/23/25 19:46	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/23/25 10:11	06/23/25 19:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*119*		*70 - 130*	*06/23/25 10:11*	*06/23/25 19:46*	*1*
o-Terphenyl	*123*		*70 - 130*	*06/23/25 10:11*	*06/23/25 19:46*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**79.0**		9.90		mg/Kg			06/24/25 15:24	1

Client Sample ID: HA-2

Date Collected: 06/19/25 13:30
Date Received: 06/20/25 15:22
Sample Depth: 1

Lab Sample ID: 890-8318-7
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/23/25 09:42	06/23/25 16:04	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/23/25 09:42	06/23/25 16:04	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/23/25 09:42	06/23/25 16:04	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		06/23/25 09:42	06/23/25 16:04	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/23/25 09:42	06/23/25 16:04	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		06/23/25 09:42	06/23/25 16:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*70 - 130*	*06/23/25 09:42*	*06/23/25 16:04*	*1*

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit #044H

Job ID: 890-8318-1
SDG: Eddy County, NM

Client Sample ID: HA-2

Date Collected: 06/19/25 13:30
Date Received: 06/20/25 15:22
Sample Depth: 1

Lab Sample ID: 890-8318-7
Matrix: Solid

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*06/23/25 09:42*	*06/23/25 16:04*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			06/23/25 16:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			06/23/25 20:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		06/23/25 10:11	06/23/25 20:00	1
Diesel Range Organics (Over C10-C28)	<50.1	U *1	50.1		mg/Kg		06/23/25 10:11	06/23/25 20:00	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		06/23/25 10:11	06/23/25 20:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*117*		*70 - 130*	*06/23/25 10:11*	*06/23/25 20:00*	*1*
o-Terphenyl	*121*		*70 - 130*	*06/23/25 10:11*	*06/23/25 20:00*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**72.3**		10.1		mg/Kg			06/24/25 15:46	1

Client Sample ID: HA-2

Date Collected: 06/19/25 13:35
Date Received: 06/20/25 15:22
Sample Depth: 2

Lab Sample ID: 890-8318-8
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		06/23/25 09:42	06/23/25 16:25	1
Toluene	<0.00201	U	0.00201		mg/Kg		06/23/25 09:42	06/23/25 16:25	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		06/23/25 09:42	06/23/25 16:25	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		06/23/25 09:42	06/23/25 16:25	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		06/23/25 09:42	06/23/25 16:25	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		06/23/25 09:42	06/23/25 16:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*	*06/23/25 09:42*	*06/23/25 16:25*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*06/23/25 09:42*	*06/23/25 16:25*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			06/23/25 16:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3		mg/Kg			06/23/25 20:15	1

Eurofins Carlsbad

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit #044H

Job ID: 890-8318-1
SDG: Eddy County, NM

Client Sample ID: HA-2
Date Collected: 06/19/25 13:35
Date Received: 06/20/25 15:22
Sample Depth: 2

Lab Sample ID: 890-8318-8
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	50.3		mg/Kg		06/23/25 10:11	06/23/25 20:15	1
Diesel Range Organics (Over C10-C28)	<50.3	U *1	50.3		mg/Kg		06/23/25 10:11	06/23/25 20:15	1
Oil Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		06/23/25 10:11	06/23/25 20:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*120*		*70 - 130*	*06/23/25 10:11*	*06/23/25 20:15*	*1*
o-Terphenyl	*124*		*70 - 130*	*06/23/25 10:11*	*06/23/25 20:15*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**105**		10.1		mg/Kg			06/24/25 15:53	1

Client Sample ID: HA-2
Date Collected: 06/19/25 13:40
Date Received: 06/20/25 15:22
Sample Depth: 3

Lab Sample ID: 890-8318-9
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/23/25 09:42	06/23/25 16:45	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/23/25 09:42	06/23/25 16:45	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/23/25 09:42	06/23/25 16:45	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		06/23/25 09:42	06/23/25 16:45	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/23/25 09:42	06/23/25 16:45	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		06/23/25 09:42	06/23/25 16:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*87*		*70 - 130*	*06/23/25 09:42*	*06/23/25 16:45*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*06/23/25 09:42*	*06/23/25 16:45*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			06/23/25 16:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			06/23/25 20:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		06/23/25 10:11	06/23/25 20:30	1
Diesel Range Organics (Over C10-C28)	<49.9	U *1	49.9		mg/Kg		06/23/25 10:11	06/23/25 20:30	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/23/25 10:11	06/23/25 20:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*120*		*70 - 130*	*06/23/25 10:11*	*06/23/25 20:30*	*1*
o-Terphenyl	*124*		*70 - 130*	*06/23/25 10:11*	*06/23/25 20:30*	*1*

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit #044H

Job ID: 890-8318-1
SDG: Eddy County, NM

Client Sample ID: HA-2
Date Collected: 06/19/25 13:40
Date Received: 06/20/25 15:22
Sample Depth: 3

Lab Sample ID: 890-8318-9
Matrix: Solid

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	94.2		9.96		mg/Kg			06/24/25 16:00	1

Client Sample ID: HA-2
Date Collected: 06/19/25 13:45
Date Received: 06/20/25 15:22
Sample Depth: 4

Lab Sample ID: 890-8318-10
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		06/23/25 09:42	06/23/25 17:06	1
Toluene	<0.00201	U	0.00201		mg/Kg		06/23/25 09:42	06/23/25 17:06	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		06/23/25 09:42	06/23/25 17:06	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		06/23/25 09:42	06/23/25 17:06	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		06/23/25 09:42	06/23/25 17:06	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		06/23/25 09:42	06/23/25 17:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*	*06/23/25 09:42*	*06/23/25 17:06*	*1*
1,4-Difluorobenzene (Surr)	*83*		*70 - 130*	*06/23/25 09:42*	*06/23/25 17:06*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			06/23/25 17:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			06/23/25 21:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		06/23/25 10:11	06/23/25 21:01	1
Diesel Range Organics (Over C10-C28)	<49.7	U *1	49.7		mg/Kg		06/23/25 10:11	06/23/25 21:01	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		06/23/25 10:11	06/23/25 21:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*121*		*70 - 130*	*06/23/25 10:11*	*06/23/25 21:01*	*1*
o-Terphenyl	*125*		*70 - 130*	*06/23/25 10:11*	*06/23/25 21:01*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	174		10.0		mg/Kg			06/24/25 16:07	1

Surrogate Summary

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit #044H

Job ID: 890-8318-1
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)
890-8318-1	HA-1	87	84
890-8318-1 MS	HA-1	91	91
890-8318-1 MSD	HA-1	90	97
890-8318-2	HA-1	89	71
890-8318-3	HA-1	89	95
890-8318-4	HA-1	86	91
890-8318-5	HA-1	97	91
890-8318-6	HA-2	92	97
890-8318-7	HA-2	91	90
890-8318-8	HA-2	93	96
890-8318-9	HA-2	87	91
890-8318-10	HA-2	100	83
LCS 880-112742/1-A	Lab Control Sample	91	96
LCSD 880-112742/2-A	Lab Control Sample Dup	102	96
MB 880-112742/5-A	Method Blank	86	92

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)
890-8318-1	HA-1	119	122
890-8318-2	HA-1	118	121
890-8318-3	HA-1	119	123
890-8318-4	HA-1	118	121
890-8318-5	HA-1	122	125
890-8318-6	HA-2	119	123
890-8318-7	HA-2	117	121
890-8318-8	HA-2	120	124
890-8318-9	HA-2	120	124
890-8318-10	HA-2	121	125
LCS 880-112767/2-A	Lab Control Sample	138 S1+	133 S1+
LCSD 880-112767/3-A	Lab Control Sample Dup	82	77
MB 880-112767/1-A	Method Blank	130	131 S1+

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit #044H

Job ID: 890-8318-1
SDG: Eddy County, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-112742/5-A
Matrix: Solid
Analysis Batch: 112766

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 112742

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/23/25 09:42	06/23/25 13:39	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/23/25 09:42	06/23/25 13:39	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/23/25 09:42	06/23/25 13:39	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/23/25 09:42	06/23/25 13:39	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/23/25 09:42	06/23/25 13:39	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/23/25 09:42	06/23/25 13:39	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*86*		*70 - 130*	*06/23/25 09:42*	*06/23/25 13:39*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*06/23/25 09:42*	*06/23/25 13:39*	*1*

Lab Sample ID: LCS 880-112742/1-A
Matrix: Solid
Analysis Batch: 112766

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 112742

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09095		mg/Kg		91	70 - 130
Toluene	0.100	0.09077		mg/Kg		91	70 - 130
Ethylbenzene	0.100	0.09204		mg/Kg		92	70 - 130
m-Xylene & p-Xylene	0.200	0.1644		mg/Kg		82	70 - 130
o-Xylene	0.100	0.08370		mg/Kg		84	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*91*		*70 - 130*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*

Lab Sample ID: LCSD 880-112742/2-A
Matrix: Solid
Analysis Batch: 112766

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 112742

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09500		mg/Kg		95	70 - 130	4	35
Toluene	0.100	0.09604		mg/Kg		96	70 - 130	6	35
Ethylbenzene	0.100	0.1000		mg/Kg		100	70 - 130	8	35
m-Xylene & p-Xylene	0.200	0.2003		mg/Kg		100	70 - 130	20	35
o-Xylene	0.100	0.1011		mg/Kg		101	70 - 130	19	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*

Lab Sample ID: 890-8318-1 MS
Matrix: Solid
Analysis Batch: 112766

Client Sample ID: HA-1
Prep Type: Total/NA
Prep Batch: 112742

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.100	0.07360		mg/Kg		74	70 - 130
Toluene	<0.00200	U	0.100	0.07805		mg/Kg		78	70 - 130

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit #044H

Job ID: 890-8318-1
SDG: Eddy County, NM

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

Lab Sample ID: 890-8318-1 MS
Matrix: Solid
Analysis Batch: 112766

Client Sample ID: HA-1
Prep Type: Total/NA
Prep Batch: 112742

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00200	U	0.100	0.07949		mg/Kg		79	70 - 130
m-Xylene & p-Xylene	<0.00401	U F1	0.200	0.1381	F1	mg/Kg		69	70 - 130
o-Xylene	<0.00200	U	0.100	0.07065		mg/Kg		71	70 - 130

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

Lab Sample ID: 890-8318-1 MSD
Matrix: Solid
Analysis Batch: 112766

Client Sample ID: HA-1
Prep Type: Total/NA
Prep Batch: 112742

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	0.09712		mg/Kg		97	70 - 130	28	35
Toluene	<0.00200	U	0.100	0.09809		mg/Kg		98	70 - 130	23	35
Ethylbenzene	<0.00200	U	0.100	0.09847		mg/Kg		98	70 - 130	21	35
m-Xylene & p-Xylene	<0.00401	U F1	0.200	0.1737		mg/Kg		87	70 - 130	23	35
o-Xylene	<0.00200	U	0.100	0.08625		mg/Kg		86	70 - 130	20	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*90*		*70 - 130*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*

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

Lab Sample ID: MB 880-112767/1-A
Matrix: Solid
Analysis Batch: 112828

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 112767

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/23/25 10:10	06/23/25 09:14	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/23/25 10:10	06/23/25 09:14	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/23/25 10:10	06/23/25 09:14	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*130*		*70 - 130*	*06/23/25 10:10*	*06/23/25 09:14*	*1*
o-Terphenyl	*131*	*S1+*	*70 - 130*	*06/23/25 10:10*	*06/23/25 09:14*	*1*

Lab Sample ID: LCS 880-112767/2-A
Matrix: Solid
Analysis Batch: 112828

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 112767

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1247		mg/Kg		125	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1212		mg/Kg		121	70 - 130

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit #044H

Job ID: 890-8318-1
SDG: Eddy County, NM

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

Lab Sample ID: LCS 880-112767/2-A
Matrix: Solid
Analysis Batch: 112828

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 112767

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*138*	*S1+*	*70 - 130*
o-Terphenyl	*133*	*S1+*	*70 - 130*

Lab Sample ID: LCSD 880-112767/3-A
Matrix: Solid
Analysis Batch: 112828

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 112767

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1069		mg/Kg		107	70 - 130	15	20
Diesel Range Organics (Over C10-C28)	1000	869.3	*1	mg/Kg		87	70 - 130	33	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*82*		*70 - 130*
o-Terphenyl	*77*		*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-112810/1-A
Matrix: Solid
Analysis Batch: 112850

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			06/24/25 12:53	1

Lab Sample ID: LCS 880-112810/2-A
Matrix: Solid
Analysis Batch: 112850

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	254.5		mg/Kg		102	90 - 110

Lab Sample ID: LCSD 880-112810/3-A
Matrix: Solid
Analysis Batch: 112850

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	252.8		mg/Kg		101	90 - 110	1	20

Lab Sample ID: 890-8318-4 MS
Matrix: Solid
Analysis Batch: 112850

Client Sample ID: HA-1
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	114		251	377.0		mg/Kg		105	90 - 110

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit #044H

Job ID: 890-8318-1
SDG: Eddy County, NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 890-8318-4 MSD
Matrix: Solid
Analysis Batch: 112850

Client Sample ID: HA-1
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	114		251	383.8		mg/Kg		108	90 - 110	2	20

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit #044H

Job ID: 890-8318-1
SDG: Eddy County, NM

GC VOA

Prep Batch: 112742

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8318-1	HA-1	Total/NA	Solid	5035	
890-8318-2	HA-1	Total/NA	Solid	5035	
890-8318-3	HA-1	Total/NA	Solid	5035	
890-8318-4	HA-1	Total/NA	Solid	5035	
890-8318-5	HA-1	Total/NA	Solid	5035	
890-8318-6	HA-2	Total/NA	Solid	5035	
890-8318-7	HA-2	Total/NA	Solid	5035	
890-8318-8	HA-2	Total/NA	Solid	5035	
890-8318-9	HA-2	Total/NA	Solid	5035	
890-8318-10	HA-2	Total/NA	Solid	5035	
MB 880-112742/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-112742/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-112742/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-8318-1 MS	HA-1	Total/NA	Solid	5035	
890-8318-1 MSD	HA-1	Total/NA	Solid	5035	

Analysis Batch: 112766

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8318-1	HA-1	Total/NA	Solid	8021B	112742
890-8318-2	HA-1	Total/NA	Solid	8021B	112742
890-8318-3	HA-1	Total/NA	Solid	8021B	112742
890-8318-4	HA-1	Total/NA	Solid	8021B	112742
890-8318-5	HA-1	Total/NA	Solid	8021B	112742
890-8318-6	HA-2	Total/NA	Solid	8021B	112742
890-8318-7	HA-2	Total/NA	Solid	8021B	112742
890-8318-8	HA-2	Total/NA	Solid	8021B	112742
890-8318-9	HA-2	Total/NA	Solid	8021B	112742
890-8318-10	HA-2	Total/NA	Solid	8021B	112742
MB 880-112742/5-A	Method Blank	Total/NA	Solid	8021B	112742
LCS 880-112742/1-A	Lab Control Sample	Total/NA	Solid	8021B	112742
LCSD 880-112742/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	112742
890-8318-1 MS	HA-1	Total/NA	Solid	8021B	112742
890-8318-1 MSD	HA-1	Total/NA	Solid	8021B	112742

Analysis Batch: 112958

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8318-1	HA-1	Total/NA	Solid	Total BTEX	
890-8318-2	HA-1	Total/NA	Solid	Total BTEX	
890-8318-3	HA-1	Total/NA	Solid	Total BTEX	
890-8318-4	HA-1	Total/NA	Solid	Total BTEX	
890-8318-5	HA-1	Total/NA	Solid	Total BTEX	
890-8318-6	HA-2	Total/NA	Solid	Total BTEX	
890-8318-7	HA-2	Total/NA	Solid	Total BTEX	
890-8318-8	HA-2	Total/NA	Solid	Total BTEX	
890-8318-9	HA-2	Total/NA	Solid	Total BTEX	
890-8318-10	HA-2	Total/NA	Solid	Total BTEX	

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit #044H

Job ID: 890-8318-1
SDG: Eddy County, NM

GC Semi VOA

Prep Batch: 112767

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8318-1	HA-1	Total/NA	Solid	8015NM Prep	
890-8318-2	HA-1	Total/NA	Solid	8015NM Prep	
890-8318-3	HA-1	Total/NA	Solid	8015NM Prep	
890-8318-4	HA-1	Total/NA	Solid	8015NM Prep	
890-8318-5	HA-1	Total/NA	Solid	8015NM Prep	
890-8318-6	HA-2	Total/NA	Solid	8015NM Prep	
890-8318-7	HA-2	Total/NA	Solid	8015NM Prep	
890-8318-8	HA-2	Total/NA	Solid	8015NM Prep	
890-8318-9	HA-2	Total/NA	Solid	8015NM Prep	
890-8318-10	HA-2	Total/NA	Solid	8015NM Prep	
MB 880-112767/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-112767/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-112767/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 112828

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8318-1	HA-1	Total/NA	Solid	8015B NM	112767
890-8318-2	HA-1	Total/NA	Solid	8015B NM	112767
890-8318-3	HA-1	Total/NA	Solid	8015B NM	112767
890-8318-4	HA-1	Total/NA	Solid	8015B NM	112767
890-8318-5	HA-1	Total/NA	Solid	8015B NM	112767
890-8318-6	HA-2	Total/NA	Solid	8015B NM	112767
890-8318-7	HA-2	Total/NA	Solid	8015B NM	112767
890-8318-8	HA-2	Total/NA	Solid	8015B NM	112767
890-8318-9	HA-2	Total/NA	Solid	8015B NM	112767
890-8318-10	HA-2	Total/NA	Solid	8015B NM	112767
MB 880-112767/1-A	Method Blank	Total/NA	Solid	8015B NM	112767
LCS 880-112767/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	112767
LCSD 880-112767/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	112767

Analysis Batch: 112906

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8318-1	HA-1	Total/NA	Solid	8015 NM	
890-8318-2	HA-1	Total/NA	Solid	8015 NM	
890-8318-3	HA-1	Total/NA	Solid	8015 NM	
890-8318-4	HA-1	Total/NA	Solid	8015 NM	
890-8318-5	HA-1	Total/NA	Solid	8015 NM	
890-8318-6	HA-2	Total/NA	Solid	8015 NM	
890-8318-7	HA-2	Total/NA	Solid	8015 NM	
890-8318-8	HA-2	Total/NA	Solid	8015 NM	
890-8318-9	HA-2	Total/NA	Solid	8015 NM	
890-8318-10	HA-2	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 112810

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8318-1	HA-1	Soluble	Solid	DI Leach	
890-8318-2	HA-1	Soluble	Solid	DI Leach	
890-8318-3	HA-1	Soluble	Solid	DI Leach	
890-8318-4	HA-1	Soluble	Solid	DI Leach	

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit #044H

Job ID: 890-8318-1
SDG: Eddy County, NM

HPLC/IC (Continued)

Leach Batch: 112810 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8318-5	HA-1	Soluble	Solid	DI Leach	
890-8318-6	HA-2	Soluble	Solid	DI Leach	
890-8318-7	HA-2	Soluble	Solid	DI Leach	
890-8318-8	HA-2	Soluble	Solid	DI Leach	
890-8318-9	HA-2	Soluble	Solid	DI Leach	
890-8318-10	HA-2	Soluble	Solid	DI Leach	
MB 880-112810/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-112810/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-112810/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-8318-4 MS	HA-1	Soluble	Solid	DI Leach	
890-8318-4 MSD	HA-1	Soluble	Solid	DI Leach	

Analysis Batch: 112850

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8318-1	HA-1	Soluble	Solid	300.0	112810
890-8318-2	HA-1	Soluble	Solid	300.0	112810
890-8318-3	HA-1	Soluble	Solid	300.0	112810
890-8318-4	HA-1	Soluble	Solid	300.0	112810
890-8318-5	HA-1	Soluble	Solid	300.0	112810
890-8318-6	HA-2	Soluble	Solid	300.0	112810
890-8318-7	HA-2	Soluble	Solid	300.0	112810
890-8318-8	HA-2	Soluble	Solid	300.0	112810
890-8318-9	HA-2	Soluble	Solid	300.0	112810
890-8318-10	HA-2	Soluble	Solid	300.0	112810
MB 880-112810/1-A	Method Blank	Soluble	Solid	300.0	112810
LCS 880-112810/2-A	Lab Control Sample	Soluble	Solid	300.0	112810
LCSD 880-112810/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	112810
890-8318-4 MS	HA-1	Soluble	Solid	300.0	112810
890-8318-4 MSD	HA-1	Soluble	Solid	300.0	112810

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit #044H

Job ID: 890-8318-1
SDG: Eddy County, NM

Client Sample ID: HA-1
Date Collected: 06/19/25 13:00
Date Received: 06/20/25 15:22

Lab Sample ID: 890-8318-1
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			4.99 g	5 mL	112742	06/23/25 09:42	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	112766	06/23/25 14:01	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			112958	06/23/25 14:01	SA	EET MID
Total/NA	Analysis	8015 NM		1			112906	06/23/25 18:32	SA	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10 mL	112767	06/23/25 10:11	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	112828	06/23/25 18:32	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	112810	06/23/25 14:04	SA	EET MID
Soluble	Analysis	300.0		1			112850	06/24/25 14:34	CS	EET MID

Client Sample ID: HA-1
Date Collected: 06/19/25 13:05
Date Received: 06/20/25 15:22

Lab Sample ID: 890-8318-2
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			5.05 g	5 mL	112742	06/23/25 09:42	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	112766	06/23/25 14:21	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			112958	06/23/25 14:21	SA	EET MID
Total/NA	Analysis	8015 NM		1			112906	06/23/25 18:47	SA	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	112767	06/23/25 10:11	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	112828	06/23/25 18:47	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	112810	06/23/25 14:04	SA	EET MID
Soluble	Analysis	300.0		1			112850	06/24/25 14:41	CS	EET MID

Client Sample ID: HA-1
Date Collected: 06/19/25 13:10
Date Received: 06/20/25 15:22

Lab Sample ID: 890-8318-3
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	112742	06/23/25 09:42	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	112766	06/23/25 14:42	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			112958	06/23/25 14:42	SA	EET MID
Total/NA	Analysis	8015 NM		1			112906	06/23/25 19:02	SA	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	112767	06/23/25 10:11	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	112828	06/23/25 19:02	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	112810	06/23/25 14:04	SA	EET MID
Soluble	Analysis	300.0		1			112850	06/24/25 14:48	CS	EET MID

Client Sample ID: HA-1
Date Collected: 06/19/25 13:15
Date Received: 06/20/25 15:22

Lab Sample ID: 890-8318-4
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			5.04 g	5 mL	112742	06/23/25 09:42	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	112766	06/23/25 15:02	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			112958	06/23/25 15:02	SA	EET MID

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Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit #044H

Job ID: 890-8318-1
SDG: Eddy County, NM

Client Sample ID: HA-1
Date Collected: 06/19/25 13:15
Date Received: 06/20/25 15:22

Lab Sample ID: 890-8318-4
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			112906	06/23/25 19:17	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	112767	06/23/25 10:11	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	112828	06/23/25 19:17	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	112810	06/23/25 14:04	SA	EET MID
Soluble	Analysis	300.0		1			112850	06/24/25 14:55	CS	EET MID

Client Sample ID: HA-1
Date Collected: 06/19/25 13:20
Date Received: 06/20/25 15:22

Lab Sample ID: 890-8318-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	112742	06/23/25 09:42	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	112766	06/23/25 15:23	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			112958	06/23/25 15:23	SA	EET MID
Total/NA	Analysis	8015 NM		1			112906	06/23/25 19:31	SA	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10 mL	112767	06/23/25 10:11	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	112828	06/23/25 19:31	TKC	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	112810	06/23/25 14:04	SA	EET MID
Soluble	Analysis	300.0		1			112850	06/24/25 15:17	CS	EET MID

Client Sample ID: HA-2
Date Collected: 06/19/25 13:25
Date Received: 06/20/25 15:22

Lab Sample ID: 890-8318-6
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	112742	06/23/25 09:42	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	112766	06/23/25 15:44	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			112958	06/23/25 15:44	SA	EET MID
Total/NA	Analysis	8015 NM		1			112906	06/23/25 19:46	SA	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	112767	06/23/25 10:11	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	112828	06/23/25 19:46	TKC	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	112810	06/23/25 14:04	SA	EET MID
Soluble	Analysis	300.0		1			112850	06/24/25 15:24	CS	EET MID

Client Sample ID: HA-2
Date Collected: 06/19/25 13:30
Date Received: 06/20/25 15:22

Lab Sample ID: 890-8318-7
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			5.01 g	5 mL	112742	06/23/25 09:42	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	112766	06/23/25 16:04	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			112958	06/23/25 16:04	SA	EET MID
Total/NA	Analysis	8015 NM		1			112906	06/23/25 20:00	SA	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10 mL	112767	06/23/25 10:11	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	112828	06/23/25 20:00	TKC	EET MID

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit #044H

Job ID: 890-8318-1
SDG: Eddy County, NM

Client Sample ID: HA-2
Date Collected: 06/19/25 13:30
Date Received: 06/20/25 15:22

Lab Sample ID: 890-8318-7
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			4.95 g	50 mL	112810	06/23/25 14:04	SA	EET MID
Soluble	Analysis	300.0		1			112850	06/24/25 15:46	CS	EET MID

Client Sample ID: HA-2
Date Collected: 06/19/25 13:35
Date Received: 06/20/25 15:22

Lab Sample ID: 890-8318-8
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			4.97 g	5 mL	112742	06/23/25 09:42	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	112766	06/23/25 16:25	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			112958	06/23/25 16:25	SA	EET MID
Total/NA	Analysis	8015 NM		1			112906	06/23/25 20:15	SA	EET MID
Total/NA	Prep	8015NM Prep			9.95 g	10 mL	112767	06/23/25 10:11	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	112828	06/23/25 20:15	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	112810	06/23/25 14:04	SA	EET MID
Soluble	Analysis	300.0		1			112850	06/24/25 15:53	CS	EET MID

Client Sample ID: HA-2
Date Collected: 06/19/25 13:40
Date Received: 06/20/25 15:22

Lab Sample ID: 890-8318-9
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			4.99 g	5 mL	112742	06/23/25 09:42	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	112766	06/23/25 16:45	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			112958	06/23/25 16:45	SA	EET MID
Total/NA	Analysis	8015 NM		1			112906	06/23/25 20:30	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	112767	06/23/25 10:11	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	112828	06/23/25 20:30	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	112810	06/23/25 14:04	SA	EET MID
Soluble	Analysis	300.0		1			112850	06/24/25 16:00	CS	EET MID

Client Sample ID: HA-2
Date Collected: 06/19/25 13:45
Date Received: 06/20/25 15:22

Lab Sample ID: 890-8318-10
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			4.98 g	5 mL	112742	06/23/25 09:42	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	112766	06/23/25 17:06	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			112958	06/23/25 17:06	SA	EET MID
Total/NA	Analysis	8015 NM		1			112906	06/23/25 21:01	SA	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	112767	06/23/25 10:11	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	112828	06/23/25 21:01	TKC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	112810	06/23/25 14:04	SA	EET MID
Soluble	Analysis	300.0		1			112850	06/24/25 16:07	CS	EET MID

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit #044H

Job ID: 890-8318-1
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: 890-8318-1
Project/Site: Ross Draw Unit #044H
SDG: Eddy County, NM

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-25

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

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

Method Summary

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit #044H

Job ID: 890-8318-1
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: Ross Draw Unit #044H

Job ID: 890-8318-1
SDG: Eddy County, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-8318-1	HA-1	Solid	06/19/25 13:00	06/20/25 15:22	0.5'
890-8318-2	HA-1	Solid	06/19/25 13:05	06/20/25 15:22	1
890-8318-3	HA-1	Solid	06/19/25 13:10	06/20/25 15:22	2
890-8318-4	HA-1	Solid	06/19/25 13:15	06/20/25 15:22	3
890-8318-5	HA-1	Solid	06/19/25 13:20	06/20/25 15:22	4
890-8318-6	HA-2	Solid	06/19/25 13:25	06/20/25 15:22	0.5'
890-8318-7	HA-2	Solid	06/19/25 13:30	06/20/25 15:22	1
890-8318-8	HA-2	Solid	06/19/25 13:35	06/20/25 15:22	2
890-8318-9	HA-2	Solid	06/19/25 13:40	06/20/25 15:22	3
890-8318-10	HA-2	Solid	06/19/25 13:45	06/20/25 15:22	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

890-8318 Chain of Custody

8/11/2025 (Rev. 1)

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

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:	ROSS DRAW UNIT #044H	Turn Around	☑ Routine ☐ Rush
Project Number:	155	Due Date:	~~Routine TAT~~
Project Location:	Eddy County, NM	TAT starts the day received by the lab, if received by 4:30pm	
Sampler's Name:	Santiago Giron		
CC/WO #:	21547716		

SAMPLE RECEIPT			
Temp Blank:	(Yes) No	Wet Ice:	(Yes) No
Samples Received Intact:	(Yes) No	Thermometer ID:	INM007
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-0.2
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	0.4
Total Containers:		Corrected Temperature:	0.2

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	6.19.25	13:00	0.5	Grab/	1	X	X	X			Incident Number
HA-1	S	6.19.25	13:05	1	Grab/	1	X	X	X			nAPP2508325453
HA-1	S	6.19.25	13:10	2	Grab/	1	X	X	X			
HA-1	S	6.19.25	13:15	3	Grab/	1	X	X	X			
HA-1	S	6.19.25	13:20	4	Grab/	1	X	X	X			
HA-2	S	6.19.25	13:25	0.5	Grab/	1	X	X	X			
HA-2	S	6.19.25	13:30	1	Grab/	1	X	X	X			
HA-2	S	6.19.25	13:35	2	Grab/	1	X	X	X			
HA-2	S	6.19.25	13:40	3	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			6/20 1522	2		
3				4		
5				6		

Revised Date: 08/25/2020 Rev. 2020.2

Received by OCD: 5/18/2026 12:12:15 PM

Released to Imaging: 6/3/2026 2:28:14 PM

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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)	Jim Raley
Company Name:	Earth Systems R&R	Company Name:	Devon Energy
Address:	1910 Resource Ct.	Address:	
City, State ZIP:	Carlsbad, NM, 88220	City, State ZIP:	
Phone:	832-541-7719	Email:	gmoreno@earthsys.net

Work Order Comments

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

Project Name:	ROSS DRAW UNIT #044H	Turn Around	☑ Routine ☐ Rush
Project Number:	155	Due Date:	~~Routine TAT~~
Project Location:	Eddy County, NM	TAT starts the day received by the lab, if received by 4:30pm	
Sampler's Name:	Santiago Giron		
CC/WO #:	21547716		

SAMPLE RECEIPT			
Temp Blank:	(Yes) No	Wet Ice:	(Yes) No
Samples Received Intact:	(Yes) No	Thermometer ID:	TM007
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-0.2
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	0.4
Total Containers:		Corrected Temperature:	0.2

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-2	S	6.19.25	13:45	4	Grab/	1	X	X	X			Incident Number
												nAPP2508325453

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			2		
3			4		
5			6		

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

Received by OCD: 5/18/2026 12:12:15 PM

Released to Imaging: 6/3/2026 2:28:14 PM

Released to Imaging: 6/3/2026 2:28:14 PM
Received by OCD: 5/18/2026 12:12:15 PM

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

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Teel, Brianna	Carrier Tracking No(s): N/A	COC No: 890-5288.1
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 #: 890-8318-1
Address: 1211 W. Florida Ave,	Due Date Requested: 6/26/2025			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: ROSS DRAW UNIT #044H	Project #: 88001228			
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)	Total_BTEX_GCV	8021B/5035FP_CalcBTEX	300_ORGFM_28D/DI_LEACHChloride	8015MOD_Calc	8015MOD_NM/8015NM_S_Prep8015 NM	Total Number of containers	Special Instructions/Note:
			Preservation Code:										
HA-1 (890-8318-1)	6/19/25	13:00 Mountain	G	Solid			X	X	X	X	X	1	
HA-1 (890-8318-2)	6/19/25	13:05 Mountain	G	Solid			X	X	X	X	X	1	
HA-1 (890-8318-3)	6/19/25	13:10 Mountain	G	Solid			X	X	X	X	X	1	
HA-1 (890-8318-4)	6/19/25	13:15 Mountain	G	Solid			X	X	X	X	X	1	
HA-1 (890-8318-5)	6/19/25	13:20 Mountain	G	Solid			X	X	X	X	X	1	
HA-2 (890-8318-6)	6/19/25	13:25 Mountain	G	Solid			X	X	X	X	X	1	
HA-2 (890-8318-7)	6/19/25	13:30 Mountain	G	Solid			X	X	X	X	X	1	
HA-2 (890-8318-8)	6/19/25	13:35 Mountain	G	Solid			X	X	X	X	X	1	
HA-2 (890-8318-9)	6/19/25	13:40 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
1		16:14 6/20				
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 6/21/25 08:00	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks: TR-L -0.1

Released to Imaging: 6/3/2026 2:28:14 PM
Received by OCD: 5/18/2026 12:12:15 PM

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

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Teel, Brianna	Carrier Tracking No(s): N/A	COC No: 890-5288.2
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 #: 890-8318-1
Address: 1211 W. Florida Ave, ,	Due Date Requested: 6/26/2025			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: ROSS DRAW UNIT #044H	Project #: 88001228			
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)	Total_BTEX_GCV	8021B/5035FP_CalcBTEX	300_ORGFM_28D/DI_LEACHChloride	8015MOD_Calc	8015MOD_NM/8015NM_S_Prep8015 NM	Total Number of containers	Special Instructions/Note:
			Preservation Code:										
HA-2 (890-8318-10)	6/19/25	13:45 Mountain	G	Solid			X	X	X	X	X	1	

Analysis Requested

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
abh	16:18 6/20				
Relinquished by:	Date/Time:	Company	Received by: Teddy Randall Lee	Date/Time: 6/24/25 08:00	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: 2.2/4.1 °C IR-8 (-01)

Login Sample Receipt Checklist

Client: Earth Systems Response and Restoration

Job Number: 890-8318-1
SDG Number: Eddy County, NM

Login Number: 8318
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: 890-8318-1
SDG Number: Eddy County, NM

Login Number: 8318
List Number: 2
Creator: Rios, Minerva

List Source: Eurofins Midland
List Creation: 06/23/25 11:02 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 6/25/2025 11:13:10 AM

JOB DESCRIPTION

Ross Draw Unit #044H
Eddy County, NM

JOB NUMBER

890-8319-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

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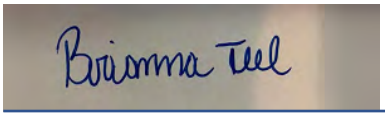
Eurofins Carlsbad

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
6/25/2025 11:13:10 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: Ross Draw Unit #044H

Laboratory Job ID: 890-8319-1
SDG: Eddy County, NM

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Definitions/Glossary

Client: Earth Systems Response and Restoration
Job ID: 890-8319-1
Project/Site: Ross Draw Unit #044H
SDG: Eddy County, NM

Qualifiers

GC VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
U	Indicates the analyte was analyzed for but not detected.

GC Semi 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.

HPLC/IC

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
F1	MS and/or MSD recovery exceeds control limits.
U	Indicates the analyte was analyzed for but not detected.

Glossary

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

Case Narrative

Client: Earth Systems Response and Restoration
Job ID: 890-8319-1
Project: Ross Draw Unit #044H

Job ID: 890-8319-1 — Eurofins Carlsbad

Job Narrative
890-8319-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 6/20/2025 3:22 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 0.2°C.

Receipt Exceptions
The following samples were received and analyzed from an unpreserved bulk soil jar: HA - 3 (890-8319-1), HA - 3 (890-8319-2), HA - 3 (890-8319-3), HA - 3 (890-8319-4), HA - 3 (890-8319-5), HA - 4 (890-8319-6), HA - 4 (890-8319-7), HA - 4 (890-8319-8), HA - 5 (890-8319-9), HA - 5 (890-8319-10), HA - 5 (890-8319-11), HA - 5 (890-8319-12), HA - 5 (890-8319-13), HA - 6 (890-8319-14), HA - 6 (890-8319-15), HA - 6 (890-8319-16), HA - 6 (890-8319-17), HA - 6 (890-8319-18), HA - 7 (890-8319-19), HA - 7 (890-8319-20), HA - 7 (890-8319-21), HA - 7 (890-8319-22) and HA - 7 (890-8319-23).

GC VOA
Method 8021B: The matrix spike (MS) recoveries for preparation batch 880-112755 and analytical batch 880-112727 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8021B: The continuing calibration verification (CCV) associated with batch 880-112727 recovered above the upper control limit for Benzene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is:(CCV 880-112727/20).

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

Diesel Range Organics
Method 8015MOD_NM: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 880-112767 and analytical batch 880-112828 recovered outside control limits for the following analytes: Diesel Range Organics (Over C10-C28).

Method 8015MOD_NM: The laboratory control sample (LCS) associated with preparation batch 880-112769 and analytical batch 880-112828 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-112767 and analytical batch 880-112828 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (LCS 880-112767/2-A). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: HA - 5 (890-8319-10) and HA - 7 (890-8319-19). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (890-8319-A-10-C MS) and (890-8319-A-10-D MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: HA - 6 (890-8319-18). Evidence of

Case Narrative

Client: Earth Systems Response and Restoration
Job ID: 890-8319-1
Project: Ross Draw Unit #044H

matrix interferences is not obvious.

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

HPLC/IC
Method 300_ORGFM_28D - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-112811 and analytical batch 880-112848 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

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

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit #044H

Job ID: 890-8319-1
SDG: Eddy County, NM

Client Sample ID: HA - 3

Date Collected: 06/19/25 13:50
Date Received: 06/20/25 15:22
Sample Depth: 0.5

Lab Sample ID: 890-8319-1
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/23/25 09:51	06/23/25 12:28	1
Toluene	<0.00200	U F1	0.00200		mg/Kg		06/23/25 09:51	06/23/25 12:28	1
Ethylbenzene	<0.00200	U F1 F2	0.00200		mg/Kg		06/23/25 09:51	06/23/25 12:28	1
m-Xylene & p-Xylene	<0.00401	U F1 F2	0.00401		mg/Kg		06/23/25 09:51	06/23/25 12:28	1
o-Xylene	<0.00200	U F1 F2	0.00200		mg/Kg		06/23/25 09:51	06/23/25 12:28	1
Xylenes, Total	<0.00401	U F1 F2	0.00401		mg/Kg		06/23/25 09:51	06/23/25 12:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*	*06/23/25 09:51*	*06/23/25 12:28*	*1*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*06/23/25 09:51*	*06/23/25 12:28*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			06/23/25 12:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3		mg/Kg			06/23/25 21:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	50.3		mg/Kg		06/23/25 10:11	06/23/25 21:16	1
Diesel Range Organics (Over C10-C28)	<50.3	U *1	50.3		mg/Kg		06/23/25 10:11	06/23/25 21:16	1
Oil Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		06/23/25 10:11	06/23/25 21:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*120*		*70 - 130*	*06/23/25 10:11*	*06/23/25 21:16*	*1*
o-Terphenyl	*123*		*70 - 130*	*06/23/25 10:11*	*06/23/25 21:16*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**540**		9.92		mg/Kg			06/24/25 16:14	1

Client Sample ID: HA - 3

Date Collected: 06/19/25 13:55
Date Received: 06/20/25 15:22
Sample Depth: 1

Lab Sample ID: 890-8319-2
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		06/23/25 09:51	06/23/25 12:48	1
Toluene	<0.00198	U	0.00198		mg/Kg		06/23/25 09:51	06/23/25 12:48	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		06/23/25 09:51	06/23/25 12:48	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		06/23/25 09:51	06/23/25 12:48	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		06/23/25 09:51	06/23/25 12:48	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		06/23/25 09:51	06/23/25 12:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*	*06/23/25 09:51*	*06/23/25 12:48*	*1*

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit #044H

Job ID: 890-8319-1
SDG: Eddy County, NM

Client Sample ID: HA - 3

Date Collected: 06/19/25 13:55
Date Received: 06/20/25 15:22
Sample Depth: 1

Lab Sample ID: 890-8319-2
Matrix: Solid

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*06/23/25 09:51*	*06/23/25 12:48*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			06/23/25 12:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			06/23/25 21:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		06/23/25 10:11	06/23/25 21:31	1
Diesel Range Organics (Over C10-C28)	<49.7	U *1	49.7		mg/Kg		06/23/25 10:11	06/23/25 21:31	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		06/23/25 10:11	06/23/25 21:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*121*		*70 - 130*	*06/23/25 10:11*	*06/23/25 21:31*	*1*
o-Terphenyl	*124*		*70 - 130*	*06/23/25 10:11*	*06/23/25 21:31*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**373**		9.92		mg/Kg			06/24/25 16:21	1

Client Sample ID: HA - 3

Date Collected: 06/19/25 14:00
Date Received: 06/20/25 15:22
Sample Depth: 2

Lab Sample ID: 890-8319-3
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		06/23/25 09:51	06/23/25 13:09	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/23/25 09:51	06/23/25 13:09	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/23/25 09:51	06/23/25 13:09	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/23/25 09:51	06/23/25 13:09	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/23/25 09:51	06/23/25 13:09	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/23/25 09:51	06/23/25 13:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*	*06/23/25 09:51*	*06/23/25 13:09*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*06/23/25 09:51*	*06/23/25 13:09*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			06/23/25 13:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			06/23/25 21:46	1

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit #044H

Job ID: 890-8319-1
SDG: Eddy County, NM

Client Sample ID: HA - 3

Lab Sample ID: 890-8319-3
Matrix: Solid
Date Collected: 06/19/25 14:00
Date Received: 06/20/25 15:22
Sample Depth: 2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		06/23/25 10:11	06/23/25 21:46	1
Diesel Range Organics (Over C10-C28)	<49.9	U *1	49.9		mg/Kg		06/23/25 10:11	06/23/25 21:46	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/23/25 10:11	06/23/25 21:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*118*		*70 - 130*	*06/23/25 10:11*	*06/23/25 21:46*	*1*
o-Terphenyl	*121*		*70 - 130*	*06/23/25 10:11*	*06/23/25 21:46*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**994**		9.92		mg/Kg			06/24/25 16:29	1

Client Sample ID: HA - 3

Lab Sample ID: 890-8319-4
Matrix: Solid
Date Collected: 06/19/25 14:05
Date Received: 06/20/25 15:22
Sample Depth: 3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		06/23/25 09:51	06/23/25 13:29	1
Toluene	<0.00198	U	0.00198		mg/Kg		06/23/25 09:51	06/23/25 13:29	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		06/23/25 09:51	06/23/25 13:29	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		06/23/25 09:51	06/23/25 13:29	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		06/23/25 09:51	06/23/25 13:29	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		06/23/25 09:51	06/23/25 13:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*	*06/23/25 09:51*	*06/23/25 13:29*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*06/23/25 09:51*	*06/23/25 13:29*	*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			06/23/25 13:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			06/23/25 22:02	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	<49.6	U	49.6		mg/Kg		06/23/25 10:11	06/23/25 22:02	1
Diesel Range Organics (Over C10-C28)	<49.6	U *1	49.6		mg/Kg		06/23/25 10:11	06/23/25 22:02	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		06/23/25 10:11	06/23/25 22:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*118*		*70 - 130*	*06/23/25 10:11*	*06/23/25 22:02*	*1*
o-Terphenyl	*120*		*70 - 130*	*06/23/25 10:11*	*06/23/25 22:02*	*1*

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit #044H

Job ID: 890-8319-1
SDG: Eddy County, NM

Client Sample ID: HA - 3
Date Collected: 06/19/25 14:05
Date Received: 06/20/25 15:22
Sample Depth: 3

Lab Sample ID: 890-8319-4
Matrix: Solid

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1220		9.92		mg/Kg			06/24/25 19:02	1

Client Sample ID: HA - 3
Date Collected: 06/19/25 14:10
Date Received: 06/20/25 15:22
Sample Depth: 4

Lab Sample ID: 890-8319-5
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		06/23/25 09:51	06/23/25 13:50	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/23/25 09:51	06/23/25 13:50	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/23/25 09:51	06/23/25 13:50	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/23/25 09:51	06/23/25 13:50	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/23/25 09:51	06/23/25 13:50	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/23/25 09:51	06/23/25 13:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*	*06/23/25 09:51*	*06/23/25 13:50*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*06/23/25 09:51*	*06/23/25 13:50*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			06/23/25 13:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			06/23/25 22:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6		mg/Kg		06/23/25 10:11	06/23/25 22:17	1
Diesel Range Organics (Over C10-C28)	<49.6	U *1	49.6		mg/Kg		06/23/25 10:11	06/23/25 22:17	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		06/23/25 10:11	06/23/25 22:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*123*		*70 - 130*	*06/23/25 10:11*	*06/23/25 22:17*	*1*
o-Terphenyl	*126*		*70 - 130*	*06/23/25 10:11*	*06/23/25 22:17*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1150		9.96		mg/Kg			06/24/25 19:19	1

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit #044H

Job ID: 890-8319-1
SDG: Eddy County, NM

Client Sample ID: HA - 4

Lab Sample ID: 890-8319-6
Matrix: Solid
Date Collected: 06/19/25 14:15
Date Received: 06/20/25 15:22
Sample Depth: 0.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		06/23/25 09:51	06/23/25 14:10	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/23/25 09:51	06/23/25 14:10	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/23/25 09:51	06/23/25 14:10	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/23/25 09:51	06/23/25 14:10	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/23/25 09:51	06/23/25 14:10	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/23/25 09:51	06/23/25 14:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*	*06/23/25 09:51*	*06/23/25 14:10*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*06/23/25 09:51*	*06/23/25 14:10*	*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			06/23/25 14:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3		mg/Kg			06/23/25 22:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	50.3		mg/Kg		06/23/25 10:11	06/23/25 22:32	1
Diesel Range Organics (Over C10-C28)	<50.3	U *1	50.3		mg/Kg		06/23/25 10:11	06/23/25 22:32	1
Oil Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		06/23/25 10:11	06/23/25 22:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*117*		*70 - 130*	*06/23/25 10:11*	*06/23/25 22:32*	*1*
o-Terphenyl	*119*		*70 - 130*	*06/23/25 10:11*	*06/23/25 22:32*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**104**		9.98		mg/Kg			06/24/25 19:25	1

Client Sample ID: HA - 4

Lab Sample ID: 890-8319-7
Matrix: Solid
Date Collected: 06/19/25 14:20
Date Received: 06/20/25 15:22
Sample Depth: 2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/23/25 09:51	06/23/25 14:31	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/23/25 09:51	06/23/25 14:31	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/23/25 09:51	06/23/25 14:31	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		06/23/25 09:51	06/23/25 14:31	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/23/25 09:51	06/23/25 14:31	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		06/23/25 09:51	06/23/25 14:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*116*		*70 - 130*	*06/23/25 09:51*	*06/23/25 14:31*	*1*

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit #044H

Job ID: 890-8319-1
SDG: Eddy County, NM

Client Sample ID: HA - 4

Lab Sample ID: 890-8319-7
Matrix: Solid
Date Collected: 06/19/25 14:20
Date Received: 06/20/25 15:22
Sample Depth: 2

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*06/23/25 09:51*	*06/23/25 14:31*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			06/23/25 14:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			06/23/25 22:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/23/25 10:11	06/23/25 22:47	1
Diesel Range Organics (Over C10-C28)	<50.0	U *1	50.0		mg/Kg		06/23/25 10:11	06/23/25 22:47	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/23/25 10:11	06/23/25 22:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*121*		*70 - 130*	*06/23/25 10:11*	*06/23/25 22:47*	*1*
o-Terphenyl	*123*		*70 - 130*	*06/23/25 10:11*	*06/23/25 22:47*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**105**		9.94		mg/Kg			06/24/25 19:30	1

Client Sample ID: HA - 4

Lab Sample ID: 890-8319-8
Matrix: Solid
Date Collected: 06/19/25 14:25
Date Received: 06/20/25 15:22
Sample Depth: 3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		06/23/25 09:51	06/23/25 14:51	1
Toluene	<0.00201	U	0.00201		mg/Kg		06/23/25 09:51	06/23/25 14:51	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		06/23/25 09:51	06/23/25 14:51	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		06/23/25 09:51	06/23/25 14:51	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		06/23/25 09:51	06/23/25 14:51	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		06/23/25 09:51	06/23/25 14:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*	*06/23/25 09:51*	*06/23/25 14:51*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*06/23/25 09:51*	*06/23/25 14:51*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			06/23/25 14:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			06/23/25 23:02	1

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit #044H

Job ID: 890-8319-1
SDG: Eddy County, NM

Client Sample ID: HA - 4

Lab Sample ID: 890-8319-8
Matrix: Solid
Date Collected: 06/19/25 14:25
Date Received: 06/20/25 15:22
Sample Depth: 3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		06/23/25 10:11	06/23/25 23:02	1
Diesel Range Organics (Over C10-C28)	<49.7	U *1	49.7		mg/Kg		06/23/25 10:11	06/23/25 23:02	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		06/23/25 10:11	06/23/25 23:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*121*		*70 - 130*	*06/23/25 10:11*	*06/23/25 23:02*	*1*
o-Terphenyl	*123*		*70 - 130*	*06/23/25 10:11*	*06/23/25 23:02*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**129**		10.0		mg/Kg			06/24/25 19:36	1

Client Sample ID: HA - 5

Lab Sample ID: 890-8319-9
Matrix: Solid
Date Collected: 06/20/25 10:00
Date Received: 06/20/25 15:22
Sample Depth: 0.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/23/25 09:51	06/23/25 15:11	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/23/25 09:51	06/23/25 15:11	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/23/25 09:51	06/23/25 15:11	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		06/23/25 09:51	06/23/25 15:11	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/23/25 09:51	06/23/25 15:11	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		06/23/25 09:51	06/23/25 15:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*118*		*70 - 130*	*06/23/25 09:51*	*06/23/25 15:11*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*06/23/25 09:51*	*06/23/25 15:11*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			06/23/25 15:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			06/23/25 23:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6		mg/Kg		06/23/25 10:11	06/23/25 23:16	1
Diesel Range Organics (Over C10-C28)	<49.6	U *1	49.6		mg/Kg		06/23/25 10:11	06/23/25 23:16	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		06/23/25 10:11	06/23/25 23:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*122*		*70 - 130*	*06/23/25 10:11*	*06/23/25 23:16*	*1*
o-Terphenyl	*124*		*70 - 130*	*06/23/25 10:11*	*06/23/25 23:16*	*1*

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit #044H

Job ID: 890-8319-1
SDG: Eddy County, NM

Client Sample ID: HA - 5

Date Collected: 06/20/25 10:00
Date Received: 06/20/25 15:22
Sample Depth: 0.5

Lab Sample ID: 890-8319-9
Matrix: Solid

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2150		50.1		mg/Kg			06/24/25 19:53	5

Client Sample ID: HA - 5

Date Collected: 06/20/25 10:05
Date Received: 06/20/25 15:22
Sample Depth: 1

Lab Sample ID: 890-8319-10
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		06/23/25 09:51	06/23/25 15:32	1
Toluene	<0.00201	U	0.00201		mg/Kg		06/23/25 09:51	06/23/25 15:32	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		06/23/25 09:51	06/23/25 15:32	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		06/23/25 09:51	06/23/25 15:32	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		06/23/25 09:51	06/23/25 15:32	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		06/23/25 09:51	06/23/25 15:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*115*		*70 - 130*	*06/23/25 09:51*	*06/23/25 15:32*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*06/23/25 09:51*	*06/23/25 15:32*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			06/23/25 15:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			06/24/25 01:15	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	<50.1	U *+	50.1		mg/Kg		06/23/25 10:15	06/24/25 01:15	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		06/23/25 10:15	06/24/25 01:15	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		06/23/25 10:15	06/24/25 01:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*130*		*70 - 130*	*06/23/25 10:15*	*06/24/25 01:15*	*1*
o-Terphenyl	*131*	*S1+*	*70 - 130*	*06/23/25 10:15*	*06/24/25 01:15*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	520		9.90		mg/Kg			06/24/25 19:59	1

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit #044H

Job ID: 890-8319-1
SDG: Eddy County, NM

Client Sample ID: HA - 5

Lab Sample ID: 890-8319-11
Matrix: Solid
Date Collected: 06/20/25 10:10
Date Received: 06/20/25 15:22
Sample Depth: 2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		06/23/25 09:51	06/23/25 17:06	1
Toluene	<0.00201	U	0.00201		mg/Kg		06/23/25 09:51	06/23/25 17:06	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		06/23/25 09:51	06/23/25 17:06	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		06/23/25 09:51	06/23/25 17:06	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		06/23/25 09:51	06/23/25 17:06	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		06/23/25 09:51	06/23/25 17:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*118*		*70 - 130*	*06/23/25 09:51*	*06/23/25 17:06*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*06/23/25 09:51*	*06/23/25 17:06*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			06/23/25 17:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3		mg/Kg			06/24/25 02:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.3	U *+	50.3		mg/Kg		06/23/25 10:15	06/24/25 02:01	1
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3		mg/Kg		06/23/25 10:15	06/24/25 02:01	1
Oil Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		06/23/25 10:15	06/24/25 02:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*126*		*70 - 130*	*06/23/25 10:15*	*06/24/25 02:01*	*1*
o-Terphenyl	*127*		*70 - 130*	*06/23/25 10:15*	*06/24/25 02:01*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**271**		9.90		mg/Kg			06/24/25 20:05	1

Client Sample ID: HA - 5

Lab Sample ID: 890-8319-12
Matrix: Solid
Date Collected: 06/20/25 10:15
Date Received: 06/20/25 15:22
Sample Depth: 3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		06/23/25 09:51	06/23/25 17:27	1
Toluene	<0.00202	U	0.00202		mg/Kg		06/23/25 09:51	06/23/25 17:27	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		06/23/25 09:51	06/23/25 17:27	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		06/23/25 09:51	06/23/25 17:27	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		06/23/25 09:51	06/23/25 17:27	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		06/23/25 09:51	06/23/25 17:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*	*06/23/25 09:51*	*06/23/25 17:27*	*1*

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit #044H

Job ID: 890-8319-1
SDG: Eddy County, NM

Client Sample ID: HA - 5

Date Collected: 06/20/25 10:15
Date Received: 06/20/25 15:22
Sample Depth: 3

Lab Sample ID: 890-8319-12
Matrix: Solid

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*06/23/25 09:51*	*06/23/25 17:27*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			06/23/25 17:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			06/24/25 02:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U *+	49.7		mg/Kg		06/23/25 10:15	06/24/25 02:15	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		06/23/25 10:15	06/24/25 02:15	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		06/23/25 10:15	06/24/25 02:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*129*		*70 - 130*	*06/23/25 10:15*	*06/24/25 02:15*	*1*
o-Terphenyl	*130*		*70 - 130*	*06/23/25 10:15*	*06/24/25 02:15*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**635**		9.90		mg/Kg			06/24/25 20:10	1

Client Sample ID: HA - 5

Date Collected: 06/20/25 10:20
Date Received: 06/20/25 15:22
Sample Depth: 4

Lab Sample ID: 890-8319-13
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		06/23/25 09:51	06/23/25 17:47	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/23/25 09:51	06/23/25 17:47	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/23/25 09:51	06/23/25 17:47	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/23/25 09:51	06/23/25 17:47	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/23/25 09:51	06/23/25 17:47	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/23/25 09:51	06/23/25 17:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*117*		*70 - 130*	*06/23/25 09:51*	*06/23/25 17:47*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*06/23/25 09:51*	*06/23/25 17:47*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			06/23/25 17:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			06/24/25 02:31	1

Eurofins Carlsbad

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit #044H

Job ID: 890-8319-1
SDG: Eddy County, NM

Client Sample ID: HA - 5

Lab Sample ID: 890-8319-13
Matrix: Solid
Date Collected: 06/20/25 10:20
Date Received: 06/20/25 15:22
Sample Depth: 4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *+	50.0		mg/Kg		06/23/25 10:15	06/24/25 02:31	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/23/25 10:15	06/24/25 02:31	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/23/25 10:15	06/24/25 02:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*126*		*70 - 130*	*06/23/25 10:15*	*06/24/25 02:31*	*1*
o-Terphenyl	*128*		*70 - 130*	*06/23/25 10:15*	*06/24/25 02:31*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**635**		10.1		mg/Kg			06/24/25 20:16	1

Client Sample ID: HA - 6

Lab Sample ID: 890-8319-14
Matrix: Solid
Date Collected: 06/20/25 10:25
Date Received: 06/20/25 15:22
Sample Depth: 0.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		06/23/25 09:51	06/23/25 18:07	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/23/25 09:51	06/23/25 18:07	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/23/25 09:51	06/23/25 18:07	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/23/25 09:51	06/23/25 18:07	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/23/25 09:51	06/23/25 18:07	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/23/25 09:51	06/23/25 18:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*	*06/23/25 09:51*	*06/23/25 18:07*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*06/23/25 09:51*	*06/23/25 18:07*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			06/23/25 18:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			06/24/25 02:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U *+	49.6		mg/Kg		06/23/25 10:15	06/24/25 02:46	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		06/23/25 10:15	06/24/25 02:46	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		06/23/25 10:15	06/24/25 02:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*129*		*70 - 130*	*06/23/25 10:15*	*06/24/25 02:46*	*1*
o-Terphenyl	*130*		*70 - 130*	*06/23/25 10:15*	*06/24/25 02:46*	*1*

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit #044H

Job ID: 890-8319-1
SDG: Eddy County, NM

Client Sample ID: HA - 6

Date Collected: 06/20/25 10:25
Date Received: 06/20/25 15:22
Sample Depth: 0.5

Lab Sample ID: 890-8319-14
Matrix: Solid

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2150	F1	50.2		mg/Kg			06/24/25 20:21	5

Client Sample ID: HA - 6

Date Collected: 06/20/25 10:30
Date Received: 06/20/25 15:22
Sample Depth: 1

Lab Sample ID: 890-8319-15
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		06/23/25 09:51	06/23/25 18:28	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/23/25 09:51	06/23/25 18:28	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/23/25 09:51	06/23/25 18:28	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/23/25 09:51	06/23/25 18:28	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/23/25 09:51	06/23/25 18:28	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/23/25 09:51	06/23/25 18:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*116*		*70 - 130*	*06/23/25 09:51*	*06/23/25 18:28*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*06/23/25 09:51*	*06/23/25 18:28*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			06/23/25 18:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			06/24/25 03:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *+	49.9		mg/Kg		06/23/25 10:15	06/24/25 03:01	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/23/25 10:15	06/24/25 03:01	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/23/25 10:15	06/24/25 03:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*127*		*70 - 130*	*06/23/25 10:15*	*06/24/25 03:01*	*1*
o-Terphenyl	*129*		*70 - 130*	*06/23/25 10:15*	*06/24/25 03:01*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	953		10.0		mg/Kg			06/24/25 20:38	1

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit #044H

Job ID: 890-8319-1
SDG: Eddy County, NM

Client Sample ID: HA - 6

Lab Sample ID: 890-8319-16
Matrix: Solid
Date Collected: 06/20/25 10:35
Date Received: 06/20/25 15:22
Sample Depth: 2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		06/23/25 09:51	06/23/25 18:48	1
Toluene	<0.00198	U	0.00198		mg/Kg		06/23/25 09:51	06/23/25 18:48	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		06/23/25 09:51	06/23/25 18:48	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		06/23/25 09:51	06/23/25 18:48	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		06/23/25 09:51	06/23/25 18:48	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		06/23/25 09:51	06/23/25 18:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*	*06/23/25 09:51*	*06/23/25 18:48*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*06/23/25 09:51*	*06/23/25 18:48*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			06/23/25 18:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			06/24/25 03:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U *+	49.6		mg/Kg		06/23/25 10:15	06/24/25 03:16	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		06/23/25 10:15	06/24/25 03:16	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		06/23/25 10:15	06/24/25 03:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*128*		*70 - 130*	*06/23/25 10:15*	*06/24/25 03:16*	*1*
o-Terphenyl	*130*		*70 - 130*	*06/23/25 10:15*	*06/24/25 03:16*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**183**		10.0		mg/Kg			06/24/25 20:44	1

Client Sample ID: HA - 6

Lab Sample ID: 890-8319-17
Matrix: Solid
Date Collected: 06/20/25 10:40
Date Received: 06/20/25 15:22
Sample Depth: 3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		06/23/25 09:51	06/23/25 19:09	1
Toluene	<0.00201	U	0.00201		mg/Kg		06/23/25 09:51	06/23/25 19:09	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		06/23/25 09:51	06/23/25 19:09	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		06/23/25 09:51	06/23/25 19:09	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		06/23/25 09:51	06/23/25 19:09	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		06/23/25 09:51	06/23/25 19:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*122*		*70 - 130*	*06/23/25 09:51*	*06/23/25 19:09*	*1*

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit #044H

Job ID: 890-8319-1
SDG: Eddy County, NM

Client Sample ID: HA - 6

Lab Sample ID: 890-8319-17
Matrix: Solid
Date Collected: 06/20/25 10:40
Date Received: 06/20/25 15:22
Sample Depth: 3

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*80*		*70 - 130*	*06/23/25 09:51*	*06/23/25 19:09*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			06/23/25 19:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			06/24/25 03:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U *+	49.8		mg/Kg		06/23/25 10:15	06/24/25 03:30	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		06/23/25 10:15	06/24/25 03:30	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		06/23/25 10:15	06/24/25 03:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*126*		*70 - 130*	*06/23/25 10:15*	*06/24/25 03:30*	*1*
o-Terphenyl	*127*		*70 - 130*	*06/23/25 10:15*	*06/24/25 03:30*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**302**		10.1		mg/Kg			06/24/25 21:02	1

Client Sample ID: HA - 6

Lab Sample ID: 890-8319-18
Matrix: Solid
Date Collected: 06/20/25 10:45
Date Received: 06/20/25 15:22
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		06/23/25 09:51	06/23/25 19:29	1
Toluene	<0.00201	U	0.00201		mg/Kg		06/23/25 09:51	06/23/25 19:29	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		06/23/25 09:51	06/23/25 19:29	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		06/23/25 09:51	06/23/25 19:29	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		06/23/25 09:51	06/23/25 19:29	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		06/23/25 09:51	06/23/25 19:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*	*06/23/25 09:51*	*06/23/25 19:29*	*1*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*06/23/25 09:51*	*06/23/25 19:29*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			06/23/25 19:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			06/24/25 03:46	1

Eurofins Carlsbad

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit #044H

Job ID: 890-8319-1
SDG: Eddy County, NM

Client Sample ID: HA - 6

Lab Sample ID: 890-8319-18
Matrix: Solid
Date Collected: 06/20/25 10:45
Date Received: 06/20/25 15:22
Sample Depth: 4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U *+	50.1		mg/Kg		06/23/25 10:15	06/24/25 03:46	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		06/23/25 10:15	06/24/25 03:46	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		06/23/25 10:15	06/24/25 03:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*132*	*S1+*	*70 - 130*	*06/23/25 10:15*	*06/24/25 03:46*	*1*
o-Terphenyl	*134*	*S1+*	*70 - 130*	*06/23/25 10:15*	*06/24/25 03:46*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**92.0**		10.0		mg/Kg			06/24/25 21:07	1

Client Sample ID: HA - 7

Lab Sample ID: 890-8319-19
Matrix: Solid
Date Collected: 06/20/25 10:50
Date Received: 06/20/25 15:22
Sample Depth: 0.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/23/25 09:51	06/23/25 19:49	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/23/25 09:51	06/23/25 19:49	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/23/25 09:51	06/23/25 19:49	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		06/23/25 09:51	06/23/25 19:49	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/23/25 09:51	06/23/25 19:49	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		06/23/25 09:51	06/23/25 19:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*118*		*70 - 130*	*06/23/25 09:51*	*06/23/25 19:49*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*06/23/25 09:51*	*06/23/25 19:49*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			06/23/25 19:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			06/24/25 04:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *+	50.0		mg/Kg		06/23/25 10:15	06/24/25 04:01	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/23/25 10:15	06/24/25 04:01	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/23/25 10:15	06/24/25 04:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*130*		*70 - 130*	*06/23/25 10:15*	*06/24/25 04:01*	*1*
o-Terphenyl	*133*	*S1+*	*70 - 130*	*06/23/25 10:15*	*06/24/25 04:01*	*1*

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit #044H

Job ID: 890-8319-1
SDG: Eddy County, NM

Client Sample ID: HA - 7

Lab Sample ID: 890-8319-19
Matrix: Solid
Date Collected: 06/20/25 10:50
Date Received: 06/20/25 15:22
Sample Depth: 0.5

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	194		9.90		mg/Kg			06/24/25 21:13	1

Client Sample ID: HA - 7

Lab Sample ID: 890-8319-20
Matrix: Solid
Date Collected: 06/20/25 10:55
Date Received: 06/20/25 15:22
Sample Depth: 1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		06/23/25 09:51	06/23/25 20:10	1
Toluene	<0.00198	U	0.00198		mg/Kg		06/23/25 09:51	06/23/25 20:10	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		06/23/25 09:51	06/23/25 20:10	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		06/23/25 09:51	06/23/25 20:10	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		06/23/25 09:51	06/23/25 20:10	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		06/23/25 09:51	06/23/25 20:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*	*06/23/25 09:51*	*06/23/25 20:10*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*06/23/25 09:51*	*06/23/25 20:10*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			06/23/25 20:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			06/24/25 04:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U *+	49.8		mg/Kg		06/23/25 10:15	06/24/25 04:32	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		06/23/25 10:15	06/24/25 04:32	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		06/23/25 10:15	06/24/25 04:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*123*		*70 - 130*	*06/23/25 10:15*	*06/24/25 04:32*	*1*
o-Terphenyl	*124*		*70 - 130*	*06/23/25 10:15*	*06/24/25 04:32*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	411		9.94		mg/Kg			06/24/25 21:19	1

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit #044H

Job ID: 890-8319-1
SDG: Eddy County, NM

Client Sample ID: HA - 7

Lab Sample ID: 890-8319-21
Matrix: Solid
Date Collected: 06/20/25 11:00
Date Received: 06/20/25 15:22
Sample Depth: 2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		06/23/25 09:47	06/23/25 19:05	1
Toluene	<0.00201	U	0.00201		mg/Kg		06/23/25 09:47	06/23/25 19:05	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		06/23/25 09:47	06/23/25 19:05	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		06/23/25 09:47	06/23/25 19:05	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		06/23/25 09:47	06/23/25 19:05	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		06/23/25 09:47	06/23/25 19:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*	*06/23/25 09:47*	*06/23/25 19:05*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*06/23/25 09:47*	*06/23/25 19:05*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			06/23/25 19:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			06/24/25 04:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U *+	49.6		mg/Kg		06/23/25 10:15	06/24/25 04:48	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		06/23/25 10:15	06/24/25 04:48	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		06/23/25 10:15	06/24/25 04:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*126*		*70 - 130*	*06/23/25 10:15*	*06/24/25 04:48*	*1*
o-Terphenyl	*129*		*70 - 130*	*06/23/25 10:15*	*06/24/25 04:48*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**97.2**		10.0		mg/Kg			06/24/25 21:24	1

Client Sample ID: HA - 7

Lab Sample ID: 890-8319-22
Matrix: Solid
Date Collected: 06/20/25 11:05
Date Received: 06/20/25 15:22
Sample Depth: 3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		06/23/25 09:47	06/23/25 19:25	1
Toluene	<0.00201	U	0.00201		mg/Kg		06/23/25 09:47	06/23/25 19:25	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		06/23/25 09:47	06/23/25 19:25	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		06/23/25 09:47	06/23/25 19:25	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		06/23/25 09:47	06/23/25 19:25	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		06/23/25 09:47	06/23/25 19:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*	*06/23/25 09:47*	*06/23/25 19:25*	*1*

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit #044H

Job ID: 890-8319-1
SDG: Eddy County, NM

Client Sample ID: HA - 7

Lab Sample ID: 890-8319-22
Matrix: Solid
Date Collected: 06/20/25 11:05
Date Received: 06/20/25 15:22
Sample Depth: 3

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*	*06/23/25 09:47*	*06/23/25 19:25*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			06/23/25 19:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.2	U	50.2		mg/Kg			06/24/25 05:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.2	U *+	50.2		mg/Kg		06/23/25 10:15	06/24/25 05:03	1
Diesel Range Organics (Over C10-C28)	<50.2	U	50.2		mg/Kg		06/23/25 10:15	06/24/25 05:03	1
Oil Range Organics (Over C28-C36)	<50.2	U	50.2		mg/Kg		06/23/25 10:15	06/24/25 05:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*127*		*70 - 130*	*06/23/25 10:15*	*06/24/25 05:03*	*1*
o-Terphenyl	*129*		*70 - 130*	*06/23/25 10:15*	*06/24/25 05:03*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**534**		9.98		mg/Kg			06/24/25 21:30	1

Client Sample ID: HA - 7

Lab Sample ID: 890-8319-23
Matrix: Solid
Date Collected: 06/20/25 11:10
Date Received: 06/20/25 15:22
Sample Depth: 4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/23/25 09:47	06/23/25 19:46	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/23/25 09:47	06/23/25 19:46	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/23/25 09:47	06/23/25 19:46	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		06/23/25 09:47	06/23/25 19:46	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/23/25 09:47	06/23/25 19:46	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		06/23/25 09:47	06/23/25 19:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*	*06/23/25 09:47*	*06/23/25 19:46*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*06/23/25 09:47*	*06/23/25 19:46*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			06/23/25 19:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			06/24/25 05:18	1

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit #044H

Job ID: 890-8319-1
SDG: Eddy County, NM

Client Sample ID: HA - 7

Date Collected: 06/20/25 11:10
Date Received: 06/20/25 15:22
Sample Depth: 4

Lab Sample ID: 890-8319-23

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U *+	49.7		mg/Kg		06/23/25 10:15	06/24/25 05:18	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		06/23/25 10:15	06/24/25 05:18	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		06/23/25 10:15	06/24/25 05:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*124*		*70 - 130*	*06/23/25 10:15*	*06/24/25 05:18*	*1*
o-Terphenyl	*127*		*70 - 130*	*06/23/25 10:15*	*06/24/25 05:18*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**246**		10.0		mg/Kg			06/24/25 21:36	1

Surrogate Summary

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit #044H

Job ID: 890-8319-1
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)										
890-8319-1	HA - 3	114	90										
890-8319-1 MS	HA - 3	107	100										
890-8319-1 MSD	HA - 3	120	82										
890-8319-2	HA - 3	113	93										
890-8319-3	HA - 3	107	93										
890-8319-4	HA - 3	107	93										
890-8319-5	HA - 3	113	94										
890-8319-6	HA - 4	105	96										
890-8319-7	HA - 4	116	93										
890-8319-8	HA - 4	107	94										
890-8319-9	HA - 5	118	95										
890-8319-10	HA - 5	115	94										
890-8319-11	HA - 5	118	94										
890-8319-12	HA - 5	113	93										
890-8319-13	HA - 5	117	93										
890-8319-14	HA - 6	114	96										
890-8319-15	HA - 6	116	93										
890-8319-16	HA - 6	110	93										
890-8319-17	HA - 6	122	80										
890-8319-18	HA - 6	112	90										
890-8319-19	HA - 7	118	92										
890-8319-20	HA - 7	114	94										
890-8319-21	HA - 7	110	100										
890-8319-22	HA - 7	109	106										
890-8319-23	HA - 7	110	101										
LCS 880-112746/1-A	Lab Control Sample	95	93										
LCS 880-112755/1-A	Lab Control Sample	101	95										
LCSD 880-112746/2-A	Lab Control Sample Dup	91	89										
LCSD 880-112755/2-A	Lab Control Sample Dup	99	96										
MB 880-112746/5-A	Method Blank	97	94										
MB 880-112755/5-A	Method Blank	103	92										

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)										
890-8319-1	HA - 3	120	123										
890-8319-2	HA - 3	121	124										
890-8319-3	HA - 3	118	121										
890-8319-4	HA - 3	118	120										
890-8319-5	HA - 3	123	126										
890-8319-6	HA - 4	117	119										
890-8319-7	HA - 4	121	123										
890-8319-8	HA - 4	121	123										

Surrogate Summary

Client: Earth Systems Response and Restoration
Job ID: 890-8319-1
Project/Site: Ross Draw Unit #044H
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)
890-8319-9	HA - 5	122	124
890-8319-10	HA - 5	130	131 S1+
890-8319-10 MS	HA - 5	132 S1+	126
890-8319-10 MSD	HA - 5	133 S1+	126
890-8319-11	HA - 5	126	127
890-8319-12	HA - 5	129	130
890-8319-13	HA - 5	126	128
890-8319-14	HA - 6	129	130
890-8319-15	HA - 6	127	129
890-8319-16	HA - 6	128	130
890-8319-17	HA - 6	126	127
890-8319-18	HA - 6	132 S1+	134 S1+
890-8319-19	HA - 7	130	133 S1+
890-8319-20	HA - 7	123	124
890-8319-21	HA - 7	126	129
890-8319-22	HA - 7	127	129
890-8319-23	HA - 7	124	127
LCS 880-112767/2-A	Lab Control Sample	138 S1+	133 S1+
LCS 880-112769/2-A	Lab Control Sample	80	75
LCSD 880-112767/3-A	Lab Control Sample Dup	82	77
LCSD 880-112769/3-A	Lab Control Sample Dup	82	78
MB 880-112767/1-A	Method Blank	130	131 S1+
MB 880-112769/1-A	Method Blank	110	114

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit #044H

Job ID: 890-8319-1
SDG: Eddy County, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-112746/5-A
Matrix: Solid
Analysis Batch: 112726

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 112746

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/23/25 09:47	06/23/25 12:14	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/23/25 09:47	06/23/25 12:14	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/23/25 09:47	06/23/25 12:14	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/23/25 09:47	06/23/25 12:14	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/23/25 09:47	06/23/25 12:14	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/23/25 09:47	06/23/25 12:14	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*	*06/23/25 09:47*	*06/23/25 12:14*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*06/23/25 09:47*	*06/23/25 12:14*	*1*

Lab Sample ID: LCS 880-112746/1-A
Matrix: Solid
Analysis Batch: 112726

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 112746

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.1071		mg/Kg		107	70 - 130		
Toluene			0.100	0.1020		mg/Kg		102	70 - 130		
Ethylbenzene			0.100	0.1050		mg/Kg		105	70 - 130		
m-Xylene & p-Xylene			0.200	0.2145		mg/Kg		107	70 - 130		
o-Xylene			0.100	0.1075		mg/Kg		108	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*

Lab Sample ID: LCSD 880-112746/2-A
Matrix: Solid
Analysis Batch: 112726

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 112746

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.1057		mg/Kg		106	70 - 130	1	35
Toluene			0.100	0.1008		mg/Kg		101	70 - 130	1	35
Ethylbenzene			0.100	0.1042		mg/Kg		104	70 - 130	1	35
m-Xylene & p-Xylene			0.200	0.2109		mg/Kg		105	70 - 130	2	35
o-Xylene			0.100	0.1060		mg/Kg		106	70 - 130	1	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*91*		*70 - 130*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*

Lab Sample ID: MB 880-112755/5-A
Matrix: Solid
Analysis Batch: 112727

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 112755

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/23/25 09:51	06/23/25 12:06	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/23/25 09:51	06/23/25 12:06	1

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit #044H

Job ID: 890-8319-1
SDG: Eddy County, NM

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

Lab Sample ID: MB 880-112755/5-A
Matrix: Solid
Analysis Batch: 112727

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 112755

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/23/25 09:51	06/23/25 12:06	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/23/25 09:51	06/23/25 12:06	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/23/25 09:51	06/23/25 12:06	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/23/25 09:51	06/23/25 12:06	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*	*06/23/25 09:51*	*06/23/25 12:06*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*06/23/25 09:51*	*06/23/25 12:06*	*1*

Lab Sample ID: LCS 880-112755/1-A
Matrix: Solid
Analysis Batch: 112727

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 112755

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1226		mg/Kg		123	70 - 130
Toluene	0.100	0.09991		mg/Kg		100	70 - 130
Ethylbenzene	0.100	0.1030		mg/Kg		103	70 - 130
m-Xylene & p-Xylene	0.200	0.2048		mg/Kg		102	70 - 130
o-Xylene	0.100	0.1021		mg/Kg		102	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*

Lab Sample ID: LCSD 880-112755/2-A
Matrix: Solid
Analysis Batch: 112727

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 112755

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1245		mg/Kg		125	70 - 130	2	35
Toluene	0.100	0.1014		mg/Kg		101	70 - 130	1	35
Ethylbenzene	0.100	0.1051		mg/Kg		105	70 - 130	2	35
m-Xylene & p-Xylene	0.200	0.2088		mg/Kg		104	70 - 130	2	35
o-Xylene	0.100	0.1044		mg/Kg		104	70 - 130	2	35

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

Lab Sample ID: 890-8319-1 MS
Matrix: Solid
Analysis Batch: 112727

Client Sample ID: HA - 3
Prep Type: Total/NA
Prep Batch: 112755

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.100	0.1160		mg/Kg		116	70 - 130
Toluene	<0.00200	U F1	0.100	0.09740		mg/Kg		97	70 - 130
Ethylbenzene	<0.00200	U F1 F2	0.100	0.1021		mg/Kg		102	70 - 130
m-Xylene & p-Xylene	<0.00401	U F1 F2	0.200	0.2040		mg/Kg		102	70 - 130

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit #044H

Job ID: 890-8319-1
SDG: Eddy County, NM

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

Lab Sample ID: 890-8319-1 MS
Matrix: Solid
Analysis Batch: 112727

Client Sample ID: HA - 3
Prep Type: Total/NA
Prep Batch: 112755

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
o-Xylene	<0.00200	U F1 F2	0.100	0.1024		mg/Kg		102	70 - 130

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

Lab Sample ID: 890-8319-1 MSD
Matrix: Solid
Analysis Batch: 112727

Client Sample ID: HA - 3
Prep Type: Total/NA
Prep Batch: 112755

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	0.1187		mg/Kg		119	70 - 130	2	35
Toluene	<0.00200	U F1	0.100	0.1306	F1	mg/Kg		131	70 - 130	29	35
Ethylbenzene	<0.00200	U F1 F2	0.100	0.1494	F1 F2	mg/Kg		149	70 - 130	38	35
m-Xylene & p-Xylene	<0.00401	U F1 F2	0.200	0.3040	F1 F2	mg/Kg		152	70 - 130	39	35
o-Xylene	<0.00200	U F1 F2	0.100	0.1497	F1 F2	mg/Kg		150	70 - 130	38	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*120*		*70 - 130*
1,4-Difluorobenzene (Surr)	*82*		*70 - 130*

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

Lab Sample ID: MB 880-112767/1-A
Matrix: Solid
Analysis Batch: 112828

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 112767

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/23/25 10:10	06/23/25 09:14	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/23/25 10:10	06/23/25 09:14	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/23/25 10:10	06/23/25 09:14	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*130*		*70 - 130*	*06/23/25 10:10*	*06/23/25 09:14*	*1*
o-Terphenyl	*131*	*S1+*	*70 - 130*	*06/23/25 10:10*	*06/23/25 09:14*	*1*

Lab Sample ID: LCS 880-112767/2-A
Matrix: Solid
Analysis Batch: 112828

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 112767

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1247		mg/Kg		125	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1212		mg/Kg		121	70 - 130

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit #044H

Job ID: 890-8319-1
SDG: Eddy County, NM

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

Lab Sample ID: LCS 880-112767/2-A
Matrix: Solid
Analysis Batch: 112828

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 112767

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	138	S1+	70 - 130
o-Terphenyl	133	S1+	70 - 130

Lab Sample ID: LCSD 880-112767/3-A
Matrix: Solid
Analysis Batch: 112828

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 112767

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1069		mg/Kg		107	70 - 130	15	20
Diesel Range Organics (Over C10-C28)			1000	869.3	*1	mg/Kg		87	70 - 130	33	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	82		70 - 130
o-Terphenyl	77		70 - 130

Lab Sample ID: MB 880-112769/1-A
Matrix: Solid
Analysis Batch: 112828

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 112769

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/23/25 10:15	06/24/25 00:31	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/23/25 10:15	06/24/25 00:31	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/23/25 10:15	06/24/25 00:31	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	110		70 - 130	06/23/25 10:15	06/24/25 00:31	1
o-Terphenyl	114		70 - 130	06/23/25 10:15	06/24/25 00:31	1

Lab Sample ID: LCS 880-112769/2-A
Matrix: Solid
Analysis Batch: 112828

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 112769

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10			1000	1286		mg/Kg		129	70 - 130
Diesel Range Organics (Over C10-C28)			1000	1109		mg/Kg		111	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	80		70 - 130
o-Terphenyl	75		70 - 130

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit #044H

Job ID: 890-8319-1
SDG: Eddy County, NM

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

Lab Sample ID: LCSD 880-112769/3-A
Matrix: Solid
Analysis Batch: 112828

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 112769

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1311	*+	mg/Kg		131	70 - 130	2	20
Diesel Range Organics (Over C10-C28)			1000	1161		mg/Kg		116	70 - 130	5	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*82*		*70 - 130*
o-Terphenyl	*78*		*70 - 130*

Lab Sample ID: 890-8319-10 MS
Matrix: Solid
Analysis Batch: 112828

Client Sample ID: HA - 5
Prep Type: Total/NA
Prep Batch: 112769

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<50.1	U *+	999	974.9		mg/Kg		98	70 - 130
Diesel Range Organics (Over C10-C28)	<50.1	U	999	821.4		mg/Kg		82	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*132*	*S1+*	*70 - 130*
o-Terphenyl	*126*		*70 - 130*

Lab Sample ID: 890-8319-10 MSD
Matrix: Solid
Analysis Batch: 112828

Client Sample ID: HA - 5
Prep Type: Total/NA
Prep Batch: 112769

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.1	U *+	999	930.2		mg/Kg		93	70 - 130	5	20
Diesel Range Organics (Over C10-C28)	<50.1	U	999	815.4		mg/Kg		82	70 - 130	1	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*133*	*S1+*	*70 - 130*
o-Terphenyl	*126*		*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-112811/1-A
Matrix: Solid
Analysis Batch: 112848

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			06/24/25 18:45	1

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit #044H

Job ID: 890-8319-1
SDG: Eddy County, NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-112811/2-A
Matrix: Solid
Analysis Batch: 112848

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	247.5		mg/Kg		99	90 - 110		

Lab Sample ID: LCSD 880-112811/3-A
Matrix: Solid
Analysis Batch: 112848

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	248.0		mg/Kg		99	90 - 110	0	20

Lab Sample ID: 890-8319-4 MS
Matrix: Solid
Analysis Batch: 112848

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	1220		248	1423	4	mg/Kg		81	90 - 110		

Lab Sample ID: 890-8319-4 MSD
Matrix: Solid
Analysis Batch: 112848

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	1220		248	1426	4	mg/Kg		82	90 - 110	0	20

Lab Sample ID: 890-8319-14 MS
Matrix: Solid
Analysis Batch: 112848

Client Sample ID: HA - 6
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	2150	F1	1260	3675	F1	mg/Kg		121	90 - 110		

Lab Sample ID: 890-8319-14 MSD
Matrix: Solid
Analysis Batch: 112848

Client Sample ID: HA - 6
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	2150	F1	1260	3679	F1	mg/Kg		121	90 - 110	0	20

Lab Sample ID: MB 880-112810/1-A
Matrix: Solid
Analysis Batch: 112850

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			06/24/25 12:53	1

Lab Sample ID: LCS 880-112810/2-A
Matrix: Solid
Analysis Batch: 112850

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	254.5		mg/Kg		102	90 - 110		

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit #044H

Job ID: 890-8319-1
SDG: Eddy County, NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: LCSD 880-112810/3-A
Matrix: Solid
Analysis Batch: 112850

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	252.8		mg/Kg		101	90 - 110	1	20

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit #044H

Job ID: 890-8319-1
SDG: Eddy County, NM

GC VOA

Analysis Batch: 112726

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8319-21	HA - 7	Total/NA	Solid	8021B	112746
890-8319-22	HA - 7	Total/NA	Solid	8021B	112746
890-8319-23	HA - 7	Total/NA	Solid	8021B	112746
MB 880-112746/5-A	Method Blank	Total/NA	Solid	8021B	112746
LCS 880-112746/1-A	Lab Control Sample	Total/NA	Solid	8021B	112746
LCSD 880-112746/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	112746

Analysis Batch: 112727

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8319-1	HA - 3	Total/NA	Solid	8021B	112755
890-8319-2	HA - 3	Total/NA	Solid	8021B	112755
890-8319-3	HA - 3	Total/NA	Solid	8021B	112755
890-8319-4	HA - 3	Total/NA	Solid	8021B	112755
890-8319-5	HA - 3	Total/NA	Solid	8021B	112755
890-8319-6	HA - 4	Total/NA	Solid	8021B	112755
890-8319-7	HA - 4	Total/NA	Solid	8021B	112755
890-8319-8	HA - 4	Total/NA	Solid	8021B	112755
890-8319-9	HA - 5	Total/NA	Solid	8021B	112755
890-8319-10	HA - 5	Total/NA	Solid	8021B	112755
890-8319-11	HA - 5	Total/NA	Solid	8021B	112755
890-8319-12	HA - 5	Total/NA	Solid	8021B	112755
890-8319-13	HA - 5	Total/NA	Solid	8021B	112755
890-8319-14	HA - 6	Total/NA	Solid	8021B	112755
890-8319-15	HA - 6	Total/NA	Solid	8021B	112755
890-8319-16	HA - 6	Total/NA	Solid	8021B	112755
890-8319-17	HA - 6	Total/NA	Solid	8021B	112755
890-8319-18	HA - 6	Total/NA	Solid	8021B	112755
890-8319-19	HA - 7	Total/NA	Solid	8021B	112755
890-8319-20	HA - 7	Total/NA	Solid	8021B	112755
MB 880-112755/5-A	Method Blank	Total/NA	Solid	8021B	112755
LCS 880-112755/1-A	Lab Control Sample	Total/NA	Solid	8021B	112755
LCSD 880-112755/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	112755
890-8319-1 MS	HA - 3	Total/NA	Solid	8021B	112755
890-8319-1 MSD	HA - 3	Total/NA	Solid	8021B	112755

Prep Batch: 112746

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8319-21	HA - 7	Total/NA	Solid	5035	
890-8319-22	HA - 7	Total/NA	Solid	5035	
890-8319-23	HA - 7	Total/NA	Solid	5035	
MB 880-112746/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-112746/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-112746/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Prep Batch: 112755

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8319-1	HA - 3	Total/NA	Solid	5035	
890-8319-2	HA - 3	Total/NA	Solid	5035	
890-8319-3	HA - 3	Total/NA	Solid	5035	
890-8319-4	HA - 3	Total/NA	Solid	5035	
890-8319-5	HA - 3	Total/NA	Solid	5035	

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit #044H

Job ID: 890-8319-1
SDG: Eddy County, NM

GC VOA (Continued)

Prep Batch: 112755 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8319-6	HA - 4	Total/NA	Solid	5035	
890-8319-7	HA - 4	Total/NA	Solid	5035	
890-8319-8	HA - 4	Total/NA	Solid	5035	
890-8319-9	HA - 5	Total/NA	Solid	5035	
890-8319-10	HA - 5	Total/NA	Solid	5035	
890-8319-11	HA - 5	Total/NA	Solid	5035	
890-8319-12	HA - 5	Total/NA	Solid	5035	
890-8319-13	HA - 5	Total/NA	Solid	5035	
890-8319-14	HA - 6	Total/NA	Solid	5035	
890-8319-15	HA - 6	Total/NA	Solid	5035	
890-8319-16	HA - 6	Total/NA	Solid	5035	
890-8319-17	HA - 6	Total/NA	Solid	5035	
890-8319-18	HA - 6	Total/NA	Solid	5035	
890-8319-19	HA - 7	Total/NA	Solid	5035	
890-8319-20	HA - 7	Total/NA	Solid	5035	
MB 880-112755/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-112755/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-112755/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-8319-1 MS	HA - 3	Total/NA	Solid	5035	
890-8319-1 MSD	HA - 3	Total/NA	Solid	5035	

Analysis Batch: 112956

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8319-1	HA - 3	Total/NA	Solid	Total BTEX	
890-8319-2	HA - 3	Total/NA	Solid	Total BTEX	
890-8319-3	HA - 3	Total/NA	Solid	Total BTEX	
890-8319-4	HA - 3	Total/NA	Solid	Total BTEX	
890-8319-5	HA - 3	Total/NA	Solid	Total BTEX	
890-8319-6	HA - 4	Total/NA	Solid	Total BTEX	
890-8319-7	HA - 4	Total/NA	Solid	Total BTEX	
890-8319-8	HA - 4	Total/NA	Solid	Total BTEX	
890-8319-9	HA - 5	Total/NA	Solid	Total BTEX	
890-8319-10	HA - 5	Total/NA	Solid	Total BTEX	
890-8319-11	HA - 5	Total/NA	Solid	Total BTEX	
890-8319-12	HA - 5	Total/NA	Solid	Total BTEX	
890-8319-13	HA - 5	Total/NA	Solid	Total BTEX	
890-8319-14	HA - 6	Total/NA	Solid	Total BTEX	
890-8319-15	HA - 6	Total/NA	Solid	Total BTEX	
890-8319-16	HA - 6	Total/NA	Solid	Total BTEX	
890-8319-17	HA - 6	Total/NA	Solid	Total BTEX	
890-8319-18	HA - 6	Total/NA	Solid	Total BTEX	
890-8319-19	HA - 7	Total/NA	Solid	Total BTEX	
890-8319-20	HA - 7	Total/NA	Solid	Total BTEX	
890-8319-21	HA - 7	Total/NA	Solid	Total BTEX	
890-8319-22	HA - 7	Total/NA	Solid	Total BTEX	
890-8319-23	HA - 7	Total/NA	Solid	Total BTEX	

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit #044H

Job ID: 890-8319-1
SDG: Eddy County, NM

GC Semi VOA

Prep Batch: 112767

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8319-1	HA - 3	Total/NA	Solid	8015NM Prep	
890-8319-2	HA - 3	Total/NA	Solid	8015NM Prep	
890-8319-3	HA - 3	Total/NA	Solid	8015NM Prep	
890-8319-4	HA - 3	Total/NA	Solid	8015NM Prep	
890-8319-5	HA - 3	Total/NA	Solid	8015NM Prep	
890-8319-6	HA - 4	Total/NA	Solid	8015NM Prep	
890-8319-7	HA - 4	Total/NA	Solid	8015NM Prep	
890-8319-8	HA - 4	Total/NA	Solid	8015NM Prep	
890-8319-9	HA - 5	Total/NA	Solid	8015NM Prep	
MB 880-112767/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-112767/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-112767/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Prep Batch: 112769

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8319-10	HA - 5	Total/NA	Solid	8015NM Prep	
890-8319-11	HA - 5	Total/NA	Solid	8015NM Prep	
890-8319-12	HA - 5	Total/NA	Solid	8015NM Prep	
890-8319-13	HA - 5	Total/NA	Solid	8015NM Prep	
890-8319-14	HA - 6	Total/NA	Solid	8015NM Prep	
890-8319-15	HA - 6	Total/NA	Solid	8015NM Prep	
890-8319-16	HA - 6	Total/NA	Solid	8015NM Prep	
890-8319-17	HA - 6	Total/NA	Solid	8015NM Prep	
890-8319-18	HA - 6	Total/NA	Solid	8015NM Prep	
890-8319-19	HA - 7	Total/NA	Solid	8015NM Prep	
890-8319-20	HA - 7	Total/NA	Solid	8015NM Prep	
890-8319-21	HA - 7	Total/NA	Solid	8015NM Prep	
890-8319-22	HA - 7	Total/NA	Solid	8015NM Prep	
890-8319-23	HA - 7	Total/NA	Solid	8015NM Prep	
MB 880-112769/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-112769/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-112769/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-8319-10 MS	HA - 5	Total/NA	Solid	8015NM Prep	
890-8319-10 MSD	HA - 5	Total/NA	Solid	8015NM Prep	

Analysis Batch: 112828

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8319-1	HA - 3	Total/NA	Solid	8015B NM	112767
890-8319-2	HA - 3	Total/NA	Solid	8015B NM	112767
890-8319-3	HA - 3	Total/NA	Solid	8015B NM	112767
890-8319-4	HA - 3	Total/NA	Solid	8015B NM	112767
890-8319-5	HA - 3	Total/NA	Solid	8015B NM	112767
890-8319-6	HA - 4	Total/NA	Solid	8015B NM	112767
890-8319-7	HA - 4	Total/NA	Solid	8015B NM	112767
890-8319-8	HA - 4	Total/NA	Solid	8015B NM	112767
890-8319-9	HA - 5	Total/NA	Solid	8015B NM	112767
890-8319-10	HA - 5	Total/NA	Solid	8015B NM	112769
890-8319-11	HA - 5	Total/NA	Solid	8015B NM	112769
890-8319-12	HA - 5	Total/NA	Solid	8015B NM	112769
890-8319-13	HA - 5	Total/NA	Solid	8015B NM	112769
890-8319-14	HA - 6	Total/NA	Solid	8015B NM	112769

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit #044H

Job ID: 890-8319-1
SDG: Eddy County, NM

GC Semi VOA (Continued)

Analysis Batch: 112828 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8319-15	HA - 6	Total/NA	Solid	8015B NM	112769
890-8319-16	HA - 6	Total/NA	Solid	8015B NM	112769
890-8319-17	HA - 6	Total/NA	Solid	8015B NM	112769
890-8319-18	HA - 6	Total/NA	Solid	8015B NM	112769
890-8319-19	HA - 7	Total/NA	Solid	8015B NM	112769
890-8319-20	HA - 7	Total/NA	Solid	8015B NM	112769
890-8319-21	HA - 7	Total/NA	Solid	8015B NM	112769
890-8319-22	HA - 7	Total/NA	Solid	8015B NM	112769
890-8319-23	HA - 7	Total/NA	Solid	8015B NM	112769
MB 880-112767/1-A	Method Blank	Total/NA	Solid	8015B NM	112767
MB 880-112769/1-A	Method Blank	Total/NA	Solid	8015B NM	112769
LCS 880-112767/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	112767
LCS 880-112769/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	112769
LCSD 880-112767/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	112767
LCSD 880-112769/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	112769
890-8319-10 MS	HA - 5	Total/NA	Solid	8015B NM	112769
890-8319-10 MSD	HA - 5	Total/NA	Solid	8015B NM	112769

Analysis Batch: 112907

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8319-1	HA - 3	Total/NA	Solid	8015 NM	
890-8319-2	HA - 3	Total/NA	Solid	8015 NM	
890-8319-3	HA - 3	Total/NA	Solid	8015 NM	
890-8319-4	HA - 3	Total/NA	Solid	8015 NM	
890-8319-5	HA - 3	Total/NA	Solid	8015 NM	
890-8319-6	HA - 4	Total/NA	Solid	8015 NM	
890-8319-7	HA - 4	Total/NA	Solid	8015 NM	
890-8319-8	HA - 4	Total/NA	Solid	8015 NM	
890-8319-9	HA - 5	Total/NA	Solid	8015 NM	
890-8319-10	HA - 5	Total/NA	Solid	8015 NM	
890-8319-11	HA - 5	Total/NA	Solid	8015 NM	
890-8319-12	HA - 5	Total/NA	Solid	8015 NM	
890-8319-13	HA - 5	Total/NA	Solid	8015 NM	
890-8319-14	HA - 6	Total/NA	Solid	8015 NM	
890-8319-15	HA - 6	Total/NA	Solid	8015 NM	
890-8319-16	HA - 6	Total/NA	Solid	8015 NM	
890-8319-17	HA - 6	Total/NA	Solid	8015 NM	
890-8319-18	HA - 6	Total/NA	Solid	8015 NM	
890-8319-19	HA - 7	Total/NA	Solid	8015 NM	
890-8319-20	HA - 7	Total/NA	Solid	8015 NM	
890-8319-21	HA - 7	Total/NA	Solid	8015 NM	
890-8319-22	HA - 7	Total/NA	Solid	8015 NM	
890-8319-23	HA - 7	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 112810

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8319-1	HA - 3	Soluble	Solid	DI Leach	
890-8319-2	HA - 3	Soluble	Solid	DI Leach	
890-8319-3	HA - 3	Soluble	Solid	DI Leach	

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit #044H

Job ID: 890-8319-1
SDG: Eddy County, NM

HPLC/IC (Continued)

Leach Batch: 112810 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-112810/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-112810/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-112810/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Leach Batch: 112811

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8319-4	HA - 3	Soluble	Solid	DI Leach	
890-8319-5	HA - 3	Soluble	Solid	DI Leach	
890-8319-6	HA - 4	Soluble	Solid	DI Leach	
890-8319-7	HA - 4	Soluble	Solid	DI Leach	
890-8319-8	HA - 4	Soluble	Solid	DI Leach	
890-8319-9	HA - 5	Soluble	Solid	DI Leach	
890-8319-10	HA - 5	Soluble	Solid	DI Leach	
890-8319-11	HA - 5	Soluble	Solid	DI Leach	
890-8319-12	HA - 5	Soluble	Solid	DI Leach	
890-8319-13	HA - 5	Soluble	Solid	DI Leach	
890-8319-14	HA - 6	Soluble	Solid	DI Leach	
890-8319-15	HA - 6	Soluble	Solid	DI Leach	
890-8319-16	HA - 6	Soluble	Solid	DI Leach	
890-8319-17	HA - 6	Soluble	Solid	DI Leach	
890-8319-18	HA - 6	Soluble	Solid	DI Leach	
890-8319-19	HA - 7	Soluble	Solid	DI Leach	
890-8319-20	HA - 7	Soluble	Solid	DI Leach	
890-8319-21	HA - 7	Soluble	Solid	DI Leach	
890-8319-22	HA - 7	Soluble	Solid	DI Leach	
890-8319-23	HA - 7	Soluble	Solid	DI Leach	
MB 880-112811/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-112811/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-112811/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-8319-4 MS	HA - 3	Soluble	Solid	DI Leach	
890-8319-4 MSD	HA - 3	Soluble	Solid	DI Leach	
890-8319-14 MS	HA - 6	Soluble	Solid	DI Leach	
890-8319-14 MSD	HA - 6	Soluble	Solid	DI Leach	

Analysis Batch: 112848

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8319-4	HA - 3	Soluble	Solid	300.0	112811
890-8319-5	HA - 3	Soluble	Solid	300.0	112811
890-8319-6	HA - 4	Soluble	Solid	300.0	112811
890-8319-7	HA - 4	Soluble	Solid	300.0	112811
890-8319-8	HA - 4	Soluble	Solid	300.0	112811
890-8319-9	HA - 5	Soluble	Solid	300.0	112811
890-8319-10	HA - 5	Soluble	Solid	300.0	112811
890-8319-11	HA - 5	Soluble	Solid	300.0	112811
890-8319-12	HA - 5	Soluble	Solid	300.0	112811
890-8319-13	HA - 5	Soluble	Solid	300.0	112811
890-8319-14	HA - 6	Soluble	Solid	300.0	112811
890-8319-15	HA - 6	Soluble	Solid	300.0	112811
890-8319-16	HA - 6	Soluble	Solid	300.0	112811
890-8319-17	HA - 6	Soluble	Solid	300.0	112811
890-8319-18	HA - 6	Soluble	Solid	300.0	112811

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit #044H

Job ID: 890-8319-1
SDG: Eddy County, NM

HPLC/IC (Continued)

Analysis Batch: 112848 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8319-19	HA - 7	Soluble	Solid	300.0	112811
890-8319-20	HA - 7	Soluble	Solid	300.0	112811
890-8319-21	HA - 7	Soluble	Solid	300.0	112811
890-8319-22	HA - 7	Soluble	Solid	300.0	112811
890-8319-23	HA - 7	Soluble	Solid	300.0	112811
MB 880-112811/1-A	Method Blank	Soluble	Solid	300.0	112811
LCS 880-112811/2-A	Lab Control Sample	Soluble	Solid	300.0	112811
LCSD 880-112811/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	112811
890-8319-4 MS	HA - 3	Soluble	Solid	300.0	112811
890-8319-4 MSD	HA - 3	Soluble	Solid	300.0	112811
890-8319-14 MS	HA - 6	Soluble	Solid	300.0	112811
890-8319-14 MSD	HA - 6	Soluble	Solid	300.0	112811

Analysis Batch: 112850

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8319-1	HA - 3	Soluble	Solid	300.0	112810
890-8319-2	HA - 3	Soluble	Solid	300.0	112810
890-8319-3	HA - 3	Soluble	Solid	300.0	112810
MB 880-112810/1-A	Method Blank	Soluble	Solid	300.0	112810
LCS 880-112810/2-A	Lab Control Sample	Soluble	Solid	300.0	112810
LCSD 880-112810/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	112810

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit #044H

Job ID: 890-8319-1
SDG: Eddy County, NM

Client Sample ID: HA - 3
Date Collected: 06/19/25 13:50
Date Received: 06/20/25 15:22

Lab Sample ID: 890-8319-1
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			4.99 g	5 mL	112755	06/23/25 09:51	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	112727	06/23/25 12:28	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			112956	06/23/25 12:28	SA	EET MID
Total/NA	Analysis	8015 NM		1			112907	06/23/25 21:16	SA	EET MID
Total/NA	Prep	8015NM Prep			9.94 g	10 mL	112767	06/23/25 10:11	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	112828	06/23/25 21:16	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	112810	06/23/25 14:04	SA	EET MID
Soluble	Analysis	300.0		1			112850	06/24/25 16:14	CS	EET MID

Client Sample ID: HA - 3
Date Collected: 06/19/25 13:55
Date Received: 06/20/25 15:22

Lab Sample ID: 890-8319-2
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			5.05 g	5 mL	112755	06/23/25 09:51	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	112727	06/23/25 12:48	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			112956	06/23/25 12:48	SA	EET MID
Total/NA	Analysis	8015 NM		1			112907	06/23/25 21:31	SA	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	112767	06/23/25 10:11	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	112828	06/23/25 21:31	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	112810	06/23/25 14:04	SA	EET MID
Soluble	Analysis	300.0		1			112850	06/24/25 16:21	CS	EET MID

Client Sample ID: HA - 3
Date Collected: 06/19/25 14:00
Date Received: 06/20/25 15:22

Lab Sample ID: 890-8319-3
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	112755	06/23/25 09:51	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	112727	06/23/25 13:09	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			112956	06/23/25 13:09	SA	EET MID
Total/NA	Analysis	8015 NM		1			112907	06/23/25 21:46	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	112767	06/23/25 10:11	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	112828	06/23/25 21:46	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	112810	06/23/25 14:04	SA	EET MID
Soluble	Analysis	300.0		1			112850	06/24/25 16:29	CS	EET MID

Client Sample ID: HA - 3
Date Collected: 06/19/25 14:05
Date Received: 06/20/25 15:22

Lab Sample ID: 890-8319-4
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			5.04 g	5 mL	112755	06/23/25 09:51	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	112727	06/23/25 13:29	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			112956	06/23/25 13:29	SA	EET MID

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit #044H

Job ID: 890-8319-1
SDG: Eddy County, NM

Client Sample ID: HA - 3
Date Collected: 06/19/25 14:05
Date Received: 06/20/25 15:22

Lab Sample ID: 890-8319-4
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			112907	06/23/25 22:02	SA	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	112767	06/23/25 10:11	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	112828	06/23/25 22:02	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	112811	06/23/25 14:07	SA	EET MID
Soluble	Analysis	300.0		1			112848	06/24/25 19:02	CS	EET MID

Client Sample ID: HA - 3
Date Collected: 06/19/25 14:10
Date Received: 06/20/25 15:22

Lab Sample ID: 890-8319-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	112755	06/23/25 09:51	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	112727	06/23/25 13:50	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			112956	06/23/25 13:50	SA	EET MID
Total/NA	Analysis	8015 NM		1			112907	06/23/25 22:17	SA	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10 mL	112767	06/23/25 10:11	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	112828	06/23/25 22:17	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	112811	06/23/25 14:07	SA	EET MID
Soluble	Analysis	300.0		1			112848	06/24/25 19:19	CS	EET MID

Client Sample ID: HA - 4
Date Collected: 06/19/25 14:15
Date Received: 06/20/25 15:22

Lab Sample ID: 890-8319-6
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	112755	06/23/25 09:51	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	112727	06/23/25 14:10	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			112956	06/23/25 14:10	SA	EET MID
Total/NA	Analysis	8015 NM		1			112907	06/23/25 22:32	SA	EET MID
Total/NA	Prep	8015NM Prep			9.95 g	10 mL	112767	06/23/25 10:11	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	112828	06/23/25 22:32	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	112811	06/23/25 14:07	SA	EET MID
Soluble	Analysis	300.0		1			112848	06/24/25 19:25	CS	EET MID

Client Sample ID: HA - 4
Date Collected: 06/19/25 14:20
Date Received: 06/20/25 15:22

Lab Sample ID: 890-8319-7
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			5.01 g	5 mL	112755	06/23/25 09:51	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	112727	06/23/25 14:31	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			112956	06/23/25 14:31	SA	EET MID
Total/NA	Analysis	8015 NM		1			112907	06/23/25 22:47	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	112767	06/23/25 10:11	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	112828	06/23/25 22:47	TKC	EET MID

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Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit #044H

Job ID: 890-8319-1
SDG: Eddy County, NM

Client Sample ID: HA - 4
Date Collected: 06/19/25 14:20
Date Received: 06/20/25 15:22

Lab Sample ID: 890-8319-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.03 g	50 mL	112811	06/23/25 14:07	SA	EET MID
Soluble	Analysis	300.0		1			112848	06/24/25 19:30	CS	EET MID

Client Sample ID: HA - 4
Date Collected: 06/19/25 14:25
Date Received: 06/20/25 15:22

Lab Sample ID: 890-8319-8
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			4.97 g	5 mL	112755	06/23/25 09:51	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	112727	06/23/25 14:51	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			112956	06/23/25 14:51	SA	EET MID
Total/NA	Analysis	8015 NM		1			112907	06/23/25 23:02	SA	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	112767	06/23/25 10:11	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	112828	06/23/25 23:02	TKC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	112811	06/23/25 14:07	SA	EET MID
Soluble	Analysis	300.0		1			112848	06/24/25 19:36	CS	EET MID

Client Sample ID: HA - 5
Date Collected: 06/20/25 10:00
Date Received: 06/20/25 15:22

Lab Sample ID: 890-8319-9
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			4.99 g	5 mL	112755	06/23/25 09:51	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	112727	06/23/25 15:11	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			112956	06/23/25 15:11	SA	EET MID
Total/NA	Analysis	8015 NM		1			112907	06/23/25 23:16	SA	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	112767	06/23/25 10:11	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	112828	06/23/25 23:16	TKC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	112811	06/23/25 14:07	SA	EET MID
Soluble	Analysis	300.0		5			112848	06/24/25 19:53	CS	EET MID

Client Sample ID: HA - 5
Date Collected: 06/20/25 10:05
Date Received: 06/20/25 15:22

Lab Sample ID: 890-8319-10
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			4.98 g	5 mL	112755	06/23/25 09:51	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	112727	06/23/25 15:32	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			112956	06/23/25 15:32	SA	EET MID
Total/NA	Analysis	8015 NM		1			112907	06/24/25 01:15	SA	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10 mL	112769	06/23/25 10:15	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	112828	06/24/25 01:15	TKC	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	112811	06/23/25 14:07	SA	EET MID
Soluble	Analysis	300.0		1			112848	06/24/25 19:59	CS	EET MID

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit #044H

Job ID: 890-8319-1
SDG: Eddy County, NM

Client Sample ID: HA - 5
Date Collected: 06/20/25 10:10
Date Received: 06/20/25 15:22

Lab Sample ID: 890-8319-11
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			4.97 g	5 mL	112755	06/23/25 09:51	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	112727	06/23/25 17:06	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			112956	06/23/25 17:06	SA	EET MID
Total/NA	Analysis	8015 NM		1			112907	06/24/25 02:01	SA	EET MID
Total/NA	Prep	8015NM Prep			9.95 g	10 mL	112769	06/23/25 10:15	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	112828	06/24/25 02:01	TKC	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	112811	06/23/25 14:07	SA	EET MID
Soluble	Analysis	300.0		1			112848	06/24/25 20:05	CS	EET MID

Client Sample ID: HA - 5
Date Collected: 06/20/25 10:15
Date Received: 06/20/25 15:22

Lab Sample ID: 890-8319-12
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			4.96 g	5 mL	112755	06/23/25 09:51	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	112727	06/23/25 17:27	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			112956	06/23/25 17:27	SA	EET MID
Total/NA	Analysis	8015 NM		1			112907	06/24/25 02:15	SA	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	112769	06/23/25 10:15	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	112828	06/24/25 02:15	TKC	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	112811	06/23/25 14:07	SA	EET MID
Soluble	Analysis	300.0		1			112848	06/24/25 20:10	CS	EET MID

Client Sample ID: HA - 5
Date Collected: 06/20/25 10:20
Date Received: 06/20/25 15:22

Lab Sample ID: 890-8319-13
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			5.02 g	5 mL	112755	06/23/25 09:51	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	112727	06/23/25 17:47	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			112956	06/23/25 17:47	SA	EET MID
Total/NA	Analysis	8015 NM		1			112907	06/24/25 02:31	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	112769	06/23/25 10:15	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	112828	06/24/25 02:31	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	112811	06/23/25 14:07	SA	EET MID
Soluble	Analysis	300.0		1			112848	06/24/25 20:16	CS	EET MID

Client Sample ID: HA - 6
Date Collected: 06/20/25 10:25
Date Received: 06/20/25 15:22

Lab Sample ID: 890-8319-14
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	112755	06/23/25 09:51	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	112727	06/23/25 18:07	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			112956	06/23/25 18:07	SA	EET MID

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Lab Chronicle

Client: Earth Systems Response and Restoration
Job ID: 890-8319-1
Project/Site: Ross Draw Unit #044H
SDG: Eddy County, NM

Client Sample ID: HA - 6
Lab Sample ID: 890-8319-14
Date Collected: 06/20/25 10:25
Matrix: Solid
Date Received: 06/20/25 15:22

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			112907	06/24/25 02:46	SA	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	112769	06/23/25 10:15	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	112828	06/24/25 02:46	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	112811	06/23/25 14:07	SA	EET MID
Soluble	Analysis	300.0		5			112848	06/24/25 20:21	CS	EET MID

Client Sample ID: HA - 6
Lab Sample ID: 890-8319-15
Date Collected: 06/20/25 10:30
Matrix: Solid
Date Received: 06/20/25 15:22

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	112755	06/23/25 09:51	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	112727	06/23/25 18:28	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			112956	06/23/25 18:28	SA	EET MID
Total/NA	Analysis	8015 NM		1			112907	06/24/25 03:01	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	112769	06/23/25 10:15	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	112828	06/24/25 03:01	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	112811	06/23/25 14:07	SA	EET MID
Soluble	Analysis	300.0		1			112848	06/24/25 20:38	CS	EET MID

Client Sample ID: HA - 6
Lab Sample ID: 890-8319-16
Date Collected: 06/20/25 10:35
Matrix: Solid
Date Received: 06/20/25 15:22

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	112755	06/23/25 09:51	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	112727	06/23/25 18:48	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			112956	06/23/25 18:48	SA	EET MID
Total/NA	Analysis	8015 NM		1			112907	06/24/25 03:16	SA	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10 mL	112769	06/23/25 10:15	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	112828	06/24/25 03:16	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	112811	06/23/25 14:07	SA	EET MID
Soluble	Analysis	300.0		1			112848	06/24/25 20:44	CS	EET MID

Client Sample ID: HA - 6
Lab Sample ID: 890-8319-17
Date Collected: 06/20/25 10:40
Matrix: Solid
Date Received: 06/20/25 15:22

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	112755	06/23/25 09:51	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	112727	06/23/25 19:09	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			112956	06/23/25 19:09	SA	EET MID
Total/NA	Analysis	8015 NM		1			112907	06/24/25 03:30	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	112769	06/23/25 10:15	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	112828	06/24/25 03:30	TKC	EET MID

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Lab Chronicle

Client: Earth Systems Response and Restoration
Job ID: 890-8319-1
Project/Site: Ross Draw Unit #044H
SDG: Eddy County, NM

Client Sample ID: HA - 6
Lab Sample ID: 890-8319-17
Date Collected: 06/20/25 10:40
Matrix: Solid
Date Received: 06/20/25 15:22

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	112811	06/23/25 14:07	SA	EET MID
Soluble	Analysis	300.0		1			112848	06/24/25 21:02	CS	EET MID

Client Sample ID: HA - 6
Lab Sample ID: 890-8319-18
Date Collected: 06/20/25 10:45
Matrix: Solid
Date Received: 06/20/25 15:22

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	112755	06/23/25 09:51	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	112727	06/23/25 19:29	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			112956	06/23/25 19:29	SA	EET MID
Total/NA	Analysis	8015 NM		1			112907	06/24/25 03:46	SA	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10 mL	112769	06/23/25 10:15	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	112828	06/24/25 03:46	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	112811	06/23/25 14:07	SA	EET MID
Soluble	Analysis	300.0		1			112848	06/24/25 21:07	CS	EET MID

Client Sample ID: HA - 7
Lab Sample ID: 890-8319-19
Date Collected: 06/20/25 10:50
Matrix: Solid
Date Received: 06/20/25 15:22

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	112755	06/23/25 09:51	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	112727	06/23/25 19:49	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			112956	06/23/25 19:49	SA	EET MID
Total/NA	Analysis	8015 NM		1			112907	06/24/25 04:01	SA	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	112769	06/23/25 10:15	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	112828	06/24/25 04:01	TKC	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	112811	06/23/25 14:07	SA	EET MID
Soluble	Analysis	300.0		1			112848	06/24/25 21:13	CS	EET MID

Client Sample ID: HA - 7
Lab Sample ID: 890-8319-20
Date Collected: 06/20/25 10:55
Matrix: Solid
Date Received: 06/20/25 15:22

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	112755	06/23/25 09:51	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	112727	06/23/25 20:10	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			112956	06/23/25 20:10	SA	EET MID
Total/NA	Analysis	8015 NM		1			112907	06/24/25 04:32	SA	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	112769	06/23/25 10:15	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	112828	06/24/25 04:32	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	112811	06/23/25 14:07	SA	EET MID
Soluble	Analysis	300.0		1			112848	06/24/25 21:19	CS	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit #044H

Job ID: 890-8319-1
SDG: Eddy County, NM

Client Sample ID: HA - 7
Date Collected: 06/20/25 11:00
Date Received: 06/20/25 15:22

Lab Sample ID: 890-8319-21
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	112746	06/23/25 09:47	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	112726	06/23/25 19:05	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			112956	06/23/25 19:05	SA	EET MID
Total/NA	Analysis	8015 NM		1			112907	06/24/25 04:48	SA	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10 mL	112769	06/23/25 10:15	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	112828	06/24/25 04:48	TKC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	112811	06/23/25 14:07	SA	EET MID
Soluble	Analysis	300.0		1			112848	06/24/25 21:24	CS	EET MID

Client Sample ID: HA - 7
Date Collected: 06/20/25 11:05
Date Received: 06/20/25 15:22

Lab Sample ID: 890-8319-22
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	112746	06/23/25 09:47	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	112726	06/23/25 19:25	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			112956	06/23/25 19:25	SA	EET MID
Total/NA	Analysis	8015 NM		1			112907	06/24/25 05:03	SA	EET MID
Total/NA	Prep	8015NM Prep			9.96 g	10 mL	112769	06/23/25 10:15	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	112828	06/24/25 05:03	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	112811	06/23/25 14:07	SA	EET MID
Soluble	Analysis	300.0		1			112848	06/24/25 21:30	CS	EET MID

Client Sample ID: HA - 7
Date Collected: 06/20/25 11:10
Date Received: 06/20/25 15:22

Lab Sample ID: 890-8319-23
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	112746	06/23/25 09:47	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	112726	06/23/25 19:46	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			112956	06/23/25 19:46	SA	EET MID
Total/NA	Analysis	8015 NM		1			112907	06/24/25 05:18	SA	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	112769	06/23/25 10:15	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	112828	06/24/25 05:18	TKC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	112811	06/23/25 14:07	SA	EET MID
Soluble	Analysis	300.0		1			112848	06/24/25 21:36	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: 890-8319-1
Project/Site: Ross Draw Unit #044H
SDG: Eddy County, NM

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-25

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

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

Method Summary

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit #044H

Job ID: 890-8319-1
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: Ross Draw Unit #044H

Job ID: 890-8319-1
SDG: Eddy County, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-8319-1	HA - 3	Solid	06/19/25 13:50	06/20/25 15:22	0.5
890-8319-2	HA - 3	Solid	06/19/25 13:55	06/20/25 15:22	1
890-8319-3	HA - 3	Solid	06/19/25 14:00	06/20/25 15:22	2
890-8319-4	HA - 3	Solid	06/19/25 14:05	06/20/25 15:22	3
890-8319-5	HA - 3	Solid	06/19/25 14:10	06/20/25 15:22	4
890-8319-6	HA - 4	Solid	06/19/25 14:15	06/20/25 15:22	0.5
890-8319-7	HA - 4	Solid	06/19/25 14:20	06/20/25 15:22	2
890-8319-8	HA - 4	Solid	06/19/25 14:25	06/20/25 15:22	3
890-8319-9	HA - 5	Solid	06/20/25 10:00	06/20/25 15:22	0.5
890-8319-10	HA - 5	Solid	06/20/25 10:05	06/20/25 15:22	1
890-8319-11	HA - 5	Solid	06/20/25 10:10	06/20/25 15:22	2
890-8319-12	HA - 5	Solid	06/20/25 10:15	06/20/25 15:22	3
890-8319-13	HA - 5	Solid	06/20/25 10:20	06/20/25 15:22	4
890-8319-14	HA - 6	Solid	06/20/25 10:25	06/20/25 15:22	0.5
890-8319-15	HA - 6	Solid	06/20/25 10:30	06/20/25 15:22	1
890-8319-16	HA - 6	Solid	06/20/25 10:35	06/20/25 15:22	2
890-8319-17	HA - 6	Solid	06/20/25 10:40	06/20/25 15:22	3
890-8319-18	HA - 6	Solid	06/20/25 10:45	06/20/25 15:22	4
890-8319-19	HA - 7	Solid	06/20/25 10:50	06/20/25 15:22	0.5
890-8319-20	HA - 7	Solid	06/20/25 10:55	06/20/25 15:22	1
890-8319-21	HA - 7	Solid	06/20/25 11:00	06/20/25 15:22	2
890-8319-22	HA - 7	Solid	06/20/25 11:05	06/20/25 15:22	3
890-8319-23	HA - 7	Solid	06/20/25 11:10	06/20/25 15:22	4

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Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

Work Order No: _____

www.xenco.com Page 1 of 3

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

Work Order Comments

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

Project Name:	ROSS DRAW UNIT #044H	Turn Around	
Project Number:	155	☑ 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 #:	21547716		

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:	0.4
Total Containers:		Corrected Temperature:	0.2

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

890-8319 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-3	S	6.19.25	13:50	0.5	Grab/	1	X	X	X			Incident Number
HA-3	S	6.19.25	13:55	1	Grab/	1	X	X	X			nAPP2508325453
HA-3	S	6.19.25	14:00	2	Grab/	1	X	X	X			
HA-3	S	6.19.25	14:05	3	Grab/	1	X	X	X			
HA-3	S	6.19.25	14:10	4	Grab/	1	X	X	X			
HA-4	S	6.19.25	14:15	0.5	Grab/	1	X	X	X			
HA-4	S	6.19.25	14:20	2	Grab/	1	X	X	X			
HA-4	S	6.19.25	14:25	3	Grab/	1	X	X	X			
HA-5	S	6.20.25	10:00	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

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.

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0		6/20 1528	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

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Chain of Custody

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Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

Work Order No: _____

www.xenco.com Page 2 of 3

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

Work Order Comments

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

Project Name:	ROSS DRAW UNIT #044H	**Turn Around**	
Project Number:	155	☑ 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 #:	21547716		

SAMPLE RECEIPT			
~~Temp Blank:~~	(Yes) No	Wet Ice:	(Yes) No
Samples Received Intact:	(Yes) No	Thermometer ID:	TWN007
~~Cooler Custody Seals:~~	Yes No (N/A)	Correction Factor:	-0.2
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	0.4
~~Total Containers:~~		Corrected Temperature:	0.2

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 Identification	Matrix	Date Sampled	Time Sampled	Depth (feet)	Grab/ Comp	# of Cont	TPH -NM	Chloride-NM	BTEX-NM	Hold	24 Hr Rush	Sample Comments
HA-5	S	6.20.25	10:05	1	Grab/	1	X	X	X			Incident Number
HA-5	S	6.20.25	10:10	2	Grab/	1	X	X	X			nAPP2508325453
HA-5	S	6.20.25	10:15	3	Grab/	1	X	X	X			
HA-5	S	6.20.25	10:20	4	Grab/	1	X	X	X			
HA-6	S	6.20.25	10:25	0.5	Grab/	1	X	X	X			
HA-6	S	6.20.25	10:30	1	Grab/	1	X	X	X			
HA-6	S	6.20.25	10:35	2	Grab/	1	X	X	X			
HA-6	S	6.20.25	10:40	3	Grab/	1	X	X	X			
HA-6	S	6.20.25	10:45	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

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
0					
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

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Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

Work Order No: _____

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Project Manager:	Gilbert Moreno	Bill to: (if different)	Jim Raley
Company Name:	Earth Systems R&R	Company Name:	Devon Energy
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:	ROSS DRAW UNIT #044H	Turn Around	
Project Number:	155	☑ 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 #:	21547716		

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:	0.4
Total Containers:		Corrected Temperature:	0.2

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

890-8319 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-3	S	6.19.25	13:50	0.5	Grab/	1	X	X	X			Incident Number
HA-3	S	6.19.25	13:55	1	Grab/	1	X	X	X			nAPP2508325453
HA-3	S	6.19.25	14:00	2	Grab/	1	X	X	X			
HA-3	S	6.19.25	14:05	3	Grab/	1	X	X	X			
HA-3	S	6.19.25	14:10	4	Grab/	1	X	X	X			
HA-4	S	6.19.25	14:15	0.5	Grab/	1	X	X	X			
HA-4	S	6.19.25	14:20	2	Grab/	1	X	X	X			
HA-4	S	6.19.25	14:25	3	Grab/	1	X	X	X			
HA-5	S	6.20.25	10:00	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

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	Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
0			6/20 15:22	2		
3				4		
5				6		

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Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

Work Order No: _____

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Project Manager:	Gilbert Moreno	Bill to: (if different)	Jim Raley
Company Name:	Earth Systems R&R	Company Name:	Devon Energy
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:	ROSS DRAW UNIT #044H	Turn Around	☑ Routine ☐ Rush
Project Number:	155	Due Date:	Routine TAT
Project Location:	Eddy County, NM	TAT starts the day received by the lab, if received by 4:30pm	
Sampler's Name:	Santiago Giron		
CC/WO #:	21547716		

SAMPLE RECEIPT			
Temp Blank:	Yes No	Wet Ice:	Yes No
Samples Received Intact:	Yes No	Thermometer ID:	TM007
Cooler Custody Seals:	Yes No N/A	Correction Factor:	-0.2
Sample Custody Seals:	Yes No N/A	Temperature Reading:	0.4
Total Containers:		Corrected Temperature:	0.2

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-5	S	6.20.25	10:05	1	Grab/	1	X	X	X			Incident Number
HA-5	S	6.20.25	10:10	2	Grab/	1	X	X	X			nAPP2508325453
HA-5	S	6.20.25	10:15	3	Grab/	1	X	X	X			
HA-5	S	6.20.25	10:20	4	Grab/	1	X	X	X			
HA-6	S	6.20.25	10:25	0.5	Grab/	1	X	X	X			
HA-6	S	6.20.25	10:30	1	Grab/	1	X	X	X			
HA-6	S	6.20.25	10:35	2	Grab/	1	X	X	X			
HA-6	S	6.20.25	10:40	3	Grab/	1	X	X	X			
HA-6	S	6.20.25	10:45	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			6/20 1522			
3				4		
5				6		

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6/25/2025

eurofins | Environment Testing Xenco

Chain of Custody

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

Work Order No: _____

www.xenco.com Page 3 of 7

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

Work Order Comments

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

Project Name:	ROSS DRAW UNIT #044H	**Turn Around**	
Project Number:	155	☑ 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 #:	21547716		

SAMPLE RECEIPT				
Temp Blank:	(Yes) No	Wet Ice:	(Yes) No	
Samples Received Intact:	(Yes) No	Thermometer ID:	TM007	
~~Cooler Custody Seals:~~	Yes No (N/A)	Correction Factor:	-0.2	
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	0.4	
~~Total Containers:~~		Corrected Temperature:	0.2	

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-7	S	6.20.25	10:50	0.5	Grab/	1	X	X	X			Incident Number
HA-7	S	6.20.25	10:55	1	Grab/	1	X	X	X			nAPP2508325453
HA-7	S	6.20.25	11:00	2	Grab/	1	X	X	X			
HA-7	S	6.20.25	11:05	3	Grab/	1	X	X	X			
HA-7	S	6.20.25	11:10	4	Grab/	1	X	X	X			

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

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Received by OCD: 5/18/2026 12:12:15 PM

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

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Teel, Brianna	Carrier Tracking No(s): N/A	COC No: 890-5288.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Brianna.Teel@et.eurofinsus.com	State of Origin: New Mexico	Page: Page 1 of 3
Company: Eurofins Environment Testing South Centr		Accreditations Required (See note): NELAP - Texas		Job #: 890-8319-1
Address: 1211 W. Florida Ave,	Due Date Requested: 6/26/2025			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: ROSS DRAW UNIT # 044H	Project #: 88001228			
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)	Total_BTEX_GCV	8021B/5035FP_CalcBTEX	300_ORGFM_28D/DI_LEACHChloride	8015MOD_Calc	8015MOD_NM/8015NM_S_Prep8015 NM	Total Number of containers	Special Instructions/Note:
			Preservation Code:										
HA - 3 (890-8319-1)	6/19/25	13:50 Mountain	G	Solid			X	X	X	X	X	1	
HA - 3 (890-8319-2)	6/19/25	13:55 Mountain	G	Solid			X	X	X	X	X	1	
HA - 3 (890-8319-3)	6/19/25	14:00 Mountain	G	Solid			X	X	X	X	X	1	
HA - 3 (890-8319-4)	6/19/25	14:05 Mountain	G	Solid			X	X	X	X	X	1	
HA - 3 (890-8319-5)	6/19/25	14:10 Mountain	G	Solid			X	X	X	X	X	1	
HA - 4 (890-8319-6)	6/19/25	14:15 Mountain	G	Solid			X	X	X	X	X	1	
HA - 4 (890-8319-7)	6/19/25	14:20 Mountain	G	Solid			X	X	X	X	X	1	
HA - 4 (890-8319-8)	6/19/25	14:25 Mountain	G	Solid			X	X	X	X	X	1	
HA - 5 (890-8319-9)	6/20/25	10:00 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:	Company	Received by:	Date/Time:	Company
1		6/20 14:14				
2	Relinquished by:	Date/Time:	Company	Received by: Teddy Rowell Lee	Date/Time: 6/21/25 08:00	Company
3	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: 2/4/1 °C IR-8 (-0.1)

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Received by OCD: 5/18/2026 12:12:15 PM

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

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Teel, Brianna	Carrier Tracking No(s): N/A	COC No: 890-5288.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Brianna.Teel@et.eurofinsus.com	State of Origin: New Mexico	Page: Page 1 of 3
Company: Eurofins Environment Testing South Centr		Accreditations Required (See note): NELAP - Texas		Job #: 890-8319-1
Address: 1211 W. Florida Ave,	Due Date Requested: 6/26/2025			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: ROSS DRAW UNIT # 044H	Project #: 88001228			
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)	Total_BTEX_GCV	8021B/5035FP_CalcBTEX	300_ORGFM_28D/DI_LEACHChloride	8015MOD_Calc	8015MOD_NM/8015NM_S_Prep8015 NM	Total Number of containers	Special Instructions/Note:
			Preservation Code:										
HA - 3 (890-8319-1)	6/19/25	13:50 Mountain	G	Solid			X	X	X	X	X	1	
HA - 3 (890-8319-2)	6/19/25	13:55 Mountain	G	Solid			X	X	X	X	X	1	
HA - 3 (890-8319-3)	6/19/25	14:00 Mountain	G	Solid			X	X	X	X	X	1	
HA - 3 (890-8319-4)	6/19/25	14:05 Mountain	G	Solid			X	X	X	X	X	1	
HA - 3 (890-8319-5)	6/19/25	14:10 Mountain	G	Solid			X	X	X	X	X	1	
HA - 4 (890-8319-6)	6/19/25	14:15 Mountain	G	Solid			X	X	X	X	X	1	
HA - 4 (890-8319-7)	6/19/25	14:20 Mountain	G	Solid			X	X	X	X	X	1	
HA - 4 (890-8319-8)	6/19/25	14:25 Mountain	G	Solid			X	X	X	X	X	1	
HA - 5 (890-8319-9)	6/20/25	10:00 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	*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
1	[signature]	6/20 16:14		[signature]		
2				Teddy Hall/Lee	6/21/25 08:00	
3						

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 2.4 IR-8 (-0.1)

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Received by OCD: 5/18/2026 12:12:15 PM

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

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Teel, Brianna	Carrier Tracking No(s): N/A	COC No: 890-5288.2
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Brianna.Teel@et.eurofinsus.com	State of Origin: New Mexico	Page: Page 2 of 3
Company: Eurofins Environment Testing South Centr		Accreditations Required (See note): NELAP - Texas		Job #: 890-8319-1
Address: 1211 W. Florida Ave, ,	Due Date Requested: 6/26/2025			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: ROSS DRAW UNIT # 044H	Project #: 88001228			
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)	Total_BTEX_GCV	8021B/5035FP_CalcBTEX	300_ORGFM_28D/DI_LEACHChloride	8015MOD_Calc	8015MOD_NM/8015NM_S_Prep8015 NM	Total Number of containers	Special Instructions/Note:
			Preservation Code:										
HA - 5 (890-8319-10)	6/20/25	10:05 Mountain	G	Solid			X	X	X	X	X	1	
HA - 5 (890-8319-11)	6/20/25	10:10 Mountain	G	Solid			X	X	X	X	X	1	
HA - 5 (890-8319-12)	6/20/25	10:15 Mountain	G	Solid			X	X	X	X	X	1	
HA - 5 (890-8319-13)	6/20/25	10:20 Mountain	G	Solid			X	X	X	X	X	1	
HA - 6 (890-8319-14)	6/20/25	10:25 Mountain	G	Solid			X	X	X	X	X	1	
HA - 6 (890-8319-15)	6/20/25	10:30 Mountain	G	Solid			X	X	X	X	X	1	
HA - 6 (890-8319-16)	6/20/25	10:35 Mountain	G	Solid			X	X	X	X	X	1	
HA - 6 (890-8319-17)	6/20/25	10:40 Mountain	G	Solid			X	X	X	X	X	1	
HA - 6 (890-8319-18)	6/20/25	10:45 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
1	Relinquished by:	6/20 16:18		Received by:		
2	Relinquished by:	Date/Time:	Company	Received by: Teddy Rawdlhoe	Date/Time: 6/21/25 08:00	Company
3	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: 2.1+1.6 IR-6 (-0.1)

Released to Imaging: 6/3/2026 2:28:14 PM
Received by OCD: 5/18/2026 12:12:15 PM

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

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Teel, Brianna	Carrier Tracking No(s): N/A	COC No: 890-5288.3
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Brianna.Teel@et.eurofinsus.com	State of Origin: New Mexico	Page: Page 3 of 3
Company: Eurofins Environment Testing South Centr		Accreditations Required (See note): NELAP - Texas		Job #: 890-8319-1
Address: 1211 W. Florida Ave, ,	Due Date Requested: 6/26/2025			
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: ROSS DRAW UNIT # 044H	Project #: 88001228			
Site: N/A	SSOW#: N/A			

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	Total_BTEX_GCV	8021B/5035FP_CalcBTEX	300_ORGFM_28D/DI_LEACHChloride	8015MOD_Calc	8015MOD_NM/8015NM_S_Prep8015 NM	Total Number of containers	Special Instructions/Note:
			Preservation Code:										
HA - 7 (890-8319-19)	6/20/25	10:50 Mountain	G	Solid			X	X	X	X	X	1	
HA - 7 (890-8319-20)	6/20/25	10:55 Mountain	G	Solid			X	X	X	X	X	1	
HA - 7 (890-8319-21)	6/20/25	11:00 Mountain	G	Solid			X	X	X	X	X	1	
HA - 7 (890-8319-22)	6/20/25	11:05 Mountain	G	Solid			X	X	X	X	X	1	
HA - 7 (890-8319-23)	6/20/25	11:10 Mountain	G	Solid			X	X	X	X	X	1	

Analysis Requested

Preservation Codes: -

Other: N/A

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
	6/20 16:14				
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
			Teddy Rowdell Lee	6/21/25 08:00	
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: 4.1 -1.0°C IR-8 (6.1)

Login Sample Receipt Checklist

Client: Earth Systems Response and Restoration

Job Number: 890-8319-1
SDG Number: Eddy County, NM

Login Number: 8319
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: 890-8319-1
SDG Number: Eddy County, NM

Login Number: 8319
List Number: 2
Creator: Rios, Minerva

List Source: Eurofins Midland
List Creation: 06/23/25 11:03 AM

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

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 6/25/2025 11:14:34 AM

JOB DESCRIPTION

Ross Draw Unit #044H
Eddy County, NM

JOB NUMBER

890-8320-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

Released to Imaging: 6/3/2026 2:28:14 PM

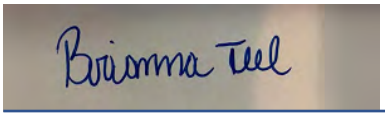
Eurofins Carlsbad

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
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Definitions/Glossary

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit #044H

Job ID: 890-8320-1
SDG: Eddy County, NM

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: Earth Systems Response and Restoration Job ID: 890-8320-1
Project: Ross Draw Unit #044H

Job ID: 890-8320-1 Eurofins Carlsbad

Job Narrative
890-8320-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 6/20/2025 3:22 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 0.2°C.

Receipt Exceptions
The following samples were received and analyzed from an unpreserved bulk soil jar: HA - 8 (890-8320-1), HA - 8 (890-8320-2), HA - 8 (890-8320-3), HA - 9 (890-8320-4), HA - 9 (890-8320-5), HA - 9 (890-8320-6), HA - 10 (890-8320-7), HA - 10 (890-8320-8), HA - 10 (890-8320-9), HA - 11 (890-8320-10), HA - 11 (890-8320-11) and HA - 11 (890-8320-12).

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

Diesel Range Organics
Method 8015MOD_NM: The laboratory control sample (LCS) associated with preparation batch 880-112769 and analytical batch 880-112828 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (890-8320-A-7-C MS) and (890-8320-A-7-D MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: HA - 10 (890-8320-7), HA - 10 (890-8320-8), HA - 10 (890-8320-9), HA - 11 (890-8320-10) and HA - 11 (890-8320-12). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: HA - 11 (890-8320-11). Evidence of matrix interferences is not obvious.

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

HPLC/IC
Method 300_ORGFM_28D - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-112861 and analytical batch 880-112921 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

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

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit #044H

Job ID: 890-8320-1
SDG: Eddy County, NM

Client Sample ID: HA - 8

Lab Sample ID: 890-8320-1
Matrix: Solid
Date Collected: 06/19/25 14:30
Date Received: 06/20/25 15:22
Sample Depth: 0.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/23/25 09:47	06/23/25 13:57	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/23/25 09:47	06/23/25 13:57	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/23/25 09:47	06/23/25 13:57	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		06/23/25 09:47	06/23/25 13:57	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/23/25 09:47	06/23/25 13:57	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		06/23/25 09:47	06/23/25 13:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*	*06/23/25 09:47*	*06/23/25 13:57*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*06/23/25 09:47*	*06/23/25 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			06/23/25 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			06/24/25 05:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *+	50.0		mg/Kg		06/23/25 10:15	06/24/25 05:33	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/23/25 10:15	06/24/25 05:33	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/23/25 10:15	06/24/25 05:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*125*		*70 - 130*	*06/23/25 10:15*	*06/24/25 05:33*	*1*
o-Terphenyl	*129*		*70 - 130*	*06/23/25 10:15*	*06/24/25 05:33*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**77.3**	**F1**	9.98		mg/Kg			06/25/25 01:40	1

Client Sample ID: HA - 8

Lab Sample ID: 890-8320-2
Matrix: Solid
Date Collected: 06/19/25 14:35
Date Received: 06/20/25 15:22
Sample Depth: 2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/23/25 09:47	06/23/25 14:18	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/23/25 09:47	06/23/25 14:18	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/23/25 09:47	06/23/25 14:18	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		06/23/25 09:47	06/23/25 14:18	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/23/25 09:47	06/23/25 14:18	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		06/23/25 09:47	06/23/25 14:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*	*06/23/25 09:47*	*06/23/25 14:18*	*1*

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit #044H

Job ID: 890-8320-1
SDG: Eddy County, NM

Client Sample ID: HA - 8

Lab Sample ID: 890-8320-2
Matrix: Solid
Date Collected: 06/19/25 14:35
Date Received: 06/20/25 15:22
Sample Depth: 2

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*06/23/25 09:47*	*06/23/25 14:18*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			06/23/25 14:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			06/24/25 05:47	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	<49.6	U *+	49.6		mg/Kg		06/23/25 10:15	06/24/25 05:47	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		06/23/25 10:15	06/24/25 05:47	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		06/23/25 10:15	06/24/25 05:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*126*		*70 - 130*	*06/23/25 10:15*	*06/24/25 05:47*	*1*
o-Terphenyl	*129*		*70 - 130*	*06/23/25 10:15*	*06/24/25 05:47*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**104**		10.1		mg/Kg			06/25/25 01:57	1

Client Sample ID: HA - 8

Lab Sample ID: 890-8320-3
Matrix: Solid
Date Collected: 06/19/25 14:40
Date Received: 06/20/25 15:22
Sample Depth: 4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		06/23/25 09:47	06/23/25 14:38	1
Toluene	<0.00202	U	0.00202		mg/Kg		06/23/25 09:47	06/23/25 14:38	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		06/23/25 09:47	06/23/25 14:38	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		06/23/25 09:47	06/23/25 14:38	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		06/23/25 09:47	06/23/25 14:38	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		06/23/25 09:47	06/23/25 14:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*	*06/23/25 09:47*	*06/23/25 14:38*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*06/23/25 09:47*	*06/23/25 14:38*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			06/23/25 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	<50.0	U	50.0		mg/Kg			06/24/25 06:02	1

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit #044H

Job ID: 890-8320-1
SDG: Eddy County, NM

Client Sample ID: HA - 8

Lab Sample ID: 890-8320-3
Matrix: Solid
Date Collected: 06/19/25 14:40
Date Received: 06/20/25 15:22
Sample Depth: 4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *+	50.0		mg/Kg		06/23/25 10:15	06/24/25 06:02	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/23/25 10:15	06/24/25 06:02	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/23/25 10:15	06/24/25 06:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*125*		*70 - 130*	*06/23/25 10:15*	*06/24/25 06:02*	*1*
o-Terphenyl	*129*		*70 - 130*	*06/23/25 10:15*	*06/24/25 06:02*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**188**		10.1		mg/Kg			06/25/25 02:02	1

Client Sample ID: HA - 9

Lab Sample ID: 890-8320-4
Matrix: Solid
Date Collected: 06/19/25 14:45
Date Received: 06/20/25 15:22
Sample Depth: 0.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		06/23/25 09:47	06/23/25 14:59	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/23/25 09:47	06/23/25 14:59	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/23/25 09:47	06/23/25 14:59	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/23/25 09:47	06/23/25 14:59	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/23/25 09:47	06/23/25 14:59	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/23/25 09:47	06/23/25 14:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*	*06/23/25 09:47*	*06/23/25 14:59*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*06/23/25 09:47*	*06/23/25 14:59*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			06/23/25 14:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			06/24/25 06:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U *+	50.1		mg/Kg		06/23/25 10:15	06/24/25 06:17	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		06/23/25 10:15	06/24/25 06:17	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		06/23/25 10:15	06/24/25 06:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*127*		*70 - 130*	*06/23/25 10:15*	*06/24/25 06:17*	*1*
o-Terphenyl	*130*		*70 - 130*	*06/23/25 10:15*	*06/24/25 06:17*	*1*

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit #044H

Job ID: 890-8320-1
SDG: Eddy County, NM

Client Sample ID: HA - 9

Date Collected: 06/19/25 14:45
Date Received: 06/20/25 15:22
Sample Depth: 0.5

Lab Sample ID: 890-8320-4
Matrix: Solid

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	99.2		10.1		mg/Kg			06/25/25 02:08	1

Client Sample ID: HA - 9

Date Collected: 06/19/25 14:50
Date Received: 06/20/25 15:22
Sample Depth: 2

Lab Sample ID: 890-8320-5
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		06/23/25 09:47	06/23/25 15:19	1
Toluene	<0.00198	U	0.00198		mg/Kg		06/23/25 09:47	06/23/25 15:19	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		06/23/25 09:47	06/23/25 15:19	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		06/23/25 09:47	06/23/25 15:19	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		06/23/25 09:47	06/23/25 15:19	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		06/23/25 09:47	06/23/25 15:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*	*06/23/25 09:47*	*06/23/25 15:19*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*06/23/25 09:47*	*06/23/25 15:19*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			06/23/25 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	<49.9	U	49.9		mg/Kg			06/24/25 06:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *+	49.9		mg/Kg		06/23/25 10:15	06/24/25 06:31	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/23/25 10:15	06/24/25 06:31	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/23/25 10:15	06/24/25 06:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*124*		*70 - 130*	*06/23/25 10:15*	*06/24/25 06:31*	*1*
o-Terphenyl	*127*		*70 - 130*	*06/23/25 10:15*	*06/24/25 06:31*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	120		10.1		mg/Kg			06/25/25 02:14	1

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit #044H

Job ID: 890-8320-1
SDG: Eddy County, NM

Client Sample ID: HA - 9

Lab Sample ID: 890-8320-6
Matrix: Solid
Date Collected: 06/19/25 14:55
Date Received: 06/20/25 15:22
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		06/23/25 09:47	06/23/25 15:40	1
Toluene	<0.00201	U	0.00201		mg/Kg		06/23/25 09:47	06/23/25 15:40	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		06/23/25 09:47	06/23/25 15:40	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		06/23/25 09:47	06/23/25 15:40	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		06/23/25 09:47	06/23/25 15:40	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		06/23/25 09:47	06/23/25 15:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*	*06/23/25 09:47*	*06/23/25 15:40*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*06/23/25 09:47*	*06/23/25 15:40*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			06/23/25 15:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			06/24/25 06:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U *+	49.8		mg/Kg		06/23/25 10:15	06/24/25 06:46	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		06/23/25 10:15	06/24/25 06:46	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		06/23/25 10:15	06/24/25 06:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*126*		*70 - 130*	*06/23/25 10:15*	*06/24/25 06:46*	*1*
o-Terphenyl	*129*		*70 - 130*	*06/23/25 10:15*	*06/24/25 06:46*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**141**		10.0		mg/Kg			06/25/25 02:31	1

Client Sample ID: HA - 10

Lab Sample ID: 890-8320-7
Matrix: Solid
Date Collected: 06/20/25 11:15
Date Received: 06/20/25 15:22
Sample Depth: 0.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/23/25 09:47	06/23/25 17:02	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/23/25 09:47	06/23/25 17:02	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/23/25 09:47	06/23/25 17:02	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		06/23/25 09:47	06/23/25 17:02	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/23/25 09:47	06/23/25 17:02	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		06/23/25 09:47	06/23/25 17:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*	*06/23/25 09:47*	*06/23/25 17:02*	*1*

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit #044H

Job ID: 890-8320-1
SDG: Eddy County, NM

Client Sample ID: HA - 10

Date Collected: 06/20/25 11:15
Date Received: 06/20/25 15:22
Sample Depth: 0.5

Lab Sample ID: 890-8320-7
Matrix: Solid

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*06/23/25 09:47*	*06/23/25 17:02*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			06/23/25 17:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			06/23/25 17:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		06/23/25 10:21	06/23/25 17:46	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		06/23/25 10:21	06/23/25 17:46	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		06/23/25 10:21	06/23/25 17:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*131*	*S1+*	*70 - 130*	*06/23/25 10:21*	*06/23/25 17:46*	*1*
o-Terphenyl	*146*	*S1+*	*70 - 130*	*06/23/25 10:21*	*06/23/25 17:46*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**79.7**		9.96		mg/Kg			06/25/25 02:36	1

Client Sample ID: HA - 10

Date Collected: 06/20/25 11:20
Date Received: 06/20/25 15:22
Sample Depth: 2

Lab Sample ID: 890-8320-8
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		06/23/25 09:47	06/23/25 17:23	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/23/25 09:47	06/23/25 17:23	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/23/25 09:47	06/23/25 17:23	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/23/25 09:47	06/23/25 17:23	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/23/25 09:47	06/23/25 17:23	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/23/25 09:47	06/23/25 17:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*	*06/23/25 09:47*	*06/23/25 17:23*	*1*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*	*06/23/25 09:47*	*06/23/25 17:23*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			06/23/25 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	<49.7	U	49.7		mg/Kg			06/23/25 18:32	1

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit #044H

Job ID: 890-8320-1
SDG: Eddy County, NM

Client Sample ID: HA - 10

Date Collected: 06/20/25 11:20
Date Received: 06/20/25 15:22
Sample Depth: 2

Lab Sample ID: 890-8320-8
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		06/23/25 10:21	06/23/25 18:32	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		06/23/25 10:21	06/23/25 18:32	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		06/23/25 10:21	06/23/25 18:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*132*	*S1+*	*70 - 130*	*06/23/25 10:21*	*06/23/25 18:32*	*1*
o-Terphenyl	*144*	*S1+*	*70 - 130*	*06/23/25 10:21*	*06/23/25 18:32*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**131**		10.1		mg/Kg			06/25/25 02:42	1

Client Sample ID: HA - 10

Date Collected: 06/20/25 11:25
Date Received: 06/20/25 15:22
Sample Depth: 4

Lab Sample ID: 890-8320-9
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		06/23/25 09:47	06/23/25 17:43	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/23/25 09:47	06/23/25 17:43	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/23/25 09:47	06/23/25 17:43	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/23/25 09:47	06/23/25 17:43	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/23/25 09:47	06/23/25 17:43	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/23/25 09:47	06/23/25 17:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*	*06/23/25 09:47*	*06/23/25 17:43*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*06/23/25 09:47*	*06/23/25 17:43*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			06/23/25 17:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			06/23/25 18:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/23/25 10:21	06/23/25 18:47	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/23/25 10:21	06/23/25 18:47	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/23/25 10:21	06/23/25 18:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*131*	*S1+*	*70 - 130*	*06/23/25 10:21*	*06/23/25 18:47*	*1*
o-Terphenyl	*146*	*S1+*	*70 - 130*	*06/23/25 10:21*	*06/23/25 18:47*	*1*

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit #044H

Job ID: 890-8320-1
SDG: Eddy County, NM

Client Sample ID: HA - 10

Lab Sample ID: 890-8320-9
Matrix: Solid
Date Collected: 06/20/25 11:25
Date Received: 06/20/25 15:22
Sample Depth: 4

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	89.9		9.98		mg/Kg			06/25/25 02:47	1

Client Sample ID: HA - 11

Lab Sample ID: 890-8320-10
Matrix: Solid
Date Collected: 06/20/25 11:30
Date Received: 06/20/25 15:22
Sample Depth: 0.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/23/25 09:47	06/23/25 18:04	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/23/25 09:47	06/23/25 18:04	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/23/25 09:47	06/23/25 18:04	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		06/23/25 09:47	06/23/25 18:04	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/23/25 09:47	06/23/25 18:04	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		06/23/25 09:47	06/23/25 18:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*	*06/23/25 09:47*	*06/23/25 18:04*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*06/23/25 09:47*	*06/23/25 18:04*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			06/23/25 18:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			06/23/25 19:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		06/23/25 10:21	06/23/25 19:02	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		06/23/25 10:21	06/23/25 19:02	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		06/23/25 10:21	06/23/25 19:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*132*	*S1+*	*70 - 130*	*06/23/25 10:21*	*06/23/25 19:02*	*1*
o-Terphenyl	*147*	*S1+*	*70 - 130*	*06/23/25 10:21*	*06/23/25 19:02*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	401		9.90		mg/Kg			06/25/25 02:53	1

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit #044H

Job ID: 890-8320-1
SDG: Eddy County, NM

Client Sample ID: HA - 11

Lab Sample ID: 890-8320-11
Matrix: Solid
Date Collected: 06/20/25 11:35
Date Received: 06/20/25 15:22
Sample Depth: 2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		06/23/25 09:47	06/23/25 18:24	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/23/25 09:47	06/23/25 18:24	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/23/25 09:47	06/23/25 18:24	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/23/25 09:47	06/23/25 18:24	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/23/25 09:47	06/23/25 18:24	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/23/25 09:47	06/23/25 18:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*	*06/23/25 09:47*	*06/23/25 18:24*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*06/23/25 09:47*	*06/23/25 18:24*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			06/23/25 18:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			06/23/25 19:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/23/25 10:21	06/23/25 19:17	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/23/25 10:21	06/23/25 19:17	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/23/25 10:21	06/23/25 19:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*130*		*70 - 130*	*06/23/25 10:21*	*06/23/25 19:17*	*1*
o-Terphenyl	*144*	*S1+*	*70 - 130*	*06/23/25 10:21*	*06/23/25 19:17*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**428**		10.1		mg/Kg			06/25/25 02:59	1

Client Sample ID: HA - 11

Lab Sample ID: 890-8320-12
Matrix: Solid
Date Collected: 06/20/25 11:40
Date Received: 06/20/25 15:22
Sample Depth: 4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		06/23/25 09:47	06/23/25 18:44	1
Toluene	<0.00198	U	0.00198		mg/Kg		06/23/25 09:47	06/23/25 18:44	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		06/23/25 09:47	06/23/25 18:44	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		06/23/25 09:47	06/23/25 18:44	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		06/23/25 09:47	06/23/25 18:44	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		06/23/25 09:47	06/23/25 18:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*	*06/23/25 09:47*	*06/23/25 18:44*	*1*

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit #044H

Job ID: 890-8320-1
SDG: Eddy County, NM

Client Sample ID: HA - 11
Date Collected: 06/20/25 11:40
Date Received: 06/20/25 15:22
Sample Depth: 4

Lab Sample ID: 890-8320-12
Matrix: Solid

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*06/23/25 09:47*	*06/23/25 18:44*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			06/23/25 18:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			06/23/25 19:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		06/23/25 10:21	06/23/25 19:31	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		06/23/25 10:21	06/23/25 19:31	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		06/23/25 10:21	06/23/25 19:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*133*	*S1+*	*70 - 130*	*06/23/25 10:21*	*06/23/25 19:31*	*1*
o-Terphenyl	*145*	*S1+*	*70 - 130*	*06/23/25 10:21*	*06/23/25 19:31*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**156**		9.98		mg/Kg			06/25/25 03:16	1

Surrogate Summary

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit #044H

Job ID: 890-8320-1
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)
890-8320-1	HA - 8	104	98
890-8320-2	HA - 8	106	97
890-8320-3	HA - 8	107	101
890-8320-4	HA - 9	105	100
890-8320-5	HA - 9	106	99
890-8320-6	HA - 9	102	99
890-8320-7	HA - 10	107	101
890-8320-8	HA - 10	104	103
890-8320-9	HA - 10	102	101
890-8320-10	HA - 11	103	98
890-8320-11	HA - 11	106	102
890-8320-12	HA - 11	110	100
LCS 880-112746/1-A	Lab Control Sample	95	93
LCSD 880-112746/2-A	Lab Control Sample Dup	91	89
MB 880-112746/5-A	Method Blank	97	94

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
		1CO1	OTPH1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
890-8320-1	HA - 8	125	129
890-8320-2	HA - 8	126	129
890-8320-3	HA - 8	125	129
890-8320-4	HA - 9	127	130
890-8320-5	HA - 9	124	127
890-8320-6	HA - 9	126	129
890-8320-7	HA - 10	131 S1+	146 S1+
890-8320-7 MS	HA - 10	139 S1+	145 S1+
890-8320-7 MSD	HA - 10	139 S1+	144 S1+
890-8320-8	HA - 10	132 S1+	144 S1+
890-8320-9	HA - 10	131 S1+	146 S1+
890-8320-10	HA - 11	132 S1+	147 S1+
890-8320-11	HA - 11	130	144 S1+
890-8320-12	HA - 11	133 S1+	145 S1+
LCS 880-112769/2-A	Lab Control Sample	80	75
LCS 880-112770/2-A	Lab Control Sample	79	84
LCSD 880-112769/3-A	Lab Control Sample Dup	82	78
LCSD 880-112770/3-A	Lab Control Sample Dup	92	94
MB 880-112769/1-A	Method Blank	110	114
MB 880-112770/1-A	Method Blank	73	81

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit #044H

Job ID: 890-8320-1
SDG: Eddy County, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-112746/5-A
Matrix: Solid
Analysis Batch: 112726

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 112746

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/23/25 09:47	06/23/25 12:14	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/23/25 09:47	06/23/25 12:14	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/23/25 09:47	06/23/25 12:14	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/23/25 09:47	06/23/25 12:14	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/23/25 09:47	06/23/25 12:14	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/23/25 09:47	06/23/25 12:14	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*	*06/23/25 09:47*	*06/23/25 12:14*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*06/23/25 09:47*	*06/23/25 12:14*	*1*

Lab Sample ID: LCS 880-112746/1-A
Matrix: Solid
Analysis Batch: 112726

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 112746

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.1071		mg/Kg		107	70 - 130		
Toluene			0.100	0.1020		mg/Kg		102	70 - 130		
Ethylbenzene			0.100	0.1050		mg/Kg		105	70 - 130		
m-Xylene & p-Xylene			0.200	0.2145		mg/Kg		107	70 - 130		
o-Xylene			0.100	0.1075		mg/Kg		108	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*

Lab Sample ID: LCSD 880-112746/2-A
Matrix: Solid
Analysis Batch: 112726

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 112746

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.1057		mg/Kg		106	70 - 130	1	35
Toluene			0.100	0.1008		mg/Kg		101	70 - 130	1	35
Ethylbenzene			0.100	0.1042		mg/Kg		104	70 - 130	1	35
m-Xylene & p-Xylene			0.200	0.2109		mg/Kg		105	70 - 130	2	35
o-Xylene			0.100	0.1060		mg/Kg		106	70 - 130	1	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*91*		*70 - 130*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit #044H

Job ID: 890-8320-1
SDG: Eddy County, NM

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

Lab Sample ID: MB 880-112769/1-A
Matrix: Solid
Analysis Batch: 112828

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 112769

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/23/25 10:15	06/24/25 00:31	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/23/25 10:15	06/24/25 00:31	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/23/25 10:15	06/24/25 00:31	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*110*		*70 - 130*	*06/23/25 10:15*	*06/24/25 00:31*	*1*
o-Terphenyl	*114*		*70 - 130*	*06/23/25 10:15*	*06/24/25 00:31*	*1*

Lab Sample ID: LCS 880-112769/2-A
Matrix: Solid
Analysis Batch: 112828

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 112769

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	1286		mg/Kg		129	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1109		mg/Kg		111	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*80*		*70 - 130*
o-Terphenyl	*75*		*70 - 130*

Lab Sample ID: LCSD 880-112769/3-A
Matrix: Solid
Analysis Batch: 112828

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 112769

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1311	*+	mg/Kg		131	70 - 130	2	20
Diesel Range Organics (Over C10-C28)			1000	1161		mg/Kg		116	70 - 130	5	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*82*		*70 - 130*
o-Terphenyl	*78*		*70 - 130*

Lab Sample ID: MB 880-112770/1-A
Matrix: Solid
Analysis Batch: 112830

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 112770

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/23/25 10:21	06/23/25 09:29	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/23/25 10:21	06/23/25 09:29	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/23/25 10:21	06/23/25 09:29	1

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit #044H

Job ID: 890-8320-1
SDG: Eddy County, NM

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

Lab Sample ID: MB 880-112770/1-A
Matrix: Solid
Analysis Batch: 112830

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 112770

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	73		70 - 130	06/23/25 10:21	06/23/25 09:29	1
o-Terphenyl	81		70 - 130	06/23/25 10:21	06/23/25 09:29	1

Lab Sample ID: LCS 880-112770/2-A
Matrix: Solid
Analysis Batch: 112830

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 112770

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	1040		mg/Kg		104	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1212		mg/Kg		121	70 - 130		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	79		70 - 130
o-Terphenyl	84		70 - 130

Lab Sample ID: LCSD 880-112770/3-A
Matrix: Solid
Analysis Batch: 112830

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 112770

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1025		mg/Kg		103	70 - 130	1	20
Diesel Range Organics (Over C10-C28)			1000	1092		mg/Kg		109	70 - 130	10	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	92		70 - 130
o-Terphenyl	94		70 - 130

Lab Sample ID: 890-8320-7 MS
Matrix: Solid
Analysis Batch: 112830

Client Sample ID: HA - 10
Prep Type: Total/NA
Prep Batch: 112770

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	1010	905.6		mg/Kg		90	70 - 130		
Diesel Range Organics (Over C10-C28)	<50.1	U	1010	974.3		mg/Kg		97	70 - 130		

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	139	S1+	70 - 130
o-Terphenyl	145	S1+	70 - 130

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit #044H

Job ID: 890-8320-1
SDG: Eddy County, NM

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

Lab Sample ID: 890-8320-7 MSD
Matrix: Solid
Analysis Batch: 112830

Client Sample ID: HA - 10
Prep Type: Total/NA
Prep Batch: 112770

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	1010	912.7		mg/Kg		91	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	<50.1	U	1010	1026		mg/Kg		102	70 - 130	5	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*139*	*S1+*	*70 - 130*
o-Terphenyl	*144*	*S1+*	*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-112861/1-A
Matrix: Solid
Analysis Batch: 112921

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			06/25/25 01:23	1

Lab Sample ID: LCS 880-112861/2-A
Matrix: Solid
Analysis Batch: 112921

Client Sample ID: Lab Control Sample
Prep Type: Soluble

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

Lab Sample ID: LCSD 880-112861/3-A
Matrix: Solid
Analysis Batch: 112921

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	253.8		mg/Kg		102	90 - 110	0	20

Lab Sample ID: 890-8320-1 MS
Matrix: Solid
Analysis Batch: 112921

Client Sample ID: HA - 8
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	77.3	F1	250	363.7	F1	mg/Kg		115	90 - 110

Lab Sample ID: 890-8320-1 MSD
Matrix: Solid
Analysis Batch: 112921

Client Sample ID: HA - 8
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	77.3	F1	250	363.7	F1	mg/Kg		115	90 - 110	0	20

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit #044H

Job ID: 890-8320-1
SDG: Eddy County, NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 890-8320-11 MS
Matrix: Solid
Analysis Batch: 112921

Client Sample ID: HA - 11
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	428		252	662.8		mg/Kg		93	90 - 110		

Lab Sample ID: 890-8320-11 MSD
Matrix: Solid
Analysis Batch: 112921

Client Sample ID: HA - 11
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	428		252	664.9		mg/Kg		94	90 - 110	0	20

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit #044H

Job ID: 890-8320-1
SDG: Eddy County, NM

GC VOA

Analysis Batch: 112726

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8320-1	HA - 8	Total/NA	Solid	8021B	112746
890-8320-2	HA - 8	Total/NA	Solid	8021B	112746
890-8320-3	HA - 8	Total/NA	Solid	8021B	112746
890-8320-4	HA - 9	Total/NA	Solid	8021B	112746
890-8320-5	HA - 9	Total/NA	Solid	8021B	112746
890-8320-6	HA - 9	Total/NA	Solid	8021B	112746
890-8320-7	HA - 10	Total/NA	Solid	8021B	112746
890-8320-8	HA - 10	Total/NA	Solid	8021B	112746
890-8320-9	HA - 10	Total/NA	Solid	8021B	112746
890-8320-10	HA - 11	Total/NA	Solid	8021B	112746
890-8320-11	HA - 11	Total/NA	Solid	8021B	112746
890-8320-12	HA - 11	Total/NA	Solid	8021B	112746
MB 880-112746/5-A	Method Blank	Total/NA	Solid	8021B	112746
LCS 880-112746/1-A	Lab Control Sample	Total/NA	Solid	8021B	112746
LCSD 880-112746/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	112746

Prep Batch: 112746

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8320-1	HA - 8	Total/NA	Solid	5035	
890-8320-2	HA - 8	Total/NA	Solid	5035	
890-8320-3	HA - 8	Total/NA	Solid	5035	
890-8320-4	HA - 9	Total/NA	Solid	5035	
890-8320-5	HA - 9	Total/NA	Solid	5035	
890-8320-6	HA - 9	Total/NA	Solid	5035	
890-8320-7	HA - 10	Total/NA	Solid	5035	
890-8320-8	HA - 10	Total/NA	Solid	5035	
890-8320-9	HA - 10	Total/NA	Solid	5035	
890-8320-10	HA - 11	Total/NA	Solid	5035	
890-8320-11	HA - 11	Total/NA	Solid	5035	
890-8320-12	HA - 11	Total/NA	Solid	5035	
MB 880-112746/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-112746/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-112746/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 112962

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8320-1	HA - 8	Total/NA	Solid	Total BTEX	
890-8320-2	HA - 8	Total/NA	Solid	Total BTEX	
890-8320-3	HA - 8	Total/NA	Solid	Total BTEX	
890-8320-4	HA - 9	Total/NA	Solid	Total BTEX	
890-8320-5	HA - 9	Total/NA	Solid	Total BTEX	
890-8320-6	HA - 9	Total/NA	Solid	Total BTEX	
890-8320-7	HA - 10	Total/NA	Solid	Total BTEX	
890-8320-8	HA - 10	Total/NA	Solid	Total BTEX	
890-8320-9	HA - 10	Total/NA	Solid	Total BTEX	
890-8320-10	HA - 11	Total/NA	Solid	Total BTEX	
890-8320-11	HA - 11	Total/NA	Solid	Total BTEX	
890-8320-12	HA - 11	Total/NA	Solid	Total BTEX	

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit #044H

Job ID: 890-8320-1
SDG: Eddy County, NM

GC Semi VOA

Prep Batch: 112769

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8320-1	HA - 8	Total/NA	Solid	8015NM Prep	
890-8320-2	HA - 8	Total/NA	Solid	8015NM Prep	
890-8320-3	HA - 8	Total/NA	Solid	8015NM Prep	
890-8320-4	HA - 9	Total/NA	Solid	8015NM Prep	
890-8320-5	HA - 9	Total/NA	Solid	8015NM Prep	
890-8320-6	HA - 9	Total/NA	Solid	8015NM Prep	
MB 880-112769/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-112769/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-112769/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Prep Batch: 112770

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8320-7	HA - 10	Total/NA	Solid	8015NM Prep	
890-8320-8	HA - 10	Total/NA	Solid	8015NM Prep	
890-8320-9	HA - 10	Total/NA	Solid	8015NM Prep	
890-8320-10	HA - 11	Total/NA	Solid	8015NM Prep	
890-8320-11	HA - 11	Total/NA	Solid	8015NM Prep	
890-8320-12	HA - 11	Total/NA	Solid	8015NM Prep	
MB 880-112770/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-112770/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-112770/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-8320-7 MS	HA - 10	Total/NA	Solid	8015NM Prep	
890-8320-7 MSD	HA - 10	Total/NA	Solid	8015NM Prep	

Analysis Batch: 112828

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8320-1	HA - 8	Total/NA	Solid	8015B NM	112769
890-8320-2	HA - 8	Total/NA	Solid	8015B NM	112769
890-8320-3	HA - 8	Total/NA	Solid	8015B NM	112769
890-8320-4	HA - 9	Total/NA	Solid	8015B NM	112769
890-8320-5	HA - 9	Total/NA	Solid	8015B NM	112769
890-8320-6	HA - 9	Total/NA	Solid	8015B NM	112769
MB 880-112769/1-A	Method Blank	Total/NA	Solid	8015B NM	112769
LCS 880-112769/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	112769
LCSD 880-112769/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	112769

Analysis Batch: 112830

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8320-7	HA - 10	Total/NA	Solid	8015B NM	112770
890-8320-8	HA - 10	Total/NA	Solid	8015B NM	112770
890-8320-9	HA - 10	Total/NA	Solid	8015B NM	112770
890-8320-10	HA - 11	Total/NA	Solid	8015B NM	112770
890-8320-11	HA - 11	Total/NA	Solid	8015B NM	112770
890-8320-12	HA - 11	Total/NA	Solid	8015B NM	112770
MB 880-112770/1-A	Method Blank	Total/NA	Solid	8015B NM	112770
LCS 880-112770/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	112770
LCSD 880-112770/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	112770
890-8320-7 MS	HA - 10	Total/NA	Solid	8015B NM	112770
890-8320-7 MSD	HA - 10	Total/NA	Solid	8015B NM	112770

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit #044H

Job ID: 890-8320-1
SDG: Eddy County, NM

GC Semi VOA

Analysis Batch: 112908

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8320-1	HA - 8	Total/NA	Solid	8015 NM	
890-8320-2	HA - 8	Total/NA	Solid	8015 NM	
890-8320-3	HA - 8	Total/NA	Solid	8015 NM	
890-8320-4	HA - 9	Total/NA	Solid	8015 NM	
890-8320-5	HA - 9	Total/NA	Solid	8015 NM	
890-8320-6	HA - 9	Total/NA	Solid	8015 NM	
890-8320-7	HA - 10	Total/NA	Solid	8015 NM	
890-8320-8	HA - 10	Total/NA	Solid	8015 NM	
890-8320-9	HA - 10	Total/NA	Solid	8015 NM	
890-8320-10	HA - 11	Total/NA	Solid	8015 NM	
890-8320-11	HA - 11	Total/NA	Solid	8015 NM	
890-8320-12	HA - 11	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 112861

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8320-1	HA - 8	Soluble	Solid	DI Leach	
890-8320-2	HA - 8	Soluble	Solid	DI Leach	
890-8320-3	HA - 8	Soluble	Solid	DI Leach	
890-8320-4	HA - 9	Soluble	Solid	DI Leach	
890-8320-5	HA - 9	Soluble	Solid	DI Leach	
890-8320-6	HA - 9	Soluble	Solid	DI Leach	
890-8320-7	HA - 10	Soluble	Solid	DI Leach	
890-8320-8	HA - 10	Soluble	Solid	DI Leach	
890-8320-9	HA - 10	Soluble	Solid	DI Leach	
890-8320-10	HA - 11	Soluble	Solid	DI Leach	
890-8320-11	HA - 11	Soluble	Solid	DI Leach	
890-8320-12	HA - 11	Soluble	Solid	DI Leach	
MB 880-112861/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-112861/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-112861/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-8320-1 MS	HA - 8	Soluble	Solid	DI Leach	
890-8320-1 MSD	HA - 8	Soluble	Solid	DI Leach	
890-8320-11 MS	HA - 11	Soluble	Solid	DI Leach	
890-8320-11 MSD	HA - 11	Soluble	Solid	DI Leach	

Analysis Batch: 112921

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8320-1	HA - 8	Soluble	Solid	300.0	112861
890-8320-2	HA - 8	Soluble	Solid	300.0	112861
890-8320-3	HA - 8	Soluble	Solid	300.0	112861
890-8320-4	HA - 9	Soluble	Solid	300.0	112861
890-8320-5	HA - 9	Soluble	Solid	300.0	112861
890-8320-6	HA - 9	Soluble	Solid	300.0	112861
890-8320-7	HA - 10	Soluble	Solid	300.0	112861
890-8320-8	HA - 10	Soluble	Solid	300.0	112861
890-8320-9	HA - 10	Soluble	Solid	300.0	112861
890-8320-10	HA - 11	Soluble	Solid	300.0	112861
890-8320-11	HA - 11	Soluble	Solid	300.0	112861
890-8320-12	HA - 11	Soluble	Solid	300.0	112861

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit #044H

Job ID: 890-8320-1
SDG: Eddy County, NM

HPLC/IC (Continued)

Analysis Batch: 112921 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-112861/1-A	Method Blank	Soluble	Solid	300.0	112861
LCS 880-112861/2-A	Lab Control Sample	Soluble	Solid	300.0	112861
LCSD 880-112861/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	112861
890-8320-1 MS	HA - 8	Soluble	Solid	300.0	112861
890-8320-1 MSD	HA - 8	Soluble	Solid	300.0	112861
890-8320-11 MS	HA - 11	Soluble	Solid	300.0	112861
890-8320-11 MSD	HA - 11	Soluble	Solid	300.0	112861

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit #044H

Job ID: 890-8320-1
SDG: Eddy County, NM

Client Sample ID: HA - 8
Date Collected: 06/19/25 14:30
Date Received: 06/20/25 15:22

Lab Sample ID: 890-8320-1
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	112746	06/23/25 09:47	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	112726	06/23/25 13:57	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			112962	06/23/25 13:57	SA	EET MID
Total/NA	Analysis	8015 NM		1			112908	06/24/25 05:33	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	112769	06/23/25 10:15	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	112828	06/24/25 05:33	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	112861	06/24/25 09:29	SI	EET MID
Soluble	Analysis	300.0		1			112921	06/25/25 01:40	CS	EET MID

Client Sample ID: HA - 8
Date Collected: 06/19/25 14:35
Date Received: 06/20/25 15:22

Lab Sample ID: 890-8320-2
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			4.99 g	5 mL	112746	06/23/25 09:47	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	112726	06/23/25 14:18	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			112962	06/23/25 14:18	SA	EET MID
Total/NA	Analysis	8015 NM		1			112908	06/24/25 05:47	SA	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	112769	06/23/25 10:15	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	112828	06/24/25 05:47	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	112861	06/24/25 09:29	SI	EET MID
Soluble	Analysis	300.0		1			112921	06/25/25 01:57	CS	EET MID

Client Sample ID: HA - 8
Date Collected: 06/19/25 14:40
Date Received: 06/20/25 15:22

Lab Sample ID: 890-8320-3
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			4.96 g	5 mL	112746	06/23/25 09:47	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	112726	06/23/25 14:38	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			112962	06/23/25 14:38	SA	EET MID
Total/NA	Analysis	8015 NM		1			112908	06/24/25 06:02	SA	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	112769	06/23/25 10:15	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	112828	06/24/25 06:02	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	112861	06/24/25 09:29	SI	EET MID
Soluble	Analysis	300.0		1			112921	06/25/25 02:02	CS	EET MID

Client Sample ID: HA - 9
Date Collected: 06/19/25 14:45
Date Received: 06/20/25 15:22

Lab Sample ID: 890-8320-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	112746	06/23/25 09:47	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	112726	06/23/25 14:59	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			112962	06/23/25 14:59	SA	EET MID

Lab Chronicle

Client: Earth Systems Response and Restoration
Job ID: 890-8320-1
Project/Site: Ross Draw Unit #044H
SDG: Eddy County, NM

Client Sample ID: HA - 9
Lab Sample ID: 890-8320-4
Date Collected: 06/19/25 14:45
Matrix: Solid
Date Received: 06/20/25 15:22

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			112908	06/24/25 06:17	SA	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10 mL	112769	06/23/25 10:15	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	112828	06/24/25 06:17	TKC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	112861	06/24/25 09:29	SI	EET MID
Soluble	Analysis	300.0		1			112921	06/25/25 02:08	CS	EET MID

Client Sample ID: HA - 9
Lab Sample ID: 890-8320-5
Date Collected: 06/19/25 14:50
Matrix: Solid
Date Received: 06/20/25 15:22

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	112746	06/23/25 09:47	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	112726	06/23/25 15:19	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			112962	06/23/25 15:19	SA	EET MID
Total/NA	Analysis	8015 NM		1			112908	06/24/25 06:31	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	112769	06/23/25 10:15	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	112828	06/24/25 06:31	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	112861	06/24/25 09:29	SI	EET MID
Soluble	Analysis	300.0		1			112921	06/25/25 02:14	CS	EET MID

Client Sample ID: HA - 9
Lab Sample ID: 890-8320-6
Date Collected: 06/19/25 14:55
Matrix: Solid
Date Received: 06/20/25 15:22

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	112746	06/23/25 09:47	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	112726	06/23/25 15:40	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			112962	06/23/25 15:40	SA	EET MID
Total/NA	Analysis	8015 NM		1			112908	06/24/25 06:46	SA	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	112769	06/23/25 10:15	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	112828	06/24/25 06:46	TKC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	112861	06/24/25 09:29	SI	EET MID
Soluble	Analysis	300.0		1			112921	06/25/25 02:31	CS	EET MID

Client Sample ID: HA - 10
Lab Sample ID: 890-8320-7
Date Collected: 06/20/25 11:15
Matrix: Solid
Date Received: 06/20/25 15:22

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	112746	06/23/25 09:47	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	112726	06/23/25 17:02	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			112962	06/23/25 17:02	SA	EET MID
Total/NA	Analysis	8015 NM		1			112908	06/23/25 17:46	SA	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10 mL	112770	06/23/25 10:21	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	112830	06/23/25 17:46	TKC	EET MID

Lab Chronicle

Client: Earth Systems Response and Restoration
Job ID: 890-8320-1
Project/Site: Ross Draw Unit #044H
SDG: Eddy County, NM

Client Sample ID: HA - 10
Lab Sample ID: 890-8320-7
Date Collected: 06/20/25 11:15
Matrix: Solid
Date Received: 06/20/25 15:22

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.02 g	50 mL	112861	06/24/25 09:29	SI	EET MID
Soluble	Analysis	300.0		1			112921	06/25/25 02:36	CS	EET MID

Client Sample ID: HA - 10
Lab Sample ID: 890-8320-8
Date Collected: 06/20/25 11:20
Matrix: Solid
Date Received: 06/20/25 15:22

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	112746	06/23/25 09:47	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	112726	06/23/25 17:23	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			112962	06/23/25 17:23	SA	EET MID
Total/NA	Analysis	8015 NM		1			112908	06/23/25 18:32	SA	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	112770	06/23/25 10:21	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	112830	06/23/25 18:32	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	112861	06/24/25 09:29	SI	EET MID
Soluble	Analysis	300.0		1			112921	06/25/25 02:42	CS	EET MID

Client Sample ID: HA - 10
Lab Sample ID: 890-8320-9
Date Collected: 06/20/25 11:25
Matrix: Solid
Date Received: 06/20/25 15:22

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	112746	06/23/25 09:47	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	112726	06/23/25 17:43	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			112962	06/23/25 17:43	SA	EET MID
Total/NA	Analysis	8015 NM		1			112908	06/23/25 18:47	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	112770	06/23/25 10:21	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	112830	06/23/25 18:47	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	112861	06/24/25 09:29	SI	EET MID
Soluble	Analysis	300.0		1			112921	06/25/25 02:47	CS	EET MID

Client Sample ID: HA - 11
Lab Sample ID: 890-8320-10
Date Collected: 06/20/25 11:30
Matrix: Solid
Date Received: 06/20/25 15:22

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	112746	06/23/25 09:47	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	112726	06/23/25 18:04	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			112962	06/23/25 18:04	SA	EET MID
Total/NA	Analysis	8015 NM		1			112908	06/23/25 19:02	SA	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	112770	06/23/25 10:21	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	112830	06/23/25 19:02	TKC	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	112861	06/24/25 09:29	SI	EET MID
Soluble	Analysis	300.0		1			112921	06/25/25 02:53	CS	EET MID

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit #044H

Job ID: 890-8320-1
SDG: Eddy County, NM

Client Sample ID: HA - 11
Date Collected: 06/20/25 11:35
Date Received: 06/20/25 15:22

Lab Sample ID: 890-8320-11
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	112746	06/23/25 09:47	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	112726	06/23/25 18:24	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			112962	06/23/25 18:24	SA	EET MID
Total/NA	Analysis	8015 NM		1			112908	06/23/25 19:17	SA	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	112770	06/23/25 10:21	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	112830	06/23/25 19:17	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	112861	06/24/25 09:29	SI	EET MID
Soluble	Analysis	300.0		1			112921	06/25/25 02:59	CS	EET MID

Client Sample ID: HA - 11
Date Collected: 06/20/25 11:40
Date Received: 06/20/25 15:22

Lab Sample ID: 890-8320-12
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	112746	06/23/25 09:47	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	112726	06/23/25 18:44	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			112962	06/23/25 18:44	SA	EET MID
Total/NA	Analysis	8015 NM		1			112908	06/23/25 19:31	SA	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	112770	06/23/25 10:21	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	112830	06/23/25 19:31	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	112861	06/24/25 09:29	SI	EET MID
Soluble	Analysis	300.0		1			112921	06/25/25 03:16	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: 890-8320-1
Project/Site: Ross Draw Unit #044H
SDG: Eddy County, NM

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-25

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

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

Method Summary

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit #044H

Job ID: 890-8320-1
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: Ross Draw Unit #044H

Job ID: 890-8320-1
SDG: Eddy County, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-8320-1	HA - 8	Solid	06/19/25 14:30	06/20/25 15:22	0.5
890-8320-2	HA - 8	Solid	06/19/25 14:35	06/20/25 15:22	2
890-8320-3	HA - 8	Solid	06/19/25 14:40	06/20/25 15:22	4
890-8320-4	HA - 9	Solid	06/19/25 14:45	06/20/25 15:22	0.5
890-8320-5	HA - 9	Solid	06/19/25 14:50	06/20/25 15:22	2
890-8320-6	HA - 9	Solid	06/19/25 14:55	06/20/25 15:22	4
890-8320-7	HA - 10	Solid	06/20/25 11:15	06/20/25 15:22	0.5
890-8320-8	HA - 10	Solid	06/20/25 11:20	06/20/25 15:22	2
890-8320-9	HA - 10	Solid	06/20/25 11:25	06/20/25 15:22	4
890-8320-10	HA - 11	Solid	06/20/25 11:30	06/20/25 15:22	0.5
890-8320-11	HA - 11	Solid	06/20/25 11:35	06/20/25 15:22	2
890-8320-12	HA - 11	Solid	06/20/25 11:40	06/20/25 15:22	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: _____

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

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:	ROSS DRAW UNIT #044H	**Turn Around**	
Project Number:	155	☑ 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 #:	21547716		

SAMPLE RECEIPT	Temp Blank: (Yes) No	Wet Ice:	(Yes) No
Samples Received Intact:	(Yes) No	Thermometer ID:	Tunder
~~Cooler Custody Seals:~~	Yes No (N/A)	Correction Factor:	-0.2
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	8.4
~~Total Containers:~~		Corrected Temperature:	8.2

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 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-8	S	6.19.25	14:30	0.5	Grab/	1	X	X	X			Incident Number
HA-8	S	6.19.25	14:35	2	Grab/	1	X	X	X			nAPP2508325453
HA-8	S	6.19.25	14:40	4	Grab/	1	X	X	X			
HA-9	S	6.19.25	14:45	0.5	Grab/	1	X	X	X			
HA-9	S	6.19.25	14:50	2	Grab/	1	X	X	X			
HA-9	S	6.19.25	14:55	4	Grab/	1	X	X	X			
HA-10	S	6.20.25	11:15	0.5	Grab/	1	X	X	X			
HA-10	S	6.20.25	11:20	2	Grab/	1	X	X	X			
HA-10	S	6.20.25	11:25	4	Grab/	1	X	X	X			

890-8320 Chain of Custody

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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		6/20 1502	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

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Released to Imaging: 6/3/2026 2:28:14 PM

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6/25/2025

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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)	Jim Raley
Company Name:	Earth Systems R&R	Company Name:	Devon Energy
Address:	1910 Resource Ct.	Address:	
City, State ZIP:	Carlsbad, NM, 88220	City, State ZIP:	
Phone:	832-541-7719	Email:	gmoreno@earthsys.net

Work Order Comments

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

Project Name:	ROSS DRAW UNIT #044H	**Turn Around**	
Project Number:	155	☑ 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 #:	21547716		

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:	0.4
Total Containers:		Corrected Temperature:	0.2

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 Identification	Matrix	Date Sampled	Time Sampled	Depth (feet)	Grab/ Comp	# of Cont	TPH -NM	Chloride-NM	BTEX-NM	Hold	24 Hr Rush
HA-11	S	6.20.25	11:30	0.5	Grab/	1	X	X	X		
HA-11	S	6.20.25	11:35	2	Grab/	1	X	X	X		
HA-11	S	6.20.25	11:40	4	Grab/	1	X	X	X		

Sample Comments

Incident Number
nAPP2508325453

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		6/20 1522	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

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

Chain of Custody Record

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Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Teel, Brianna	Carrier Tracking No(s): N/A	COC No: 890-5288.1
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 #: 890-8320-1
Address: 1211 W. Florida Ave, ,	Due Date Requested: 6/26/2025			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: ROSS DRAW UNIT # 044H	Project #: 88001228			
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)	Total_BTEX_GCV	8021B/5035FP_CalcBTEX	300_ORGFM_28D/DI_LEACHChloride	8015MOD_Calc	8015MOD_NM/8015NM_S_Prep8015 NM	Total Number of containers	Special Instructions/Note:
			Preservation Code:										
HA - 8 (890-8320-1)	6/19/25	14:30 Mountain	G	Solid			X	X	X	X	X	1	
HA - 8 (890-8320-2)	6/19/25	14:35 Mountain	G	Solid			X	X	X	X	X	1	
HA - 8 (890-8320-3)	6/19/25	14:40 Mountain	G	Solid			X	X	X	X	X	1	
HA - 9 (890-8320-4)	6/19/25	14:45 Mountain	G	Solid			X	X	X	X	X	1	
HA - 9 (890-8320-5)	6/19/25	14:50 Mountain	G	Solid			X	X	X	X	X	1	
HA - 9 (890-8320-6)	6/19/25	14:55 Mountain	G	Solid			X	X	X	X	X	1	
HA - 10 (890-8320-7)	6/20/25	11:15 Mountain	G	Solid			X	X	X	X	X	1	
HA - 10 (890-8320-8)	6/20/25	11:20 Mountain	G	Solid			X	X	X	X	X	1	
HA - 10 (890-8320-9)	6/20/25	11:25 Mountain	G	Solid			X	X	X	X	X	1	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/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:	Company	Received by:	Date/Time:	Company
1		6/20/25 1118				
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
					6/21/25 0800	
3	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 °C — IR-8 (-0.1)

Released to Imaging: 6/3/2026 2:28:14 PM
Received by OCD: 5/18/2026 12:12:15 PM

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: 890-5288.2
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 #: 890-8320-1
Address: 1211 W. Florida Ave, ,	Due Date Requested: 6/26/2025			
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: ROSS DRAW UNIT # 044H	Project #: 88001228			
Site: N/A	SSOW#: N/A			

Analysis Requested

Preservation Codes: -

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)	Preservation Code:	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	Total_BTEX_GCV	8021B/5035FP_CalcBTEX	300_ORGFM_28D/DI_LEACHChloride	8015MOD_Calc	8015MOD_NM/8015NM_S_Prep8015 NM	Total Number of containers	Special Instructions/Note:
HA - 11 (890-8320-10)	6/20/25	11:30 Mountain	G	Solid				X	X	X	X	X	1	
HA - 11 (890-8320-11)	6/20/25	11:35 Mountain	G	Solid				X	X	X	X	X	1	
HA - 11 (890-8320-12)	6/20/25	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
abel	6/20 16:18		Teddy Randell Lee	6/21/25 0800	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	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 °C IR-8 (0.1)

Ver: 10/10/2024

Login Sample Receipt Checklist

Client: Earth Systems Response and Restoration

Job Number: 890-8320-1
SDG Number: Eddy County, NM

Login Number: 8320
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: 890-8320-1
SDG Number: Eddy County, NM

Login Number: 8320
List Number: 2
Creator: Rios, Minerva

List Source: Eurofins Midland
List Creation: 06/23/25 11:18 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 6/25/2025 11:14:42 AM

JOB DESCRIPTION

Ross Draw Unit # 044H
Eddy County, NM

JOB NUMBER

890-8322-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

Released to Imaging: 6/3/2026 2:28:14 PM

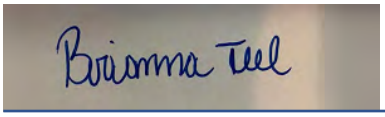
Eurofins Carlsbad

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
6/25/2025 11:14:42 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: Ross Draw Unit # 044H

Laboratory Job ID: 890-8322-1
SDG: Eddy County, NM

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Definitions/Glossary

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit # 044H

Job ID: 890-8322-1
SDG: Eddy County, NM

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

Qualifier	Qualifier Description
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: 890-8322-1
Project: Ross Draw Unit # 044H

Job ID: 890-8322-1 — Eurofins Carlsbad

Job Narrative
890-8322-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 6/20/2025 3:22 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 0.2°C.

Receipt Exceptions
The following samples were received and analyzed from an unpreserved bulk soil jar: HA - 12 (890-8322-1), HA - 12 (890-8322-2) and HA - 12 (890-8322-3).

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

Diesel Range Organics
Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: HA - 12 (890-8322-2) and (890-8320-A-7-B). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: HA - 12 (890-8322-1) and HA - 12 (890-8322-3). Evidence of matrix interferences is not obvious.

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

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

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit # 044H

Job ID: 890-8322-1
SDG: Eddy County, NM

Client Sample ID: HA - 12

Date Collected: 06/20/25 11:45
Date Received: 06/20/25 15:22
Sample Depth: 0.5

Lab Sample ID: 890-8322-1
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		06/23/25 09:42	06/23/25 18:30	1
Toluene	<0.00201	U	0.00201		mg/Kg		06/23/25 09:42	06/23/25 18:30	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		06/23/25 09:42	06/23/25 18:30	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		06/23/25 09:42	06/23/25 18:30	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		06/23/25 09:42	06/23/25 18:30	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		06/23/25 09:42	06/23/25 18:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*	*06/23/25 09:42*	*06/23/25 18:30*	*1*
1,4-Difluorobenzene (Surr)	*80*		*70 - 130*	*06/23/25 09:42*	*06/23/25 18:30*	*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			06/23/25 18:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.2	U	50.2		mg/Kg			06/23/25 20:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.2	U	50.2		mg/Kg		06/23/25 10:21	06/23/25 20:30	1
Diesel Range Organics (Over C10-C28)	<50.2	U	50.2		mg/Kg		06/23/25 10:21	06/23/25 20:30	1
Oil Range Organics (Over C28-C36)	<50.2	U	50.2		mg/Kg		06/23/25 10:21	06/23/25 20:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*130*		*70 - 130*	*06/23/25 10:21*	*06/23/25 20:30*	*1*
o-Terphenyl	*145*	*S1+*	*70 - 130*	*06/23/25 10:21*	*06/23/25 20:30*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**138**		10.1		mg/Kg			06/25/25 03:50	1

Client Sample ID: HA - 12

Date Collected: 06/20/25 11:50
Date Received: 06/20/25 15:22
Sample Depth: 2

Lab Sample ID: 890-8322-2
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		06/23/25 09:42	06/23/25 18:50	1
Toluene	<0.00202	U	0.00202		mg/Kg		06/23/25 09:42	06/23/25 18:50	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		06/23/25 09:42	06/23/25 18:50	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		06/23/25 09:42	06/23/25 18:50	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		06/23/25 09:42	06/23/25 18:50	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		06/23/25 09:42	06/23/25 18:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*89*		*70 - 130*	*06/23/25 09:42*	*06/23/25 18:50*	*1*

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit # 044H

Job ID: 890-8322-1
SDG: Eddy County, NM

Client Sample ID: HA - 12

Date Collected: 06/20/25 11:50
Date Received: 06/20/25 15:22
Sample Depth: 2

Lab Sample ID: 890-8322-2

Matrix: Solid

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*06/23/25 09:42*	*06/23/25 18:50*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			06/23/25 18:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			06/23/25 21:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		06/23/25 10:21	06/23/25 21:01	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/23/25 10:21	06/23/25 21:01	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/23/25 10:21	06/23/25 21:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*131*	*S1+*	*70 - 130*	*06/23/25 10:21*	*06/23/25 21:01*	*1*
o-Terphenyl	*144*	*S1+*	*70 - 130*	*06/23/25 10:21*	*06/23/25 21:01*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2860**		50.3		mg/Kg			06/25/25 03:55	5

Client Sample ID: HA - 12

Date Collected: 06/20/25 11:55
Date Received: 06/20/25 15:22
Sample Depth: 4

Lab Sample ID: 890-8322-3

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		06/23/25 09:42	06/23/25 19:11	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/23/25 09:42	06/23/25 19:11	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/23/25 09:42	06/23/25 19:11	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/23/25 09:42	06/23/25 19:11	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/23/25 09:42	06/23/25 19:11	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/23/25 09:42	06/23/25 19:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*70 - 130*	*06/23/25 09:42*	*06/23/25 19:11*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*06/23/25 09:42*	*06/23/25 19:11*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			06/23/25 19:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			06/23/25 21:16	1

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit # 044H

Job ID: 890-8322-1
SDG: Eddy County, NM

Client Sample ID: HA - 12

Date Collected: 06/20/25 11:55
Date Received: 06/20/25 15:22
Sample Depth: 4

Lab Sample ID: 890-8322-3

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	<49.6	U	49.6		mg/Kg		06/23/25 10:21	06/23/25 21:16	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		06/23/25 10:21	06/23/25 21:16	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		06/23/25 10:21	06/23/25 21:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*130*		*70 - 130*	*06/23/25 10:21*	*06/23/25 21:16*	*1*
o-Terphenyl	*145*	*S1+*	*70 - 130*	*06/23/25 10:21*	*06/23/25 21:16*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**3200**		49.9		mg/Kg			06/25/25 04:01	5

Surrogate Summary

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit # 044H

Job ID: 890-8322-1
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)										
890-8322-1	HA - 12	92	80										
890-8322-2	HA - 12	89	90										
890-8322-3	HA - 12	91	96										
LCS 880-112742/1-A	Lab Control Sample	91	96										
LCSD 880-112742/2-A	Lab Control Sample Dup	102	96										
MB 880-112742/5-A	Method Blank	86	92										

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)										
890-8322-1	HA - 12	130	145 S1+										
890-8322-2	HA - 12	131 S1+	144 S1+										
890-8322-3	HA - 12	130	145 S1+										
LCS 880-112770/2-A	Lab Control Sample	79	84										
LCSD 880-112770/3-A	Lab Control Sample Dup	92	94										
MB 880-112770/1-A	Method Blank	73	81										

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit # 044H

Job ID: 890-8322-1
SDG: Eddy County, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-112742/5-A
Matrix: Solid
Analysis Batch: 112766

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 112742

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/23/25 09:42	06/23/25 13:39	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/23/25 09:42	06/23/25 13:39	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/23/25 09:42	06/23/25 13:39	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/23/25 09:42	06/23/25 13:39	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/23/25 09:42	06/23/25 13:39	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/23/25 09:42	06/23/25 13:39	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*86*		*70 - 130*	*06/23/25 09:42*	*06/23/25 13:39*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*06/23/25 09:42*	*06/23/25 13:39*	*1*

Lab Sample ID: LCS 880-112742/1-A
Matrix: Solid
Analysis Batch: 112766

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 112742

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.09095		mg/Kg		91	70 - 130		
Toluene			0.100	0.09077		mg/Kg		91	70 - 130		
Ethylbenzene			0.100	0.09204		mg/Kg		92	70 - 130		
m-Xylene & p-Xylene			0.200	0.1644		mg/Kg		82	70 - 130		
o-Xylene			0.100	0.08370		mg/Kg		84	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*91*		*70 - 130*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*

Lab Sample ID: LCSD 880-112742/2-A
Matrix: Solid
Analysis Batch: 112766

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 112742

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.09500		mg/Kg		95	70 - 130	4	35
Toluene			0.100	0.09604		mg/Kg		96	70 - 130	6	35
Ethylbenzene			0.100	0.1000		mg/Kg		100	70 - 130	8	35
m-Xylene & p-Xylene			0.200	0.2003		mg/Kg		100	70 - 130	20	35
o-Xylene			0.100	0.1011		mg/Kg		101	70 - 130	19	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit # 044H

Job ID: 890-8322-1
SDG: Eddy County, NM

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

Lab Sample ID: MB 880-112770/1-A
Matrix: Solid
Analysis Batch: 112830

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 112770

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/23/25 10:21	06/23/25 09:29	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/23/25 10:21	06/23/25 09:29	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/23/25 10:21	06/23/25 09:29	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*73*		*70 - 130*	*06/23/25 10:21*	*06/23/25 09:29*	*1*
o-Terphenyl	*81*		*70 - 130*	*06/23/25 10:21*	*06/23/25 09:29*	*1*

Lab Sample ID: LCS 880-112770/2-A
Matrix: Solid
Analysis Batch: 112830

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 112770

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	1040		mg/Kg		104	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1212		mg/Kg		121	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*79*		*70 - 130*
o-Terphenyl	*84*		*70 - 130*

Lab Sample ID: LCSD 880-112770/3-A
Matrix: Solid
Analysis Batch: 112830

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 112770

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1025		mg/Kg		103	70 - 130	1	20
Diesel Range Organics (Over C10-C28)			1000	1092		mg/Kg		109	70 - 130	10	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*92*		*70 - 130*
o-Terphenyl	*94*		*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-112861/1-A
Matrix: Solid
Analysis Batch: 112921

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			06/25/25 01:23	1

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit # 044H

Job ID: 890-8322-1
SDG: Eddy County, NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-112861/2-A
Matrix: Solid
Analysis Batch: 112921

Client Sample ID: Lab Control Sample
Prep Type: Soluble

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

Lab Sample ID: LCSD 880-112861/3-A
Matrix: Solid
Analysis Batch: 112921

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	253.8		mg/Kg		102	90 - 110	0	20

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit # 044H

Job ID: 890-8322-1
SDG: Eddy County, NM

GC VOA

Prep Batch: 112742

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8322-1	HA - 12	Total/NA	Solid	5035	
890-8322-2	HA - 12	Total/NA	Solid	5035	
890-8322-3	HA - 12	Total/NA	Solid	5035	
MB 880-112742/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-112742/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-112742/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 112766

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8322-1	HA - 12	Total/NA	Solid	8021B	112742
890-8322-2	HA - 12	Total/NA	Solid	8021B	112742
890-8322-3	HA - 12	Total/NA	Solid	8021B	112742
MB 880-112742/5-A	Method Blank	Total/NA	Solid	8021B	112742
LCS 880-112742/1-A	Lab Control Sample	Total/NA	Solid	8021B	112742
LCSD 880-112742/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	112742

Analysis Batch: 112959

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8322-1	HA - 12	Total/NA	Solid	Total BTEX	
890-8322-2	HA - 12	Total/NA	Solid	Total BTEX	
890-8322-3	HA - 12	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 112770

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8322-1	HA - 12	Total/NA	Solid	8015NM Prep	
890-8322-2	HA - 12	Total/NA	Solid	8015NM Prep	
890-8322-3	HA - 12	Total/NA	Solid	8015NM Prep	
MB 880-112770/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-112770/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-112770/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 112830

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8322-1	HA - 12	Total/NA	Solid	8015B NM	112770
890-8322-2	HA - 12	Total/NA	Solid	8015B NM	112770
890-8322-3	HA - 12	Total/NA	Solid	8015B NM	112770
MB 880-112770/1-A	Method Blank	Total/NA	Solid	8015B NM	112770
LCS 880-112770/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	112770
LCSD 880-112770/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	112770

Analysis Batch: 112931

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8322-1	HA - 12	Total/NA	Solid	8015 NM	
890-8322-2	HA - 12	Total/NA	Solid	8015 NM	
890-8322-3	HA - 12	Total/NA	Solid	8015 NM	

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit # 044H

Job ID: 890-8322-1
SDG: Eddy County, NM

HPLC/IC

Leach Batch: 112861

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8322-1	HA - 12	Soluble	Solid	DI Leach	
890-8322-2	HA - 12	Soluble	Solid	DI Leach	
890-8322-3	HA - 12	Soluble	Solid	DI Leach	
MB 880-112861/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-112861/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-112861/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Analysis Batch: 112921

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8322-1	HA - 12	Soluble	Solid	300.0	112861
890-8322-2	HA - 12	Soluble	Solid	300.0	112861
890-8322-3	HA - 12	Soluble	Solid	300.0	112861
MB 880-112861/1-A	Method Blank	Soluble	Solid	300.0	112861
LCS 880-112861/2-A	Lab Control Sample	Soluble	Solid	300.0	112861
LCSD 880-112861/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	112861

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit # 044H

Job ID: 890-8322-1
SDG: Eddy County, NM

Client Sample ID: HA - 12
Date Collected: 06/20/25 11:45
Date Received: 06/20/25 15:22

Lab Sample ID: 890-8322-1
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			4.97 g	5 mL	112742	06/23/25 09:42	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	112766	06/23/25 18:30	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			112959	06/23/25 18:30	SA	EET MID
Total/NA	Analysis	8015 NM		1			112931	06/23/25 20:30	SA	EET MID
Total/NA	Prep	8015NM Prep			9.96 g	10 mL	112770	06/23/25 10:21	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	112830	06/23/25 20:30	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	112861	06/24/25 09:29	SI	EET MID
Soluble	Analysis	300.0		1			112921	06/25/25 03:50	CS	EET MID

Client Sample ID: HA - 12
Date Collected: 06/20/25 11:50
Date Received: 06/20/25 15:22

Lab Sample ID: 890-8322-2
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			4.96 g	5 mL	112742	06/23/25 09:42	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	112766	06/23/25 18:50	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			112959	06/23/25 18:50	SA	EET MID
Total/NA	Analysis	8015 NM		1			112931	06/23/25 21:01	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	112770	06/23/25 10:21	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	112830	06/23/25 21:01	TKC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	112861	06/24/25 09:29	SI	EET MID
Soluble	Analysis	300.0		5			112921	06/25/25 03:55	CS	EET MID

Client Sample ID: HA - 12
Date Collected: 06/20/25 11:55
Date Received: 06/20/25 15:22

Lab Sample ID: 890-8322-3
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			5.02 g	5 mL	112742	06/23/25 09:42	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	112766	06/23/25 19:11	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			112959	06/23/25 19:11	SA	EET MID
Total/NA	Analysis	8015 NM		1			112931	06/23/25 21:16	SA	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	112770	06/23/25 10:21	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	112830	06/23/25 21:16	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	112861	06/24/25 09:29	SI	EET MID
Soluble	Analysis	300.0		5			112921	06/25/25 04:01	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: 890-8322-1
Project/Site: Ross Draw Unit # 044H
SDG: Eddy County, NM

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-25

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

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

Method Summary

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit # 044H

Job ID: 890-8322-1
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: Ross Draw Unit # 044H

Job ID: 890-8322-1
SDG: Eddy County, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-8322-1	HA - 12	Solid	06/20/25 11:45	06/20/25 15:22	0.5
890-8322-2	HA - 12	Solid	06/20/25 11:50	06/20/25 15:22	2
890-8322-3	HA - 12	Solid	06/20/25 11:55	06/20/25 15:22	4

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6/25/2025

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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 1

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

Work Order Comments

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

Project Name:	ROSS DRAW UNIT #044H	Turn Around	
Project Number:	155	☑ 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 #:	21547716		

SAMPLE RECEIPT			
Temp Blank:	(Yes) No	Wet Ice:	(Yes) No
Samples Received Intact:	(Yes) No	Thermometer ID:	Tum007
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-0.2
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	0.4
Total Containers:		Corrected Temperature:	0.2

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

890-8322 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-12	S	6.20.25	11:45	0.5	Grab/	1	X	X	X			Incident Number
HA-12	S	6.20.25	11:50	2	Grab/	1	X	X	X			nAPP2508325453
HA-12	S	6.20.25	11:55	4	Grab/	1	X	X	X			

Parameters

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			6/20 1522			
3				4		
5				6		

Revised Date: 08/25/2020 Rev. 2020.2

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Received by OCD: 5/18/2026 12:12:15 PM

Released to Imaging: 6/3/2026 2:28:14 PM

Login Sample Receipt Checklist

Client: Earth Systems Response and Restoration

Job Number: 890-8322-1
SDG Number: Eddy County, NM

Login Number: 8322
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: 890-8322-1
SDG Number: Eddy County, NM

Login Number: 8322
List Number: 2
Creator: Rios, Minerva

List Source: Eurofins Midland
List Creation: 06/23/25 11:23 AM

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

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 6/25/2025 10:48:44 AM

JOB DESCRIPTION

Ross Draw Unit #044H
Eddy County, NM

JOB NUMBER

890-8321-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

Released to Imaging: 6/3/2026 2:28:14 PM

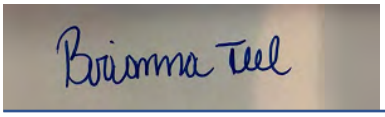
Eurofins Carlsbad

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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6/25/2025 10:48:44 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: Ross Draw Unit #044H

Laboratory Job ID: 890-8321-1
SDG: Eddy County, NM

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Definitions/Glossary

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit #044H

Job ID: 890-8321-1
SDG: Eddy County, NM

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

Qualifier	Qualifier Description
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: 890-8321-1
Project: Ross Draw Unit #044H

Job ID: 890-8321-1 — Eurofins Carlsbad

Job Narrative
890-8321-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 6/20/2025 3:22 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 0.2°C.

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

Diesel Range Organics
Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: HA-12 (890-8321-1), HA-12A (890-8321-2), HA-12A (890-8321-3) and (890-8320-A-7-B). 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: Ross Draw Unit #044H

Job ID: 890-8321-1
SDG: Eddy County, NM

Client Sample ID: HA-12

Lab Sample ID: 890-8321-1
Matrix: Solid
Date Collected: 06/20/25 12:00
Date Received: 06/20/25 15:22
Sample Depth: 0.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/23/25 09:47	06/23/25 12:36	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/23/25 09:47	06/23/25 12:36	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/23/25 09:47	06/23/25 12:36	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		06/23/25 09:47	06/23/25 12:36	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/23/25 09:47	06/23/25 12:36	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		06/23/25 09:47	06/23/25 12:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*	*06/23/25 09:47*	*06/23/25 12:36*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*06/23/25 09:47*	*06/23/25 12:36*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			06/23/25 12:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			06/23/25 19:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6		mg/Kg		06/23/25 10:21	06/23/25 19:46	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		06/23/25 10:21	06/23/25 19:46	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		06/23/25 10:21	06/23/25 19:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*133*	*S1+*	*70 - 130*	*06/23/25 10:21*	*06/23/25 19:46*	*1*
o-Terphenyl	*147*	*S1+*	*70 - 130*	*06/23/25 10:21*	*06/23/25 19:46*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**197**		10.1		mg/Kg			06/25/25 03:21	1

Client Sample ID: HA-12A

Lab Sample ID: 890-8321-2
Matrix: Solid
Date Collected: 06/20/25 12:05
Date Received: 06/20/25 15:22
Sample Depth: 2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		06/23/25 09:47	06/23/25 12:56	1
Toluene	<0.00201	U	0.00201		mg/Kg		06/23/25 09:47	06/23/25 12:56	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		06/23/25 09:47	06/23/25 12:56	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		06/23/25 09:47	06/23/25 12:56	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		06/23/25 09:47	06/23/25 12:56	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		06/23/25 09:47	06/23/25 12:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*	*06/23/25 09:47*	*06/23/25 12:56*	*1*

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit #044H

Job ID: 890-8321-1
SDG: Eddy County, NM

Client Sample ID: HA-12A

Lab Sample ID: 890-8321-2
Matrix: Solid
Date Collected: 06/20/25 12:05
Date Received: 06/20/25 15:22
Sample Depth: 2

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*06/23/25 09:47*	*06/23/25 12:56*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			06/23/25 12:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			06/23/25 20:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/23/25 10:21	06/23/25 20:00	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/23/25 10:21	06/23/25 20:00	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/23/25 10:21	06/23/25 20:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*131*	*S1+*	*70 - 130*	*06/23/25 10:21*	*06/23/25 20:00*	*1*
o-Terphenyl	*144*	*S1+*	*70 - 130*	*06/23/25 10:21*	*06/23/25 20:00*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**752**		10.1		mg/Kg			06/25/25 03:38	1

Client Sample ID: HA-12A

Lab Sample ID: 890-8321-3
Matrix: Solid
Date Collected: 06/20/25 12:10
Date Received: 06/20/25 15:22
Sample Depth: 4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		06/23/25 09:47	06/23/25 13:17	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/23/25 09:47	06/23/25 13:17	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/23/25 09:47	06/23/25 13:17	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/23/25 09:47	06/23/25 13:17	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/23/25 09:47	06/23/25 13:17	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/23/25 09:47	06/23/25 13:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*	*06/23/25 09:47*	*06/23/25 13:17*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*06/23/25 09:47*	*06/23/25 13:17*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			06/23/25 13:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			06/23/25 20:15	1

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit #044H

Job ID: 890-8321-1
SDG: Eddy County, NM

Client Sample ID: HA-12A

Lab Sample ID: 890-8321-3
Matrix: Solid
Date Collected: 06/20/25 12:10
Date Received: 06/20/25 15:22
Sample Depth: 4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		06/23/25 10:21	06/23/25 20:15	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		06/23/25 10:21	06/23/25 20:15	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		06/23/25 10:21	06/23/25 20:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*131*	*S1+*	*70 - 130*	*06/23/25 10:21*	*06/23/25 20:15*	*1*
o-Terphenyl	*147*	*S1+*	*70 - 130*	*06/23/25 10:21*	*06/23/25 20:15*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**959**		9.98		mg/Kg			06/25/25 03:44	1

Surrogate Summary

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit #044H

Job ID: 890-8321-1
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)								
890-8321-1	HA-12	106	101								
890-8321-1 MS	HA-12	89	87								
890-8321-1 MSD	HA-12	95	93								
890-8321-2	HA-12A	109	99								
890-8321-3	HA-12A	104	102								
LCS 880-112746/1-A	Lab Control Sample	95	93								
LCSD 880-112746/2-A	Lab Control Sample Dup	91	89								
MB 880-112746/5-A	Method Blank	97	94								

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)									
		1CO1	OTPH1								
Lab Sample ID	Client Sample ID	(70-130)	(70-130)								
890-8321-1	HA-12	133 S1+	147 S1+								
890-8321-2	HA-12A	131 S1+	144 S1+								
890-8321-3	HA-12A	131 S1+	147 S1+								
LCS 880-112770/2-A	Lab Control Sample	79	84								
LCSD 880-112770/3-A	Lab Control Sample Dup	92	94								
MB 880-112770/1-A	Method Blank	73	81								

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit #044H

Job ID: 890-8321-1
SDG: Eddy County, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-112746/5-A
Matrix: Solid
Analysis Batch: 112726

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 112746

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/23/25 09:47	06/23/25 12:14	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/23/25 09:47	06/23/25 12:14	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/23/25 09:47	06/23/25 12:14	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/23/25 09:47	06/23/25 12:14	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/23/25 09:47	06/23/25 12:14	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/23/25 09:47	06/23/25 12:14	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*	*06/23/25 09:47*	*06/23/25 12:14*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*06/23/25 09:47*	*06/23/25 12:14*	*1*

Lab Sample ID: LCS 880-112746/1-A
Matrix: Solid
Analysis Batch: 112726

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 112746

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.1071		mg/Kg		107	70 - 130		
Toluene			0.100	0.1020		mg/Kg		102	70 - 130		
Ethylbenzene			0.100	0.1050		mg/Kg		105	70 - 130		
m-Xylene & p-Xylene			0.200	0.2145		mg/Kg		107	70 - 130		
o-Xylene			0.100	0.1075		mg/Kg		108	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*

Lab Sample ID: LCSD 880-112746/2-A
Matrix: Solid
Analysis Batch: 112726

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 112746

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.1057		mg/Kg		106	70 - 130	1	35
Toluene			0.100	0.1008		mg/Kg		101	70 - 130	1	35
Ethylbenzene			0.100	0.1042		mg/Kg		104	70 - 130	1	35
m-Xylene & p-Xylene			0.200	0.2109		mg/Kg		105	70 - 130	2	35
o-Xylene			0.100	0.1060		mg/Kg		106	70 - 130	1	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*91*		*70 - 130*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*

Lab Sample ID: 890-8321-1 MS
Matrix: Solid
Analysis Batch: 112726

Client Sample ID: HA-12
Prep Type: Total/NA
Prep Batch: 112746

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00200	U	0.100	0.09756		mg/Kg		98	70 - 130		
Toluene	<0.00200	U	0.100	0.09394		mg/Kg		94	70 - 130		

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit #044H

Job ID: 890-8321-1
SDG: Eddy County, NM

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

Lab Sample ID: 890-8321-1 MS
Matrix: Solid
Analysis Batch: 112726

Client Sample ID: HA-12
Prep Type: Total/NA
Prep Batch: 112746

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00200	U	0.100	0.09858		mg/Kg		99	70 - 130
m-Xylene & p-Xylene	<0.00401	U	0.200	0.2028		mg/Kg		101	70 - 130
o-Xylene	<0.00200	U	0.100	0.1017		mg/Kg		102	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*89*		*70 - 130*
1,4-Difluorobenzene (Surr)	*87*		*70 - 130*

Lab Sample ID: 890-8321-1 MSD
Matrix: Solid
Analysis Batch: 112726

Client Sample ID: HA-12
Prep Type: Total/NA
Prep Batch: 112746

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	0.1100		mg/Kg		110	70 - 130	12	35
Toluene	<0.00200	U	0.100	0.1038		mg/Kg		104	70 - 130	10	35
Ethylbenzene	<0.00200	U	0.100	0.1102		mg/Kg		110	70 - 130	11	35
m-Xylene & p-Xylene	<0.00401	U	0.200	0.2271		mg/Kg		114	70 - 130	11	35
o-Xylene	<0.00200	U	0.100	0.1119		mg/Kg		112	70 - 130	10	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*

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

Lab Sample ID: MB 880-112770/1-A
Matrix: Solid
Analysis Batch: 112830

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 112770

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/23/25 10:21	06/23/25 09:29	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/23/25 10:21	06/23/25 09:29	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/23/25 10:21	06/23/25 09:29	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*73*		*70 - 130*	*06/23/25 10:21*	*06/23/25 09:29*	*1*
o-Terphenyl	*81*		*70 - 130*	*06/23/25 10:21*	*06/23/25 09:29*	*1*

Lab Sample ID: LCS 880-112770/2-A
Matrix: Solid
Analysis Batch: 112830

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 112770

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1040		mg/Kg		104	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1212		mg/Kg		121	70 - 130

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QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit #044H

Job ID: 890-8321-1
SDG: Eddy County, NM

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

Lab Sample ID: LCS 880-112770/2-A
Matrix: Solid
Analysis Batch: 112830

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 112770

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	79		70 - 130
o-Terphenyl	84		70 - 130

Lab Sample ID: LCSD 880-112770/3-A
Matrix: Solid
Analysis Batch: 112830

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 112770

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1025		mg/Kg		103	70 - 130	1	20
Diesel Range Organics (Over C10-C28)			1000	1092		mg/Kg		109	70 - 130	10	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	92		70 - 130
o-Terphenyl	94		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-112861/1-A
Matrix: Solid
Analysis Batch: 112921

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			06/25/25 01:23	1

Lab Sample ID: LCS 880-112861/2-A
Matrix: Solid
Analysis Batch: 112921

Client Sample ID: Lab Control Sample
Prep Type: Soluble

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

Lab Sample ID: LCSD 880-112861/3-A
Matrix: Solid
Analysis Batch: 112921

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	253.8		mg/Kg		102	90 - 110	0	20

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit #044H

Job ID: 890-8321-1
SDG: Eddy County, NM

GC VOA

Analysis Batch: 112726

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8321-1	HA-12	Total/NA	Solid	8021B	112746
890-8321-2	HA-12A	Total/NA	Solid	8021B	112746
890-8321-3	HA-12A	Total/NA	Solid	8021B	112746
MB 880-112746/5-A	Method Blank	Total/NA	Solid	8021B	112746
LCS 880-112746/1-A	Lab Control Sample	Total/NA	Solid	8021B	112746
LCSD 880-112746/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	112746
890-8321-1 MS	HA-12	Total/NA	Solid	8021B	112746
890-8321-1 MSD	HA-12	Total/NA	Solid	8021B	112746

Prep Batch: 112746

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8321-1	HA-12	Total/NA	Solid	5035	
890-8321-2	HA-12A	Total/NA	Solid	5035	
890-8321-3	HA-12A	Total/NA	Solid	5035	
MB 880-112746/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-112746/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-112746/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-8321-1 MS	HA-12	Total/NA	Solid	5035	
890-8321-1 MSD	HA-12	Total/NA	Solid	5035	

Analysis Batch: 112815

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8321-1	HA-12	Total/NA	Solid	Total BTEX	
890-8321-2	HA-12A	Total/NA	Solid	Total BTEX	
890-8321-3	HA-12A	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 112770

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8321-1	HA-12	Total/NA	Solid	8015NM Prep	
890-8321-2	HA-12A	Total/NA	Solid	8015NM Prep	
890-8321-3	HA-12A	Total/NA	Solid	8015NM Prep	
MB 880-112770/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-112770/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-112770/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 112830

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8321-1	HA-12	Total/NA	Solid	8015B NM	112770
890-8321-2	HA-12A	Total/NA	Solid	8015B NM	112770
890-8321-3	HA-12A	Total/NA	Solid	8015B NM	112770
MB 880-112770/1-A	Method Blank	Total/NA	Solid	8015B NM	112770
LCS 880-112770/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	112770
LCSD 880-112770/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	112770

Analysis Batch: 112930

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8321-1	HA-12	Total/NA	Solid	8015 NM	
890-8321-2	HA-12A	Total/NA	Solid	8015 NM	
890-8321-3	HA-12A	Total/NA	Solid	8015 NM	

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit #044H

Job ID: 890-8321-1
SDG: Eddy County, NM

HPLC/IC

Leach Batch: 112861

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8321-1	HA-12	Soluble	Solid	DI Leach	
890-8321-2	HA-12A	Soluble	Solid	DI Leach	
890-8321-3	HA-12A	Soluble	Solid	DI Leach	
MB 880-112861/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-112861/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-112861/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Analysis Batch: 112921

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8321-1	HA-12	Soluble	Solid	300.0	112861
890-8321-2	HA-12A	Soluble	Solid	300.0	112861
890-8321-3	HA-12A	Soluble	Solid	300.0	112861
MB 880-112861/1-A	Method Blank	Soluble	Solid	300.0	112861
LCS 880-112861/2-A	Lab Control Sample	Soluble	Solid	300.0	112861
LCSD 880-112861/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	112861

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit #044H

Job ID: 890-8321-1
SDG: Eddy County, NM

Client Sample ID: HA-12

Date Collected: 06/20/25 12:00
Date Received: 06/20/25 15:22

Lab Sample ID: 890-8321-1
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			4.99 g	5 mL	112746	06/23/25 09:47	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	112726	06/23/25 12:36	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			112815	06/23/25 12:36	SA	EET MID
Total/NA	Analysis	8015 NM		1			112930	06/23/25 19:46	SA	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10 mL	112770	06/23/25 10:21	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	112830	06/23/25 19:46	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	112861	06/24/25 09:29	SI	EET MID
Soluble	Analysis	300.0		1			112921	06/25/25 03:21	CS	EET MID

Client Sample ID: HA-12A

Date Collected: 06/20/25 12:05
Date Received: 06/20/25 15:22

Lab Sample ID: 890-8321-2
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	112746	06/23/25 09:47	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	112726	06/23/25 12:56	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			112815	06/23/25 12:56	SA	EET MID
Total/NA	Analysis	8015 NM		1			112930	06/23/25 20:00	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	112770	06/23/25 10:21	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	112830	06/23/25 20:00	TKC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	112861	06/24/25 09:29	SI	EET MID
Soluble	Analysis	300.0		1			112921	06/25/25 03:38	CS	EET MID

Client Sample ID: HA-12A

Date Collected: 06/20/25 12:10
Date Received: 06/20/25 15:22

Lab Sample ID: 890-8321-3
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			5.02 g	5 mL	112746	06/23/25 09:47	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	112726	06/23/25 13:17	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			112815	06/23/25 13:17	SA	EET MID
Total/NA	Analysis	8015 NM		1			112930	06/23/25 20:15	SA	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10 mL	112770	06/23/25 10:21	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	112830	06/23/25 20:15	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	112861	06/24/25 09:29	SI	EET MID
Soluble	Analysis	300.0		1			112921	06/25/25 03:44	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: 890-8321-1
Project/Site: Ross Draw Unit #044H
SDG: Eddy County, NM

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-25

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

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

Method Summary

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit #044H

Job ID: 890-8321-1
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: Ross Draw Unit #044H

Job ID: 890-8321-1
SDG: Eddy County, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-8321-1	HA-12	Solid	06/20/25 12:00	06/20/25 15:22	0.5
890-8321-2	HA-12A	Solid	06/20/25 12:05	06/20/25 15:22	2
890-8321-3	HA-12A	Solid	06/20/25 12:10	06/20/25 15:22	4

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eurofins | Environment Testing Xenco

Chain of Custody

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

890-8321 Chain of Custody

6/25/2025

Work Order No: _____

www.xenco.com Page 1 of 1

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

Work Order Comments

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

Project Name:	ROSS DRAW UNIT #044H	Turn Around	
Project Number:	155	☑ 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 #:	21547716		

SAMPLE RECEIPT				
Temp Blank:	Yes No	Wet Ice:	Yes No	
Samples Received Intact:	Yes No	Thermometer ID:	TAM007	
Cooler Custody Seals:	Yes No N/A	Correction Factor:	-0.2	
Sample Custody Seals:	Yes No N/A	Temperature Reading:	0.4	
Total Containers:		Corrected Temperature:	0.2	

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 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-12A	S	6.20.25	12:00	0.5	Grab/	1	X	X	X			Incident Number
HA-12A	S	6.20.25	12:05	2	Grab/	1	X	X	X			nAPP2508325453
HA-12A	S	6.20.25	12:10	4	Grab/	1	X	X	X			

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag 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	Burns	6/20 15 22	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

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Received by OCD: 5/18/2026 12:12:15 PM

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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

890-8321 Chain of Custody

Work Order No: _____

6/25/2025

www.xenco.com Page 1 of 1

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

Work Order Comments

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

Project Name:	ROSS DRAW UNIT #044H	Turn Around	
Project Number:	155	☑ 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 #:	21547716		

SAMPLE RECEIPT				
Temp Blank:	Yes No	Wet Ice:	Yes No	
Samples Received Intact:	Yes No	Thermometer ID:	TM007	
Cooler Custody Seals:	Yes No N/A	Correction Factor:	-0.2	
Sample Custody Seals:	Yes No N/A	Temperature Reading:	0.4	
Total Containers:		Corrected Temperature:	0.2	

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 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-12A	S	6.20.25	12:00	0.5	Grab/	1	X	X	X			Incident Number
HA-12A	S	6.20.25	12:05	2	Grab/	1	X	X	X			nAPP2508325453
HA-12A	S	6.20.25	12:10	4	Grab/	1	X	X	X			

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

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
0	Burns	6/20 15:22	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

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Received by OCD: 5/18/2026 12:12:15 PM

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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

890-8321 Chain of Custody

Work Order No: _____

www.xenco.com Page 1 of 1

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

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:	ROSS DRAW UNIT #044H	Turn Around	☑ Routine ☐ Rush
Project Number:	155	Due Date:	Routine TAT
Project Location:	Eddy County, NM	TAT starts the day received by the lab, if received by 4:30pm	
Sampler's Name:	Santiago Giron		
CC/WO #:	21547716		

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:	0.4
Total Containers:		Corrected Temperature:	0.2

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	Pres. Code	TPH -NM	Chloride-NM	BTEX-NM	Hold	24 Hr Rush	Sample Comments
HA-12A	S	6.20.25	12:00	0.5	Grab/	1		X	X	X			Incident Number
HA-12A	S	6.20.25	12:05	2	Grab/	1		X	X	X			nAPP2508325453
HA-12A	S	6.20.25	12:10	4	Grab/	1		X	X	X			

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO_2 Na Sr Tl Sn U V Zn

Circle Method(s) and Metal(s) to be analyzed

Hg: 1631 / 245.1 / 7470 / 7471

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
0		6/20 15	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

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Received by OCD: 5/18/2026 12:12:15 PM

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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

890-8321 Chain of Custody

Work Order No: _____

www.xenco.com Page 1 of 1

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

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:	ROSS DRAW UNIT #044H	Turn Around	☑ Routine ☐ Rush
Project Number:	155	Due Date:	Routine TAT
Project Location:	Eddy County, NM	TAT starts the day received by the lab, if received by 4:30pm	
Sampler's Name:	Santiago Giron		
CC/WO #:	21547716		

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:	0.4
Total Containers:		Corrected Temperature:	0.2

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-12A	S	6.20.25	12:00	0.5	Grab/	1	X	X	X			Incident Number
HA-12A	S	6.20.25	12:05	2	Grab/	1	X	X	X			nAPP2508325453
HA-12A	S	6.20.25	12:10	4	Grab/	1	X	X	X			

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag 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		6/20 15	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

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Teel, Brianna	Carrier Tracking No(s): N/A	COC No: 890-5288.1
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 #: 890-8321-1
Address: 1211 W. Florida Ave, ,	Due Date Requested: 6/26/2025			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: ROSS DRAW UNIT #044H	Project #: 88001228			
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)	Total_BTEX_GCV	8021B/5035FP_CalcBTEX	300_ORGFM_28D/DI_LEACHChloride	8015MOD_Calc	8015MOD_NM/8015NM_S_Prep8015 NM	Total Number of containers	Special Instructions/Note:
			Preservation Code:										
HA-12 (890-8321-1)	6/20/25	12:00 Mountain	G	Solid			X	X	X	X	X	1	
HA-12A (890-8321-2)	6/20/25	12:05 Mountain	G	Solid			X	X	X	X	X	1	
HA-12A (890-8321-3)	6/20/25	12:10 Mountain	G	Solid			X	X	X	X	X	1	

Analysis Requested

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
1		16:18 6/20				
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 6/21/25 08:00	Company
3	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°C/4.1°C IR-8 (0.1)

Ver: 10/10/2024

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

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Teel, Brianna	Carrier Tracking No(s): N/A	COC No: 890-5288.1
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 #: 890-8321-1
Address: 1211 W. Florida Ave, ,	Due Date Requested: 6/26/2025			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: ROSS DRAW UNIT #044H	Project #: 88001228			
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)	Total_BTEX_GCV	8021B/5035FP_CalcBTEX	300_ORGFM_28D/DI_LEACHChloride	8015MOD_Calc	8015MOD_NM/8015NM_S_Prep8015 NM	Total Number of containers	Special Instructions/Note:
			Preservation Code:										
HA-12 (890-8321-1)	6/20/25	12:00 Mountain	G	Solid			X	X	X	X	X	1	
HA-12A (890-8321-2)	6/20/25	12:05 Mountain	G	Solid			X	X	X	X	X	1	
HA-12A (890-8321-3)	6/20/25	12:10 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:	Date/Time: 6/21/25 08:00	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°C/4.1°C IR-8 (0.1)

Ver: 10/10/2024

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Received by OCD: 5/18/2026 12:12:15 PM
Released to Imaging: 6/3/2026 2:28:14 PM

Login Sample Receipt Checklist

Client: Earth Systems Response and Restoration

Job Number: 890-8321-1
SDG Number: Eddy County, NM

Login Number: 8321
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: 890-8321-1
SDG Number: Eddy County, NM

Login Number: 8321
List Number: 2
Creator: Rios, Minerva

List Source: Eurofins Midland
List Creation: 06/23/25 11:21 AM

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

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 10/8/2025 9:33:20 AM

JOB DESCRIPTION

Ross Draw Unit #044H
Eddy County, NM

JOB NUMBER

890-8900-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

Released to Imaging: 6/3/2026 2:28:14 PM

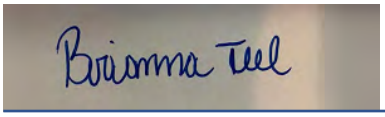
Eurofins Carlsbad

Job Notes

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

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

Authorization



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Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit #044H

Laboratory Job ID: 890-8900-1
SDG: Eddy County, NM

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Definitions/Glossary

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit #044H

Job ID: 890-8900-1
SDG: Eddy County, NM

Qualifiers

GC VOA

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

GC Semi VOA

Qualifier	Qualifier Description
S1-	Surrogate recovery exceeds control limits, 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: 890-8900-1
Project: Ross Draw Unit #044H

Job ID: 890-8900-1 — Eurofins Carlsbad

Job Narrative
890-8900-1

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 10/1/2025 4:25 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was -12.2°C.

Receipt Exceptions
The following samples were received and analyzed from an unpreserved bulk soil jar: HA-3 (890-8900-1), HA-3 (890-8900-2), HA-5 (890-8900-3), HA-5 (890-8900-4), HA-5 (890-8900-5), HA-12 (890-8900-6), HA-12 (890-8900-7), HA-12A (890-8900-8) and HA-12A (890-8900-9).

GC VOA
Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-120458 and analytical batch 880-120607 was outside the upper control limits.

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

Diesel Range Organics
Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: HA-5 (890-8900-3). Evidence of matrix interferences is not obvious.

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

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

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit #044H

Job ID: 890-8900-1
SDG: Eddy County, NM

Client Sample ID: HA-3

Lab Sample ID: 890-8900-1
Matrix: Solid
Date Collected: 10/01/25 09:00
Date Received: 10/01/25 16:25
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		10/03/25 11:53	10/08/25 00:18	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/03/25 11:53	10/08/25 00:18	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/03/25 11:53	10/08/25 00:18	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		10/03/25 11:53	10/08/25 00:18	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/03/25 11:53	10/08/25 00:18	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		10/03/25 11:53	10/08/25 00:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*84*		*70 - 130*	*10/03/25 11:53*	*10/08/25 00:18*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*10/03/25 11:53*	*10/08/25 00:18*	*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			10/08/25 00:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/07/25 04:49	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		10/03/25 08:13	10/07/25 04:49	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/03/25 08:13	10/07/25 04:49	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/03/25 08:13	10/07/25 04:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*74*		*70 - 130*	*10/03/25 08:13*	*10/07/25 04:49*	*1*
o-Terphenyl	*82*		*70 - 130*	*10/03/25 08:13*	*10/07/25 04:49*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**493**		10.1		mg/Kg			10/06/25 15:40	1

Client Sample ID: HA-5

Lab Sample ID: 890-8900-3
Matrix: Solid
Date Collected: 10/01/25 09:20
Date Received: 10/01/25 16:25
Sample Depth: 6

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		10/03/25 11:53	10/08/25 00:58	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/03/25 11:53	10/08/25 00:58	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/03/25 11:53	10/08/25 00:58	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/03/25 11:53	10/08/25 00:58	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/03/25 11:53	10/08/25 00:58	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/03/25 11:53	10/08/25 00:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*123*		*70 - 130*	*10/03/25 11:53*	*10/08/25 00:58*	*1*

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit #044H

Job ID: 890-8900-1
SDG: Eddy County, NM

Client Sample ID: HA-5

Lab Sample ID: 890-8900-3
Matrix: Solid
Date Collected: 10/01/25 09:20
Date Received: 10/01/25 16:25
Sample Depth: 6

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*	*10/03/25 11:53*	*10/08/25 00:58*	*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			10/08/25 00:58	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			10/07/25 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	<50.0	U	50.0		mg/Kg		10/03/25 08:13	10/07/25 05:04	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/03/25 08:13	10/07/25 05:04	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/03/25 08:13	10/07/25 05:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*64*	*S1-*	*70 - 130*	*10/03/25 08:13*	*10/07/25 05:04*	*1*
o-Terphenyl	*74*		*70 - 130*	*10/03/25 08:13*	*10/07/25 05:04*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1280**		9.96		mg/Kg			10/06/25 15:46	1

Client Sample ID: HA-5

Lab Sample ID: 890-8900-4
Matrix: Solid
Date Collected: 10/01/25 09:25
Date Received: 10/01/25 16:25
Sample Depth: 8

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		10/03/25 11:53	10/08/25 01:19	1
Toluene	<0.00198	U	0.00198		mg/Kg		10/03/25 11:53	10/08/25 01:19	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		10/03/25 11:53	10/08/25 01:19	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		10/03/25 11:53	10/08/25 01:19	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		10/03/25 11:53	10/08/25 01:19	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		10/03/25 11:53	10/08/25 01:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*	*10/03/25 11:53*	*10/08/25 01:19*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*10/03/25 11:53*	*10/08/25 01:19*	*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			10/08/25 01:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			10/07/25 05:17	1

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit #044H

Job ID: 890-8900-1
SDG: Eddy County, NM

Client Sample ID: HA-5

Lab Sample ID: 890-8900-4
Matrix: Solid
Date Collected: 10/01/25 09:25
Date Received: 10/01/25 16:25
Sample Depth: 8

Method: SW846 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		10/03/25 08:13	10/07/25 05:17	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		10/03/25 08:13	10/07/25 05:17	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/03/25 08:13	10/07/25 05:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*72*		*70 - 130*	*10/03/25 08:13*	*10/07/25 05:17*	*1*
o-Terphenyl	*82*		*70 - 130*	*10/03/25 08:13*	*10/07/25 05:17*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2000**		101		mg/Kg			10/06/25 15:52	10

Client Sample ID: HA-5

Lab Sample ID: 890-8900-5
Matrix: Solid
Date Collected: 10/01/25 09:30
Date Received: 10/01/25 16:25
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		10/03/25 11:53	10/08/25 01:39	1
Toluene	<0.00201	U	0.00201		mg/Kg		10/03/25 11:53	10/08/25 01:39	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		10/03/25 11:53	10/08/25 01:39	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		10/03/25 11:53	10/08/25 01:39	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		10/03/25 11:53	10/08/25 01:39	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		10/03/25 11:53	10/08/25 01:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*	*10/03/25 11:53*	*10/08/25 01:39*	*1*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*	*10/03/25 11:53*	*10/08/25 01:39*	*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			10/08/25 01:39	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			10/07/25 05:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		10/03/25 08:13	10/07/25 05:32	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/03/25 08:13	10/07/25 05:32	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/03/25 08:13	10/07/25 05:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*71*		*70 - 130*	*10/03/25 08:13*	*10/07/25 05:32*	*1*
o-Terphenyl	*80*		*70 - 130*	*10/03/25 08:13*	*10/07/25 05:32*	*1*

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit #044H

Job ID: 890-8900-1
SDG: Eddy County, NM

Client Sample ID: HA-5

Lab Sample ID: 890-8900-5
Matrix: Solid
Date Collected: 10/01/25 09:30
Date Received: 10/01/25 16:25
Sample Depth: 10

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	363		10.0		mg/Kg			10/06/25 15:58	1

Client Sample ID: HA-12

Lab Sample ID: 890-8900-6
Matrix: Solid
Date Collected: 10/01/25 09:50
Date Received: 10/01/25 16:25
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		10/03/25 11:53	10/08/25 02:00	1
Toluene	<0.00201	U	0.00201		mg/Kg		10/03/25 11:53	10/08/25 02:00	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		10/03/25 11:53	10/08/25 02:00	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		10/03/25 11:53	10/08/25 02:00	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		10/03/25 11:53	10/08/25 02:00	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		10/03/25 11:53	10/08/25 02:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*124*		*70 - 130*	*10/03/25 11:53*	*10/08/25 02:00*	*1*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*	*10/03/25 11:53*	*10/08/25 02:00*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			10/08/25 02:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/07/25 05:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/03/25 08:13	10/07/25 05:46	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/03/25 08:13	10/07/25 05:46	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/03/25 08:13	10/07/25 05:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*73*		*70 - 130*	*10/03/25 08:13*	*10/07/25 05:46*	*1*
o-Terphenyl	*82*		*70 - 130*	*10/03/25 08:13*	*10/07/25 05:46*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	132		10.1		mg/Kg			10/06/25 16:04	1

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit #044H

Job ID: 890-8900-1
SDG: Eddy County, NM

Client Sample ID: HA-12A

Date Collected: 10/01/25 10:00
Date Received: 10/01/25 16:25
Sample Depth: 6

Lab Sample ID: 890-8900-8

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		10/03/25 11:53	10/08/25 02:20	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/03/25 11:53	10/08/25 02:20	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/03/25 11:53	10/08/25 02:20	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/03/25 11:53	10/08/25 02:20	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/03/25 11:53	10/08/25 02:20	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/03/25 11:53	10/08/25 02:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*133*	*S1+*	*70 - 130*	*10/03/25 11:53*	*10/08/25 02:20*	*1*
1,4-Difluorobenzene (Surr)	*109*		*70 - 130*	*10/03/25 11:53*	*10/08/25 02:20*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/08/25 02:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/07/25 06:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		10/03/25 08:13	10/07/25 06:00	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/03/25 08:13	10/07/25 06:00	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/03/25 08:13	10/07/25 06:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*75*		*70 - 130*	*10/03/25 08:13*	*10/07/25 06:00*	*1*
o-Terphenyl	*87*		*70 - 130*	*10/03/25 08:13*	*10/07/25 06:00*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**99.1**		10.1		mg/Kg			10/06/25 16:10	1

Surrogate Summary

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit #044H

Job ID: 890-8900-1
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)
890-8900-1	HA-3	84	93
890-8900-1 MS	HA-3	97	86
890-8900-1 MSD	HA-3	99	88
890-8900-3	HA-5	123	106
890-8900-4	HA-5	112	99
890-8900-5	HA-5	111	104
890-8900-6	HA-12	124	107
890-8900-8	HA-12A	133 S1+	109
LCS 880-120458/1-A	Lab Control Sample	98	93
LCSD 880-120458/2-A	Lab Control Sample Dup	93	93
MB 880-120458/5-A	Method Blank	160 S1+	89
MB 880-120601/5-A	Method Blank	166 S1+	97

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)
890-8900-1	HA-3	74	82
890-8900-3	HA-5	64 S1-	74
890-8900-4	HA-5	72	82
890-8900-5	HA-5	71	80
890-8900-6	HA-12	73	82
890-8900-8	HA-12A	75	87
LCS 880-120398/2-A	Lab Control Sample	111	115
LCSD 880-120398/3-A	Lab Control Sample Dup	114	116
MB 880-120398/1-A	Method Blank	95	103

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit #044H

Job ID: 890-8900-1
SDG: Eddy County, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-120458/5-A
Matrix: Solid
Analysis Batch: 120607

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 120458

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/03/25 11:53	10/07/25 23:49	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/03/25 11:53	10/07/25 23:49	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/03/25 11:53	10/07/25 23:49	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/03/25 11:53	10/07/25 23:49	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/03/25 11:53	10/07/25 23:49	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/03/25 11:53	10/07/25 23:49	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*160*	*S1+*	*70 - 130*	*10/03/25 11:53*	*10/07/25 23:49*	*1*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*	*10/03/25 11:53*	*10/07/25 23:49*	*1*

Lab Sample ID: LCS 880-120458/1-A
Matrix: Solid
Analysis Batch: 120607

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 120458

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.09025		mg/Kg		90	70 - 130		
Toluene			0.100	0.09182		mg/Kg		92	70 - 130		
Ethylbenzene			0.100	0.08375		mg/Kg		84	70 - 130		
m-Xylene & p-Xylene			0.200	0.1577		mg/Kg		79	70 - 130		
o-Xylene			0.100	0.08057		mg/Kg		81	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*

Lab Sample ID: LCSD 880-120458/2-A
Matrix: Solid
Analysis Batch: 120607

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 120458

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.09583		mg/Kg		96	70 - 130	6	35
Toluene			0.100	0.09093		mg/Kg		91	70 - 130	1	35
Ethylbenzene			0.100	0.09262		mg/Kg		93	70 - 130	10	35
m-Xylene & p-Xylene			0.200	0.1771		mg/Kg		89	70 - 130	12	35
o-Xylene			0.100	0.08264		mg/Kg		83	70 - 130	3	35

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

Lab Sample ID: 890-8900-1 MS
Matrix: Solid
Analysis Batch: 120607

Client Sample ID: HA-3
Prep Type: Total/NA
Prep Batch: 120458

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00200	U	0.100	0.08377		mg/Kg		84	70 - 130		
Toluene	<0.00200	U	0.100	0.08185		mg/Kg		82	70 - 130		

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit #044H

Job ID: 890-8900-1
SDG: Eddy County, NM

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

Lab Sample ID: 890-8900-1 MS
Matrix: Solid
Analysis Batch: 120607

Client Sample ID: HA-3
Prep Type: Total/NA
Prep Batch: 120458

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00200	U	0.100	0.08721		mg/Kg		87	70 - 130
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1618		mg/Kg		81	70 - 130
o-Xylene	<0.00200	U	0.100	0.07404		mg/Kg		74	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*
1,4-Difluorobenzene (Surr)	*86*		*70 - 130*

Lab Sample ID: 890-8900-1 MSD
Matrix: Solid
Analysis Batch: 120607

Client Sample ID: HA-3
Prep Type: Total/NA
Prep Batch: 120458

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	0.07748		mg/Kg		77	70 - 130	8	35
Toluene	<0.00200	U	0.100	0.07594		mg/Kg		76	70 - 130	7	35
Ethylbenzene	<0.00200	U	0.100	0.07356		mg/Kg		74	70 - 130	17	35
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1613		mg/Kg		81	70 - 130	0	35
o-Xylene	<0.00200	U	0.100	0.07655		mg/Kg		77	70 - 130	3	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*
1,4-Difluorobenzene (Surr)	*88*		*70 - 130*

Lab Sample ID: MB 880-120601/5-A
Matrix: Solid
Analysis Batch: 120607

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 120601

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/07/25 08:16	10/07/25 12:11	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/07/25 08:16	10/07/25 12:11	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/07/25 08:16	10/07/25 12:11	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/07/25 08:16	10/07/25 12:11	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/07/25 08:16	10/07/25 12:11	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/07/25 08:16	10/07/25 12:11	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*166*	*S1+*	*70 - 130*	*10/07/25 08:16*	*10/07/25 12:11*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*10/07/25 08:16*	*10/07/25 12:11*	*1*

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

Lab Sample ID: MB 880-120398/1-A
Matrix: Solid
Analysis Batch: 120533

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 120398

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		10/03/25 08:12	10/07/25 03:08	1

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit #044H

Job ID: 890-8900-1
SDG: Eddy County, NM

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

Lab Sample ID: MB 880-120398/1-A
Matrix: Solid
Analysis Batch: 120533

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 120398

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		10/03/25 08:12	10/07/25 03:08	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/03/25 08:12	10/07/25 03:08	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/03/25 08:12	10/07/25 03:08	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*95*		*70 - 130*	*10/03/25 08:12*	*10/07/25 03:08*	*1*
o-Terphenyl	*103*		*70 - 130*	*10/03/25 08:12*	*10/07/25 03:08*	*1*

Lab Sample ID: LCS 880-120398/2-A
Matrix: Solid
Analysis Batch: 120533

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 120398

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	921.8		mg/Kg		92	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1063		mg/Kg		106	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*111*		*70 - 130*
o-Terphenyl	*115*		*70 - 130*

Lab Sample ID: LCSD 880-120398/3-A
Matrix: Solid
Analysis Batch: 120533

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 120398

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	949.6		mg/Kg		95	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	1000	1009		mg/Kg		101	70 - 130	5	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*114*		*70 - 130*
o-Terphenyl	*116*		*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-120505/1-A
Matrix: Solid
Analysis Batch: 120546

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			10/06/25 14:30	1

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit #044H

Job ID: 890-8900-1
SDG: Eddy County, NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-120505/2-A
Matrix: Solid
Analysis Batch: 120546

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	253.8		mg/Kg		102	90 - 110		

Lab Sample ID: LCSD 880-120505/3-A
Matrix: Solid
Analysis Batch: 120546

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	254.4		mg/Kg		102	90 - 110	0	20

Lab Sample ID: 890-8900-8 MS
Matrix: Solid
Analysis Batch: 120546

Client Sample ID: HA-12A
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	99.1		252	356.3		mg/Kg		102	90 - 110		

Lab Sample ID: 890-8900-8 MSD
Matrix: Solid
Analysis Batch: 120546

Client Sample ID: HA-12A
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	99.1		252	361.3		mg/Kg		104	90 - 110	1	20

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit #044H

Job ID: 890-8900-1
SDG: Eddy County, NM

GC VOA

Prep Batch: 120458

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8900-1	HA-3	Total/NA	Solid	5035	
890-8900-3	HA-5	Total/NA	Solid	5035	
890-8900-4	HA-5	Total/NA	Solid	5035	
890-8900-5	HA-5	Total/NA	Solid	5035	
890-8900-6	HA-12	Total/NA	Solid	5035	
890-8900-8	HA-12A	Total/NA	Solid	5035	
MB 880-120458/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-120458/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-120458/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-8900-1 MS	HA-3	Total/NA	Solid	5035	
890-8900-1 MSD	HA-3	Total/NA	Solid	5035	

Prep Batch: 120601

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-120601/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 120607

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8900-1	HA-3	Total/NA	Solid	8021B	120458
890-8900-3	HA-5	Total/NA	Solid	8021B	120458
890-8900-4	HA-5	Total/NA	Solid	8021B	120458
890-8900-5	HA-5	Total/NA	Solid	8021B	120458
890-8900-6	HA-12	Total/NA	Solid	8021B	120458
890-8900-8	HA-12A	Total/NA	Solid	8021B	120458
MB 880-120458/5-A	Method Blank	Total/NA	Solid	8021B	120458
MB 880-120601/5-A	Method Blank	Total/NA	Solid	8021B	120601
LCS 880-120458/1-A	Lab Control Sample	Total/NA	Solid	8021B	120458
LCSD 880-120458/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	120458
890-8900-1 MS	HA-3	Total/NA	Solid	8021B	120458
890-8900-1 MSD	HA-3	Total/NA	Solid	8021B	120458

Analysis Batch: 120726

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8900-1	HA-3	Total/NA	Solid	Total BTEX	
890-8900-3	HA-5	Total/NA	Solid	Total BTEX	
890-8900-4	HA-5	Total/NA	Solid	Total BTEX	
890-8900-5	HA-5	Total/NA	Solid	Total BTEX	
890-8900-6	HA-12	Total/NA	Solid	Total BTEX	
890-8900-8	HA-12A	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 120398

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8900-1	HA-3	Total/NA	Solid	8015NM Prep	
890-8900-3	HA-5	Total/NA	Solid	8015NM Prep	
890-8900-4	HA-5	Total/NA	Solid	8015NM Prep	
890-8900-5	HA-5	Total/NA	Solid	8015NM Prep	
890-8900-6	HA-12	Total/NA	Solid	8015NM Prep	
890-8900-8	HA-12A	Total/NA	Solid	8015NM Prep	
MB 880-120398/1-A	Method Blank	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit #044H

Job ID: 890-8900-1
SDG: Eddy County, NM

GC Semi VOA (Continued)

Prep Batch: 120398 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-120398/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-120398/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 120533

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8900-1	HA-3	Total/NA	Solid	8015B NM	120398
890-8900-3	HA-5	Total/NA	Solid	8015B NM	120398
890-8900-4	HA-5	Total/NA	Solid	8015B NM	120398
890-8900-5	HA-5	Total/NA	Solid	8015B NM	120398
890-8900-6	HA-12	Total/NA	Solid	8015B NM	120398
890-8900-8	HA-12A	Total/NA	Solid	8015B NM	120398
MB 880-120398/1-A	Method Blank	Total/NA	Solid	8015B NM	120398
LCS 880-120398/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	120398
LCSD 880-120398/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	120398

Analysis Batch: 120687

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8900-1	HA-3	Total/NA	Solid	8015 NM	
890-8900-3	HA-5	Total/NA	Solid	8015 NM	
890-8900-4	HA-5	Total/NA	Solid	8015 NM	
890-8900-5	HA-5	Total/NA	Solid	8015 NM	
890-8900-6	HA-12	Total/NA	Solid	8015 NM	
890-8900-8	HA-12A	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 120505

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8900-1	HA-3	Soluble	Solid	DI Leach	
890-8900-3	HA-5	Soluble	Solid	DI Leach	
890-8900-4	HA-5	Soluble	Solid	DI Leach	
890-8900-5	HA-5	Soluble	Solid	DI Leach	
890-8900-6	HA-12	Soluble	Solid	DI Leach	
890-8900-8	HA-12A	Soluble	Solid	DI Leach	
MB 880-120505/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-120505/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-120505/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-8900-8 MS	HA-12A	Soluble	Solid	DI Leach	
890-8900-8 MSD	HA-12A	Soluble	Solid	DI Leach	

Analysis Batch: 120546

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8900-1	HA-3	Soluble	Solid	300.0	120505
890-8900-3	HA-5	Soluble	Solid	300.0	120505
890-8900-4	HA-5	Soluble	Solid	300.0	120505
890-8900-5	HA-5	Soluble	Solid	300.0	120505
890-8900-6	HA-12	Soluble	Solid	300.0	120505
890-8900-8	HA-12A	Soluble	Solid	300.0	120505
MB 880-120505/1-A	Method Blank	Soluble	Solid	300.0	120505
LCS 880-120505/2-A	Lab Control Sample	Soluble	Solid	300.0	120505
LCSD 880-120505/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	120505

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit #044H

Job ID: 890-8900-1
SDG: Eddy County, NM

HPLC/IC (Continued)

Analysis Batch: 120546 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8900-8 MS	HA-12A	Soluble	Solid	300.0	120505
890-8900-8 MSD	HA-12A	Soluble	Solid	300.0	120505

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit #044H

Job ID: 890-8900-1
SDG: Eddy County, NM

Client Sample ID: HA-3
Date Collected: 10/01/25 09:00
Date Received: 10/01/25 16:25

Lab Sample ID: 890-8900-1
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	120458	10/03/25 11:53	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	120607	10/08/25 00:18	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			120726	10/08/25 00:18	SA	EET MID
Total/NA	Analysis	8015 NM		1			120687	10/07/25 04:49	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	120398	10/03/25 08:13	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	120533	10/07/25 04:49	FC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	120505	10/06/25 08:30	SI	EET MID
Soluble	Analysis	300.0		1			120546	10/06/25 15:40	CS	EET MID

Client Sample ID: HA-5
Date Collected: 10/01/25 09:20
Date Received: 10/01/25 16:25

Lab Sample ID: 890-8900-3
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	120458	10/03/25 11:53	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	120607	10/08/25 00:58	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			120726	10/08/25 00:58	SA	EET MID
Total/NA	Analysis	8015 NM		1			120687	10/07/25 05:04	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	120398	10/03/25 08:13	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	120533	10/07/25 05:04	FC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	120505	10/06/25 08:30	SI	EET MID
Soluble	Analysis	300.0		1			120546	10/06/25 15:46	CS	EET MID

Client Sample ID: HA-5
Date Collected: 10/01/25 09:25
Date Received: 10/01/25 16:25

Lab Sample ID: 890-8900-4
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			5.05 g	5 mL	120458	10/03/25 11:53	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	120607	10/08/25 01:19	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			120726	10/08/25 01:19	SA	EET MID
Total/NA	Analysis	8015 NM		1			120687	10/07/25 05:17	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	120398	10/03/25 08:13	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	120533	10/07/25 05:17	FC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	120505	10/06/25 08:30	SI	EET MID
Soluble	Analysis	300.0		10			120546	10/06/25 15:52	CS	EET MID

Client Sample ID: HA-5
Date Collected: 10/01/25 09:30
Date Received: 10/01/25 16:25

Lab Sample ID: 890-8900-5
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	120458	10/03/25 11:53	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	120607	10/08/25 01:39	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			120726	10/08/25 01:39	SA	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Earth Systems Response and Restoration
Job ID: 890-8900-1
Project/Site: Ross Draw Unit #044H
SDG: Eddy County, NM

Client Sample ID: HA-5
Lab Sample ID: 890-8900-5
Date Collected: 10/01/25 09:30
Matrix: Solid
Date Received: 10/01/25 16:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			120687	10/07/25 05:32	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	120398	10/03/25 08:13	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	120533	10/07/25 05:32	FC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	120505	10/06/25 08:30	SI	EET MID
Soluble	Analysis	300.0		1			120546	10/06/25 15:58	CS	EET MID

Client Sample ID: HA-12
Lab Sample ID: 890-8900-6
Date Collected: 10/01/25 09:50
Matrix: Solid
Date Received: 10/01/25 16:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	120458	10/03/25 11:53	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	120607	10/08/25 02:00	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			120726	10/08/25 02:00	SA	EET MID
Total/NA	Analysis	8015 NM		1			120687	10/07/25 05:46	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	120398	10/03/25 08:13	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	120533	10/07/25 05:46	FC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	120505	10/06/25 08:30	SI	EET MID
Soluble	Analysis	300.0		1			120546	10/06/25 16:04	CS	EET MID

Client Sample ID: HA-12A
Lab Sample ID: 890-8900-8
Date Collected: 10/01/25 10:00
Matrix: Solid
Date Received: 10/01/25 16:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	120458	10/03/25 11:53	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	120607	10/08/25 02:20	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			120726	10/08/25 02:20	SA	EET MID
Total/NA	Analysis	8015 NM		1			120687	10/07/25 06:00	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	120398	10/03/25 08:13	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	120533	10/07/25 06:00	FC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	120505	10/06/25 08:30	SI	EET MID
Soluble	Analysis	300.0		1			120546	10/06/25 16:10	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: 890-8900-1
Project/Site: Ross Draw Unit #044H
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: Ross Draw Unit #044H

Job ID: 890-8900-1
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: Ross Draw Unit #044H

Job ID: 890-8900-1
SDG: Eddy County, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-8900-1	HA-3	Solid	10/01/25 09:00	10/01/25 16:25	6
890-8900-3	HA-5	Solid	10/01/25 09:20	10/01/25 16:25	6
890-8900-4	HA-5	Solid	10/01/25 09:25	10/01/25 16:25	8
890-8900-5	HA-5	Solid	10/01/25 09:30	10/01/25 16:25	10
890-8900-6	HA-12	Solid	10/01/25 09:50	10/01/25 16:25	6
890-8900-8	HA-12A	Solid	10/01/25 10:00	10/01/25 16:25	6

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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

Wo

890-8900 Chain of Custody

10/8/2025

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

Work Order Comments

Program: UST/PST ☐ **PRP** ☐ **Brownfields** ☐ **RRC** ☐ **Superfund** ☐

State of Project:

Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐

Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	ROSS DRAW UNIT #044H	**Turn Around**		Pres. Code	
Project Number:	155	☑ 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 #:	21547716				

SAMPLE RECEIPT	Temp Blank:	Yes No	Wet Ice:	Yes No	
Samples Received Intact:	Yes No		Thermometer ID:	IR#7	
Cooler Custody Seals:	Yes No N/A		Correction Factor:	-0.2	
Sample Custody Seals:	Yes No N/A		Temperature Reading:	-12.4	
Total Containers:			Corrected Temperature:	-12.2	

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-3	S	10.1.25	9:00	6	Grab/	1	X	X	X			Incident Number
HA-3	S	10.1.25	9:05	8	Grab/	1	X	X	X	X		nAPP2508325453
HA-5	S	10.1.25	9:20	6	Grab/	1	X	X	X			
HA-5	S	10.1.25	9:25	8	Grab/	1	X	X	X			
HA-5	S	10.1.25	9:30	10	Grab/	1	X	X	X			
HA-12	S	10.1.25	9:50	6	Grab/	1	X	X	X			
HA-12	S	10.1.25	9:55	8	Grab/	1	X	X	X	X		
HA-12A	S	10.1.25	10:00	6	Grab/	1	X	X	X			
HA-12A	S	10.1.25	10:05	8	Grab/	1	X	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		10/1 16:25	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

Received by OCD: 5/18/2026 12:12:15 PM

Released to Imaging: 6/3/2026 2:28:14 PM

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Received by OCD: 5/18/2026 12:12:15 PM

10/8/2025

Released to Imaging: 6/3/2026 2:28:14 PM

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: 890-5964.1
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 #: 890-8900-1
Address: 1211 W. Florida Ave,	Due Date Requested: 10/7/2025	Analysis Requested		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: Ross Draw Unit #044H	Project #: 88001228			
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)	Total_BTEX_GCV	8021B/8015FP_CalcBTEX	300_ORGFM_28D/DI_LEACHChloride	8015MOD_Calc	8015MOD_NM/8015NM_S_Prep8015 NM	Total Number of containers	Special Instructions/Note:
			Preservation Code:										
HA-3 (890-8900-1)	10/1/25	09:00 Mountain	G	Solid			X	X	X	X	X		
HA-5 (890-8900-3)	10/1/25	09:20 Mountain	G	Solid			X	X	X	X	X		
HA-5 (890-8900-4)	10/1/25	09:25 Mountain	G	Solid			X	X	X	X	X		
HA-5 (890-8900-5)	10/1/25	09:30 Mountain	G	Solid			X	X	X	X	X		
HA-12 (890-8900-6)	10/1/25	09:50 Mountain	G	Solid			X	X	X	X	X		
HA-12A (890-8900-8)	10/1/25	10:00 Mountain	G	Solid			X	X	X	X	X		

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/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: 10/2	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 10/3/25	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: 1.9/1.8 -.1 IR8

Ver: 10/10/2024

Login Sample Receipt Checklist

Client: Earth Systems Response and Restoration

Job Number: 890-8900-1
SDG Number: Eddy County, NM

Login Number: 8900
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: 890-8900-1
SDG Number: Eddy County, NM

Login Number: 8900
List Number: 2
Creator: Laing, Edmundo

List Source: Eurofins Midland
List Creation: 10/03/25 09:52 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	

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

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 542528
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2508325453**
Incident Name	**NAPP2508325453 ROSS DRAW UNIT #044H @ 30-015-41580**
Incident Type	**Oil Release**
Incident Status	**Remediation Plan Received**
Incident Well	**[30-015-41580] ROSS DRAW UNIT #044H**

Location of Release Source	
Please answer all the questions in this group.	
Site Name	ROSS DRAW UNIT #044H
Date Release Discovered	03/20/2025
Surface Owner	Federal

Incident Details	
Please answer all the questions in this group.	
Incident Type	Oil Release
Did this release result in a fire or is the result of a fire	No
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

Nature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.	
Crude Oil Released (bbls) Details	Cause: Equipment Failure | Pump | Crude Oil | Released: 15 BBL | Recovered: 15 BBL | Lost: 0 BBL.
Produced Water Released (bbls) Details	*Not answered.*
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	*Not answered.*
Natural Gas Vented (Mcf) Details	*Not answered.*
Natural Gas Flared (Mcf) Details	*Not answered.*
Other Released Details	*Not answered.*
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	*Not answered.*

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS (continued)

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 542528
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	**No, according to supplied volumes this does not appear to be a "gas only" report.**
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	**No**
Reasons why this would be considered a submission for a notification of a major release	*Unavailable.*
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

Initial Response	
The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.	
The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	Tank overflow due to failure of water transfer pump to operate. Allowed approx. 15 bbls to overflow to lined secondary containment.
Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.	

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

I hereby agree and sign off to the above statement	Name: James Raley Title: EHS Professional Email: jim.raley@dvn.com Date: 01/14/2026

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

QUESTIONS (continued)

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 542528
	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	Attached Document
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between 1000 (ft.) and ½ (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1 and 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1 and 5 (mi.)
Any other fresh water well or spring	Between 1 and 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 1000 (ft.) and ½ (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Between 1000 (ft.) and ½ (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan		
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.		
Requesting a remediation plan approval with this submission		Yes
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)	3200
TPH (GRO+DRO+MRO)	(EPA SW-846 Method 8015M)	0
GRO+DRO	(EPA SW-846 Method 8015M)	0
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		03/01/2026
On what date will (or did) the final sampling or liner inspection occur		03/05/2026
On what date will (or was) the remediation complete(d)		04/01/2026
What is the estimated surface area (in square feet) that will be reclaimed		0
What is the estimated volume (in cubic yards) that will be reclaimed		0
What is the estimated surface area (in square feet) that will be remediated		4097
What is the estimated volume (in cubic yards) that will be remediated		30
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)

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 542528
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

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	fEEM0112334510 HALFWAY DISPOSAL AND LANDFILL
OR which OCD approved well (API) will be used for **off-site** disposal	*Not answered.*
OR is the **off-site** disposal site, to be used, out-of-state	*Not answered.*
OR is the **off-site** disposal site, to be used, an NMED facility	*Not answered.*
(Ex Situ) Excavation and **on-site** remediation (i.e. On-Site Land Farms)	*Not answered.*
(In Situ) Soil Vapor Extraction	*Not answered.*
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	*Not answered.*
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	*Not answered.*
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	*Not answered.*
Ground Water Abatement pursuant to 19.15.30 NMAC	*Not answered.*
OTHER (Non-listed remedial process)	*Not answered.*
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.	
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I hereby agree and sign off to the above statement	Name: James Raley Title: EHS Professional Email: jim.raley@dvn.com Date: 01/14/2026
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)

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 542528
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

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)

Operator:	OGRID:
WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	246289
	Action Number: 542528
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	**475602**
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	**06/20/2025**
What was the (estimated) number of samples that were to be gathered	**30**
What was the sampling surface area in square feet	**6068**

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: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 542528
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

CONDITIONS

Created By	Condition	Condition Date
scott.rodgers	The Remediation Plan is Conditionally Approved. 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 standards for site assessment/characterization/proven depth to water determination. Confirmation samples should be collected every 200 ft2. The work will need to occur in 90 days after the work plan has been reviewed.	1/29/2026

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QUESTIONS

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 584132
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2508325453**
Incident Name	**NAPP2508325453 ROSS DRAW UNIT #044H @ 30-015-41580**
Incident Type	**Oil Release**
Incident Status	**Remediation Closure Report Received**
Incident Well	**[30-015-41580] ROSS DRAW UNIT #044H**

Location of Release Source	
Please answer all the questions in this group.	
Site Name	ROSS DRAW UNIT #044H
Date Release Discovered	03/20/2025
Surface Owner	Federal

Incident Details	
Please answer all the questions in this group.	
Incident Type	Oil Release
Did this release result in a fire or is the result of a fire	No
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

Nature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.	
Crude Oil Released (bbls) Details	Cause: Equipment Failure | Pump | Crude Oil | Released: 15 BBL | Recovered: 15 BBL | Lost: 0 BBL.
Produced Water Released (bbls) Details	*Not answered.*
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	*Not answered.*
Natural Gas Vented (Mcf) Details	*Not answered.*
Natural Gas Flared (Mcf) Details	*Not answered.*
Other Released Details	*Not answered.*
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	*Not answered.*

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QUESTIONS (continued)

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 584132
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	**No, according to supplied volumes this does not appear to be a "gas only" report.**
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	**No**
Reasons why this would be considered a submission for a notification of a major release	*Unavailable.*
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

Initial Response	
The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.	
The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	Tank overflow due to failure of water transfer pump to operate. Allowed approx. 15 bbls to overflow to lined secondary containment.
Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.	

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

I hereby agree and sign off to the above statement	Name: James Raley Title: EHS Professional Email: jim.raley@dvn.com Date: 05/18/2026

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QUESTIONS (continued)

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 584132
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Site Characterization	
Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 100 and 500 (ft.)
What method was used to determine the depth to ground water	Attached Document
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between 1000 (ft.) and ½ (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1 and 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1 and 5 (mi.)
Any other fresh water well or spring	Between 1 and 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 1000 (ft.) and ½ (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Between 1000 (ft.) and ½ (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan		
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.		
Requesting a remediation plan approval with this submission		Yes
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)	3200
TPH (GRO+DRO+MRO)	(EPA SW-846 Method 8015M)	0
GRO+DRO	(EPA SW-846 Method 8015M)	0
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		03/01/2026
On what date will (or did) the final sampling or liner inspection occur		03/05/2026
On what date will (or was) the remediation complete(d)		04/01/2026
What is the estimated surface area (in square feet) that will be reclaimed		0
What is the estimated volume (in cubic yards) that will be reclaimed		0
What is the estimated surface area (in square feet) that will be remediated		4097
What is the estimated volume (in cubic yards) that will be remediated		30
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)

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 584132
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Remediation Plan (continued)	
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
(Select all answers below that apply.)	
(Ex Situ) Excavation and **off-site** disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for **off-site** disposal	fEEM0112334510 HALFWAY DISPOSAL AND LANDFILL
OR which OCD approved well (API) will be used for **off-site** disposal	*Not answered.*
OR is the **off-site** disposal site, to be used, out-of-state	No
OR is the **off-site** disposal site, to be used, an NMED facility	No
(Ex Situ) Excavation and **on-site** remediation (i.e. On-Site Land Farms)	No
(In Situ) Soil Vapor Extraction	No
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	No
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	No
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	No
Ground Water Abatement pursuant to 19.15.30 NMAC	No
OTHER (Non-listed remedial process)	No
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.	
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I hereby agree and sign off to the above statement	Name: James Raley Title: EHS Professional Email: jim.raley@dvn.com Date: 05/18/2026
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)

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 584132
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Deferral Requests Only *Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.*	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

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QUESTIONS (continued)

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 584132
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	**552629**
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	**02/13/2026**
What was the (estimated) number of samples that were to be gathered	**25**
What was the sampling surface area in square feet	**4097**

Remediation Closure Request	
Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.	
Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	**Yes**
Was this release entirely contained within a lined containment area	**No**
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	4200
What was the total volume (cubic yards) remediated	30
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes
What was the total surface area (in square feet) reclaimed	1800
What was the total volume (in cubic yards) reclaimed	10
Summarize any additional remediation activities not included by answers (above)	Closure Complete

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (in .pdf format) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

I hereby agree and sign off to the above statement	Name: James Raley Title: EHS Professional Email: jim.raley@dvn.com Date: 05/18/2026

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QUESTIONS (continued)

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 584132
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Reclamation Report	
Only answer the questions in this group if all reclamation steps have been completed.	
Requesting a reclamation approval with this submission	No

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:	OGRID:
WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	246289
	Action Number: 584132
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
scott.rodgers	Remediation has met 19.15.29 NMAC requirements. Soil impacts exceeding the reclamation standards have been left in place and are required to meet 19.15.29.13D (1) NMAC once the site is no longer reasonably needed for production or subsequent drilling operations.	6/3/2026