

Oil or Water Spill **TO SOIL** Volume Spreadsheet

Calculator Updated 11/17/2015

INPUT FIELDS
OUTPUT
RESULT

Location:	Nailed It B CTB
GPS Coordinates:	
Spill Date:	4/16/2026
Spill Time:	

Types of Soil	Porosity Factor
Gravel	0.25
Sand	0.20
Clay/silt/sand Mix	0.15
Clay	0.05
Caliche	0.03
Unknown	0.25

Length of Spill=		feet
Width of Spill=		feet
Saturation (or depth) of Spill=		inches

OR

Area=	16,019.00	ft ²
Saturation (or depth) of Spill=	4.00	inches

OR

Soil Volume=	-	yd ³
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Oil Cut=	-	% Oil
Porosity Factor=	0.03	

Soil Volume=	197.77	yd ³
Total Oil in Soil=	-	barrels
Total Produced Water in Soil=	28.53	barrels

Volume Picked up	12.00	bbls
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TOTAL VOLUME OF LEAK (SOAK AND RECOVERED)

Total Oil=	-	barrels
Total Produced Water=	40.53	barrels

TOTAL VOLUME RECOVERED

Total Oil=	-	barrels
Total Produced Water=	12.00	barrels

RRC NOTIFICATION REQUIREMENTS

OIL LEAK => 5 BBLs

WATER LEAK => 30 BBLs

Take Photos of spill before cleanup

Make Sketch of Spill Area

STEP 1
USED TO
CALCULATE
SOAK INTO THE
GROUND. ONLY
USE ONE
METHOD

STEP 2
INPUT OIL CUT
AND POROSITY
FROM ABOVE
CHART

STEP 3
INPUT VOLUME
VAC TRUCK
RECOVERED



May 14, 2026

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

RE: **Nailed It B – Site Characterization & Remediation Plan**
Incident Number: nAPP2610660720
GPS: 32.001694°, -103.842026°
Eddy County, New Mexico
ESRR Project No. 9699

To Whom It May Concern:

Earth Systems Response & Restoration (ESRR), on behalf of Civitas Resources (Civitas), presents the following Site Characterization & Remediation Plan (SCRP) detailing subsequent soil sampling activities and a scope of work to address soil impacts associated with an inadvertent release of produced water at the Nailed It B (Site). Civitas proposes this SCR, detailing remediation objectives to mitigate environmental impacts at the Site.

Site Location, Incident Description & Background

The Site is located in Unit D, Section 36, Township 26 South, Range 30 East, in Eddy County, New Mexico (32.001694°, -103.842026°) and is associated with oil and gas exploration and production operations on State Land managed by the New Mexico State Land Office (NMSLO) (**Figure 1**).

On April 16, 2026, a pump experienced equipment failure, causing the release of approximately 40 barrels (bbls) of produced water onto a Civitas production pad. A vac truck was immediately dispatched and recovered 12 bbls of fluids. ESRR conducted initial site assessment activities and mapped the observed release footprint on April 17, 2026, hereafter referred to as the Area of Concern (AOC) (**Figure 2**). Civitas gave notice to the New Mexico Oil Conservation Division (NMOCD) by Notification of Release (NOR) on April 16, 2026 and by Corrective Action Form C-141 (Form C-141) on April 17, 2026. The incident was subsequently assigned Incident Number nAPP2610660720.

Upon evaluation, Civitas determined the Cultural Properties Protection Rule will not apply due to activities remaining within established production pad surfaces, with no potential for impacts to any threatened, endangered, and sensitive wildlife or plants species in undisturbed areas.

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;

Nailed It B CTB – Site Characterization & Remediation Plan
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- 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 any unstable area (non-karst); and
- Between 1 and 5 miles of a 100-year floodplain.

During 2025, Civitas contracted third party contractors to install a temporary depth to groundwater (DTW) well and perform an Environmental Karst Study (EKS) Report to better understand the Site characterization. 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 wells are attached.

Based on the EKS Report:

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

Based on the desktop review, DTW is estimated to be greater than 100 feet below ground surface (bgs) and the Site is designated with low karst potential. The following Closure Criteria will be applied:

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

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

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

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

Delineation Activities

On April 23, 2026, ESRR conducted delineation activities to assess the presence or absence of soil impacts associated with the AOC. Twelve delineation boreholes (HA-1 through HA-12) were advanced via hand auger within and surrounding the AOC. Delineation activities were driven by field screening soil for chloride utilizing QuanTab® test strips. A minimum of two soil samples were collected from each delineation borehole, representing the highest observed field screening concentrations and/or the greatest depth. Delineation soil samples were placed directly into lab-provided pre-cleaned jars, packed with minimal void space, labeled, and placed on ice. The delineation soil samples were transported under strict chain-of-custody procedures, to Eurofins in Carlsbad, New Mexico, for analysis of the COCs.

Laboratory analytical results for all delineation soil samples collected within and surrounding the AOC (HA-1 through HA-12) were below the Site Closure Criteria and/or the reclamation standard within the

Nailed It B CTB – Site Characterization & Remediation Plan
Incident Number: nAPP2610660720
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top 2 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 2**.

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 DTW estimated to be greater than 100 feet bgs and no sensitive receptors within the established buffers in NMAC 19.15.29.12, Civitas 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.

- Civitas proposes to perform a 2-inch surficial scrape of the AOC, resulting in approximately 100 cubic yards of soil (**Figure 3**). Soil will be treated as impacted and transported to a nearby state-regulated landfill facility for disposal under Civitas approved waste manifests.
- Civitas respectfully requests an Alternative Sampling Plan allowing for confirmation soil samples to be collected from the floor of the excavation from areas representing no greater than 400 square feet (sqft), decreasing the number of floor samples required from 80 to approximately 40. Sidewall soil samples will be collected from excavation areas no greater than 200 sqft and will meet the reclamation standard of 100 mg/kg for TPH and 600 mg/kg for chloride.
- Upon receipt of the final confirmation laboratory analytical results, Civitas will have the excavation backfilled with clean, locally sourced soil and restored to *"as close to its original state"* as possible.

Proposed Schedule

Civitas 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 nAPP2610660720.

If you have any questions or comments, please do not hesitate to contact Gilbert Moreno at (832) 541-7719 or gmoreno@earthsys.net. **NMOCD and NMSLO Email Documentation & Correspondence** and **Executed Chain-of-Custody Forms and Laboratory Analytical Reports** are attached.

Sincerely,

EARTH SYSTEMS RESPONSE & RESTORATION

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

Gilbert Moreno
Carlsbad Operations Manager/ Project Geologist

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

Kris Williams, CHMM, REM
Principal

cc: Mason Jones, Civitas Resources
New Mexico State Land Office

Nailed It B CTB – Site Characterization & Remediation Plan
Incident Number: nAPP2610660720
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Attachments:

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

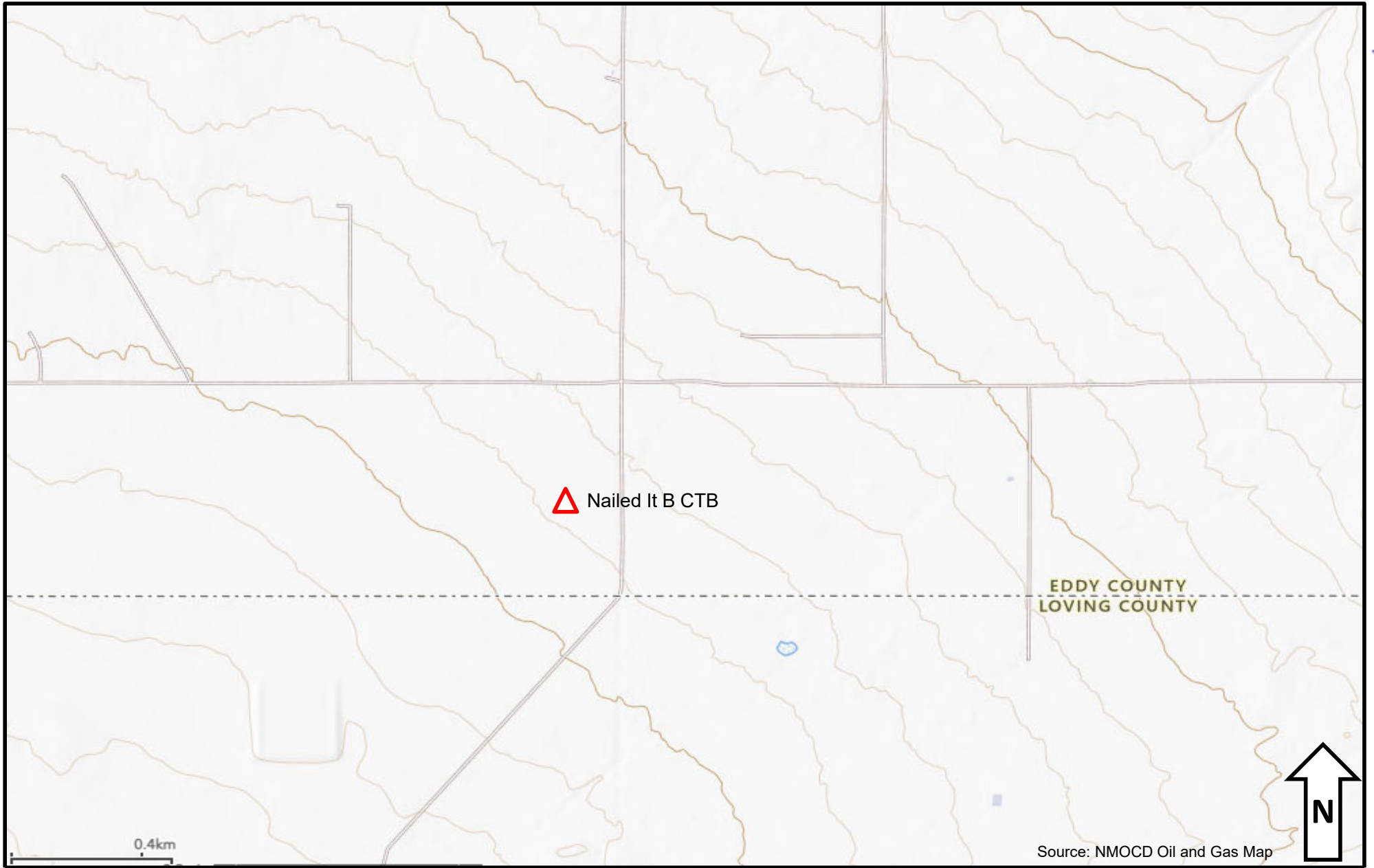


Figure 1 – Site Map

Civitas Resources – Nailed It B CTB
GPS: 32.001694°, -103.842026°
Eddy County, New Mexico

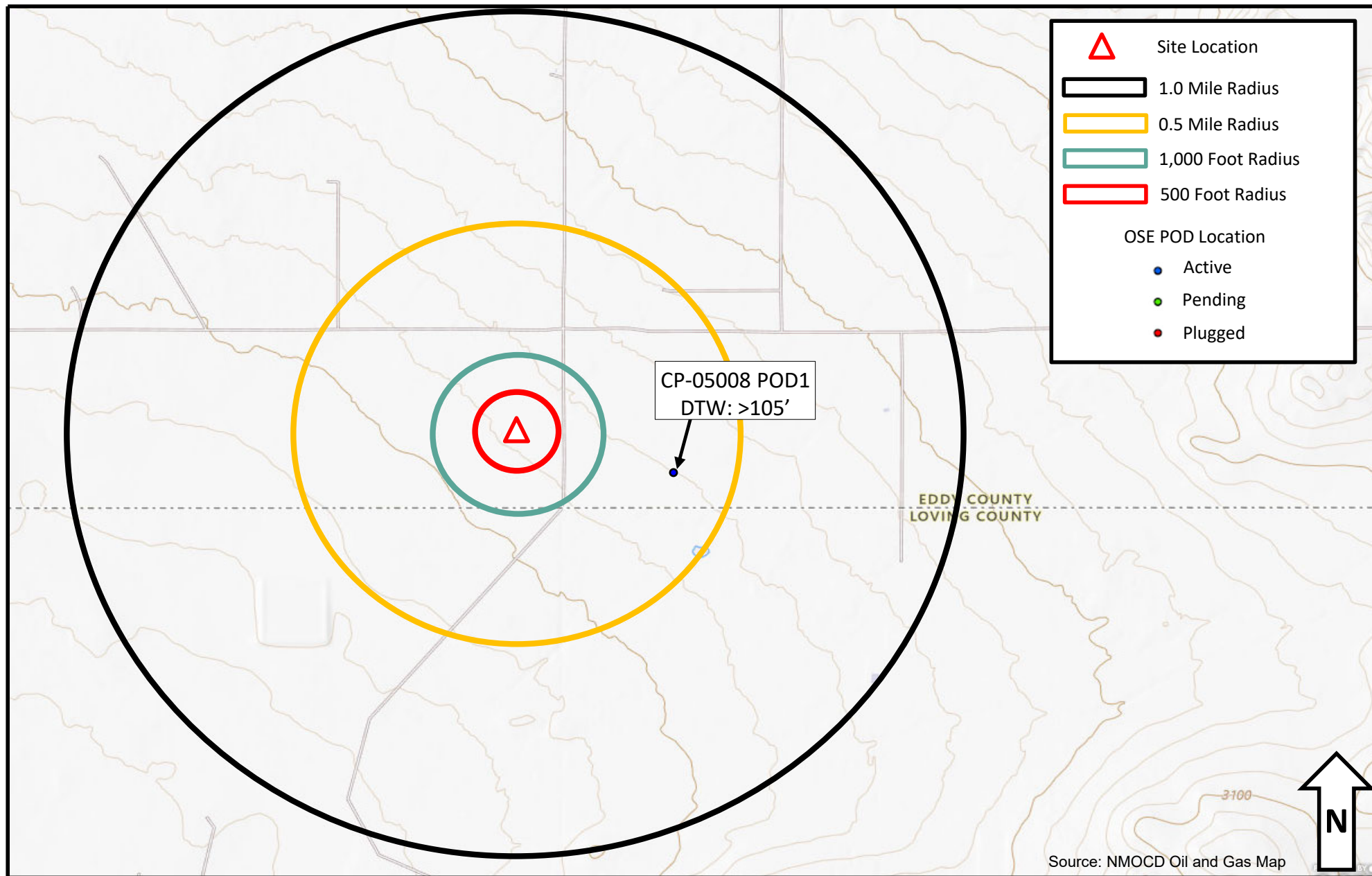


Figure 1A – Groundwater

Civitas Resources – Nailed It B CTB
GPS: 32.001694°, -103.842026°
Eddy County, New Mexico

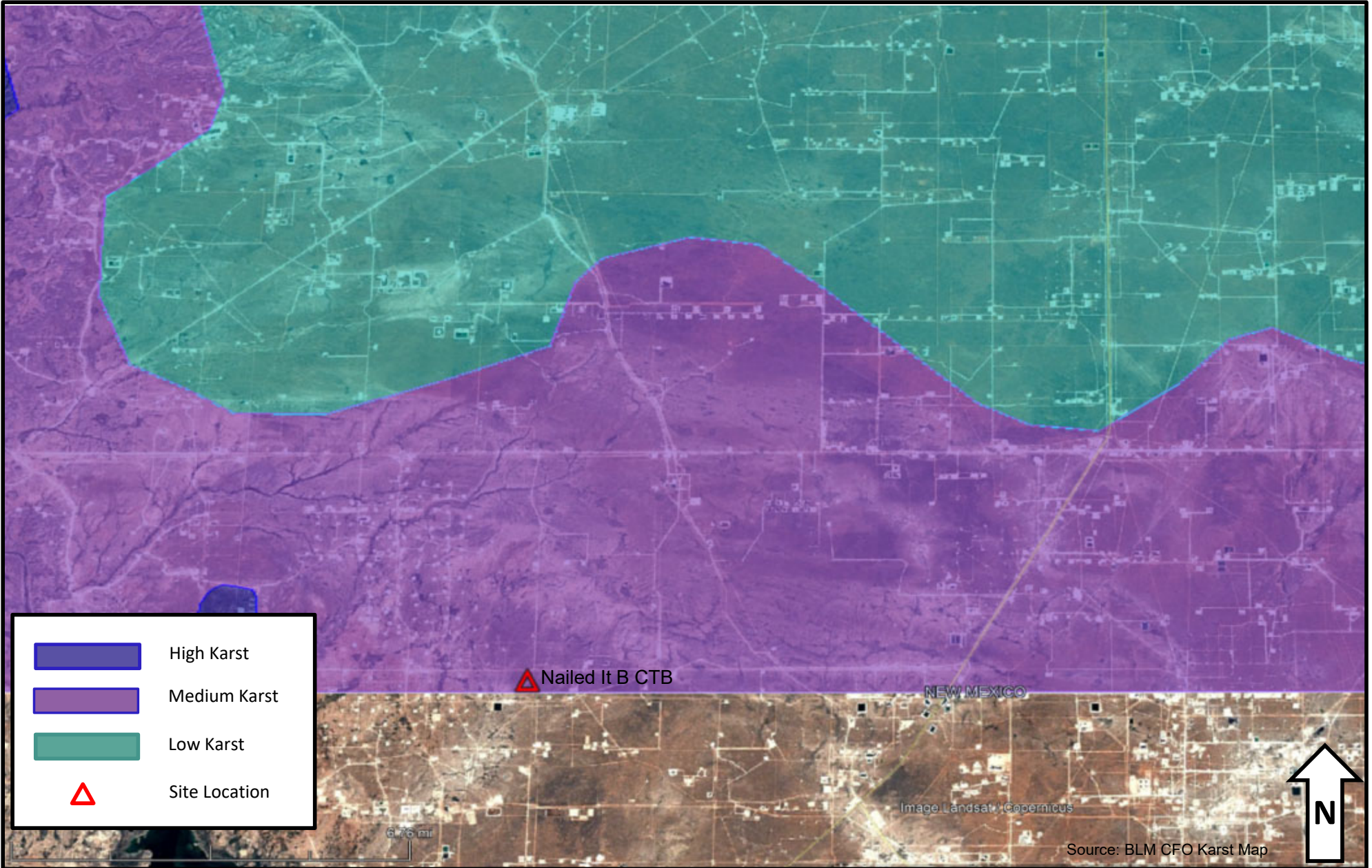


Figure 1B – Karst Potential

Civitas Resources – Nailed It B CTB
GPS: 32.001694°, -103.842026°
Eddy County, New Mexico

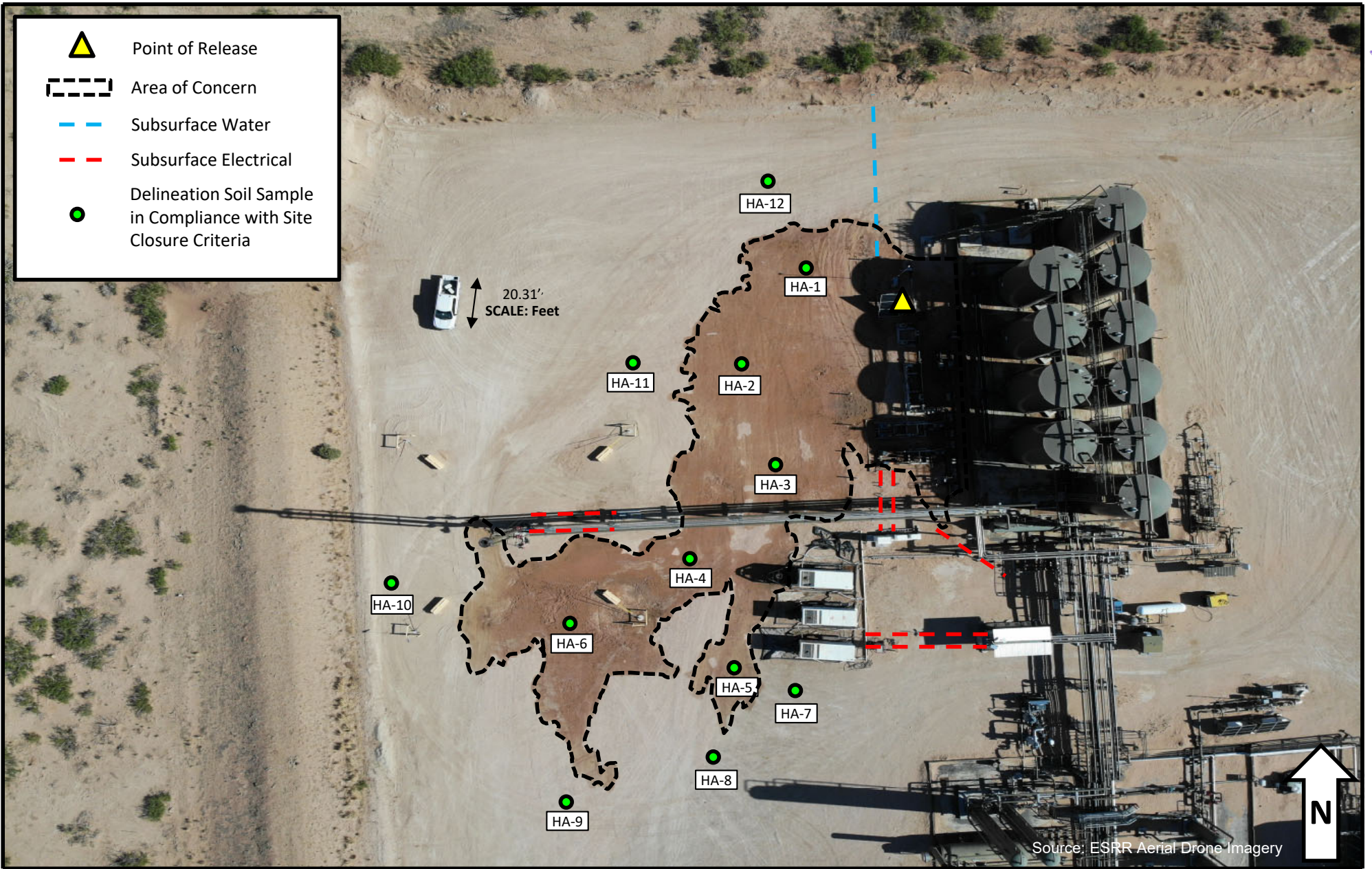


Figure 2 – Delineation Soil Sample Locations

Civitas Resources – Nailed It B CTB
GPS: 32.001694°, -103.842026°
Eddy County, New Mexico

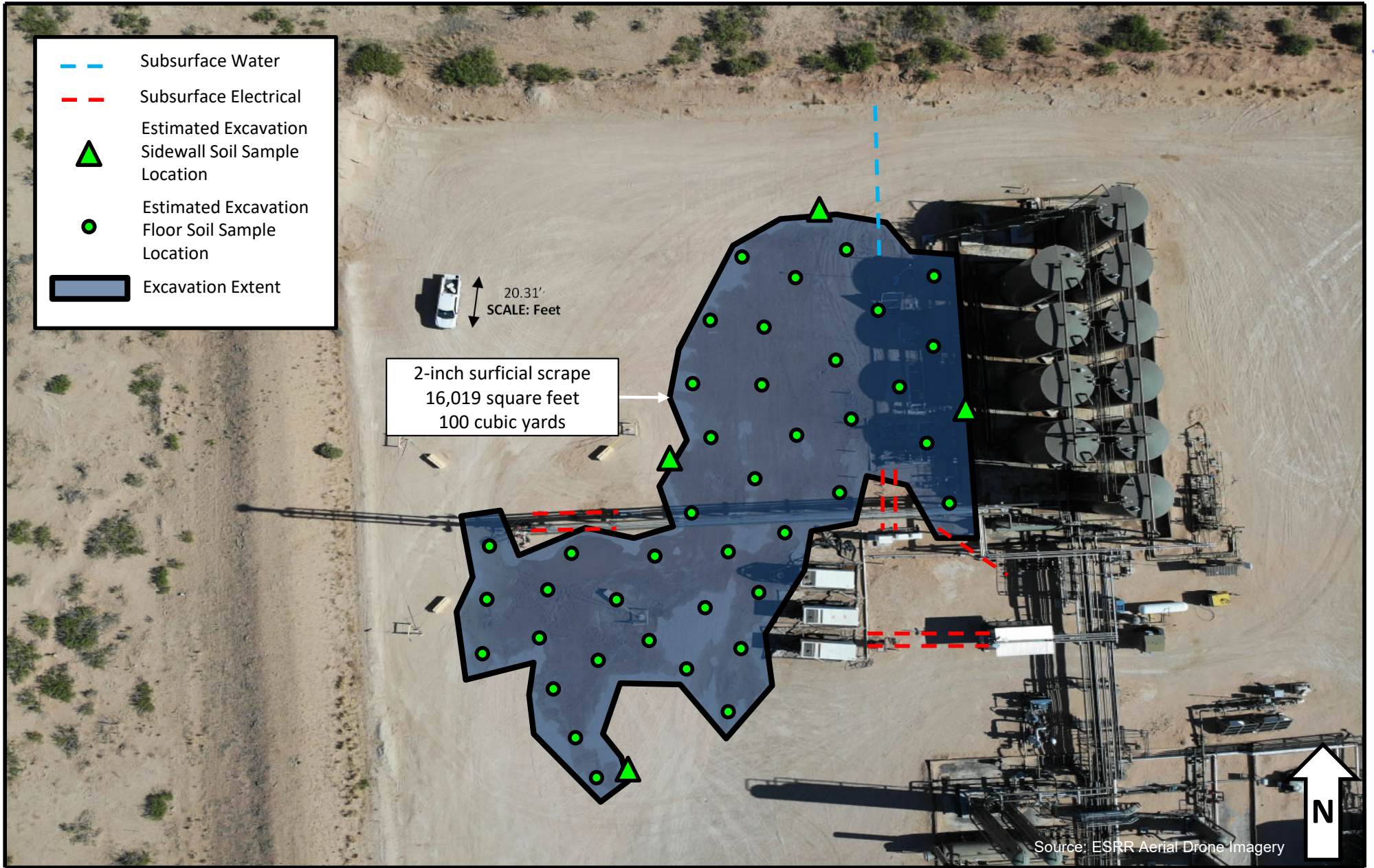


Figure 3 – Estimated Excavation Soil Sample Locations

Civitas Resources – Nailed It B CTB
GPS: 32.001694°, -103.842026°
Eddy County, New Mexico



Table 1
SOIL SAMPLE ANALYTICAL RESULTS
Nailed It B CTB
Eddy County, New Mexico



Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	DRO + GRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria for Soils Impacted by a Release (NMAC 19.15.29)			10	50	NE	NE	NE	1,000	2,500	20,000
Delineation Soil Samples - nAPP2610660720										
HA - 1	04/23/26	0.5	<0.00200	<0.00399	<49.7	<49.7	<49.7	<49.7	<49.7	8,440
HA - 1	04/23/26	2	<0.00201	<0.00402	<50.2	<50.2	<50.2	<50.2	<50.2	10.7
HA - 2	04/23/26	0.5	<0.00202	<0.00404	<50.0	<50.0	<50.0	<50.0	<50.0	7,800
HA - 2	04/23/26	2	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	<9.94
HA - 3	04/23/26	0.5	<0.00200	<0.00399	<50.2	<50.2	<50.2	<50.2	<50.2	5,670
HA - 3	04/23/26	2	<0.00201	<0.00402	<49.8	<49.8	<49.8	<49.8	<49.8	<9.98
HA - 4	04/23/26	0.5	<0.00202	<0.00404	<50.3	<50.3	<50.3	<50.3	<50.3	9,760
HA - 4	04/23/26	2	<0.00199	<0.00398	<50.1	<50.1	<50.1	<50.1	<50.1	114
HA - 5	04/23/26	0.5	<0.00198	<0.00396	<50.0	<50.0	<50.0	<50.0	<50.0	5,920
HA - 5	04/23/26	2	<0.00200	<0.00400	<50.1	<50.1	<50.1	<50.1	<50.1	40.7
HA - 6	04/23/26	0.5	<0.00200	<0.00399	<49.7	<49.7	<49.7	<49.7	<49.7	12,000
HA - 6	04/23/26	2	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	<50.0	38.2
HA-7	04/23/26	0.5	<0.00200	<0.00400	<50.1	<50.1	<50.1	<50.1	<50.1	50.7
HA-7	04/23/26	2	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	<50.0	21.1
HA-8	04/23/26	0.5	<0.00201	<0.00402	<50.2	<50.2	<50.2	<50.2	<50.2	37.8
HA-8	04/23/26	2	<0.00202	<0.00404	<50.0	<50.0	<50.0	<50.0	<50.0	<9.92
HA-9	04/23/26	0.5	<0.00201	<0.00402	<50.1	<50.1	<50.1	<50.1	<50.1	100
HA-9	04/23/26	2	<0.00202	<0.00404	<49.9	<49.9	<49.9	<49.9	<49.9	<10.0
HA-10	04/23/26	0.5	<0.00199	<0.00398	<50.2	<50.2	<50.2	<50.2	<50.2	89.4
HA-10	04/23/26	2	<0.00200	<0.00400	<49.7	<49.7	<49.7	<49.7	<49.7	35.2
HA-11	04/23/26	0.5	<0.00200	<0.00399	<50.1	<50.1	<50.1	<50.1	<50.1	97.8
HA-11	04/23/26	2	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	<50.0	37.8
HA-12	04/23/26	0.5	<0.00202	<0.00404	<49.8	<49.8	<49.8	<49.8	<49.8	85.2
HA-12	04/23/26	2	<0.00202	<0.00404	<50.2	<50.2	<50.2	<50.2	<50.2	44.2

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

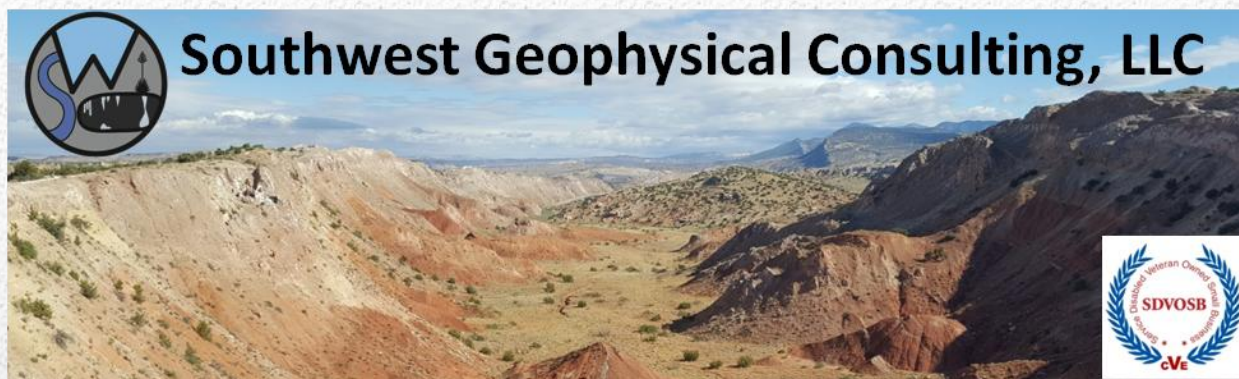
NMOCD: New Mexico Oil Conservation Division

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.

R: refusal



Environmental Karst Study Report Nailed It B CTB Eddy County, New Mexico

**Prepared For:
Earth Systems, LLC
1910 Resource Court
Carlsbad, NM 88220**

- ☐ Positive within 200 feet of spill delineation boundary
- ☒ Negative within 200 feet of spill delineation boundary
- ☒ Stable ☐ Unstable Ground
- ☐ Karst Monitor Recommended

August 29, 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 August 7, 2025, for the purpose of conducting an environmental karst study within an area encompassing the Nailed It B CTB release site (hereinafter termed "NIBC") centered at N 32.002619° W 103.842442°.

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 the spill delineation boundary of the Nailed It CTB release site as provided by the client via e-mail (**Nailed It B CTB_Release Extent.kmz**) on August 07, 2025, using electrical resistivity imaging^[3].

1.2 Summary of Findings

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

1.3 Affected Environment

The NIBC 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**).

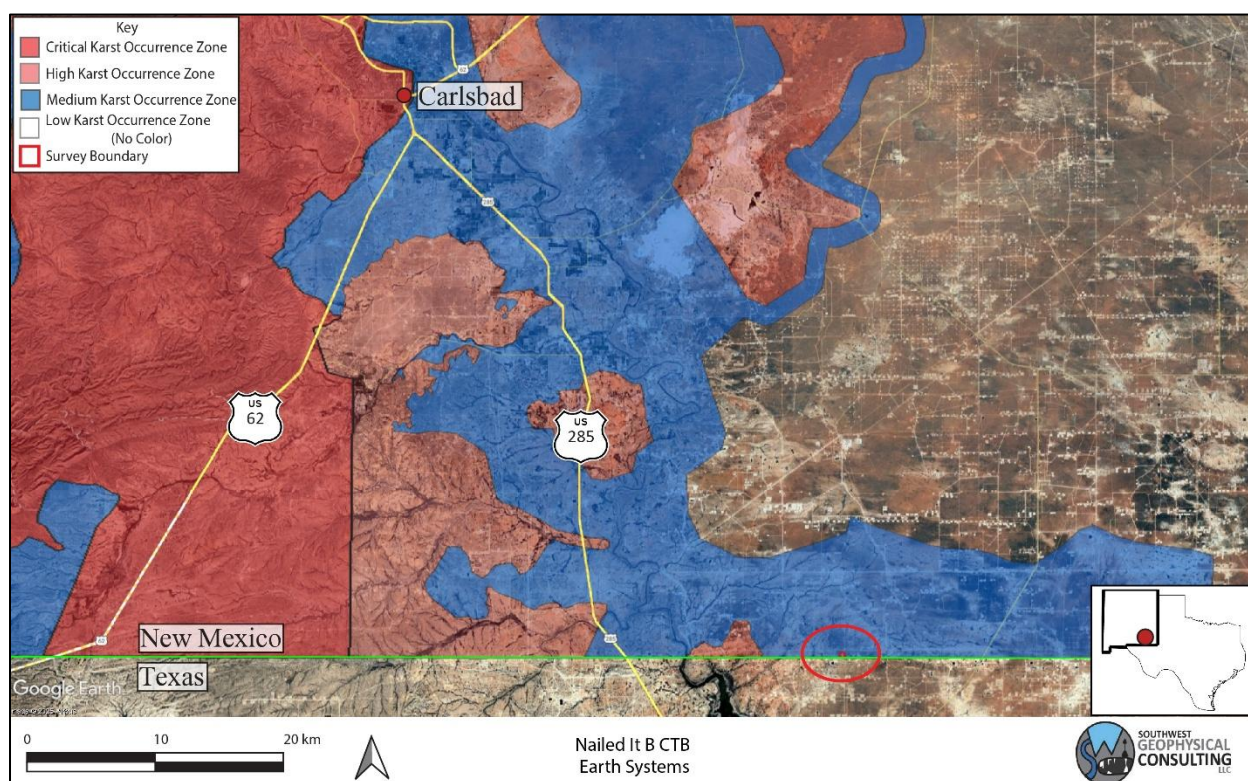


Figure 1: Karst occurrence zone overview. Background image credit: Google Earth. Image date: August 21, 2024. Image datum: WGS-84.

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 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 in the field should be conducted 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 58.7 kilometers (36.5 miles) southeast of Carlsbad, New Mexico, south of State Line Road and north of the New Mexico – Texas border in an area known as Red Bluffs. The spill delineation boundary is located within the western half of section 36, 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 NMSLO managed land^[10] (**Figure 2**).

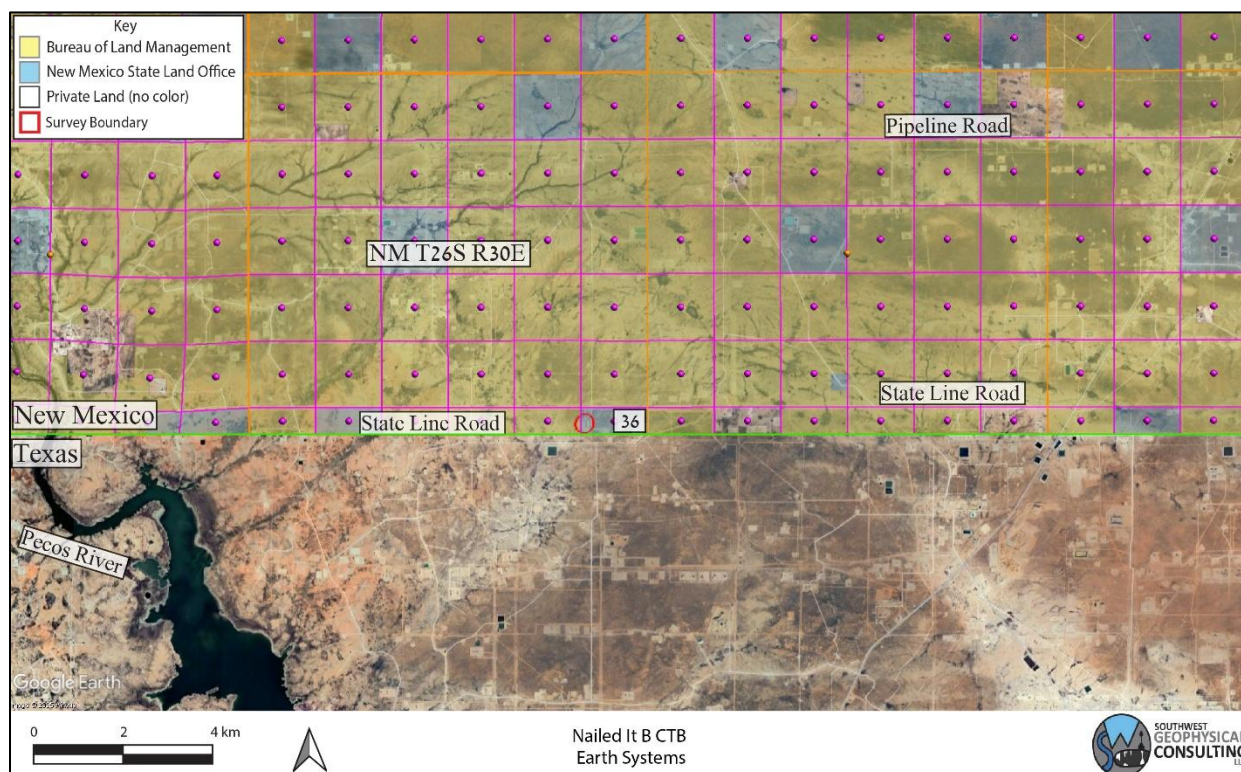


Figure 2: Land ownership and PLSS overview. Background image credit: Google Earth. Image date: December 31, 2023. Image datum: WGS-84.

2.2 Local Geology Summary

The site for the NIBC survey is located at an elevation of 919 meters (3,015 feet), $\pm$ 2 meters (6.6 feet), and is located within a region entirely underlain by the Permian Dewey Lake (Pdl) and Rustler (Pru) Formations. The area is mantled by thin gypsiferous soils (gypsite), Quaternary alluvium (Qal) and eolian sands (Qe)^[11] up to 5 meters in depth (**Figure 3**).

The Dewey Lake Formation is composed of calcite-cemented, hematite-stained quartz sand grains^[12] and occasional gypsum lenses and can, in favorable conditions, form cavernous porosity within 30 meters of the top of the Rustler Formation^[13]. The Dewey Lake Formation is also known to be highly fractured near areas of heavy halite dissolution such as Nash Draw (approximately 25 kilometers north), and these fractures can act as hydrologic conduits.

The Rustler Formation is an evaporite facies and is composed mainly of thin siltstones and sandstones interbedded with claystones, dolomite and gypsum^[12], and contains both karst-forming strata (the Forty-niner and Tamarisk members) and two shallow aquifers (the Magenta and Culebra Dolomite members). The Forty-niner and Tamarisk members are known to have highly developed karst features including large voids and solution-enlarged fractures^[14].

The survey area is covered by the easily accessible Geologic Map of New Mexico (2003) at 1:500,000 scale^[15] and the Digital Geologic Map of New Mexico in ARC/INFO Format^[11].

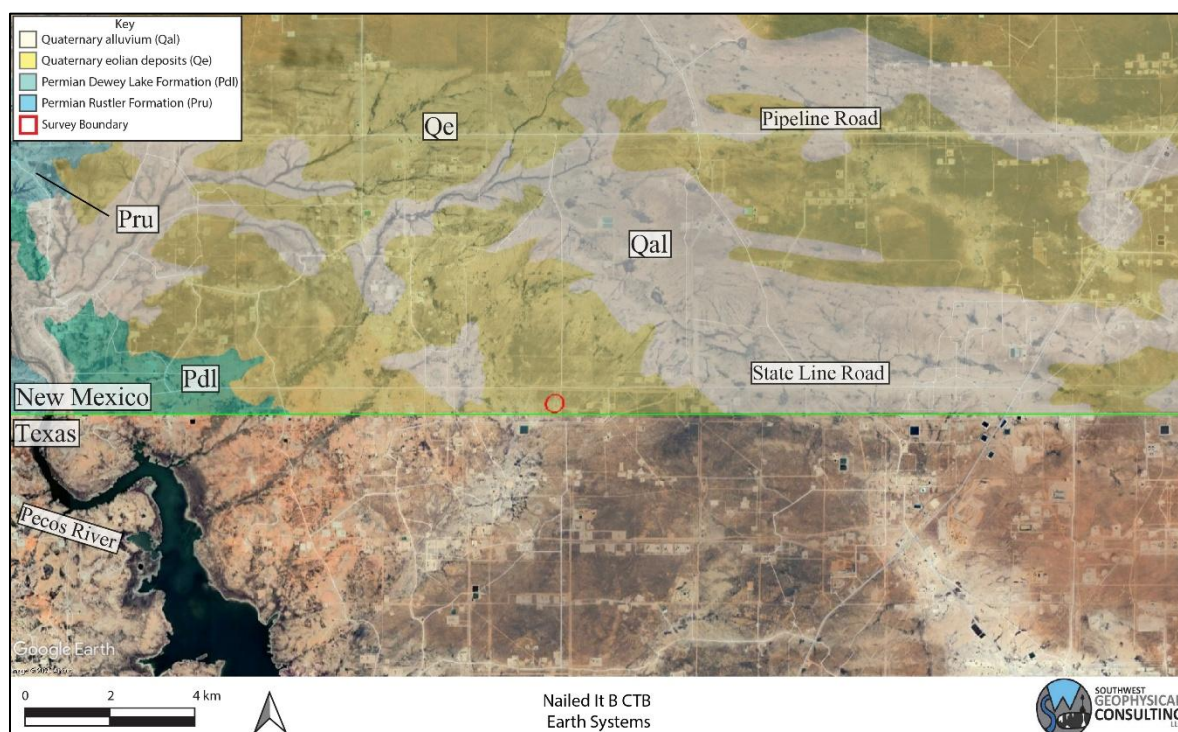


Figure 3: Geology overview. Geology map credit: The Digital Geologic Map of New Mexico in ARC/INFO Format. Background image credit: Google Earth. Image date: December 31, 2023. Image datum: WGS-84.

2.3 Description of Survey

2.3.1 Surface Karst Inventory

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 December 31, 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 April 25, 2025^[16]; the Phantom Banks, NM, 1:24,000 quad, 1968, USGS topographic map; 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 results within the 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^[17].

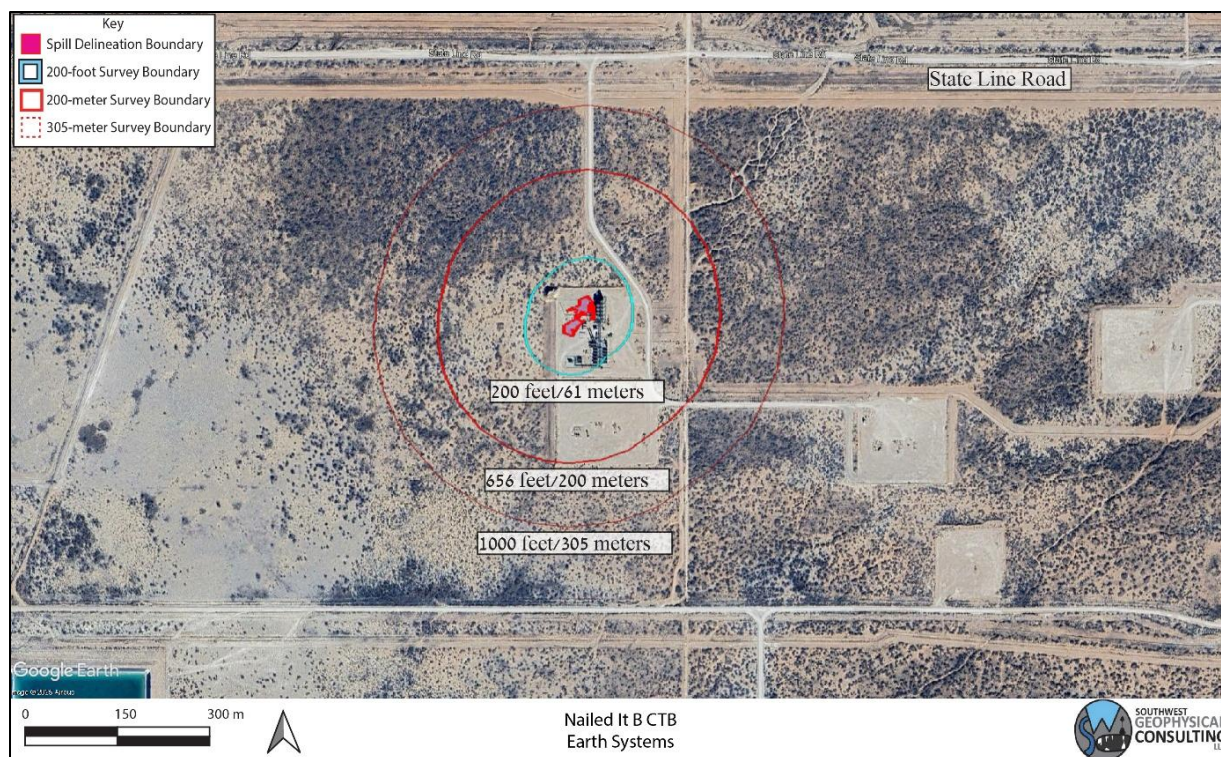


Figure 4: Surface survey overview. Background image credit: Google Earth. Image date: December 31, 2023. Datum: WGS-84.

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 August 16, 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 August 18, 2025.

2.3.2 Geophysical Survey

For this survey, a Guideline Geo Terrameter LS 2 and a 28-electrode array of 40-centimeter-long electrodes were used to image the subsurface. This survey consisted of two resistivity lines in a dipole-dipole configuration. Line NIBC01 is laid out west to east while line NIBC02 is laid out south to north. Both lines consisted of 28 electrodes at 5-meter spacing, resulting in 135-meter-long arrays (**Figure 5, Table 1**). A preconfigured protocol file was used to run the data collection (DipoleDipole2x14). This electrode configuration provided a depth of investigation of 27 meters (89 feet) and a resolution of 2.5 to 3.0 meters (8.2 to 9.8 feet) within the first 5 to 8 meters (16 to 26 feet) from the surface. A Leica GS18 GPS was used to record electrode locations and elevations.

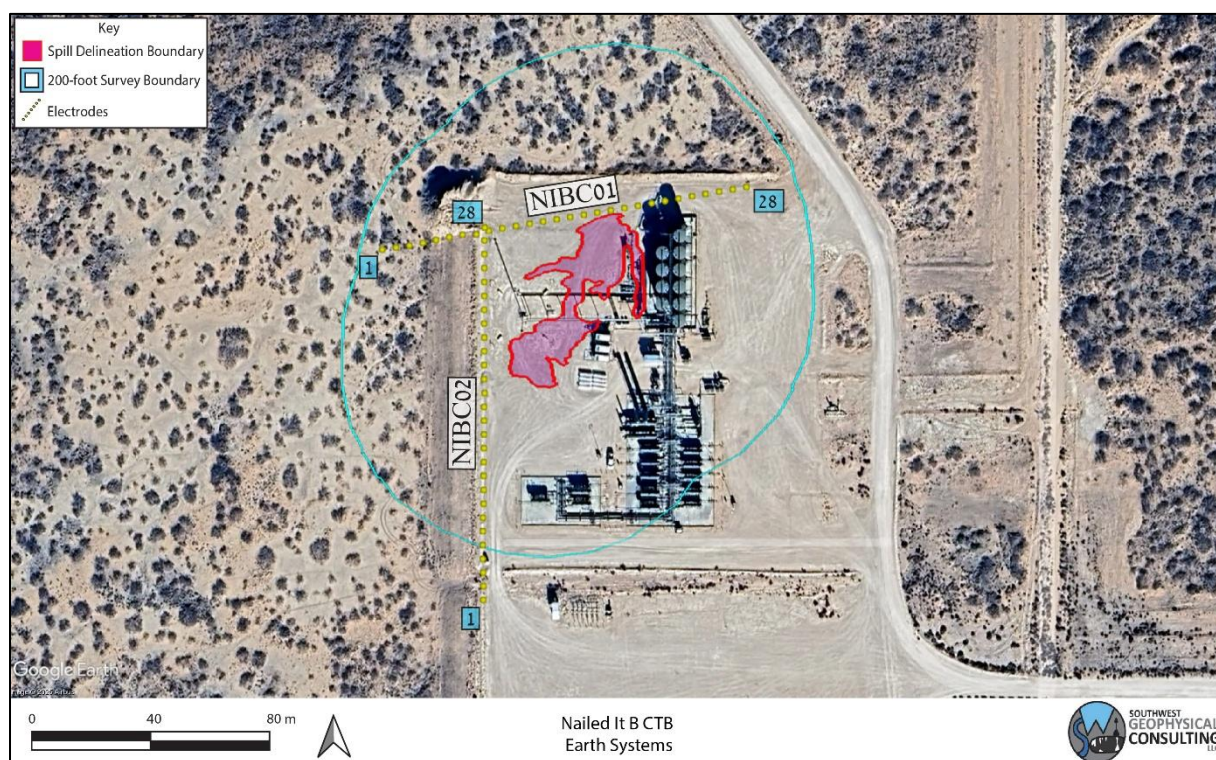


Figure 5: Geophysical survey overview. Two survey lines were conducted with 28 electrodes each (yellow dots denoted with blue numbers). Background image credit: Google Earth. Image date: December 31, 2023. Image datum: WGS-84.

Table 1 provides basic line data. Detailed information for each line 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 NIBC_ERI_Points.xlsx and ESYS-002-20250807_NIBC_Data_Files.kmz.

File Name:	Completed By:	Date:
NIBC01.kmz	Garrett Jorgensen Olague – Senior Field Geologist Britt Bommer – Field Geologist Aaron Beirl – Field Geologist	8/19/2025
NIBC02.kmz		

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 k Ω -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 Garrett Jorgensen Olague, Britt Bommer, and Aaron Beirl on August 19, 2025.

3.0 RESULTS

3.1 Surface Karst Survey

The desk study and surface karst survey showed no surface karst features within the 200-foot (61-meter)^[1] karst survey boundary (Figure 6).

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

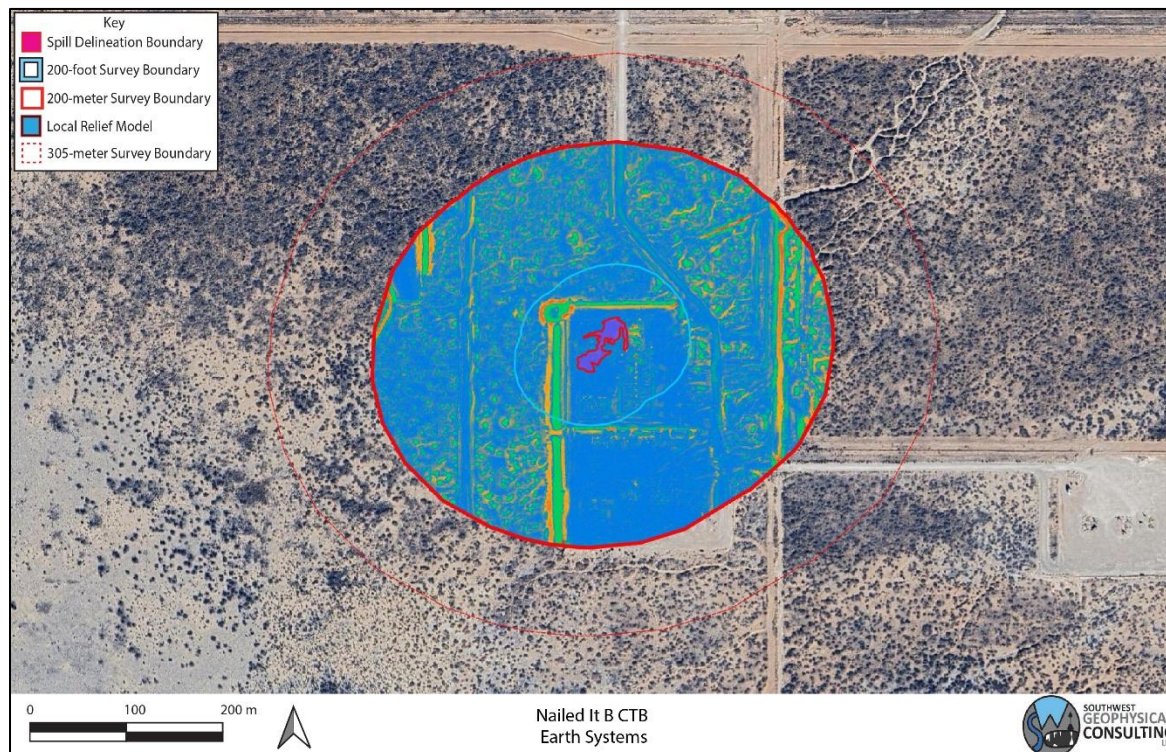


Figure 6: Surface karst survey results. Background image credit: Google Earth. Image date: December 31, 2023. Image datum: WGS-84.

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 well-layered geologic system with low resistivities between 5.0 and 465 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.

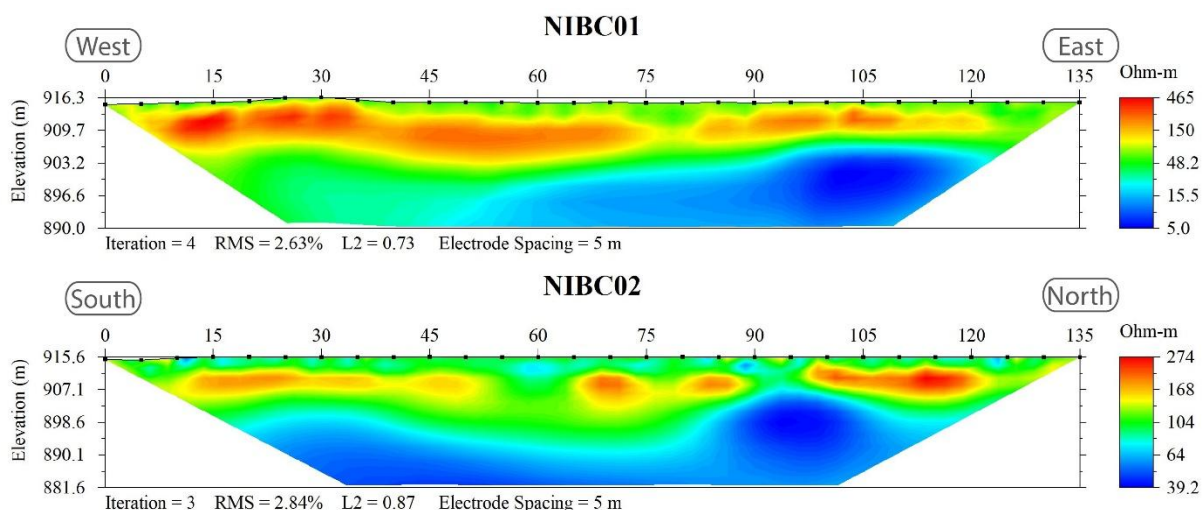


Figure 7: 2D inverted resistivity sections. Reds and oranges indicate higher resistivity values. Yellows and greens are medium-resistivity values. Blues are low-resistivity values. Please note that the color scale is relative.

4.0 DISCUSSION

No surface karst features and no anomalies consistent with air-filled subsurface voids are found within the NIBC survey area. However, small solutionally enlarged voids or fractures at or near the resolution limit of the survey (2.5 – 3.0 meters) may be present. Slightly higher-than-average resistivity areas less than 10 meters beneath the surface are interpreted as sand, caliche, or gypsite soils. Due to their much lower resistivity values when compared with significant subsurface voids, these features should not be a concern during remediation efforts.

Areas of moderate resistivity (yellows, and greens) near the surface are interpreted as sand, caliche, or sandstone of the Dewey Lake Formation; or dry caliche soils and gypsum or dolomite bedrock Rustler Formation ^[18] (**Figure 7** and **Figure 8**). The low-resistivity area at a depth of approximately 12 - 15 meters beneath the surface across both lines is likely a layer of either clay and halite lenses or moist or saturated layers within the Dewey Lake or Rustler Formations. (**Figure 7** and **Figure 8**).

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.

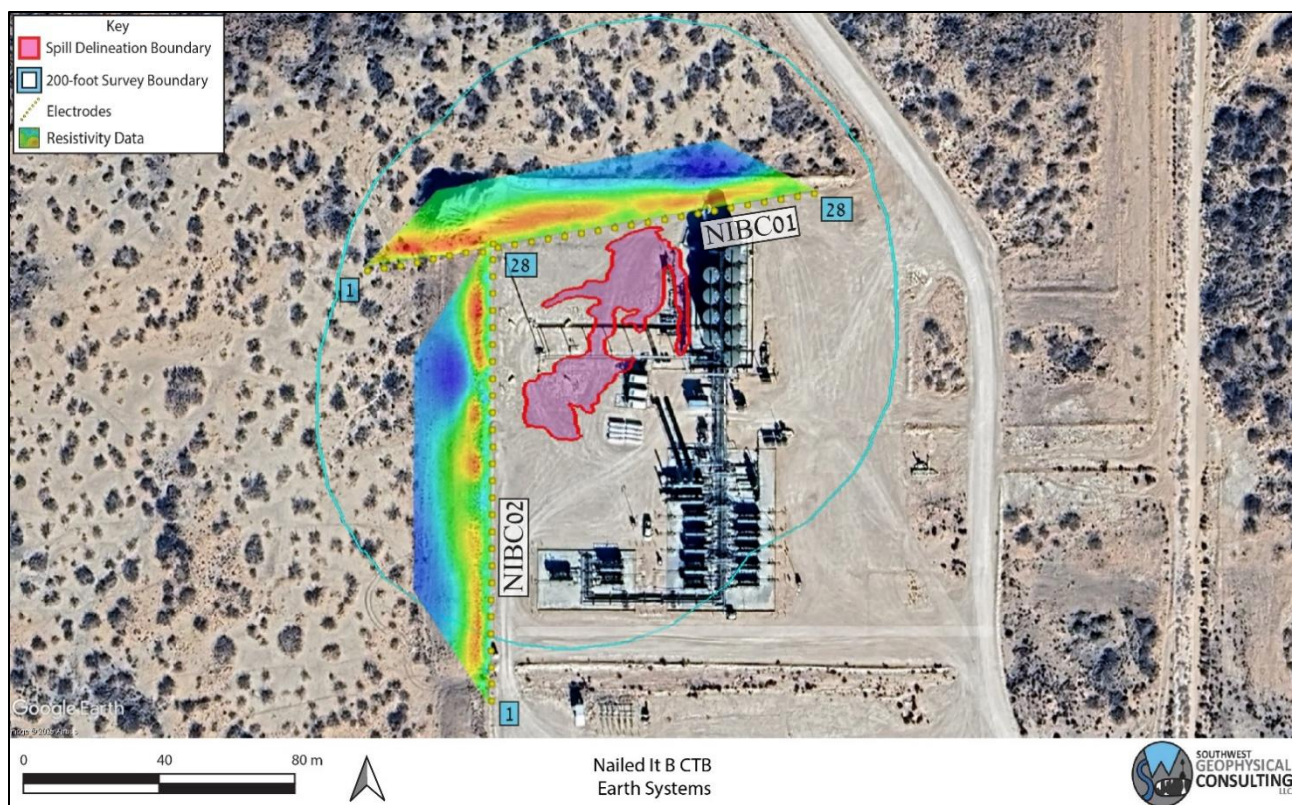


Figure 8: Interpretation. Colored trapezoids are 2D inverted resistivity lines. Background image credit: Google Earth. Image date: December 31, 2023.

5.0 SUMMARY

- **The NIBC survey contains no surface karst features within 200 feet (61 meters) of the spill delineation 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.
- **Well-layered stratigraphy is interpreted to exist beneath the area where the geophysical survey was conducted, indicating stable ground.**
- 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 federal land manager should be submitted to BLM-CFO: 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 W.R.C.C. *National Climate Data Center 1981-2010 Normal Climate Summary for Carlsbad, New Mexico (291469)*, 2010).
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- 16 Decker, D. D., Jorgensen, G. L. & Palmer, R. in *Southwest Geophysical Cave and Karst Database* (ed LLC Southwest Geophysical Consulting) (Albuquerque, NM, 2025).
- 17 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).
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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

PdI	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-002-20250807 entitled, “Environmental Karst Study Report, Nailed It B CTB, 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, September 10, 2025.



David D. Decker
PhD, CPG-12123





WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) Pod 1		WELL TAG ID NO.		OSE FILE NO(S). C-5008			
	WELL OWNER NAME(S) Civitas Resources, Inc.				PHONE (OPTIONAL)			
	WELL OWNER MAILING ADDRESS 6301 Holiday Hill Rd Unit 201				CITY Midland	STATE TX	ZIP 79707	
	WELL LOCATION (FROM GPS)	DEGREES 32	MINUTES 0	SECONDS 4.8	N	* ACCURACY REQUIRED: ONE TENTH OF A SECOND		
		LONGITUDE 103	50	10.5	W	* DATUM REQUIRED: WGS 84		
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS – PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE S36 T26s R30e								
2. DRILLING & CASING INFORMATION	LICENSE NO. WD-1862		NAME OF LICENSED DRILLER James Hawley			NAME OF WELL DRILLING COMPANY H&R Enterprises, LLC		
	DRILLING STARTED 11-4-25		DRILLING ENDED 11-4-25		DEPTH OF COMPLETED WELL (FT) 105'	BORE HOLE DEPTH (FT) 105'	DEPTH WATER FIRST ENCOUNTERED (FT) N/A	
	COMPLETED WELL IS: ☐ ARTESIAN *add Centralizer info below ☒ DRY HOLE ☐ SHALLOW (UNCONFINED)					STATIC WATER LEVEL IN COMPLETED WELL (FT) N/A	DATE STATIC MEASURED 11-10-25	
	DRILLING FLUID: ☒ AIR ☐ MUD ADDITIVES – SPECIFY:							
	DRILLING METHOD: ☒ ROTARY ☐ HAMMER ☐ CABLE TOOL ☐ OTHER – SPECIFY:						CHECK HERE IF PITLESS ADAPTER IS INSTALLED ☐	
	DEPTH (feet bgl) FROM TO		BORE HOLE DIAM. (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
	0' 105'		6'	No casing left in hole				
3. ANNULAR MATERIAL	DEPTH (feet bgl) FROM TO		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL <i>*(if using Centralizers for Artesian wells- indicate the spacing below)</i>		AMOUNT (cubic feet)	METHOD OF PLACEMENT	
				N/A				

FOR OSE INTERNAL USE

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

FILE NO. C-5008	POD NO. 1	TRN NO. 791548
LOCATION 265.306.34	243	WELL TAG ID NO. NA
		PAGE 1 OF 2



Outlook

RE: Sampling Notification - Civitas Permian - Nailed It B CTB (30-015-53924/nAPP2610660720)-04-16-2026

From Mason Jones <mjones@civiresources.com>

Date Tue 4/21/2026 9:42 AM

To SLO Spills <ECO@nmslo.gov>

Cc Arick Tanaka <atanaka@civiresources.com>; Gilbert Moreno <gmoreno@earthsys.net>

Hello,

Earth Systems R & R anticipates conducting delineation soil sampling activities at the Nailed It B CTB (nAPP2610660720), April 23, 2026. 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	<u>11,191 sqft.</u>
• What is the estimated number of samples that will be gathered	<u>30</u>
• Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	4/23/2026
• Time sampling will commence	<u>09:30 MST</u>
• Please provide any information necessary for observers to contact samplers	<u>Gilbert Moreno (832) 541-7719</u>
• Please provide any information necessary for navigation to the sampling site	<u>32.001694,-103.842026</u>

Mason Jones

Permian Environmental Coordinator

Cell: 512-635-0129

6301 Holiday Hill Road Unit 201 | Midland, TX | 79707

www.civitasresources.com | NYSE: CIVI



From: SLO Spills <ECO@nmslo.gov>

Sent: Friday, April 17, 2026 11:02 AM

To: Mason Jones <mjones@civiresources.com>; SLO Spills <ECO@nmslo.gov>

Cc: Arick Tanaka <atanaka@civiresources.com>

Subject: Spill Notification Receipt - Civitas Permian - Nailed It B CTB (30-015-53924/nAPP2610660720)-04-16-2026

RE: Civitas; Nailed it B CTB; Lease # E009200000/Lessee CHEVRON USA INC

Incident #: nAPP2610660720

ROE #: NA

Notification Received: 4/17/26

Thank you for notifying the NMSLO Environmental Compliance Office (ECO) of the incident or release noted in the subject line above and the potential impact to State Trust Land (STL). Once the release is stopped and contained, your cooperation in completing the subsequent remediation tasks is appreciated:

1. Identify compliance requirements for the Cultural Properties Protection (CPP) Rule (19.2.24 NMAC).
2. Using the Biological Compliance Resources below, identify any biologically sensitive areas and the avoidance, minimization, or mitigation measures appropriate for such areas.
3. Apply for a Right of Entry (ROE) for Remediation via Commercial Resources Division (CRD) if any part of the remediation occurs off of the active lease; the responsible party is not an authorized operator on the active lease; or if the remediation work is being conducted on an expired lease. A Site Delineation Plan and Reclamation Workplan are required for the ROE application.
4. If the Remediation Closure Report is not submitted within 90 days of discovery of the release, a Site Delineation Plan must be submitted to eco@nmslo.gov for review and approval. If delineation and remediation happen concurrently, a Remediation Workplan must be submitted to eco@nmslo.gov in place of a Site Delineation Plan.
5. Subsequent Workplans and Reports that must be submitted to ECO include:
 - **Remediation Workplan;**
 - **Reclamation Workplan; or**
 - **Combined Remediation and Reclamation Workplan;**
 - **Remediation Closure Report; or**
 - **Combined Remediation Closure Report and Reclamation Activities Report;**
 - **Reclamation Activities Report; and**
 - **Final Reclamation Report**

Instructions on the required content of each Workplan and Report can be found at the following website: <https://www.nmstatelands.org/resources/forms-and-applications/>

SAMPLING NOTIFICATIONS

Written notification of the confirmation sampling event must be submitted to ECO a minimum of two (2) business days before the sampling event, or as directed by ECO. Please submit notifications to eco@nmslo.gov with the subject line as follows: **(Sampling Notification) Company-Location Name (API/Incident #)-Date of Incident.**

LINER INSPECTION NOTIFICATIONS

Written notification of the liner inspection event must be submitted to ECO a minimum of two (2) business days before the inspection event, or as directed by ECO. Please submit notifications to eco@nmslo.gov with the subject line as follows: **(Liner Inspection Notification) Company-Location Name (API/Incident #)-Date of Incident.**

NMSLO RESOURCES

RIGHT OF ENTRY FORMS AND RIGHTS OF WAY FORMS: <https://www.nmstatelands.org/resources/forms-and-applications/>

ECO GUIDANCE DOCUMENTS: Environmental Compliance Office:

<https://www.nmstatelands.org/resources/forms-and-applications/>

LEASE STATUS MAP: <https://mapservice.nmstatelands.org/LandStatus/>

OIL & GAS MANUAL: <https://www.nmstatelands.org/wp-content/uploads/2025/09/Oil-and-Gas-Manual-2026.pdf>

LEASE SEARCH: <https://secure.slo.state.nm.us/Applications/SLOConnect/>

CULTURAL PROPERTIES PROTECTION RULE (19.2.24 NMAC)

A. As soon as possible, when a new release or damage occurs on STL, contact a Cultural Resource Consultant who will:

1. Conduct an Archaeological Records Management System (ARMS) review to determine if any known cultural properties have been previously identified within the remediation area and if the area has been surveyed for cultural resources.
2. Advise as to whether an archaeological monitor should be present during initial containment activities and subsequent remediation efforts.
3. Advise as to whether a full cultural properties survey will be required after containment and before full remediation.

B. A list of cultural resource consultants permitted to conduct work on state lands is maintained here: <https://www.nmhistoricpreservation.org/documents/consultants.html>

C. To learn more about NMSLO's Cultural Properties Protection Rule visit:

<https://www.nmstatelands.org/divisions/cultural-resources-office/culturalproperties/> . The Cultural Resources Office can be contacted by email at croinfo@nmslo.gov or 505-827-5781.

BIOLOGICAL COMPLIANCE & REPORTING

Utilize the resources below to determine if the site activities are occurring in a sensitive or restricted area. ECO recommends consulting with a qualified third-party biologist for evaluation of potential impacts to threatened, endangered, and sensitive wildlife and plant species, environmentally sensitive areas, surface waters, and sensitive soils before conducting site assessment, remediation and reclamation activities.

BIOLOGICAL COMPLIANCE RESOURCES

Critical Habitat Assessment Tool (CHAT): <https://nmchat.org/data-download.html>

New Mexico State Land Office Land Status Map <https://mapservice.nmstatelands.org/LandStatus>

U.S. Fish and Wildlife Services Information for Planning and Consultation:

<https://ipac.ecosphere.fws.gov/>

BISON-M database: <https://bison-m.org/>

New Mexico Department of Game and Fish Environmental Review Tool (ERT):

<https://nmert.org/content/map>

Open Enviro Map Wetlands: <https://gis.web.env.nm.gov/oem/?map=wetlands>

BLM NM Plant Wildlife Habitat GIS Layer:

https://gis.blm.gov/nmarcgis/rest/services/Wildlife/BLM_NM_Plant_Wildlife_Habitat/MapServer

BLM Statewide Spatial Data (<https://gbp-blm-egis.hub.arcgis.com/pages/newmexico>)

Open Enviro Map Wetlands (<https://gis.web.env.nm.gov/oem/?map=wetlands>)

USDA Rangeland Soil Vulnerability Index for Water Erosion Web Tool

<https://nracs.maps.arcgis.com/apps/webappviewer/index.html?id=614d600e9016451ba6249eab3fa0dae7>

Nature Serve Habitat Suitability Models <https://www.natureserve.org/access-data>



Environmental Compliance Office
New Mexico State Land Office



eco@nmslo.gov
nmstatelands.org



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From: Mason Jones <mjones@civiresources.com>

Sent: Friday, April 17, 2026 8:13 AM

To: SLO Spills <ECO@nmslo.gov>

Cc: Arick Tanaka <atanaka@civiresources.com>

Subject: [EXTERNAL] (Initial Incident Report) Civitas Permian - Nailed It B CTB (30-015-53924/nAPP2610660720)-04-16-2026

Good Morning,

Please accept this email as notice of a Major Undesirable Release that occurred Thursday April 16th at the Nailed It B CTB location. The NOR and initial C-141 have been uploaded under incident ID: nAPP2610660720

Date: 04/16/2026 @01:05PM

Location: Nailed It B CTB

State: New Mexico

County: Eddy

Coordinates: 32.002686, -103.842251

Description: SWT pump strainer failed due to corrosion.

Please let me know if you have any questions.

Thank you

Mason Jones

Permian Environmental Coordinator

Cell: 512-635-0129

6301 Holiday Hill Road Unit 201 | Midland, TX | 79707

www.civitasresources.com | NYSE: CIVI

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 577685

QUESTIONS

Operator: Civitas Permian Operating, LLC 555 17th Street Denver, CO 80202	OGRID: 332195
	Action Number: 577685
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2610660720
Incident Name	NAPP2610660720 NAILED IT B CTB @ FAPP2132241365
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved
Incident Facility	[fAPP2132241365] NAILED IT FED COM CTB B

Location of Release Source	
Site Name	NAILED IT B CTB
Date Release Discovered	04/16/2026
Surface Owner	State

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	11,191
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	04/23/2026
Time sampling will commence	09:30 AM
Please provide any information necessary for observers to contact samplers	Gilbert Moreno (832) 541-7719
Please provide any information necessary for navigation to sampling site	32.001694, -103.842026

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

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/oed/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 577685

CONDITIONS

Operator: Civitas Permian Operating, LLC 555 17th Street Denver, CO 80202	OGRID: 332195
	Action Number: 577685
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
mjones01	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	4/21/2026
mjones01	If confirmation sampling is going to take place over multiple days, individual C-141N applications must be submitted for each sampling date. Date ranges are not currently accepted on the C-141N application.	4/21/2026



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

Attn: Gilbert Moreno
Earth Systems Response and Restoration
5114 WCR 128
Midland, Texas 79706
Generated 5/4/2026 4:33:57 PM

JOB DESCRIPTION

Nailed It B
Eddy County, NM

JOB NUMBER

890-9833-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

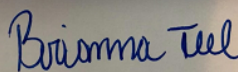
Eurofins Carlsbad

Job Notes

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

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

Authorization



Generated
5/4/2026 4:33:57 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: Nailed It B

Laboratory Job ID: 890-9833-1
SDG: Eddy County, NM

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Definitions/Glossary

Client: Earth Systems Response and Restoration
Project/Site: Nailed It B

Job ID: 890-9833-1
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
*1	LCS/LCSD RPD exceeds control limits.
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
Project: Nailed It B

Job ID: 890-9833-1

Job ID: 890-9833-1

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Job Narrative 890-9833-1

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 4/23/2026 2:53 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 (890-9833-1), HA - 1 (890-9833-2), HA - 2 (890-9833-3), HA - 2 (890-9833-4), HA - 3 (890-9833-5), HA - 3 (890-9833-6), HA - 4 (890-9833-7), HA - 4 (890-9833-8), HA - 5 (890-9833-9), HA - 5 (890-9833-10), HA - 6 (890-9833-11) and HA - 6 (890-9833-12).

GC VOA

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-139505 and analytical batch 880-139714 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision 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 8015B NM: Surrogate recovery for the following sample was outside control limits: (MB 880-138538/1-A). Evidence of matrix interferences is not obvious.

Method 8015B NM: Surrogate recovery for the following sample was outside control limits: (LCSD 880-138538/3-A). Evidence of matrix interferences is not obvious.

Method 8015B NM: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 880-138538 and analytical batch 880-139009 recovered outside control limits for the following analytes: Diesel Range Organics (Over C10-C28).

Method 8015B NM: The continuing calibration verification (CCV) associated with batch 880-139436 recovered above the upper control limit for Gasoline Range Organics (GRO)-C6-C10 and Diesel Range Organics (Over C10-C28). The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is:(CCV 880-139436/140).

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

HPLC/IC

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

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Nailed It B

Job ID: 890-9833-1
SDG: Eddy County, NM

Client Sample ID: HA - 1

Lab Sample ID: 890-9833-1

Date Collected: 04/23/26 10:25

Matrix: Solid

Date Received: 04/23/26 14:53

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 F2 F1	0.00200		mg/Kg		04/30/26 13:35	05/03/26 17:03	1
Toluene	<0.00200	U F2 F1	0.00200		mg/Kg		04/30/26 13:35	05/03/26 17:03	1
Ethylbenzene	<0.00200	U F2 F1	0.00200		mg/Kg		04/30/26 13:35	05/03/26 17:03	1
m-Xylene & p-Xylene	<0.00399	U F2 F1	0.00399		mg/Kg		04/30/26 13:35	05/03/26 17:03	1
o-Xylene	<0.00200	U F2 F1	0.00200		mg/Kg		04/30/26 13:35	05/03/26 17:03	1
Xylenes, Total	<0.00399	U F2 F1	0.00399		mg/Kg		04/30/26 13:35	05/03/26 17:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130	04/30/26 13:35	05/03/26 17:03	1
1,4-Difluorobenzene (Surr)	98		70 - 130	04/30/26 13:35	05/03/26 17:03	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			05/03/26 17:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			05/01/26 02:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		04/24/26 08:39	05/01/26 02:18	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		04/24/26 08:39	05/01/26 02:18	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		04/24/26 08:39	05/01/26 02:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130	04/24/26 08:39	05/01/26 02:18	1
o-Terphenyl	93		70 - 130	04/24/26 08:39	05/01/26 02:18	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	8440		99.2		mg/Kg			04/28/26 23:01	10

Client Sample ID: HA - 1

Lab Sample ID: 890-9833-2

Date Collected: 04/23/26 10:31

Matrix: Solid

Date Received: 04/23/26 14:53

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		04/30/26 13:35	05/03/26 17:24	1
Toluene	<0.00201	U	0.00201		mg/Kg		04/30/26 13:35	05/03/26 17:24	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		04/30/26 13:35	05/03/26 17:24	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		04/30/26 13:35	05/03/26 17:24	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		04/30/26 13:35	05/03/26 17:24	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		04/30/26 13:35	05/03/26 17:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		70 - 130	04/30/26 13:35	05/03/26 17:24	1

Eurofins Carlsbad

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Nailed It B

Job ID: 890-9833-1
SDG: Eddy County, NM

Client Sample ID: HA - 1

Lab Sample ID: 890-9833-2

Date Collected: 04/23/26 10:31

Matrix: Solid

Date Received: 04/23/26 14:53

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	04/30/26 13:35	05/03/26 17:24	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			05/03/26 17:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.2	U	50.2		mg/Kg			05/01/26 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	<50.2	U	50.2		mg/Kg		04/24/26 08:39	05/01/26 02:46	1
Diesel Range Organics (Over C10-C28)	<50.2	U	50.2		mg/Kg		04/24/26 08:39	05/01/26 02:46	1
Oil Range Organics (Over C28-C36)	<50.2	U	50.2		mg/Kg		04/24/26 08:39	05/01/26 02:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 130				04/24/26 08:39	05/01/26 02:46	1
o-Terphenyl	86		70 - 130				04/24/26 08:39	05/01/26 02:46	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	10.7		10.0		mg/Kg			04/28/26 23:06	1

Client Sample ID: HA - 2

Lab Sample ID: 890-9833-3

Date Collected: 04/23/26 10:38

Matrix: Solid

Date Received: 04/23/26 14:53

Sample Depth: 0.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		04/30/26 13:35	05/03/26 17:44	1
Toluene	<0.00202	U	0.00202		mg/Kg		04/30/26 13:35	05/03/26 17:44	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		04/30/26 13:35	05/03/26 17:44	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		04/30/26 13:35	05/03/26 17:44	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		04/30/26 13:35	05/03/26 17:44	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		04/30/26 13:35	05/03/26 17:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130	04/30/26 13:35	05/03/26 17:44	1
1,4-Difluorobenzene (Surr)	97		70 - 130	04/30/26 13:35	05/03/26 17:44	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			05/03/26 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	<50.0	U	50.0		mg/Kg			05/01/26 03:00	1

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Nailed It B

Job ID: 890-9833-1
SDG: Eddy County, NM

Client Sample ID: HA - 2

Lab Sample ID: 890-9833-3

Date Collected: 04/23/26 10:38

Matrix: Solid

Date Received: 04/23/26 14:53

Sample Depth: 0.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/24/26 08:39	05/01/26 03:00	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/24/26 08:39	05/01/26 03:00	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/24/26 08:39	05/01/26 03:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	93		70 - 130				04/24/26 08:39	05/01/26 03:00	1
o-Terphenyl	87		70 - 130				04/24/26 08:39	05/01/26 03:00	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7800		101		mg/Kg			04/28/26 23:20	10

Client Sample ID: HA - 2

Lab Sample ID: 890-9833-4

Date Collected: 04/23/26 10:44

Matrix: Solid

Date Received: 04/23/26 14:53

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		04/30/26 13:35	05/03/26 18:05	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/30/26 13:35	05/03/26 18:05	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/30/26 13:35	05/03/26 18:05	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/30/26 13:35	05/03/26 18:05	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/30/26 13:35	05/03/26 18:05	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/30/26 13:35	05/03/26 18:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130				04/30/26 13:35	05/03/26 18:05	1
1,4-Difluorobenzene (Surr)	97		70 - 130				04/30/26 13:35	05/03/26 18:05	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			05/03/26 18:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			05/01/26 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		04/24/26 08:39	05/01/26 03:15	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/24/26 08:39	05/01/26 03:15	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/24/26 08:39	05/01/26 03:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 130				04/24/26 08:39	05/01/26 03:15	1
o-Terphenyl	90		70 - 130				04/24/26 08:39	05/01/26 03:15	1

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Nailed It B

Job ID: 890-9833-1
SDG: Eddy County, NM

Client Sample ID: HA - 2

Lab Sample ID: 890-9833-4

Date Collected: 04/23/26 10:44

Matrix: Solid

Date Received: 04/23/26 14:53

Sample Depth: 2

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.94	U	9.94		mg/Kg			04/28/26 23:25	1

Client Sample ID: HA - 3

Lab Sample ID: 890-9833-5

Date Collected: 04/23/26 10:51

Matrix: Solid

Date Received: 04/23/26 14:53

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		04/30/26 13:35	05/03/26 18:25	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/30/26 13:35	05/03/26 18:25	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/30/26 13:35	05/03/26 18:25	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		04/30/26 13:35	05/03/26 18:25	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/30/26 13:35	05/03/26 18:25	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		04/30/26 13:35	05/03/26 18:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130				04/30/26 13:35	05/03/26 18:25	1
1,4-Difluorobenzene (Surr)	101		70 - 130				04/30/26 13:35	05/03/26 18:25	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			05/03/26 18:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.2	U	50.2		mg/Kg			05/01/26 03:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.2	U	50.2		mg/Kg		04/24/26 08:39	05/01/26 03:29	1
Diesel Range Organics (Over C10-C28)	<50.2	U	50.2		mg/Kg		04/24/26 08:39	05/01/26 03:29	1
Oil Range Organics (Over C28-C36)	<50.2	U	50.2		mg/Kg		04/24/26 08:39	05/01/26 03:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	92		70 - 130				04/24/26 08:39	05/01/26 03:29	1
o-Terphenyl	87		70 - 130				04/24/26 08:39	05/01/26 03:29	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5670		99.2		mg/Kg			04/28/26 23:30	10

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Nailed It B

Job ID: 890-9833-1
SDG: Eddy County, NM

Client Sample ID: HA - 3

Lab Sample ID: 890-9833-6

Date Collected: 04/23/26 10:57

Matrix: Solid

Date Received: 04/23/26 14:53

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		04/30/26 13:35	05/03/26 18:46	1
Toluene	<0.00201	U	0.00201		mg/Kg		04/30/26 13:35	05/03/26 18:46	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		04/30/26 13:35	05/03/26 18:46	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		04/30/26 13:35	05/03/26 18:46	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		04/30/26 13:35	05/03/26 18:46	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		04/30/26 13:35	05/03/26 18:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130	04/30/26 13:35	05/03/26 18:46	1
1,4-Difluorobenzene (Surr)	88		70 - 130	04/30/26 13:35	05/03/26 18:46	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			05/03/26 18:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			05/01/26 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	<49.8	U	49.8		mg/Kg		04/24/26 08:39	05/01/26 03:45	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		04/24/26 08:39	05/01/26 03:45	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		04/24/26 08:39	05/01/26 03:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 130	04/24/26 08:39	05/01/26 03:45	1
o-Terphenyl	84		70 - 130	04/24/26 08:39	05/01/26 03:45	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.98	U	9.98		mg/Kg			04/28/26 23:35	1

Client Sample ID: HA - 4

Lab Sample ID: 890-9833-7

Date Collected: 04/23/26 10:28

Matrix: Solid

Date Received: 04/23/26 14:53

Sample Depth: 0.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		04/30/26 13:35	05/03/26 19:06	1
Toluene	<0.00202	U	0.00202		mg/Kg		04/30/26 13:35	05/03/26 19:06	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		04/30/26 13:35	05/03/26 19:06	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		04/30/26 13:35	05/03/26 19:06	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		04/30/26 13:35	05/03/26 19:06	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		04/30/26 13:35	05/03/26 19:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130	04/30/26 13:35	05/03/26 19:06	1

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Nailed It B

Job ID: 890-9833-1
SDG: Eddy County, NM

Client Sample ID: HA - 4

Lab Sample ID: 890-9833-7

Date Collected: 04/23/26 10:28

Matrix: Solid

Date Received: 04/23/26 14:53

Sample Depth: 0.5

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	98		70 - 130	04/30/26 13:35	05/03/26 19:06	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			05/03/26 19:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3		mg/Kg			05/01/26 03:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	50.3		mg/Kg		04/24/26 08:39	05/01/26 03:59	1
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3		mg/Kg		04/24/26 08:39	05/01/26 03:59	1
Oil Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		04/24/26 08:39	05/01/26 03:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130				04/24/26 08:39	05/01/26 03:59	1
o-Terphenyl	87		70 - 130				04/24/26 08:39	05/01/26 03:59	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	9760		99.2		mg/Kg			04/28/26 23:40	10

Client Sample ID: HA - 4

Lab Sample ID: 890-9833-8

Date Collected: 04/23/26 10:37

Matrix: Solid

Date Received: 04/23/26 14:53

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		04/30/26 13:35	05/03/26 19:27	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/30/26 13:35	05/03/26 19:27	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/30/26 13:35	05/03/26 19:27	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/30/26 13:35	05/03/26 19:27	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/30/26 13:35	05/03/26 19:27	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/30/26 13:35	05/03/26 19:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		70 - 130	04/30/26 13:35	05/03/26 19:27	1
1,4-Difluorobenzene (Surr)	99		70 - 130	04/30/26 13:35	05/03/26 19:27	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			05/03/26 19:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			05/01/26 04:14	1

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Nailed It B

Job ID: 890-9833-1
SDG: Eddy County, NM

Client Sample ID: HA - 4

Lab Sample ID: 890-9833-8

Date Collected: 04/23/26 10:37

Matrix: Solid

Date Received: 04/23/26 14:53

Sample Depth: 2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		04/24/26 08:39	05/01/26 04:14	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		04/24/26 08:39	05/01/26 04:14	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		04/24/26 08:39	05/01/26 04:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	96		70 - 130				04/24/26 08:39	05/01/26 04:14	1
o-Terphenyl	87		70 - 130				04/24/26 08:39	05/01/26 04:14	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	114		9.94		mg/Kg			04/28/26 23:45	1

Client Sample ID: HA - 5

Lab Sample ID: 890-9833-9

Date Collected: 04/23/26 10:49

Matrix: Solid

Date Received: 04/23/26 14:53

Sample Depth: 0.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		04/30/26 13:35	05/03/26 19:47	1
Toluene	<0.00198	U	0.00198		mg/Kg		04/30/26 13:35	05/03/26 19:47	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		04/30/26 13:35	05/03/26 19:47	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		04/30/26 13:35	05/03/26 19:47	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		04/30/26 13:35	05/03/26 19:47	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		04/30/26 13:35	05/03/26 19:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130				04/30/26 13:35	05/03/26 19:47	1
1,4-Difluorobenzene (Surr)	100		70 - 130				04/30/26 13:35	05/03/26 19:47	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			05/03/26 19:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			05/01/26 04:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/24/26 08:39	05/01/26 04:28	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/24/26 08:39	05/01/26 04:28	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/24/26 08:39	05/01/26 04:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	96		70 - 130				04/24/26 08:39	05/01/26 04:28	1
o-Terphenyl	85		70 - 130				04/24/26 08:39	05/01/26 04:28	1

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Nailed It B

Job ID: 890-9833-1
SDG: Eddy County, NM

Client Sample ID: HA - 5

Lab Sample ID: 890-9833-9

Date Collected: 04/23/26 10:49

Matrix: Solid

Date Received: 04/23/26 14:53

Sample Depth: 0.5

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5920		199		mg/Kg			04/28/26 23:50	20

Client Sample ID: HA - 5

Lab Sample ID: 890-9833-10

Date Collected: 04/23/26 10:53

Matrix: Solid

Date Received: 04/23/26 14:53

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		04/30/26 13:35	05/03/26 20:08	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/30/26 13:35	05/03/26 20:08	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/30/26 13:35	05/03/26 20:08	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/30/26 13:35	05/03/26 20:08	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/30/26 13:35	05/03/26 20:08	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/30/26 13:35	05/03/26 20:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 130				04/30/26 13:35	05/03/26 20:08	1
1,4-Difluorobenzene (Surr)	98		70 - 130				04/30/26 13:35	05/03/26 20:08	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			05/03/26 20:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			05/01/26 04:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		04/24/26 08:39	05/01/26 04:43	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		04/24/26 08:39	05/01/26 04:43	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		04/24/26 08:39	05/01/26 04:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	94		70 - 130				04/24/26 08:39	05/01/26 04:43	1
o-Terphenyl	83		70 - 130				04/24/26 08:39	05/01/26 04:43	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	40.7		9.98		mg/Kg			04/29/26 01:34	1

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Nailed It B

Job ID: 890-9833-1
SDG: Eddy County, NM

Client Sample ID: HA - 6

Lab Sample ID: 890-9833-11

Date Collected: 04/23/26 11:03

Matrix: Solid

Date Received: 04/23/26 14:53

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		04/30/26 13:35	05/03/26 21:41	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/30/26 13:35	05/03/26 21:41	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/30/26 13:35	05/03/26 21:41	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		04/30/26 13:35	05/03/26 21:41	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/30/26 13:35	05/03/26 21:41	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		04/30/26 13:35	05/03/26 21:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130	04/30/26 13:35	05/03/26 21:41	1
1,4-Difluorobenzene (Surr)	89		70 - 130	04/30/26 13:35	05/03/26 21:41	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			05/03/26 21:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			05/01/26 04:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		04/24/26 08:39	05/01/26 04:57	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		04/24/26 08:39	05/01/26 04:57	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		04/24/26 08:39	05/01/26 04:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	91		70 - 130	04/24/26 08:39	05/01/26 04:57	1
o-Terphenyl	88		70 - 130	04/24/26 08:39	05/01/26 04:57	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	12000		199		mg/Kg			04/29/26 01:38	20

Client Sample ID: HA - 6

Lab Sample ID: 890-9833-12

Date Collected: 04/23/26 11:03

Matrix: Solid

Date Received: 04/23/26 14:53

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		04/30/26 13:35	05/03/26 22:01	1
Toluene	<0.00201	U	0.00201		mg/Kg		04/30/26 13:35	05/03/26 22:01	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		04/30/26 13:35	05/03/26 22:01	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		04/30/26 13:35	05/03/26 22:01	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		04/30/26 13:35	05/03/26 22:01	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		04/30/26 13:35	05/03/26 22:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 130	04/30/26 13:35	05/03/26 22:01	1

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Nailed It B

Job ID: 890-9833-1
SDG: Eddy County, NM

Client Sample ID: HA - 6

Lab Sample ID: 890-9833-12

Date Collected: 04/23/26 11:03

Matrix: Solid

Date Received: 04/23/26 14:53

Sample Depth: 2

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	101		70 - 130	04/30/26 13:35	05/03/26 22:01	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			05/03/26 22:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			04/26/26 21:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/21/26 18:35	04/26/26 21:55	1
Diesel Range Organics (Over C10-C28)	<50.0	U *1	50.0		mg/Kg		04/21/26 18:35	04/26/26 21:55	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/21/26 18:35	04/26/26 21:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	104		70 - 130				04/21/26 18:35	04/26/26 21:55	1
o-Terphenyl	100		70 - 130				04/21/26 18:35	04/26/26 21:55	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	38.2		9.92		mg/Kg			04/29/26 01:53	1

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Surrogate Summary

Client: Earth Systems Response and Restoration
Project/Site: Nailed It B

Job ID: 890-9833-1
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)
890-9833-1	HA - 1	100	98
890-9833-1 MS	HA - 1	94	93
890-9833-1 MSD	HA - 1	105	97
890-9833-2	HA - 1	90	99
890-9833-3	HA - 2	95	97
890-9833-4	HA - 2	96	97
890-9833-5	HA - 3	93	101
890-9833-6	HA - 3	112	88
890-9833-7	HA - 4	95	98
890-9833-8	HA - 4	90	99
890-9833-9	HA - 5	93	100
890-9833-10	HA - 5	91	98
890-9833-11	HA - 6	114	89
890-9833-12	HA - 6	91	101
LCS 880-139505/1-A	Lab Control Sample	98	95
LCSD 880-139505/2-A	Lab Control Sample Dup	112	93
MB 880-139503/5-A	Method Blank	108	86
MB 880-139505/5-A	Method Blank	101	95
Surrogate Legend			
BFB = 4-Bromofluorobenzene (Surr)			
DFBZ = 1,4-Difluorobenzene (Surr)			

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
890-9833-1	HA - 1	97	93
890-9833-2	HA - 1	95	86
890-9833-3	HA - 2	93	87
890-9833-4	HA - 2	99	90
890-9833-5	HA - 3	92	87
890-9833-6	HA - 3	95	84
890-9833-7	HA - 4	97	87
890-9833-8	HA - 4	96	87
890-9833-9	HA - 5	96	85
890-9833-10	HA - 5	94	83
890-9833-11	HA - 6	91	88
890-9833-12	HA - 6	104	100
LCS 880-138538/2-A	Lab Control Sample	96	90
LCS 880-138835/2-A	Lab Control Sample	94	89
LCSD 880-138538/3-A	Lab Control Sample Dup	78	67 S1-
LCSD 880-138835/3-A	Lab Control Sample Dup	112	90
MB 880-138538/1-A	Method Blank	61 S1-	65 S1-
MB 880-138835/1-A	Method Blank	90	81
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

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QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Nailed It B

Job ID: 890-9833-1
SDG: Eddy County, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-139503/5-A

Matrix: Solid

Analysis Batch: 139714

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 139503

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/30/26 13:27	05/03/26 05:45	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/30/26 13:27	05/03/26 05:45	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/30/26 13:27	05/03/26 05:45	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/30/26 13:27	05/03/26 05:45	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/30/26 13:27	05/03/26 05:45	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/30/26 13:27	05/03/26 05:45	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130	04/30/26 13:27	05/03/26 05:45	1
1,4-Difluorobenzene (Surr)	86		70 - 130	04/30/26 13:27	05/03/26 05:45	1

Lab Sample ID: MB 880-139505/5-A

Matrix: Solid

Analysis Batch: 139714

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 139505

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/30/26 13:35	05/03/26 16:42	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/30/26 13:35	05/03/26 16:42	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/30/26 13:35	05/03/26 16:42	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/30/26 13:35	05/03/26 16:42	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/30/26 13:35	05/03/26 16:42	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/30/26 13:35	05/03/26 16:42	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130	04/30/26 13:35	05/03/26 16:42	1
1,4-Difluorobenzene (Surr)	95		70 - 130	04/30/26 13:35	05/03/26 16:42	1

Lab Sample ID: LCS 880-139505/1-A

Matrix: Solid

Analysis Batch: 139714

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 139505

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.08493		mg/Kg		85	70 - 130
Toluene	0.100	0.08778		mg/Kg		88	70 - 130
Ethylbenzene	0.100	0.09253		mg/Kg		93	70 - 130
m-Xylene & p-Xylene	0.200	0.1868		mg/Kg		93	70 - 130
o-Xylene	0.100	0.09324		mg/Kg		93	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	98		70 - 130
1,4-Difluorobenzene (Surr)	95		70 - 130

Lab Sample ID: LCSD 880-139505/2-A

Matrix: Solid

Analysis Batch: 139714

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 139505

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.08273		mg/Kg		83	70 - 130	3	35

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QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Nailed It B

Job ID: 890-9833-1
SDG: Eddy County, NM

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

Lab Sample ID: LCSD 880-139505/2-A

Matrix: Solid

Analysis Batch: 139714

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 139505

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toluene	0.100	0.09710		mg/Kg		97	70 - 130	10	35
Ethylbenzene	0.100	0.1095		mg/Kg		109	70 - 130	17	35
m-Xylene & p-Xylene	0.200	0.2305		mg/Kg		115	70 - 130	21	35
o-Xylene	0.100	0.1147		mg/Kg		115	70 - 130	21	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	112		70 - 130
1,4-Difluorobenzene (Surr)	93		70 - 130

Lab Sample ID: 890-9833-1 MS

Matrix: Solid

Analysis Batch: 139714

Client Sample ID: HA - 1

Prep Type: Total/NA

Prep Batch: 139505

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U F2 F1	0.100	0.04389	F1	mg/Kg		44	70 - 130
Toluene	<0.00200	U F2 F1	0.100	0.04603	F1	mg/Kg		46	70 - 130
Ethylbenzene	<0.00200	U F2 F1	0.100	0.05257	F1	mg/Kg		53	70 - 130
m-Xylene & p-Xylene	<0.00399	U F2 F1	0.200	0.09600	F1	mg/Kg		48	70 - 130
o-Xylene	<0.00200	U F2 F1	0.100	0.04927	F1	mg/Kg		49	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	94		70 - 130
1,4-Difluorobenzene (Surr)	93		70 - 130

Lab Sample ID: 890-9833-1 MSD

Matrix: Solid

Analysis Batch: 139714

Client Sample ID: HA - 1

Prep Type: Total/NA

Prep Batch: 139505

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U F2 F1	0.100	0.07691	F2	mg/Kg		77	70 - 130	55	35
Toluene	<0.00200	U F2 F1	0.100	0.08301	F2	mg/Kg		83	70 - 130	57	35
Ethylbenzene	<0.00200	U F2 F1	0.100	0.09110	F2	mg/Kg		91	70 - 130	54	35
m-Xylene & p-Xylene	<0.00399	U F2 F1	0.200	0.1954	F2	mg/Kg		98	70 - 130	68	35
o-Xylene	<0.00200	U F2 F1	0.100	0.09583	F2	mg/Kg		96	70 - 130	64	35

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

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

Lab Sample ID: MB 880-138538/1-A

Matrix: Solid

Analysis Batch: 139009

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 138538

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		04/21/26 18:35	04/26/26 11:44	1

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QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Nailed It B

Job ID: 890-9833-1
SDG: Eddy County, NM

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

Lab Sample ID: MB 880-138538/1-A

Matrix: Solid

Analysis Batch: 139009

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 138538

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		04/21/26 18:35	04/26/26 11:44	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/21/26 18:35	04/26/26 11:44	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	61	S1-	70 - 130				04/21/26 18:35	04/26/26 11:44	1
o-Terphenyl	65	S1-	70 - 130				04/21/26 18:35	04/26/26 11:44	1

Lab Sample ID: LCS 880-138538/2-A

Matrix: Solid

Analysis Batch: 139009

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 138538

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1051		mg/Kg		105	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1055		mg/Kg		106	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
1-Chlorooctane	96		70 - 130				
o-Terphenyl	90		70 - 130				

Lab Sample ID: LCSD 880-138538/3-A

Matrix: Solid

Analysis Batch: 139009

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 138538

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1114		mg/Kg		111	70 - 130	6	20
Diesel Range Organics (Over C10-C28)	1000	806.7	*1	mg/Kg		81	70 - 130	27	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane	78		70 - 130						
o-Terphenyl	67	S1-	70 - 130						

Lab Sample ID: MB 880-138835/1-A

Matrix: Solid

Analysis Batch: 139436

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 138835

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		04/24/26 08:39	04/30/26 22:57	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/24/26 08:39	04/30/26 22:57	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/24/26 08:39	04/30/26 22:57	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	90		70 - 130				04/24/26 08:39	04/30/26 22:57	1

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QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Nailed It B

Job ID: 890-9833-1
SDG: Eddy County, NM

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

Lab Sample ID: MB 880-138835/1-A

Matrix: Solid

Analysis Batch: 139436

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 138835

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
<i>o</i> -Terphenyl	81		70 - 130	04/24/26 08:39	04/30/26 22:57	1

Lab Sample ID: LCS 880-138835/2-A

Matrix: Solid

Analysis Batch: 139436

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 138835

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1037		mg/Kg		104	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1046		mg/Kg		105	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	94		70 - 130
<i>o</i> -Terphenyl	89		70 - 130

Lab Sample ID: LCSD 880-138835/3-A

Matrix: Solid

Analysis Batch: 139436

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 138835

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1134		mg/Kg		113	70 - 130	9	20
Diesel Range Organics (Over C10-C28)	1000	1086		mg/Kg		109	70 - 130	4	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	112		70 - 130
<i>o</i> -Terphenyl	90		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-138908/1-A

Matrix: Solid

Analysis Batch: 139253

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			04/28/26 21:22	1

Lab Sample ID: LCS 880-138908/2-A

Matrix: Solid

Analysis Batch: 139253

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	237.1		mg/Kg		95	90 - 110

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QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Nailed It B

Job ID: 890-9833-1
SDG: Eddy County, NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCSD 880-138908/3-A

Matrix: Solid

Analysis Batch: 139253

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	235.0		mg/Kg		94	90 - 110	1	20

Lab Sample ID: MB 880-139019/1-A

Matrix: Solid

Analysis Batch: 139256

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			04/29/26 00:15	1

Lab Sample ID: LCS 880-139019/2-A

Matrix: Solid

Analysis Batch: 139256

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	250	243.1		mg/Kg		97	90 - 110		

Lab Sample ID: LCSD 880-139019/3-A

Matrix: Solid

Analysis Batch: 139256

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	238.2		mg/Kg		95	90 - 110	2	20

Lab Sample ID: 890-9833-11 MS

Matrix: Solid

Analysis Batch: 139256

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	12000		4970	16840		mg/Kg		98	90 - 110		

Lab Sample ID: 890-9833-11 MSD

Matrix: Solid

Analysis Batch: 139256

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	12000		4970	16730		mg/Kg		96	90 - 110	1	20

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QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Nailed It B

Job ID: 890-9833-1
SDG: Eddy County, NM

GC VOA

Prep Batch: 139503

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-139503/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 139505

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9833-1	HA - 1	Total/NA	Solid	5035	
890-9833-2	HA - 1	Total/NA	Solid	5035	
890-9833-3	HA - 2	Total/NA	Solid	5035	
890-9833-4	HA - 2	Total/NA	Solid	5035	
890-9833-5	HA - 3	Total/NA	Solid	5035	
890-9833-6	HA - 3	Total/NA	Solid	5035	
890-9833-7	HA - 4	Total/NA	Solid	5035	
890-9833-8	HA - 4	Total/NA	Solid	5035	
890-9833-9	HA - 5	Total/NA	Solid	5035	
890-9833-10	HA - 5	Total/NA	Solid	5035	
890-9833-11	HA - 6	Total/NA	Solid	5035	
890-9833-12	HA - 6	Total/NA	Solid	5035	
MB 880-139505/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-139505/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-139505/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-9833-1 MS	HA - 1	Total/NA	Solid	5035	
890-9833-1 MSD	HA - 1	Total/NA	Solid	5035	

Analysis Batch: 139714

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9833-1	HA - 1	Total/NA	Solid	8021B	139505
890-9833-2	HA - 1	Total/NA	Solid	8021B	139505
890-9833-3	HA - 2	Total/NA	Solid	8021B	139505
890-9833-4	HA - 2	Total/NA	Solid	8021B	139505
890-9833-5	HA - 3	Total/NA	Solid	8021B	139505
890-9833-6	HA - 3	Total/NA	Solid	8021B	139505
890-9833-7	HA - 4	Total/NA	Solid	8021B	139505
890-9833-8	HA - 4	Total/NA	Solid	8021B	139505
890-9833-9	HA - 5	Total/NA	Solid	8021B	139505
890-9833-10	HA - 5	Total/NA	Solid	8021B	139505
890-9833-11	HA - 6	Total/NA	Solid	8021B	139505
890-9833-12	HA - 6	Total/NA	Solid	8021B	139505
MB 880-139503/5-A	Method Blank	Total/NA	Solid	8021B	139503
MB 880-139505/5-A	Method Blank	Total/NA	Solid	8021B	139505
LCS 880-139505/1-A	Lab Control Sample	Total/NA	Solid	8021B	139505
LCSD 880-139505/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	139505
890-9833-1 MS	HA - 1	Total/NA	Solid	8021B	139505
890-9833-1 MSD	HA - 1	Total/NA	Solid	8021B	139505

Analysis Batch: 139860

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9833-1	HA - 1	Total/NA	Solid	Total BTEX	
890-9833-2	HA - 1	Total/NA	Solid	Total BTEX	
890-9833-3	HA - 2	Total/NA	Solid	Total BTEX	
890-9833-4	HA - 2	Total/NA	Solid	Total BTEX	
890-9833-5	HA - 3	Total/NA	Solid	Total BTEX	
890-9833-6	HA - 3	Total/NA	Solid	Total BTEX	

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QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Nailed It B

Job ID: 890-9833-1
SDG: Eddy County, NM

GC VOA (Continued)

Analysis Batch: 139860 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9833-7	HA - 4	Total/NA	Solid	Total BTEX	
890-9833-8	HA - 4	Total/NA	Solid	Total BTEX	
890-9833-9	HA - 5	Total/NA	Solid	Total BTEX	
890-9833-10	HA - 5	Total/NA	Solid	Total BTEX	
890-9833-11	HA - 6	Total/NA	Solid	Total BTEX	
890-9833-12	HA - 6	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 138538

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9833-12	HA - 6	Total/NA	Solid	8015NM Prep	
MB 880-138538/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-138538/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-138538/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Prep Batch: 138835

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9833-1	HA - 1	Total/NA	Solid	8015NM Prep	
890-9833-2	HA - 1	Total/NA	Solid	8015NM Prep	
890-9833-3	HA - 2	Total/NA	Solid	8015NM Prep	
890-9833-4	HA - 2	Total/NA	Solid	8015NM Prep	
890-9833-5	HA - 3	Total/NA	Solid	8015NM Prep	
890-9833-6	HA - 3	Total/NA	Solid	8015NM Prep	
890-9833-7	HA - 4	Total/NA	Solid	8015NM Prep	
890-9833-8	HA - 4	Total/NA	Solid	8015NM Prep	
890-9833-9	HA - 5	Total/NA	Solid	8015NM Prep	
890-9833-10	HA - 5	Total/NA	Solid	8015NM Prep	
890-9833-11	HA - 6	Total/NA	Solid	8015NM Prep	
MB 880-138835/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-138835/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-138835/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 139009

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9833-12	HA - 6	Total/NA	Solid	8015B NM	138538
MB 880-138538/1-A	Method Blank	Total/NA	Solid	8015B NM	138538
LCS 880-138538/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	138538
LCSD 880-138538/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	138538

Analysis Batch: 139192

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9833-1	HA - 1	Total/NA	Solid	8015 NM	
890-9833-2	HA - 1	Total/NA	Solid	8015 NM	
890-9833-3	HA - 2	Total/NA	Solid	8015 NM	
890-9833-4	HA - 2	Total/NA	Solid	8015 NM	
890-9833-5	HA - 3	Total/NA	Solid	8015 NM	
890-9833-6	HA - 3	Total/NA	Solid	8015 NM	
890-9833-7	HA - 4	Total/NA	Solid	8015 NM	
890-9833-8	HA - 4	Total/NA	Solid	8015 NM	
890-9833-9	HA - 5	Total/NA	Solid	8015 NM	

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QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Nailed It B

Job ID: 890-9833-1
SDG: Eddy County, NM

GC Semi VOA (Continued)

Analysis Batch: 139192 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9833-10	HA - 5	Total/NA	Solid	8015 NM	
890-9833-11	HA - 6	Total/NA	Solid	8015 NM	
890-9833-12	HA - 6	Total/NA	Solid	8015 NM	

Analysis Batch: 139436

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9833-1	HA - 1	Total/NA	Solid	8015B NM	138835
890-9833-2	HA - 1	Total/NA	Solid	8015B NM	138835
890-9833-3	HA - 2	Total/NA	Solid	8015B NM	138835
890-9833-4	HA - 2	Total/NA	Solid	8015B NM	138835
890-9833-5	HA - 3	Total/NA	Solid	8015B NM	138835
890-9833-6	HA - 3	Total/NA	Solid	8015B NM	138835
890-9833-7	HA - 4	Total/NA	Solid	8015B NM	138835
890-9833-8	HA - 4	Total/NA	Solid	8015B NM	138835
890-9833-9	HA - 5	Total/NA	Solid	8015B NM	138835
890-9833-10	HA - 5	Total/NA	Solid	8015B NM	138835
890-9833-11	HA - 6	Total/NA	Solid	8015B NM	138835
MB 880-138835/1-A	Method Blank	Total/NA	Solid	8015B NM	138835
LCS 880-138835/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	138835
LCSD 880-138835/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	138835

HPLC/IC

Leach Batch: 138908

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9833-1	HA - 1	Soluble	Solid	DI Leach	
890-9833-2	HA - 1	Soluble	Solid	DI Leach	
890-9833-3	HA - 2	Soluble	Solid	DI Leach	
890-9833-4	HA - 2	Soluble	Solid	DI Leach	
890-9833-5	HA - 3	Soluble	Solid	DI Leach	
890-9833-6	HA - 3	Soluble	Solid	DI Leach	
890-9833-7	HA - 4	Soluble	Solid	DI Leach	
890-9833-8	HA - 4	Soluble	Solid	DI Leach	
890-9833-9	HA - 5	Soluble	Solid	DI Leach	
MB 880-138908/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-138908/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-138908/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Leach Batch: 139019

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9833-10	HA - 5	Soluble	Solid	DI Leach	
890-9833-11	HA - 6	Soluble	Solid	DI Leach	
890-9833-12	HA - 6	Soluble	Solid	DI Leach	
MB 880-139019/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-139019/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-139019/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-9833-11 MS	HA - 6	Soluble	Solid	DI Leach	
890-9833-11 MSD	HA - 6	Soluble	Solid	DI Leach	

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QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Nailed It B

Job ID: 890-9833-1
SDG: Eddy County, NM

HPLC/IC

Analysis Batch: 139253

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9833-1	HA - 1	Soluble	Solid	300.0	138908
890-9833-2	HA - 1	Soluble	Solid	300.0	138908
890-9833-3	HA - 2	Soluble	Solid	300.0	138908
890-9833-4	HA - 2	Soluble	Solid	300.0	138908
890-9833-5	HA - 3	Soluble	Solid	300.0	138908
890-9833-6	HA - 3	Soluble	Solid	300.0	138908
890-9833-7	HA - 4	Soluble	Solid	300.0	138908
890-9833-8	HA - 4	Soluble	Solid	300.0	138908
890-9833-9	HA - 5	Soluble	Solid	300.0	138908
MB 880-138908/1-A	Method Blank	Soluble	Solid	300.0	138908
LCS 880-138908/2-A	Lab Control Sample	Soluble	Solid	300.0	138908
LCSD 880-138908/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	138908

Analysis Batch: 139256

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9833-10	HA - 5	Soluble	Solid	300.0	139019
890-9833-11	HA - 6	Soluble	Solid	300.0	139019
890-9833-12	HA - 6	Soluble	Solid	300.0	139019
MB 880-139019/1-A	Method Blank	Soluble	Solid	300.0	139019
LCS 880-139019/2-A	Lab Control Sample	Soluble	Solid	300.0	139019
LCSD 880-139019/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	139019
890-9833-11 MS	HA - 6	Soluble	Solid	300.0	139019
890-9833-11 MSD	HA - 6	Soluble	Solid	300.0	139019

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Nailed It B

Job ID: 890-9833-1
SDG: Eddy County, NM

Client Sample ID: HA - 1

Lab Sample ID: 890-9833-1

Date Collected: 04/23/26 10:25

Matrix: Solid

Date Received: 04/23/26 14:53

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	139505	04/30/26 13:35	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	139714	05/03/26 17:03	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			139860	05/03/26 17:03	SA	EET MID
Total/NA	Analysis	8015 NM		1			139192	05/01/26 02:18	SA	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10.00 mL	138835	04/24/26 08:39	JN	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	139436	05/01/26 02:18	AJ	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	138908	04/24/26 13:52	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	139253	04/28/26 23:01	CS	EET MID

Client Sample ID: HA - 1

Lab Sample ID: 890-9833-2

Date Collected: 04/23/26 10:31

Matrix: Solid

Date Received: 04/23/26 14:53

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	139505	04/30/26 13:35	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	139714	05/03/26 17:24	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			139860	05/03/26 17:24	SA	EET MID
Total/NA	Analysis	8015 NM		1			139192	05/01/26 02:46	SA	EET MID
Total/NA	Prep	8015NM Prep			9.96 g	10.00 mL	138835	04/24/26 08:39	JN	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	139436	05/01/26 02:46	AJ	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	138908	04/24/26 13:52	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	139253	04/28/26 23:06	CS	EET MID

Client Sample ID: HA - 2

Lab Sample ID: 890-9833-3

Date Collected: 04/23/26 10:38

Matrix: Solid

Date Received: 04/23/26 14:53

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	139505	04/30/26 13:35	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	139714	05/03/26 17:44	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			139860	05/03/26 17:44	SA	EET MID
Total/NA	Analysis	8015 NM		1			139192	05/01/26 03:00	SA	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10.00 mL	138835	04/24/26 08:39	JN	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	139436	05/01/26 03:00	AJ	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	138908	04/24/26 13:52	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	139253	04/28/26 23:20	CS	EET MID

Client Sample ID: HA - 2

Lab Sample ID: 890-9833-4

Date Collected: 04/23/26 10:44

Matrix: Solid

Date Received: 04/23/26 14:53

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	139505	04/30/26 13:35	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	139714	05/03/26 18:05	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			139860	05/03/26 18:05	SA	EET MID

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Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Nailed It B

Job ID: 890-9833-1
SDG: Eddy County, NM

Client Sample ID: HA - 2

Lab Sample ID: 890-9833-4

Date Collected: 04/23/26 10:44

Matrix: Solid

Date Received: 04/23/26 14:53

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			139192	05/01/26 03:15	SA	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10.00 mL	138835	04/24/26 08:39	JN	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	139436	05/01/26 03:15	AJ	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	138908	04/24/26 13:52	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	139253	04/28/26 23:25	CS	EET MID

Client Sample ID: HA - 3

Lab Sample ID: 890-9833-5

Date Collected: 04/23/26 10:51

Matrix: Solid

Date Received: 04/23/26 14:53

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	139505	04/30/26 13:35	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	139714	05/03/26 18:25	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			139860	05/03/26 18:25	SA	EET MID
Total/NA	Analysis	8015 NM		1			139192	05/01/26 03:29	SA	EET MID
Total/NA	Prep	8015NM Prep			9.96 g	10.00 mL	138835	04/24/26 08:39	JN	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	139436	05/01/26 03:29	AJ	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	138908	04/24/26 13:52	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	139253	04/28/26 23:30	CS	EET MID

Client Sample ID: HA - 3

Lab Sample ID: 890-9833-6

Date Collected: 04/23/26 10:57

Matrix: Solid

Date Received: 04/23/26 14:53

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	139505	04/30/26 13:35	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	139714	05/03/26 18:46	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			139860	05/03/26 18:46	SA	EET MID
Total/NA	Analysis	8015 NM		1			139192	05/01/26 03:45	SA	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10.00 mL	138835	04/24/26 08:39	JN	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	139436	05/01/26 03:45	AJ	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	138908	04/24/26 13:52	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	139253	04/28/26 23:35	CS	EET MID

Client Sample ID: HA - 4

Lab Sample ID: 890-9833-7

Date Collected: 04/23/26 10:28

Matrix: Solid

Date Received: 04/23/26 14:53

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	139505	04/30/26 13:35	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	139714	05/03/26 19:06	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			139860	05/03/26 19:06	SA	EET MID
Total/NA	Analysis	8015 NM		1			139192	05/01/26 03:59	SA	EET MID
Total/NA	Prep	8015NM Prep			9.94 g	10.00 mL	138835	04/24/26 08:39	JN	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	139436	05/01/26 03:59	AJ	EET MID

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Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Nailed It B

Job ID: 890-9833-1
SDG: Eddy County, NM

Client Sample ID: HA - 4

Lab Sample ID: 890-9833-7

Date Collected: 04/23/26 10:28

Matrix: Solid

Date Received: 04/23/26 14:53

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.04 g	50 mL	138908	04/24/26 13:52	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	139253	04/28/26 23:40	CS	EET MID

Client Sample ID: HA - 4

Lab Sample ID: 890-9833-8

Date Collected: 04/23/26 10:37

Matrix: Solid

Date Received: 04/23/26 14:53

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	139505	04/30/26 13:35	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	139714	05/03/26 19:27	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			139860	05/03/26 19:27	SA	EET MID
Total/NA	Analysis	8015 NM		1			139192	05/01/26 04:14	SA	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10.00 mL	138835	04/24/26 08:39	JN	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	139436	05/01/26 04:14	AJ	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	138908	04/24/26 13:52	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	139253	04/28/26 23:45	CS	EET MID

Client Sample ID: HA - 5

Lab Sample ID: 890-9833-9

Date Collected: 04/23/26 10:49

Matrix: Solid

Date Received: 04/23/26 14:53

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	139505	04/30/26 13:35	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	139714	05/03/26 19:47	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			139860	05/03/26 19:47	SA	EET MID
Total/NA	Analysis	8015 NM		1			139192	05/01/26 04:28	SA	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10.00 mL	138835	04/24/26 08:39	JN	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	139436	05/01/26 04:28	AJ	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	138908	04/24/26 13:52	SA	EET MID
Soluble	Analysis	300.0		20	50 mL	50 mL	139253	04/28/26 23:50	CS	EET MID

Client Sample ID: HA - 5

Lab Sample ID: 890-9833-10

Date Collected: 04/23/26 10:53

Matrix: Solid

Date Received: 04/23/26 14:53

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	139505	04/30/26 13:35	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	139714	05/03/26 20:08	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			139860	05/03/26 20:08	SA	EET MID
Total/NA	Analysis	8015 NM		1			139192	05/01/26 04:43	SA	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10.00 mL	138835	04/24/26 08:39	JN	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	139436	05/01/26 04:43	AJ	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	139019	04/27/26 07:58	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	139256	04/29/26 01:34	CS	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Nailed It B

Job ID: 890-9833-1
SDG: Eddy County, NM

Client Sample ID: HA - 6

Lab Sample ID: 890-9833-11

Date Collected: 04/23/26 11:03

Matrix: Solid

Date Received: 04/23/26 14:53

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	139505	04/30/26 13:35	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	139714	05/03/26 21:41	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			139860	05/03/26 21:41	SA	EET MID
Total/NA	Analysis	8015 NM		1			139192	05/01/26 04:57	SA	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10.00 mL	138835	04/24/26 08:39	JN	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	139436	05/01/26 04:57	AJ	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	139019	04/27/26 07:58	SA	EET MID
Soluble	Analysis	300.0		20	50 mL	50 mL	139256	04/29/26 01:38	CS	EET MID

Client Sample ID: HA - 6

Lab Sample ID: 890-9833-12

Date Collected: 04/23/26 11:03

Matrix: Solid

Date Received: 04/23/26 14:53

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	139505	04/30/26 13:35	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	139714	05/03/26 22:01	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			139860	05/03/26 22:01	SA	EET MID
Total/NA	Analysis	8015 NM		1			139192	04/26/26 21:55	SA	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10.00 mL	138538	04/21/26 18:35	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	139009	04/26/26 21:55	FC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	139019	04/27/26 07:58	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	139256	04/29/26 01:53	CS	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Earth Systems Response and Restoration
Project/Site: Nailed It B

Job ID: 890-9833-1
SDG: Eddy County, NM

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-26
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: Earth Systems Response and Restoration
Project/Site: Nailed It B

Job ID: 890-9833-1
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: Nailed It B

Job ID: 890-9833-1
SDG: Eddy County, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-9833-1	HA - 1	Solid	04/23/26 10:25	04/23/26 14:53	0.5
890-9833-2	HA - 1	Solid	04/23/26 10:31	04/23/26 14:53	2
890-9833-3	HA - 2	Solid	04/23/26 10:38	04/23/26 14:53	0.5
890-9833-4	HA - 2	Solid	04/23/26 10:44	04/23/26 14:53	2
890-9833-5	HA - 3	Solid	04/23/26 10:51	04/23/26 14:53	0.5
890-9833-6	HA - 3	Solid	04/23/26 10:57	04/23/26 14:53	2
890-9833-7	HA - 4	Solid	04/23/26 10:28	04/23/26 14:53	0.5
890-9833-8	HA - 4	Solid	04/23/26 10:37	04/23/26 14:53	2
890-9833-9	HA - 5	Solid	04/23/26 10:49	04/23/26 14:53	0.5
890-9833-10	HA - 5	Solid	04/23/26 10:53	04/23/26 14:53	2
890-9833-11	HA - 6	Solid	04/23/26 11:03	04/23/26 14:53	0.5
890-9833-12	HA - 6	Solid	04/23/26 11:03	04/23/26 14:53	2

Eurofins Carlsbad

Chain of Custody

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

Environment Testing
Xenco



Work Order No:

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Work Order Comments

Program: ☐ PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐

State of Project:

Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐

Deliverables: EDD ☐ ADAPT ☐ Other:

Project Manager: Gilbert Moreno

Company Name: Earth Systems R&R

Address: 1910 Resource Ct.

City, State ZIP: Carlsbad, NM, 88220

Phone: 832-541-7719

Bill to: (if different) Earth Systems R & R

Company Name:

Address:

City, State ZIP:

Email: gmoreno@earthsys.net, sgiron@earthsys.net

Project Name: Nailed It B

Project Number: 9699

Project Location: Eddy County, NM

Sampler's Name: Santiago Giron, Michael Benini

CC/ WO #:

SAMPLE RECEIPT

Samples Received Intact: ☒ Yes ☐ No

Cooler Custody Seals: ☒ Yes ☐ No

Sample Custody Seals: ☒ Yes ☐ No

Total Containers: ☒ Yes ☐ No

Turn Around

☒ Routine ☐ Rush

Due Date: Routine TAT

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

Temp Blank: ☒ Yes ☐ No

Thermometer ID: ☒ In use

Correction Factor: -0.2

Temperature Reading: 0

Corrected Temperature: -0.2

Parameters

Pres. Code

ANA

Preservative Codes

DI Water: H₂O

MeOH: Me

HNO₃: HN

NaOH: Na

PO₄: HP

NaHSO₄: NABIS

Na₂S₂O₃: NaSO₃

Zn Acetate+NaOH: Zn

NaOH+Ascorbic Acid: SAPC

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/Comp	# of Cont	TPH-NM	Chloride-NM	BTEX-NM	TDS	Cation/ Anion	TCLP-Metals	TCLP-BTEX	TCLP-RCI	Sample Comments	Incident Number
HA - 1	S	4.23.26	10:25	0.5	Grab/	1	X	X	X							
HA - 1	S	4.23.26	10:31	2	Grab/	1	X	X	X							nAPP2610660720
HA - 2	S	4.23.26	10:38	0.5	Grab/	1	X	X	X							
HA - 2	S	4.23.26	10:44	2	Grab/	1	X	X	X							
HA - 3	S	4.23.26	10:51	0.5	Grab/	1	X	X	X							
HA - 3	S	4.23.26	10:57	2	Grab/	1	X	X	X							
HA - 4	S	4.23.26	10:28	0.5	Grab/	1	X	X	X							
HA - 4	S	4.23.26	10:37	2	Grab/	1	X	X	X							
HA - 5	S	4.23.26	10:49	0.5	Grab/	1	X	X	X							
HA - 5	S	4.23.26	10:53	2	Grab/	1	X	X	X							

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

Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U Hg: 1631 / 245.1 / 7470 / 7471

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

Relinquished by: (Signature) *Santiago Giron* **Received by: (Signature)** *Michael Benini* **Date/Time** 4/23/2023 14:33

Relinquished by: (Signature) *Michael Benini* **Received by: (Signature)** *Santiago Giron* **Date/Time** 4/23/2023 14:33

Relinquished by: (Signature) *Santiago Giron* **Received by: (Signature)** *Michael Benini* **Date/Time** 4/23/2023 14:33

Revised Date: 08/25/2020 Rev. 2020.2

Chain of Custody

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

Work Order No:

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

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

Project Name:		Nailed It B		Turn Around		Pres. Code	ANALYSIS REQUEST										Preservative Codes	
Project Number:		9899		☒ Routine ☐ Rush Due Date: Routine TAT														
Project Location:		Eddy County, NM															None: NO DI Water: H ₂ O	
Sampler's Name:		Santiago Giron, Michael Benini															Cool: Cool MeOH: Me	
CC/ IWO #:																	HCL: HC HNO ₃ : HN	
SAMPLE RECEIPT		Temp Blank:		Yes	No	Wet Ice:		Yes	No								H ₂ SO ₄ : H ₂ NaOH: Na	
Samples Received Intact:		Yes		No		Thermometer ID:		<i>11mm</i>									H ₃ PO ₄ : HP	
Cooler Custody Seals:		Yes		No	<i>N/A</i>	Correction Factor:		<i>-0.2</i>									NaHSO ₄ : NABIS	
Sample Custody Seals:		Yes		No	<i>N/A</i>	Temperature Reading:		<i>0</i>									Na ₂ S ₂ O ₃ : NaSO ₃	
Total Containers:						Corrected Temperature:		<i>-0.2</i>									Zn Acetate+NaOH: Zn	
																	NaOH+ Ascorbic Acid: SAPC	

[illegible]

	Total	200.7 / 6010	200.8 / 6020:	
8RCRA 13PPM Texas 11	Al	Sb	As	Ba
	Be	B	Ca	Cr
	Co	Cu	Fe	Pb
	Mg	Mn	Mo	Ni
	K	Se	Ag	SiO ₂
	Na	Sr	Ti	Sn
	U	V	Zn	
Circle Method(s) and Metal(s) to be analyzed				
TCLP / SPLP 6010:	8RCRA	Sb	As	Ba
	Be	B	Ca	Cr
	Co	Cu	Pb	Mn
	Mo	Ni	Se	Ag
	Ti	U		
	Hg:	1631 / 245.1	17470 / 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 forced unless previously negotiated. These terms will be forced unless previously negotiated.

[illegible]

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



Environment Testing

Client Information (Sub Contract Lab)		Sampler:	Lab Pk:		Carrier Tracking Note(s):		COC No:		
Client Contact:		N/A	Teel, Brianna		N/A		890-6847-1		
Shipping/Receiving:		Phone:	E-Mail:		State of Origin:		Page:		
Eurofins Environment Testing South Cent		N/A	Brianna.Teel@eurofins.com		New Mexico		Page 1 of 2		
Address:		Due Date Requested:	Accreditations Required (See note):		Job #:		Preservation Codes:		
1211 W. Florida Ave.		4/29/2026	NELAP - Texas		890-9833-1				
City:	Midland	TAT Requested (days):	Analysis Requested						
State, Zip:	TX, 79701	N/A							
Phone:	432-704-5440(Tel)	PO #:							
Email:	N/A	WO #:							
Project Name:	NAILED IT B	Project #:							
Site:	N/A	SSOW#:							
		N/A							
Sample Identification - Client ID (Lab ID)		Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (M=Water, S=solid, O=Other, A=Asb)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	Total Number of Containers	Special Instructions/Note:
HA - 1 (890-9833-1)		4/23/26	10:25 Mountain	G	Solid	X	X	X	
HA - 1 (890-9833-2)		4/23/26	10:31 Mountain	G	Solid	X	X	X	
HA - 2 (890-9833-3)		4/23/26	10:38 Mountain	G	Solid	X	X	X	
HA - 2 (890-9833-4)		4/23/26	10:44 Mountain	G	Solid	X	X	X	
HA - 3 (890-9833-5)		4/23/26	10:51 Mountain	G	Solid	X	X	X	
HA - 3 (890-9833-6)		4/23/26	10:57 Mountain	G	Solid	X	X	X	
HA - 4 (890-9833-7)		4/23/26	10:28 Mountain	G	Solid	X	X	X	
HA - 4 (890-9833-8)		4/23/26	10:37 Mountain	G	Solid	X	X	X	
HA - 5 (890-9833-9)		4/23/26	10:49 Mountain	G	Solid	X	X	X	
Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/test/matrix, being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC.									
Possible Hazard Identification									
Unconfirmed									
Deliverable Requested: I, II, III, IV, Other (specify)									
Primary Deliverable Rank: 2									
Empty Kit Relinquished by:									
Relinquished by:									
Relinquished by:									
Relinquished by:									
Custody Seals Intact: ☐ Yes ☐ No									
Custody Seal No.:									
Cooler Temperature(s) °C and Other Remarks:									

Eurofins Carlsbad

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

Chain of Custody Record



Environment Testing

Client Information (Sub Contract Lab)		Sampler:	N/A	Lab Pk:	Teel, Brianna	Carrier Tracking No(s):	N/A	COC No:	890-6847.2
Shipping/Receiving		Phone:	N/A	E-Mail:	Brianna.Teel@eurofins.com	State of Origin:	New Mexico	Page:	Page 2 of 2
Company:		Eurofins Environment Testing South Cent			Accreditations Required (See note):		NEIAP - Texas	Job #:	890-9833-1
Address:		1211 W. Florida Ave.			Due Date Requested:		4/29/2026	Preservation Codes:	
City:		Midland			TAT Requested (days):		N/A	Analysis Requested	
State, Zip:		TX, 79701			PO #:		N/A	Project #:	
Phone:		432-704-5440(Tel)			MO #:		N/A	SSOW#:	
Email:		N/A			Project #:		89000262	Other:	
Project Name:		NAILED IT B			SSOW#:		N/A	Special Instructions/Note:	
Site:		N/A			Field Filtered Sample (Yes or No)		Perform MS/MSD (Yes or No)	Total Number of containers	
Sample Identification - Client ID (Lab ID)		Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=Water, S=Soil, O=Other, A=Air)	8015MOD_NM/8015NM_S_PrepTPH 8015		1	
HA - 5 (890-9833-10)	4/23/26	10:53	Mountain	G	Solid	8015MOD_Calc8015 Calc		1	
HA - 6 (890-9833-11)	4/23/26	11:03	Mountain	G	Solid	300_ORGFM_28D/DI_LEACHChloride		1	
HA - 6 (890-9833-12)	4/23/26	11:03	Mountain	G	Solid	8021B/5035FP_CalcBTX		1	
						Total_BTXX_GCVTotal BTX			
Relinquished by:		Date/Time:	Company:	Received by:	Date/Time:	Method of Shipment:		Company:	
Custody Seals Intact:		Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks:					

Login Sample Receipt Checklist

Client: Earth Systems Response and Restoration

Job Number: 890-9833-1

SDG Number: Eddy County, NM

Login Number: 9833

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: 890-9833-1

SDG Number: Eddy County, NM

Login Number: 9833

List Number: 2

Creator: Laing, Edmundo

List Source: Eurofins Midland

List Creation: 04/24/26 08:07 AM

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



Environment Testing

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- 13
- 14

ANALYTICAL REPORT

PREPARED FOR

Attn: Gilbert Moreno
Earth Systems Response and Restoration
5114 WCR 128
Midland, Texas 79706
Generated 5/4/2026 4:23:12 PM

JOB DESCRIPTION

Nailed it B
Eddy County, NM

JOB NUMBER

890-9832-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

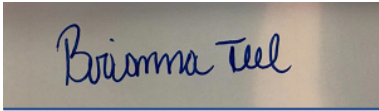
Eurofins Carlsbad

Job Notes

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

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

Authorization



Generated
5/4/2026 4:23:12 PM

Authorized for release by
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Client: Earth Systems Response and Restoration
Project/Site: Nailed it B

Laboratory Job ID: 890-9832-1
SDG: Eddy County, NM

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Definitions/Glossary

Client: Earth Systems Response and Restoration
Project/Site: Nailed it B

Job ID: 890-9832-1
SDG: Eddy County, NM

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

Qualifier	Qualifier Description
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
SQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Earth Systems Response and Restoration
Project: Nailed it B

Job ID: 890-9832-1

Job ID: 890-9832-1

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Job Narrative 890-9832-1

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 4/23/2026 2:53 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-7 (890-9832-1), HA-7 (890-9832-2), HA-8 (890-9832-3), HA-8 (890-9832-4), HA-9 (890-9832-5), HA-9 (890-9832-6), HA-10 (890-9832-7), HA-10 (890-9832-8), HA-11 (890-9832-9), HA-11 (890-9832-10), HA-12 (890-9832-11) and HA-12 (890-9832-12).

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 8015B NM: The continuing calibration verification (CCV) associated with batch 880-139436 recovered above the upper control limit for Gasoline Range Organics (GRO)-C6-C10 and Diesel Range Organics (Over C10-C28). The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is:(CCV 880-139436/140).

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 880-138908 and analytical batch 880-139253 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

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

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Nailed it B

Job ID: 890-9832-1
SDG: Eddy County, NM

Client Sample ID: HA-7

Lab Sample ID: 890-9832-1

Date Collected: 04/23/26 09:30

Matrix: Solid

Date Received: 04/23/26 14:53

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		04/30/26 10:19	05/02/26 07:55	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/30/26 10:19	05/02/26 07:55	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/30/26 10:19	05/02/26 07:55	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/30/26 10:19	05/02/26 07:55	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/30/26 10:19	05/02/26 07:55	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/30/26 10:19	05/02/26 07:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130	04/30/26 10:19	05/02/26 07:55	1
1,4-Difluorobenzene (Surr)	94		70 - 130	04/30/26 10:19	05/02/26 07:55	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			05/02/26 07:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			05/01/26 04:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		04/24/26 08:34	05/01/26 04:28	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		04/24/26 08:34	05/01/26 04:28	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		04/24/26 08:34	05/01/26 04:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	92		70 - 130	04/24/26 08:34	05/01/26 04:28	1
o-Terphenyl	93		70 - 130	04/24/26 08:34	05/01/26 04:28	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	50.7		10.0		mg/Kg			04/28/26 18:11	1

Client Sample ID: HA-7

Lab Sample ID: 890-9832-2

Date Collected: 04/23/26 09:37

Matrix: Solid

Date Received: 04/23/26 14:53

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		04/30/26 10:19	05/02/26 09:29	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/30/26 10:19	05/02/26 09:29	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/30/26 10:19	05/02/26 09:29	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		04/30/26 10:19	05/02/26 09:29	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/30/26 10:19	05/02/26 09:29	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		04/30/26 10:19	05/02/26 09:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130	04/30/26 10:19	05/02/26 09:29	1

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Nailed it B

Job ID: 890-9832-1
SDG: Eddy County, NM

Client Sample ID: HA-7

Lab Sample ID: 890-9832-2

Date Collected: 04/23/26 09:37

Matrix: Solid

Date Received: 04/23/26 14:53

Sample Depth: 2

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	103		70 - 130	04/30/26 10:19	05/02/26 09:29	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			05/02/26 09:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			05/01/26 04:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/24/26 08:34	05/01/26 04:43	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/24/26 08:34	05/01/26 04:43	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/24/26 08:34	05/01/26 04:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 130				04/24/26 08:34	05/01/26 04:43	1
o-Terphenyl	102		70 - 130				04/24/26 08:34	05/01/26 04:43	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	21.1		9.92		mg/Kg			04/28/26 21:37	1

Client Sample ID: HA-8

Lab Sample ID: 890-9832-3

Date Collected: 04/23/26 09:46

Matrix: Solid

Date Received: 04/23/26 14:53

Sample Depth: 0.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		04/30/26 10:19	05/02/26 09:49	1
Toluene	<0.00201	U	0.00201		mg/Kg		04/30/26 10:19	05/02/26 09:49	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		04/30/26 10:19	05/02/26 09:49	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		04/30/26 10:19	05/02/26 09:49	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		04/30/26 10:19	05/02/26 09:49	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		04/30/26 10:19	05/02/26 09:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	122		70 - 130	04/30/26 10:19	05/02/26 09:49	1
1,4-Difluorobenzene (Surr)	106		70 - 130	04/30/26 10:19	05/02/26 09:49	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			05/02/26 09:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.2	U	50.2		mg/Kg			05/01/26 04:57	1

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Nailed it B

Job ID: 890-9832-1
SDG: Eddy County, NM

Client Sample ID: HA-8

Lab Sample ID: 890-9832-3

Date Collected: 04/23/26 09:46

Matrix: Solid

Date Received: 04/23/26 14:53

Sample Depth: 0.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.2	U	50.2		mg/Kg		04/24/26 08:34	05/01/26 04:57	1
Diesel Range Organics (Over C10-C28)	<50.2	U	50.2		mg/Kg		04/24/26 08:34	05/01/26 04:57	1
Oil Range Organics (Over C28-C36)	<50.2	U	50.2		mg/Kg		04/24/26 08:34	05/01/26 04:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 130				04/24/26 08:34	05/01/26 04:57	1
o-Terphenyl	104		70 - 130				04/24/26 08:34	05/01/26 04:57	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	37.8		9.98		mg/Kg			04/28/26 21:52	1

Client Sample ID: HA-8

Lab Sample ID: 890-9832-4

Date Collected: 04/23/26 09:57

Matrix: Solid

Date Received: 04/23/26 14:53

Sample Depth: 2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		04/30/26 10:19	05/02/26 10:10	1
Toluene	<0.00202	U	0.00202		mg/Kg		04/30/26 10:19	05/02/26 10:10	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		04/30/26 10:19	05/02/26 10:10	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		04/30/26 10:19	05/02/26 10:10	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		04/30/26 10:19	05/02/26 10:10	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		04/30/26 10:19	05/02/26 10:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130				04/30/26 10:19	05/02/26 10:10	1
1,4-Difluorobenzene (Surr)	108		70 - 130				04/30/26 10:19	05/02/26 10:10	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			05/02/26 10:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			04/30/26 23:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/24/26 08:39	04/30/26 23:40	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/24/26 08:39	04/30/26 23:40	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/24/26 08:39	04/30/26 23:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	98		70 - 130				04/24/26 08:39	04/30/26 23:40	1
o-Terphenyl	89		70 - 130				04/24/26 08:39	04/30/26 23:40	1

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Nailed it B

Job ID: 890-9832-1
SDG: Eddy County, NM

Client Sample ID: HA-8

Lab Sample ID: 890-9832-4

Date Collected: 04/23/26 09:57

Matrix: Solid

Date Received: 04/23/26 14:53

Sample Depth: 2

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.92	U	9.92		mg/Kg			04/28/26 21:57	1

Client Sample ID: HA-9

Lab Sample ID: 890-9832-5

Date Collected: 04/23/26 09:59

Matrix: Solid

Date Received: 04/23/26 14:53

Sample Depth: 0.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		04/30/26 10:19	05/02/26 10:30	1
Toluene	<0.00201	U	0.00201		mg/Kg		04/30/26 10:19	05/02/26 10:30	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		04/30/26 10:19	05/02/26 10:30	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		04/30/26 10:19	05/02/26 10:30	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		04/30/26 10:19	05/02/26 10:30	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		04/30/26 10:19	05/02/26 10:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130				04/30/26 10:19	05/02/26 10:30	1
1,4-Difluorobenzene (Surr)	106		70 - 130				04/30/26 10:19	05/02/26 10:30	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			05/02/26 10:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			05/01/26 00:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		04/24/26 08:39	05/01/26 00:24	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		04/24/26 08:39	05/01/26 00:24	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		04/24/26 08:39	05/01/26 00:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	96		70 - 130				04/24/26 08:39	05/01/26 00:24	1
o-Terphenyl	87		70 - 130				04/24/26 08:39	05/01/26 00:24	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	100		9.92		mg/Kg			04/28/26 22:01	1

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Nailed it B

Job ID: 890-9832-1
SDG: Eddy County, NM

Client Sample ID: HA-9

Lab Sample ID: 890-9832-6

Date Collected: 04/23/26 10:06

Matrix: Solid

Date Received: 04/23/26 14:53

Sample Depth: 2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		04/30/26 10:19	05/02/26 10:51	1
Toluene	<0.00202	U	0.00202		mg/Kg		04/30/26 10:19	05/02/26 10:51	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		04/30/26 10:19	05/02/26 10:51	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		04/30/26 10:19	05/02/26 10:51	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		04/30/26 10:19	05/02/26 10:51	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		04/30/26 10:19	05/02/26 10:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130	04/30/26 10:19	05/02/26 10:51	1
1,4-Difluorobenzene (Surr)	105		70 - 130	04/30/26 10:19	05/02/26 10:51	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			05/02/26 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	<49.9	U	49.9		mg/Kg			05/01/26 00:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		04/24/26 08:39	05/01/26 00:38	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/24/26 08:39	05/01/26 00:38	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/24/26 08:39	05/01/26 00:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	96		70 - 130	04/24/26 08:39	05/01/26 00:38	1
o-Terphenyl	87		70 - 130	04/24/26 08:39	05/01/26 00:38	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			04/28/26 22:06	1

Client Sample ID: HA-10

Lab Sample ID: 890-9832-7

Date Collected: 04/23/26 10:16

Matrix: Solid

Date Received: 04/23/26 14:53

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		04/30/26 10:19	05/02/26 11:11	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/30/26 10:19	05/02/26 11:11	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/30/26 10:19	05/02/26 11:11	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/30/26 10:19	05/02/26 11:11	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/30/26 10:19	05/02/26 11:11	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/30/26 10:19	05/02/26 11:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130	04/30/26 10:19	05/02/26 11:11	1

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Nailed it B

Job ID: 890-9832-1
SDG: Eddy County, NM

Client Sample ID: HA-10

Lab Sample ID: 890-9832-7

Date Collected: 04/23/26 10:16

Matrix: Solid

Date Received: 04/23/26 14:53

Sample Depth: 0.5

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	92		70 - 130	04/30/26 10:19	05/02/26 11:11	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			05/02/26 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	<50.2	U	50.2		mg/Kg			05/01/26 00:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.2	U	50.2		mg/Kg		04/24/26 08:39	05/01/26 00:52	1
Diesel Range Organics (Over C10-C28)	<50.2	U	50.2		mg/Kg		04/24/26 08:39	05/01/26 00:52	1
Oil Range Organics (Over C28-C36)	<50.2	U	50.2		mg/Kg		04/24/26 08:39	05/01/26 00:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130				04/24/26 08:39	05/01/26 00:52	1
o-Terphenyl	96		70 - 130				04/24/26 08:39	05/01/26 00:52	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	89.4		9.92		mg/Kg			04/28/26 22:21	1

Client Sample ID: HA-10

Lab Sample ID: 890-9832-8

Date Collected: 04/23/26 10:23

Matrix: Solid

Date Received: 04/23/26 14:53

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		04/30/26 10:19	05/02/26 11:31	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/30/26 10:19	05/02/26 11:31	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/30/26 10:19	05/02/26 11:31	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/30/26 10:19	05/02/26 11:31	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/30/26 10:19	05/02/26 11:31	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/30/26 10:19	05/02/26 11:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130	04/30/26 10:19	05/02/26 11:31	1
1,4-Difluorobenzene (Surr)	111		70 - 130	04/30/26 10:19	05/02/26 11:31	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			05/02/26 11:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			05/01/26 01:07	1

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Nailed it B

Job ID: 890-9832-1
SDG: Eddy County, NM

Client Sample ID: HA-10

Lab Sample ID: 890-9832-8

Date Collected: 04/23/26 10:23

Matrix: Solid

Date Received: 04/23/26 14:53

Sample Depth: 2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		04/24/26 08:39	05/01/26 01:07	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		04/24/26 08:39	05/01/26 01:07	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		04/24/26 08:39	05/01/26 01:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130				04/24/26 08:39	05/01/26 01:07	1
o-Terphenyl	92		70 - 130				04/24/26 08:39	05/01/26 01:07	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	35.2		9.98		mg/Kg			04/28/26 22:26	1

Client Sample ID: HA-11

Lab Sample ID: 890-9832-9

Date Collected: 04/23/26 10:30

Matrix: Solid

Date Received: 04/23/26 14:53

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		04/30/26 10:19	05/02/26 11:52	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/30/26 10:19	05/02/26 11:52	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/30/26 10:19	05/02/26 11:52	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		04/30/26 10:19	05/02/26 11:52	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/30/26 10:19	05/02/26 11:52	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		04/30/26 10:19	05/02/26 11:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130				04/30/26 10:19	05/02/26 11:52	1
1,4-Difluorobenzene (Surr)	111		70 - 130				04/30/26 10:19	05/02/26 11:52	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			05/02/26 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	<50.1	U	50.1		mg/Kg			05/01/26 01:21	1

Method: SW846 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		04/24/26 08:39	05/01/26 01:21	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		04/24/26 08:39	05/01/26 01:21	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		04/24/26 08:39	05/01/26 01:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130				04/24/26 08:39	05/01/26 01:21	1
o-Terphenyl	89		70 - 130				04/24/26 08:39	05/01/26 01:21	1

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Nailed it B

Job ID: 890-9832-1
SDG: Eddy County, NM

Client Sample ID: HA-11

Lab Sample ID: 890-9832-9

Date Collected: 04/23/26 10:30

Matrix: Solid

Date Received: 04/23/26 14:53

Sample Depth: 0.5

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	97.8		9.94		mg/Kg			04/28/26 22:31	1

Client Sample ID: HA-11

Lab Sample ID: 890-9832-10

Date Collected: 04/23/26 10:39

Matrix: Solid

Date Received: 04/23/26 14:53

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		04/30/26 10:19	05/02/26 12:12	1
Toluene	<0.00201	U	0.00201		mg/Kg		04/30/26 10:19	05/02/26 12:12	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		04/30/26 10:19	05/02/26 12:12	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		04/30/26 10:19	05/02/26 12:12	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		04/30/26 10:19	05/02/26 12:12	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		04/30/26 10:19	05/02/26 12:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130				04/30/26 10:19	05/02/26 12:12	1
1,4-Difluorobenzene (Surr)	89		70 - 130				04/30/26 10:19	05/02/26 12:12	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			05/02/26 12:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			05/01/26 01:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/24/26 08:39	05/01/26 01:35	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/24/26 08:39	05/01/26 01:35	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/24/26 08:39	05/01/26 01:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	93		70 - 130				04/24/26 08:39	05/01/26 01:35	1
o-Terphenyl	88		70 - 130				04/24/26 08:39	05/01/26 01:35	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	37.8		9.94		mg/Kg			04/28/26 22:36	1

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Nailed it B

Job ID: 890-9832-1
SDG: Eddy County, NM

Client Sample ID: HA-12

Lab Sample ID: 890-9832-11

Date Collected: 04/23/26 10:43

Matrix: Solid

Date Received: 04/23/26 14:53

Sample Depth: 0.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		04/30/26 10:19	05/02/26 12:33	1
Toluene	<0.00202	U	0.00202		mg/Kg		04/30/26 10:19	05/02/26 12:33	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		04/30/26 10:19	05/02/26 12:33	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		04/30/26 10:19	05/02/26 12:33	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		04/30/26 10:19	05/02/26 12:33	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		04/30/26 10:19	05/02/26 12:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130	04/30/26 10:19	05/02/26 12:33	1
1,4-Difluorobenzene (Surr)	109		70 - 130	04/30/26 10:19	05/02/26 12:33	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			05/02/26 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	<49.8	U	49.8		mg/Kg			05/01/26 01:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		04/24/26 08:39	05/01/26 01:49	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		04/24/26 08:39	05/01/26 01:49	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		04/24/26 08:39	05/01/26 01:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 130	04/24/26 08:39	05/01/26 01:49	1
o-Terphenyl	90		70 - 130	04/24/26 08:39	05/01/26 01:49	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	85.2		9.96		mg/Kg			04/28/26 22:41	1

Client Sample ID: HA-12

Lab Sample ID: 890-9832-12

Date Collected: 04/23/26 10:44

Matrix: Solid

Date Received: 04/23/26 14:53

Sample Depth: 2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		04/30/26 13:35	05/03/26 22:22	1
Toluene	<0.00202	U	0.00202		mg/Kg		04/30/26 13:35	05/03/26 22:22	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		04/30/26 13:35	05/03/26 22:22	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		04/30/26 13:35	05/03/26 22:22	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		04/30/26 13:35	05/03/26 22:22	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		04/30/26 13:35	05/03/26 22:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130	04/30/26 13:35	05/03/26 22:22	1

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Nailed it B

Job ID: 890-9832-1
SDG: Eddy County, NM

Client Sample ID: HA-12

Lab Sample ID: 890-9832-12

Date Collected: 04/23/26 10:44

Matrix: Solid

Date Received: 04/23/26 14:53

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	04/30/26 13:35	05/03/26 22:22	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			05/03/26 22:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.2	U	50.2		mg/Kg			05/01/26 02:04	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	<50.2	U	50.2		mg/Kg		04/24/26 08:39	05/01/26 02:04	1
Diesel Range Organics (Over C10-C28)	<50.2	U	50.2		mg/Kg		04/24/26 08:39	05/01/26 02:04	1
Oil Range Organics (Over C28-C36)	<50.2	U	50.2		mg/Kg		04/24/26 08:39	05/01/26 02:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 130				04/24/26 08:39	05/01/26 02:04	1
o-Terphenyl	85		70 - 130				04/24/26 08:39	05/01/26 02:04	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	44.2	F1	10.0		mg/Kg			04/28/26 22:46	1

Surrogate Summary

Client: Earth Systems Response and Restoration
Project/Site: Nailed it B

Job ID: 890-9832-1
SDG: Eddy County, NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)					
Lab Sample ID	Client Sample ID	BFB1	DFBZ1				
		(70-130)	(70-130)				
890-9832-1	HA-7	104	94				
890-9832-2	HA-7	117	103				
890-9832-3	HA-8	122	106				
890-9832-4	HA-8	109	108				
890-9832-5	HA-9	109	106				
890-9832-6	HA-9	114	105				
890-9832-7	HA-10	101	92				
890-9832-8	HA-10	111	111				
890-9832-9	HA-11	112	111				
890-9832-10	HA-11	101	89				
890-9832-11	HA-12	106	109				
890-9832-12	HA-12	99	93				
LCS 880-139455/1-A	Lab Control Sample	122	104				
LCS 880-139505/1-A	Lab Control Sample	98	95				
LCSD 880-139455/2-A	Lab Control Sample Dup	98	106				
LCSD 880-139505/2-A	Lab Control Sample Dup	112	93				
MB 880-139455/5-A	Method Blank	121	111				
MB 880-139462/5-A	Method Blank	112	96				
MB 880-139503/5-A	Method Blank	108	86				
MB 880-139505/5-A	Method Blank	101	95				
Surrogate Legend							
BFB = 4-Bromofluorobenzene (Surr)							
DFBZ = 1,4-Difluorobenzene (Surr)							

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)					
Lab Sample ID	Client Sample ID	1CO1	OTPH1				
		(70-130)	(70-130)				
890-9832-1	HA-7	92	93				
890-9832-2	HA-7	99	102				
890-9832-3	HA-8	102	104				
890-9832-4	HA-8	98	89				
890-9832-4 MS	HA-8	99	85				
890-9832-4 MSD	HA-8	100	85				
890-9832-5	HA-9	96	87				
890-9832-6	HA-9	96	87				
890-9832-7	HA-10	103	96				
890-9832-8	HA-10	101	92				
890-9832-9	HA-11	97	89				
890-9832-10	HA-11	93	88				
890-9832-11	HA-12	100	90				
890-9832-12	HA-12	95	85				
LCS 880-138834/2-A	Lab Control Sample	108	101				
LCS 880-138835/2-A	Lab Control Sample	94	89				
LCSD 880-138834/3-A	Lab Control Sample Dup	104	98				
LCSD 880-138835/3-A	Lab Control Sample Dup	112	90				
MB 880-138834/1-A	Method Blank	92	93				

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Surrogate Summary

Client: Earth Systems Response and Restoration
Project/Site: Nailed it B

Job ID: 890-9832-1
SDG: Eddy County, NM

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)					
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)				
MB 880-138835/1-A	Method Blank	90	81				
Surrogate Legend							
1CO = 1-Chlorooctane							
OTPH = o-Terphenyl							

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Nailed it B

Job ID: 890-9832-1
SDG: Eddy County, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-139455/5-A

Matrix: Solid

Analysis Batch: 139670

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 139455

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/30/26 10:19	05/02/26 04:29	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/30/26 10:19	05/02/26 04:29	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/30/26 10:19	05/02/26 04:29	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/30/26 10:19	05/02/26 04:29	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/30/26 10:19	05/02/26 04:29	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/30/26 10:19	05/02/26 04:29	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	121		70 - 130	04/30/26 10:19	05/02/26 04:29	1
1,4-Difluorobenzene (Surr)	111		70 - 130	04/30/26 10:19	05/02/26 04:29	1

Lab Sample ID: LCS 880-139455/1-A

Matrix: Solid

Analysis Batch: 139670

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 139455

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1108		mg/Kg		111	70 - 130
Toluene	0.100	0.1096		mg/Kg		110	70 - 130
Ethylbenzene	0.100	0.1097		mg/Kg		110	70 - 130
m-Xylene & p-Xylene	0.200	0.2027		mg/Kg		101	70 - 130
o-Xylene	0.100	0.1023		mg/Kg		102	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	122		70 - 130
1,4-Difluorobenzene (Surr)	104		70 - 130

Lab Sample ID: LCSD 880-139455/2-A

Matrix: Solid

Analysis Batch: 139670

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 139455

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09340		mg/Kg		93	70 - 130	17	35
Toluene	0.100	0.09353		mg/Kg		94	70 - 130	16	35
Ethylbenzene	0.100	0.09406		mg/Kg		94	70 - 130	15	35
m-Xylene & p-Xylene	0.200	0.1737		mg/Kg		87	70 - 130	15	35
o-Xylene	0.100	0.08718		mg/Kg		87	70 - 130	16	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	98		70 - 130
1,4-Difluorobenzene (Surr)	106		70 - 130

Lab Sample ID: MB 880-139462/5-A

Matrix: Solid

Analysis Batch: 139670

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 139462

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/30/26 10:43	05/01/26 17:32	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/30/26 10:43	05/01/26 17:32	1

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QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Nailed it B

Job ID: 890-9832-1
SDG: Eddy County, NM

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

Lab Sample ID: MB 880-139462/5-A

Matrix: Solid

Analysis Batch: 139670

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 139462

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/30/26 10:43	05/01/26 17:32	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/30/26 10:43	05/01/26 17:32	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/30/26 10:43	05/01/26 17:32	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/30/26 10:43	05/01/26 17:32	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130	04/30/26 10:43	05/01/26 17:32	1
1,4-Difluorobenzene (Surr)	96		70 - 130	04/30/26 10:43	05/01/26 17:32	1

Lab Sample ID: MB 880-139503/5-A

Matrix: Solid

Analysis Batch: 139714

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 139503

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/30/26 13:27	05/03/26 05:45	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/30/26 13:27	05/03/26 05:45	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/30/26 13:27	05/03/26 05:45	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/30/26 13:27	05/03/26 05:45	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/30/26 13:27	05/03/26 05:45	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/30/26 13:27	05/03/26 05:45	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130	04/30/26 13:27	05/03/26 05:45	1
1,4-Difluorobenzene (Surr)	86		70 - 130	04/30/26 13:27	05/03/26 05:45	1

Lab Sample ID: MB 880-139505/5-A

Matrix: Solid

Analysis Batch: 139714

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 139505

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/30/26 13:35	05/03/26 16:42	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/30/26 13:35	05/03/26 16:42	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/30/26 13:35	05/03/26 16:42	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/30/26 13:35	05/03/26 16:42	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/30/26 13:35	05/03/26 16:42	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/30/26 13:35	05/03/26 16:42	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130	04/30/26 13:35	05/03/26 16:42	1
1,4-Difluorobenzene (Surr)	95		70 - 130	04/30/26 13:35	05/03/26 16:42	1

Lab Sample ID: LCS 880-139505/1-A

Matrix: Solid

Analysis Batch: 139714

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 139505

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.08493		mg/Kg		85	70 - 130
Toluene	0.100	0.08778		mg/Kg		88	70 - 130

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QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Nailed it B

Job ID: 890-9832-1
SDG: Eddy County, NM

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

Lab Sample ID: LCS 880-139505/1-A

Matrix: Solid

Analysis Batch: 139714

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 139505

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	0.100	0.09253		mg/Kg		93	70 - 130
m-Xylene & p-Xylene	0.200	0.1868		mg/Kg		93	70 - 130
o-Xylene	0.100	0.09324		mg/Kg		93	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	98		70 - 130
1,4-Difluorobenzene (Surr)	95		70 - 130

Lab Sample ID: LCSD 880-139505/2-A

Matrix: Solid

Analysis Batch: 139714

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 139505

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.08273		mg/Kg		83	70 - 130	3	35
Toluene	0.100	0.09710		mg/Kg		97	70 - 130	10	35
Ethylbenzene	0.100	0.1095		mg/Kg		109	70 - 130	17	35
m-Xylene & p-Xylene	0.200	0.2305		mg/Kg		115	70 - 130	21	35
o-Xylene	0.100	0.1147		mg/Kg		115	70 - 130	21	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	112		70 - 130
1,4-Difluorobenzene (Surr)	93		70 - 130

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

Lab Sample ID: MB 880-138834/1-A

Matrix: Solid

Analysis Batch: 139438

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 138834

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		04/24/26 08:34	04/30/26 22:57	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/24/26 08:34	04/30/26 22:57	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/24/26 08:34	04/30/26 22:57	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	92		70 - 130	04/24/26 08:34	04/30/26 22:57	1
o-Terphenyl	93		70 - 130	04/24/26 08:34	04/30/26 22:57	1

Lab Sample ID: LCS 880-138834/2-A

Matrix: Solid

Analysis Batch: 139438

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 138834

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	863.1		mg/Kg		86	70 - 130
Diesel Range Organics (Over C10-C28)	1000	919.1		mg/Kg		92	70 - 130

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QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Nailed it B

Job ID: 890-9832-1
SDG: Eddy County, NM

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

Lab Sample ID: LCS 880-138834/2-A

Matrix: Solid

Analysis Batch: 139438

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 138834

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	108		70 - 130
o-Terphenyl	101		70 - 130

Lab Sample ID: LCSD 880-138834/3-A

Matrix: Solid

Analysis Batch: 139438

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 138834

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	823.3		mg/Kg		82	70 - 130	5	20
Diesel Range Organics (Over C10-C28)	1000	894.1		mg/Kg		89	70 - 130	3	20

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	104		70 - 130
o-Terphenyl	98		70 - 130

Lab Sample ID: MB 880-138835/1-A

Matrix: Solid

Analysis Batch: 139436

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 138835

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		04/24/26 08:39	04/30/26 22:57	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/24/26 08:39	04/30/26 22:57	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/24/26 08:39	04/30/26 22:57	1

	MB	MB					Prepared	Analyzed	Dil Fac
Surrogate	%Recovery	Qualifier	Limits						
1-Chlorooctane	90		70 - 130				04/24/26 08:39	04/30/26 22:57	1
o-Terphenyl	81		70 - 130				04/24/26 08:39	04/30/26 22:57	1

Lab Sample ID: LCS 880-138835/2-A

Matrix: Solid

Analysis Batch: 139436

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 138835

	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	1000	1037		mg/Kg		104	70 - 130		
Diesel Range Organics (Over C10-C28)	1000	1046		mg/Kg		105	70 - 130		

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	94		70 - 130
o-Terphenyl	89		70 - 130

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QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Nailed it B

Job ID: 890-9832-1
SDG: Eddy County, NM

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

Lab Sample ID: LCSD 880-138835/3-A

Matrix: Solid

Analysis Batch: 139436

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 138835

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1134		mg/Kg		113	70 - 130	9	20
Diesel Range Organics (Over C10-C28)	1000	1086		mg/Kg		109	70 - 130	4	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane	112		70 - 130						
o-Terphenyl	90		70 - 130						

Lab Sample ID: 890-9832-4 MS

Matrix: Solid

Analysis Batch: 139436

Client Sample ID: HA-8

Prep Type: Total/NA

Prep Batch: 138835

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	1000	877.8		mg/Kg		86	70 - 130		
Diesel Range Organics (Over C10-C28)	<50.0	U	1000	863.4		mg/Kg		86	70 - 130		
Surrogate	MS %Recovery	MS Qualifier	Limits								
1-Chlorooctane	99		70 - 130								
o-Terphenyl	85		70 - 130								

Lab Sample ID: 890-9832-4 MSD

Matrix: Solid

Analysis Batch: 139436

Client Sample ID: HA-8

Prep Type: Total/NA

Prep Batch: 138835

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	999	918.6		mg/Kg		90	70 - 130	5	20
Diesel Range Organics (Over C10-C28)	<50.0	U	999	931.5		mg/Kg		93	70 - 130	8	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	100		70 - 130								
o-Terphenyl	85		70 - 130								

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-138907/1-A

Matrix: Solid

Analysis Batch: 139234

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			04/28/26 15:36	1

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QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Nailed it B

Job ID: 890-9832-1
SDG: Eddy County, NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-138907/2-A

Matrix: Solid

Analysis Batch: 139234

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	234.1		mg/Kg		94	90 - 110

Lab Sample ID: LCSD 880-138907/3-A

Matrix: Solid

Analysis Batch: 139234

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	232.9		mg/Kg		93	90 - 110	1	20

Lab Sample ID: MB 880-138908/1-A

Matrix: Solid

Analysis Batch: 139253

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			04/28/26 21:22	1

Lab Sample ID: LCS 880-138908/2-A

Matrix: Solid

Analysis Batch: 139253

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	237.1		mg/Kg		95	90 - 110

Lab Sample ID: LCSD 880-138908/3-A

Matrix: Solid

Analysis Batch: 139253

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	235.0		mg/Kg		94	90 - 110	1	20

Lab Sample ID: 890-9832-2 MS

Matrix: Solid

Analysis Batch: 139253

Client Sample ID: HA-7

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	21.1		248	286.9		mg/Kg		107	90 - 110

Lab Sample ID: 890-9832-2 MSD

Matrix: Solid

Analysis Batch: 139253

Client Sample ID: HA-7

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	21.1		248	281.5		mg/Kg		105	90 - 110	2	20

Lab Sample ID: 890-9832-12 MS

Matrix: Solid

Analysis Batch: 139253

Client Sample ID: HA-12

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	44.2	F1	250	344.5	F1	mg/Kg		120	90 - 110

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QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Nailed it B

Job ID: 890-9832-1
SDG: Eddy County, NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 890-9832-12 MSD						Client Sample ID: HA-12					
Matrix: Solid						Prep Type: Soluble					
Analysis Batch: 139253											
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	44.2	F1	250	336.2	F1	mg/Kg		117	90 - 110	2	20

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Nailed it B

Job ID: 890-9832-1
SDG: Eddy County, NM

GC VOA

Prep Batch: 139455

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9832-1	HA-7	Total/NA	Solid	5035	
890-9832-2	HA-7	Total/NA	Solid	5035	
890-9832-3	HA-8	Total/NA	Solid	5035	
890-9832-4	HA-8	Total/NA	Solid	5035	
890-9832-5	HA-9	Total/NA	Solid	5035	
890-9832-6	HA-9	Total/NA	Solid	5035	
890-9832-7	HA-10	Total/NA	Solid	5035	
890-9832-8	HA-10	Total/NA	Solid	5035	
890-9832-9	HA-11	Total/NA	Solid	5035	
890-9832-10	HA-11	Total/NA	Solid	5035	
890-9832-11	HA-12	Total/NA	Solid	5035	
MB 880-139455/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-139455/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-139455/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Prep Batch: 139462

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-139462/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 139503

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-139503/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 139505

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9832-12	HA-12	Total/NA	Solid	5035	
MB 880-139505/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-139505/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-139505/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 139670

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9832-1	HA-7	Total/NA	Solid	8021B	139455
890-9832-2	HA-7	Total/NA	Solid	8021B	139455
890-9832-3	HA-8	Total/NA	Solid	8021B	139455
890-9832-4	HA-8	Total/NA	Solid	8021B	139455
890-9832-5	HA-9	Total/NA	Solid	8021B	139455
890-9832-6	HA-9	Total/NA	Solid	8021B	139455
890-9832-7	HA-10	Total/NA	Solid	8021B	139455
890-9832-8	HA-10	Total/NA	Solid	8021B	139455
890-9832-9	HA-11	Total/NA	Solid	8021B	139455
890-9832-10	HA-11	Total/NA	Solid	8021B	139455
890-9832-11	HA-12	Total/NA	Solid	8021B	139455
MB 880-139455/5-A	Method Blank	Total/NA	Solid	8021B	139455
MB 880-139462/5-A	Method Blank	Total/NA	Solid	8021B	139462
LCS 880-139455/1-A	Lab Control Sample	Total/NA	Solid	8021B	139455
LCSD 880-139455/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	139455

Analysis Batch: 139714

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9832-12	HA-12	Total/NA	Solid	8021B	139505

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QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Nailed it B

Job ID: 890-9832-1
SDG: Eddy County, NM

GC VOA (Continued)

Analysis Batch: 139714 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-139503/5-A	Method Blank	Total/NA	Solid	8021B	139503
MB 880-139505/5-A	Method Blank	Total/NA	Solid	8021B	139505
LCS 880-139505/1-A	Lab Control Sample	Total/NA	Solid	8021B	139505
LCSD 880-139505/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	139505

Analysis Batch: 139790

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9832-1	HA-7	Total/NA	Solid	Total BTEX	
890-9832-2	HA-7	Total/NA	Solid	Total BTEX	
890-9832-3	HA-8	Total/NA	Solid	Total BTEX	
890-9832-4	HA-8	Total/NA	Solid	Total BTEX	
890-9832-5	HA-9	Total/NA	Solid	Total BTEX	
890-9832-6	HA-9	Total/NA	Solid	Total BTEX	
890-9832-7	HA-10	Total/NA	Solid	Total BTEX	
890-9832-8	HA-10	Total/NA	Solid	Total BTEX	
890-9832-9	HA-11	Total/NA	Solid	Total BTEX	
890-9832-10	HA-11	Total/NA	Solid	Total BTEX	
890-9832-11	HA-12	Total/NA	Solid	Total BTEX	
890-9832-12	HA-12	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 138834

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9832-1	HA-7	Total/NA	Solid	8015NM Prep	
890-9832-2	HA-7	Total/NA	Solid	8015NM Prep	
890-9832-3	HA-8	Total/NA	Solid	8015NM Prep	
MB 880-138834/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-138834/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-138834/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Prep Batch: 138835

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9832-4	HA-8	Total/NA	Solid	8015NM Prep	
890-9832-5	HA-9	Total/NA	Solid	8015NM Prep	
890-9832-6	HA-9	Total/NA	Solid	8015NM Prep	
890-9832-7	HA-10	Total/NA	Solid	8015NM Prep	
890-9832-8	HA-10	Total/NA	Solid	8015NM Prep	
890-9832-9	HA-11	Total/NA	Solid	8015NM Prep	
890-9832-10	HA-11	Total/NA	Solid	8015NM Prep	
890-9832-11	HA-12	Total/NA	Solid	8015NM Prep	
890-9832-12	HA-12	Total/NA	Solid	8015NM Prep	
MB 880-138835/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-138835/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-138835/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-9832-4 MS	HA-8	Total/NA	Solid	8015NM Prep	
890-9832-4 MSD	HA-8	Total/NA	Solid	8015NM Prep	

Analysis Batch: 139436

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9832-4	HA-8	Total/NA	Solid	8015B NM	138835

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QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Nailed it B

Job ID: 890-9832-1
SDG: Eddy County, NM

GC Semi VOA (Continued)

Analysis Batch: 139436 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9832-5	HA-9	Total/NA	Solid	8015B NM	138835
890-9832-6	HA-9	Total/NA	Solid	8015B NM	138835
890-9832-7	HA-10	Total/NA	Solid	8015B NM	138835
890-9832-8	HA-10	Total/NA	Solid	8015B NM	138835
890-9832-9	HA-11	Total/NA	Solid	8015B NM	138835
890-9832-10	HA-11	Total/NA	Solid	8015B NM	138835
890-9832-11	HA-12	Total/NA	Solid	8015B NM	138835
890-9832-12	HA-12	Total/NA	Solid	8015B NM	138835
MB 880-138835/1-A	Method Blank	Total/NA	Solid	8015B NM	138835
LCS 880-138835/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	138835
LCSD 880-138835/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	138835
890-9832-4 MS	HA-8	Total/NA	Solid	8015B NM	138835
890-9832-4 MSD	HA-8	Total/NA	Solid	8015B NM	138835

Analysis Batch: 139438

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9832-1	HA-7	Total/NA	Solid	8015B NM	138834
890-9832-2	HA-7	Total/NA	Solid	8015B NM	138834
890-9832-3	HA-8	Total/NA	Solid	8015B NM	138834
MB 880-138834/1-A	Method Blank	Total/NA	Solid	8015B NM	138834
LCS 880-138834/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	138834
LCSD 880-138834/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	138834

Analysis Batch: 139594

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9832-1	HA-7	Total/NA	Solid	8015 NM	
890-9832-2	HA-7	Total/NA	Solid	8015 NM	
890-9832-3	HA-8	Total/NA	Solid	8015 NM	
890-9832-4	HA-8	Total/NA	Solid	8015 NM	
890-9832-5	HA-9	Total/NA	Solid	8015 NM	
890-9832-6	HA-9	Total/NA	Solid	8015 NM	
890-9832-7	HA-10	Total/NA	Solid	8015 NM	
890-9832-8	HA-10	Total/NA	Solid	8015 NM	
890-9832-9	HA-11	Total/NA	Solid	8015 NM	
890-9832-10	HA-11	Total/NA	Solid	8015 NM	
890-9832-11	HA-12	Total/NA	Solid	8015 NM	
890-9832-12	HA-12	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 138907

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9832-1	HA-7	Soluble	Solid	DI Leach	
MB 880-138907/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-138907/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-138907/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Leach Batch: 138908

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9832-2	HA-7	Soluble	Solid	DI Leach	
890-9832-3	HA-8	Soluble	Solid	DI Leach	

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QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Nailed it B

Job ID: 890-9832-1
SDG: Eddy County, NM

HPLC/IC (Continued)

Leach Batch: 138908 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9832-4	HA-8	Soluble	Solid	DI Leach	
890-9832-5	HA-9	Soluble	Solid	DI Leach	
890-9832-6	HA-9	Soluble	Solid	DI Leach	
890-9832-7	HA-10	Soluble	Solid	DI Leach	
890-9832-8	HA-10	Soluble	Solid	DI Leach	
890-9832-9	HA-11	Soluble	Solid	DI Leach	
890-9832-10	HA-11	Soluble	Solid	DI Leach	
890-9832-11	HA-12	Soluble	Solid	DI Leach	
890-9832-12	HA-12	Soluble	Solid	DI Leach	
MB 880-138908/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-138908/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-138908/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-9832-2 MS	HA-7	Soluble	Solid	DI Leach	
890-9832-2 MSD	HA-7	Soluble	Solid	DI Leach	
890-9832-12 MS	HA-12	Soluble	Solid	DI Leach	
890-9832-12 MSD	HA-12	Soluble	Solid	DI Leach	

Analysis Batch: 139234

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9832-1	HA-7	Soluble	Solid	300.0	138907
MB 880-138907/1-A	Method Blank	Soluble	Solid	300.0	138907
LCS 880-138907/2-A	Lab Control Sample	Soluble	Solid	300.0	138907
LCSD 880-138907/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	138907

Analysis Batch: 139253

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9832-2	HA-7	Soluble	Solid	300.0	138908
890-9832-3	HA-8	Soluble	Solid	300.0	138908
890-9832-4	HA-8	Soluble	Solid	300.0	138908
890-9832-5	HA-9	Soluble	Solid	300.0	138908
890-9832-6	HA-9	Soluble	Solid	300.0	138908
890-9832-7	HA-10	Soluble	Solid	300.0	138908
890-9832-8	HA-10	Soluble	Solid	300.0	138908
890-9832-9	HA-11	Soluble	Solid	300.0	138908
890-9832-10	HA-11	Soluble	Solid	300.0	138908
890-9832-11	HA-12	Soluble	Solid	300.0	138908
890-9832-12	HA-12	Soluble	Solid	300.0	138908
MB 880-138908/1-A	Method Blank	Soluble	Solid	300.0	138908
LCS 880-138908/2-A	Lab Control Sample	Soluble	Solid	300.0	138908
LCSD 880-138908/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	138908
890-9832-2 MS	HA-7	Soluble	Solid	300.0	138908
890-9832-2 MSD	HA-7	Soluble	Solid	300.0	138908
890-9832-12 MS	HA-12	Soluble	Solid	300.0	138908
890-9832-12 MSD	HA-12	Soluble	Solid	300.0	138908

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Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Nailed it B

Job ID: 890-9832-1
SDG: Eddy County, NM

Client Sample ID: HA-7

Lab Sample ID: 890-9832-1

Date Collected: 04/23/26 09:30

Matrix: Solid

Date Received: 04/23/26 14:53

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	139455	04/30/26 10:19	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	139670	05/02/26 07:55	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			139790	05/02/26 07:55	SA	EET MID
Total/NA	Analysis	8015 NM		1			139594	05/01/26 04:28	AJ	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10.00 mL	138834	04/24/26 08:34	JN	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	139438	05/01/26 04:28	AJ	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	138907	04/24/26 13:51	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	139234	04/28/26 18:11	CS	EET MID

Client Sample ID: HA-7

Lab Sample ID: 890-9832-2

Date Collected: 04/23/26 09:37

Matrix: Solid

Date Received: 04/23/26 14:53

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	139455	04/30/26 10:19	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	139670	05/02/26 09:29	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			139790	05/02/26 09:29	SA	EET MID
Total/NA	Analysis	8015 NM		1			139594	05/01/26 04:43	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	138834	04/24/26 08:34	JN	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	139438	05/01/26 04:43	AJ	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	138908	04/24/26 13:52	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	139253	04/28/26 21:37	CS	EET MID

Client Sample ID: HA-8

Lab Sample ID: 890-9832-3

Date Collected: 04/23/26 09:46

Matrix: Solid

Date Received: 04/23/26 14:53

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	139455	04/30/26 10:19	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	139670	05/02/26 09:49	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			139790	05/02/26 09:49	SA	EET MID
Total/NA	Analysis	8015 NM		1			139594	05/01/26 04:57	AJ	EET MID
Total/NA	Prep	8015NM Prep			9.97 g	10.00 mL	138834	04/24/26 08:34	JN	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	139438	05/01/26 04:57	AJ	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	138908	04/24/26 13:52	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	139253	04/28/26 21:52	CS	EET MID

Client Sample ID: HA-8

Lab Sample ID: 890-9832-4

Date Collected: 04/23/26 09:57

Matrix: Solid

Date Received: 04/23/26 14:53

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	139455	04/30/26 10:19	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	139670	05/02/26 10:10	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			139790	05/02/26 10:10	SA	EET MID

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Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Nailed it B

Job ID: 890-9832-1
SDG: Eddy County, NM

Client Sample ID: HA-8**Lab Sample ID: 890-9832-4****Date Collected: 04/23/26 09:57****Matrix: Solid****Date Received: 04/23/26 14:53**

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			139594	04/30/26 23:40	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	138835	04/24/26 08:39	JN	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	139436	04/30/26 23:40	AJ	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	138908	04/24/26 13:52	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	139253	04/28/26 21:57	CS	EET MID

Client Sample ID: HA-9**Lab Sample ID: 890-9832-5****Date Collected: 04/23/26 09:59****Matrix: Solid****Date Received: 04/23/26 14:53**

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	139455	04/30/26 10:19	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	139670	05/02/26 10:30	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			139790	05/02/26 10:30	SA	EET MID
Total/NA	Analysis	8015 NM		1			139594	05/01/26 00:24	AJ	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10.00 mL	138835	04/24/26 08:39	JN	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	139436	05/01/26 00:24	AJ	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	138908	04/24/26 13:52	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	139253	04/28/26 22:01	CS	EET MID

Client Sample ID: HA-9**Lab Sample ID: 890-9832-6****Date Collected: 04/23/26 10:06****Matrix: Solid****Date Received: 04/23/26 14:53**

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	139455	04/30/26 10:19	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	139670	05/02/26 10:51	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			139790	05/02/26 10:51	SA	EET MID
Total/NA	Analysis	8015 NM		1			139594	05/01/26 00:38	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	138835	04/24/26 08:39	JN	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	139436	05/01/26 00:38	AJ	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	138908	04/24/26 13:52	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	139253	04/28/26 22:06	CS	EET MID

Client Sample ID: HA-10**Lab Sample ID: 890-9832-7****Date Collected: 04/23/26 10:16****Matrix: Solid****Date Received: 04/23/26 14:53**

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	139455	04/30/26 10:19	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	139670	05/02/26 11:11	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			139790	05/02/26 11:11	SA	EET MID
Total/NA	Analysis	8015 NM		1			139594	05/01/26 00:52	AJ	EET MID
Total/NA	Prep	8015NM Prep			9.97 g	10.00 mL	138835	04/24/26 08:39	JN	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	139436	05/01/26 00:52	AJ	EET MID

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Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Nailed it B

Job ID: 890-9832-1
SDG: Eddy County, NM

Client Sample ID: HA-10

Lab Sample ID: 890-9832-7

Date Collected: 04/23/26 10:16

Matrix: Solid

Date Received: 04/23/26 14:53

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.04 g	50 mL	138908	04/24/26 13:52	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	139253	04/28/26 22:21	CS	EET MID

Client Sample ID: HA-10

Lab Sample ID: 890-9832-8

Date Collected: 04/23/26 10:23

Matrix: Solid

Date Received: 04/23/26 14:53

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	139455	04/30/26 10:19	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	139670	05/02/26 11:31	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			139790	05/02/26 11:31	SA	EET MID
Total/NA	Analysis	8015 NM		1			139594	05/01/26 01:07	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10.00 mL	138835	04/24/26 08:39	JN	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	139436	05/01/26 01:07	AJ	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	138908	04/24/26 13:52	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	139253	04/28/26 22:26	CS	EET MID

Client Sample ID: HA-11

Lab Sample ID: 890-9832-9

Date Collected: 04/23/26 10:30

Matrix: Solid

Date Received: 04/23/26 14:53

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	139455	04/30/26 10:19	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	139670	05/02/26 11:52	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			139790	05/02/26 11:52	SA	EET MID
Total/NA	Analysis	8015 NM		1			139594	05/01/26 01:21	AJ	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10.00 mL	138835	04/24/26 08:39	JN	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	139436	05/01/26 01:21	AJ	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	138908	04/24/26 13:52	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	139253	04/28/26 22:31	CS	EET MID

Client Sample ID: HA-11

Lab Sample ID: 890-9832-10

Date Collected: 04/23/26 10:39

Matrix: Solid

Date Received: 04/23/26 14:53

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	139455	04/30/26 10:19	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	139670	05/02/26 12:12	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			139790	05/02/26 12:12	SA	EET MID
Total/NA	Analysis	8015 NM		1			139594	05/01/26 01:35	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10.00 mL	138835	04/24/26 08:39	JN	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	139436	05/01/26 01:35	AJ	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	138908	04/24/26 13:52	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	139253	04/28/26 22:36	CS	EET MID

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Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Nailed it B

Job ID: 890-9832-1
SDG: Eddy County, NM

Client Sample ID: HA-12

Lab Sample ID: 890-9832-11

Date Collected: 04/23/26 10:43

Matrix: Solid

Date Received: 04/23/26 14:53

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	139455	04/30/26 10:19	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	139670	05/02/26 12:33	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			139790	05/02/26 12:33	SA	EET MID
Total/NA	Analysis	8015 NM		1			139594	05/01/26 01:49	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10.00 mL	138835	04/24/26 08:39	JN	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	139436	05/01/26 01:49	AJ	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	138908	04/24/26 13:52	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	139253	04/28/26 22:41	CS	EET MID

Client Sample ID: HA-12

Lab Sample ID: 890-9832-12

Date Collected: 04/23/26 10:44

Matrix: Solid

Date Received: 04/23/26 14:53

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	139505	04/30/26 13:35	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	139714	05/03/26 22:22	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			139790	05/03/26 22:22	SA	EET MID
Total/NA	Analysis	8015 NM		1			139594	05/01/26 02:04	AJ	EET MID
Total/NA	Prep	8015NM Prep			9.97 g	10.00 mL	138835	04/24/26 08:39	JN	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	139436	05/01/26 02:04	AJ	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	138908	04/24/26 13:52	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	139253	04/28/26 22:46	CS	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Earth Systems Response and Restoration
Project/Site: Nailed it B

Job ID: 890-9832-1
SDG: Eddy County, NM

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-26
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: Earth Systems Response and Restoration
Project/Site: Nailed it B

Job ID: 890-9832-1
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: Nailed it B

Job ID: 890-9832-1
SDG: Eddy County, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-9832-1	HA-7	Solid	04/23/26 09:30	04/23/26 14:53	0.5
890-9832-2	HA-7	Solid	04/23/26 09:37	04/23/26 14:53	2
890-9832-3	HA-8	Solid	04/23/26 09:46	04/23/26 14:53	0.5
890-9832-4	HA-8	Solid	04/23/26 09:57	04/23/26 14:53	2
890-9832-5	HA-9	Solid	04/23/26 09:59	04/23/26 14:53	0.5
890-9832-6	HA-9	Solid	04/23/26 10:06	04/23/26 14:53	2
890-9832-7	HA-10	Solid	04/23/26 10:16	04/23/26 14:53	0.5
890-9832-8	HA-10	Solid	04/23/26 10:23	04/23/26 14:53	2
890-9832-9	HA-11	Solid	04/23/26 10:30	04/23/26 14:53	0.5
890-9832-10	HA-11	Solid	04/23/26 10:39	04/23/26 14:53	2
890-9832-11	HA-12	Solid	04/23/26 10:43	04/23/26 14:53	0.5
890-9832-12	HA-12	Solid	04/23/26 10:44	04/23/26 14:53	2

Chain of Custody

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



Environment Testing
Xenco



890-9832 Chain of Custody

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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 Manager: Gilbert Moreno

Company Name: Earth Systems R&R

Address: 1910 Resource Ct

City, State ZIP: Carlsbad, NM, 88220

Phone: 832-541-7719

Bill to: (if different)

Company Name:

Address:

City, State ZIP:

Email: gmoreno@earthsys.net, sgiron@earthsys.net

Project Name:		Nailed It B		Turn Around		Pres. Code		ANALYSIS REQUEST										Preservative Codes	
Project Number:		9699		☒ Routine ☐ Rush															
Project Location:		Eddy County, NM		Due Date: Routine TAT															
Sampler's Name:		Santiago Giron, Michael Benini		TAT starts the day received by the lab, if received by 4:30pm															
CC/WO #:																			
SAMPLE RECEIPT		Tapp Blank: Yes No		Wet Ice: Yes No															
Samples Received Intact:		Yes No		Thermometer ID:															
Cooler Custody Seals:		Yes No		Correction Factor:															
Sample Custody Seals:		Yes No		Temperature Reading:															
Total Containers:				Corrected Temperature:															
Sample Identification		Matrix		Date Sampled		Time Sampled		Depth		Grab/Comp		# of Cont		Parameters		Pres. Code			
HA - 7	S	4.23.26	9:30	0.5	Grab/	1													
HA - 7	S	4.23.26	9:37	2	Grab/	1													
HA - 8	S	4.23.26	9:46	0.5	Grab/	1													
HA - 8	S	4.23.26	9:57	2	Grab/	1													
HA - 9	S	4.23.26	9:59	0.5	Grab/	1													
HA - 9	S	4.23.26	10:06	2	Grab/	1													
HA - 10	S	4.23.26	10:16	0.5	Grab/	1													
HA - 10	S	4.23.26	10:23	2	Grab/	1													
HA - 11	S	4.23.26	10:30	0.5	Grab/	1													
HA - 11	S	4.23.26	10:39	2	Grab/	1													

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

Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U Hg: 1631 / 245.1 / 7470 / 7471

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of \$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 Michael Benini	Michael Benini	4/23/2023			
3					
5					

Revised Date: 08/25/2020 Rev 2020.2

Work Order No:

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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:	

JEST	Preservative Codes				
	None: NO	DI Water: H ₂ O			
	Cool: Cool	MeOH: Me			
	HCL: HC	HNO ₃ : HN			
	H ₂ S0 ₄ : H ₂	NaOH: Na			
	H ₃ PO ₄ : HP				
	NaHSO ₄ : NABIS				
	Na ₂ S ₂ O ₃ : NaSO ₃				
	Zn Acetate+NaOH: Zn				
	NaOH+Ascorbic Acid: SAPC				

[illegible]

Mg Mn Mo Ni K Se Ag SiO₂ Na Sr Ti Sn U V Zn
Se Ag Ti U Hg: 1631 / 245.1 / 7470 / 7471

assigns standard terms and conditions due to circumstances beyond the control of the contractor, the contract shall be enforced unless previously negotiated.

Sl. No.	Received by: (Signature)	Date/Time

Eurofins Carlsbad

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

Chain of Custody Record



Environment Testing

Client Information (Sub Contract Lab)		Sampler	N/A	Lab Pkt:	Teel, Brianna	Carrier Tracking No(s):	N/A	COC No:	890-6846-1
Client Contact:		Phone:	N/A	E-Mail:	Brianna.Teel@eurofins.com	State of Origin:	New Mexico	Page:	Page 1 of 2
Shipping/Receiving		Company:	N/A	Accreditations Required (See note):		NELAP - Texas		Job #:	890-9832-1
Eurofins Environment Testing South Cent		Due Date Requested:	4/29/2026	Analysis Requested		Preservation Codes:			
Address:		1211 W. Florida Ave.							
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:		Nailed it B	Project #:	89000262					
Site:		N/A	SSOW#:	N/A					
Sample Identification - Client ID (Lab ID)		Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix (Metal, Soil, Sediment, Organic, etc.)	Field Filtered Sample (Yes or No)		Perform MS/MSD (Yes or No)	
HA-7 (890-9832-1)	4/23/26	09:30	G	Solid		8015MOD_NM/8015NM_S_PrepTPH 8015		8015MOD_Calc8015 Calc	
HA-7 (890-9832-2)	4/23/26	09:37	G	Solid		300_ORGFM_28D/DI_LEACHChloride		8021B/5035FP_CalcBTEX	
HA-8 (890-9832-3)	4/23/26	09:46	G	Solid		Total_BTEX_GCVTotal BTEX			
HA-8 (890-9832-4)	4/23/26	09:57	G	Solid					
HA-9 (890-9832-5)	4/23/26	09:59	G	Solid					
HA-9 (890-9832-6)	4/23/26	10:06	G	Solid					
HA-10 (890-9832-7)	4/23/26	10:16	G	Solid					
HA-10 (890-9832-8)	4/23/26	10:23	G	Solid					
HA-11 (890-9832-9)	4/23/26	10:30	G	Solid					
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/assessments being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC.									
Possible Hazard Identification									
Unconfirmed									
Deliverable Requested: I, II, III, IV, Other (specify)		Primary Deliverable Rank: 2		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)		☐ Return To Client ☐ Disposal By Lab ☐ Archive For		Months	
Empty Kit Relinquished by:		Date:		Time:		Method of Shipment:			
Relinquished by: <i>[Signature]</i>		Date/Time: 4/23 16:30	Company:	Received by: <i>[Signature]</i>		Date/Time: 4-24-26 800	Company:		
Relinquished by:		Date/Time:	Company:	Received by:		Date/Time:	Company:		
Custody Seals Intact: ☐ Yes ☐ No		Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks:					

17-07000002

- 1
- 2
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- 14

Login Sample Receipt Checklist

Client: Earth Systems Response and Restoration

Job Number: 890-9832-1

SDG Number: Eddy County, NM

Login Number: 9832

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: 890-9832-1

SDG Number: Eddy County, NM

Login Number: 9832

List Number: 2

Creator: Laing, Edmundo

List Source: Eurofins Midland

List Creation: 04/24/26 08:07 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

Action 585439

QUESTIONS

Operator: Civitas Permian Operating, LLC 555 17th Street Denver, CO 80202	OGRID: 332195
	Action Number: 585439
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2610660720
Incident Name	NAPP2610660720 NAILED IT B CTB @ FAPP2132241365
Incident Type	Produced Water Release
Incident Status	Remediation Plan Received
Incident Facility	[fAPP2132241365] NAILED IT FED COM CTB B

Location of Release Source

Please answer all the questions in this group.

Site Name	NAILED IT B CTB
Date Release Discovered	04/16/2026
Surface Owner	State

Incident Details

Please answer all the questions in this group.

Incident Type	Produced Water Release
Did this release result in a fire or is the result of a fire	No
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

Nature and Volume of Release

Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.

Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Equipment Failure Pump Produced Water Released: 40 BBL Recovered: 12 BBL Lost: 28 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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

QUESTIONS, Page 2

Action 585439

QUESTIONS (continued)

Operator: Civitas Permian Operating, LLC 555 17th Street Denver, CO 80202	OGRID: 332195
	Action Number: 585439
	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	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

Initial Response

The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.

The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	Not answered.

Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

I hereby agree and sign off to the above statement	Name: Mason Jones Title: c-Environmental Specialist Email: mjonas@civiresources.com Date: 05/14/2026
--	---

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

General Information
Phone: (505) 629-6116

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

QUESTIONS, Page 3

Action 585439

QUESTIONS (continued)

Operator: Civitas Permian Operating, LLC 555 17th Street Denver, CO 80202	OGRID: 332195
	Action Number: 585439
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Site Characterization	
<i>Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 100 and 500 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
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	Between 1 and 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
Requesting a remediation plan approval with this submission	Yes
<i>Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.</i>	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)	
Chloride (EPA 300.0 or SM4500 Cl B)	12000
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
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
On what estimated date will the remediation commence	06/01/2026
On what date will (or did) the final sampling or liner inspection occur	04/23/2026
On what date will (or was) the remediation complete(d)	06/01/2026
What is the estimated surface area (in square feet) that will be reclaimed	16019
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	16019
What is the estimated volume (in cubic yards) that will be remediated	100
<i>These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.</i>	
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS, Page 4

Action 585439

QUESTIONS (continued)

Operator: Civitas Permian Operating, LLC 555 17th Street Denver, CO 80202	OGRID: 332195
	Action Number: 585439
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Remediation Plan (continued)	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
<i>(Select all answers below that apply.)</i>	
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	Not answered.
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	Yes
In which state is the disposal taking place	Texas
What is the name of the out-of-state facility	R360 Red Bluff
OR is the off-site disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Mason Jones Title: c-Environmental Specialist Email: mjones@civiresources.com Date: 05/14/2026
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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QUESTIONS, Page 5

Action 585439

QUESTIONS (continued)

Operator: Civitas Permian Operating, LLC 555 17th Street Denver, CO 80202	OGRID: 332195
	Action Number: 585439
	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, Page 6

Action 585439

QUESTIONS (continued)

Operator: Civitas Permian Operating, LLC 555 17th Street Denver, CO 80202	OGRID: 332195
	Action Number: 585439
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	577685
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	04/23/2026
What was the (estimated) number of samples that were to be gathered	30
What was the sampling surface area in square feet	11191

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

Action 585439

CONDITIONS

Operator: Civitas Permian Operating, LLC 555 17th Street Denver, CO 80202	OGRID: 332195
	Action Number: 585439
	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. Sidewall samples should be delineated/excavated to 600 mg/kg for chlorides and 100 mg/kg for TPH to define the edge of the release. Confirmation samples to be collected every 400 ft ² is approved by the OCD. Confirmation sampling of 400' must be approved by the surface owner. If any karst features are encountered during the remediation, all activities must be stopped and OCD and SLO need to be notified in order to reassess the work plan. The work will need to occur in 90 days after the work plan has been reviewed.	6/26/2026