From: Wells, Shelly, EMNRD

To: Gilbert Moreno

Cc: Bratcher, Michael, EMNRD; mjones@civiresources.com; eco@nmslo.gov

Subject: RE: [EXTERNAL] Sampling Variance Request - Nailed It B CTB - nAPP2519532647

Date: Friday, December 12, 2025 11:48:00 AM

Attachments: <u>image001.png</u>

Good morning Gilbert,

Please be advised that the request for larger square footage for final/confirmation 5-point composite samples is not a variance request. Pursuant to 19.15.29.12 D. (1)(b) NMAC, operators may request alternative sampling plans. Without an approved alternative sampling plan, the operator must collect final/confirmation 5-point composite samples where each composite sample is not representative of more than 200 square feet.

In future requests, please submit these types of requests as alternative sampling plans and not variance requests. Although, variance requests can be submitted with alternative sampling plans.

Variance requests should only be submitted for requests that fall outside of requirements of 19.15.29 NMAC. One example of a variance request would be deviating away from the requirements of 19.15.29.12 D. (1) NMAC.

If other applicable regulatory Agencies (BLM,SLO, Tribal etc.) impose additional requirements, it is the Operator's responsibility to meet all applicable requirements as OCD approval does not relieve the Operator of any regulatory requirements imposed by other agencies.

Your request for an alternative sampling plan is approved with the following conditions: Bottom confirmation samples may be collected at a frequency of no more than 400 ft2, while all sidewall samples will be required to be collected no more than every 200 ft2.

Sincerely,

Shelly

Shelly Wells * Senior Environmental Scientist Environmental Bureau EMNRD-Oil Conservation Division 1220 S. St. Francis Drive|Santa Fe, NM 87505 (505)469-7520 Shelly.Wells@emnrd.nm.gov

http://www.emnrd.state.nm.us/OCD/

From: Gilbert Moreno <gmoreno@earthsys.net>
Sent: Wednesday, December 10, 2025 12:49 PM

To: Enviro, OCD, EMNRD < OCD. Enviro@emnrd.nm.gov>

Cc: Bratcher, Michael, EMNRD < <u>mike.bratcher@emnrd.nm.gov</u>>; Mason Jones

<mjones@civiresources.com>; NMSLO Environmental Compliance Office (ECO <eco@nmslo.gov>

Subject: [EXTERNAL] Sampling Variance Request - Nailed It B CTB - nAPP2519532647

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

Hello,

Earth Systems Response & Restoration (ESRR), on behalf of Civitas Resources (Civitas), presents the attached Sampling Variance Request cover letter, detailing the site characterization, background of events, and subsequent soil sampling performed to date associated with an inadvertent release of produced water at the Nailed It B CTB (nAPP2519532647). Civitas respectively requests a sampling variance for composite confirmation soil samples to be collected from the floor and sidewalls of the excavation from areas representing no greater than 800 square feet.

Attached:

- Sampling Variance Request
 - Figure 1 Site Map
 - Figure 1A Ground Water
 - Figure 1B Karst Potential
 - Figure 2 Delineation Soil Sample Locations
 - Figure 3 Estimated Excavation Soil Sampling Locations
 - Table 1 Soil Sample Analytical Results
 - Environmental Karst Study Report
 - Referenced Well Records
 - Executed Chain-of-Custody Forms and Laboratory Analytical Reports

Regards,

Gilbert Moreno

Carlsbad Operations Manager- Project Geologist O: (575) 323-9034 C: (832) 541-7719 gmoreno@earthsys.net earthsys.net



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December 10, 2025

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

RE: Nailed It B CTB – Sampling Variance Request

Incident Number: nAPP2519532647 GPS: 32.002686°, -103.842251° Eddy County, New Mexico ESRR Project No. 422

To Whom It May Concern:

Earth Systems Response & Restoration (ESRR), on behalf of Civitas Resources (Civitas), presents the following Sampling Variance Request (SVR) detailing the site characterization, background of events, and subsequent soil sampling performed to date associated with an inadvertent release of produced water and crude oil at the Nailed It B CTB (Site). Civitas respectively requests a sampling variance for composite confirmation soil samples to be collected from the floor and sidewalls of the excavation from areas representing no greater than 800 square feet (sqft.).

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 (32.002686°, -103.842251°) 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 July 11, 2025, a valve separated from a 1-inch drain line, causing the release of approximately 75 barrels (bbls) of produced water onto a Civitas production pad. A vac truck was immediately dispatched and recovered 45 bbls of fluids. ESRR conducted initial site assessment activities and mapped the observed release footprint on July 14, 2025, 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) and by Corrective Action Form C-141 (Form C-141) on July 14, 2025. The incident was subsequently assigned Incident Number nAPP2519532647.

Upon further review, Civitas deemed it necessary for a Environmental Karst Study Report and the installation of a temporary depth to groundwater well, to better understand the Site's Characterization. Southwest Geophysical Consulting, LLC. (SGC) were contracted to perform a surface and geophysical karst survey during August 2025. Upon approval by the New Mexico Office of State of Engineers (NMOSE), HR Enterprises, LLC. (H&R) were contracted to perform the temporary depth to groundwater (DTW) well during November 2025.

Site Characterization

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

Nailed It B CTB - Sampling Variance Request Incident Number: nAPP2519532647 GPS: 32.002686°, -103.842251°



- Between 1,000 feet and ½ miles of any continuously flowing watercourse or any other significant watercourse;
- Between 1 and 5 miles of any lakebed, sinkhole or playa lake (measured from the ordinary high-water mark);
- o Greater than 5 miles of any occupied permanent residence, school, hospital, institution or church;
- Between 1 and 5 miles of any spring or a private, domestic fresh water well used by less than five households for domestic or stock watering purposes;
- Between 1 and 5 miles of any other freshwater well or spring;
- Greater than 5 miles of any incorporated municipal boundary or a defined municipal fresh water well field covered under a municipal ordinance;
- Between 1,000 feet and ½ miles of any wetland;
- Greater than 5 miles of any subsurface mine;
- o Between 1,000 feet and ½ miles of any unstable area (non-karst); and
- Between 1 and 5 miles of a 100-year floodplain.

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

Based on the results from the EKS Report, SGC determined the following:

- 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 temporary DTW well drilled by H&R, DTW is estimated to be greater than 100 feet below ground surface (bgs). The following Closure Criteria was applied:

Constituents of Concern (COCs)	Closure Criteria [‡]
Chloride	20,000 milligram per kilogram (mg/kg)
Total Petroleum Hydrocarbon (TPH)	. 2,500 mg/kg
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 July 18, 2025, ESRR conducted initial 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 - Sampling Variance Request Incident Number: nAPP2519532647 GPS: 32.002686°, -103.842251°



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**.

Anticipated Remediation Activities

Due to the active status of the production pad, the top 4 feet of the AOC is not ready to undergo complete reclamation in which the primary purpose is to reestablish vegetation. With depth to groundwater estimated to be greater than 100 feet bgs and no sensitive receptors within the established buffers in NMAC 19.15.29.12, Civitas believes that a surficial scrape of residual chloride concentrations within 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 anticipates the remediation activities to commence by end of December 2025 or early January 2026. (Figure 3).

Sampling Variance Request

Civitas respectively requests a sampling variance for composite confirmation soil samples to be collected from the floor and sidewalls of the excavation from areas representing no greater than 800 sqft., decreasing the number of samples required from 86 to approximately 25. Civitas believes the sampling variance will still meet the requirements set forth in NMAC 19.15.29.13 regulations and will be equally representative of the protection of human health, the environment, and groundwater.

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

Sincerely,

EARTH SYSTEMS RESPONSE & RESTORATION

Gilbert Moreno

Carlsbad Operations Manager/ Project Geologist

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

Attachments:

Figure 1 - Site Map

Figure 1A - Ground Water

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

Executed Chain-of-Custody Forms and Laboratory Analytical Reports



Figure 1 - Site Map

Civitas Resources – Nailed It B CTB GPS: 32.002686°, -103.842251° Eddy County, New Mexico



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Figure 3 – Ground Water

Civitas Resources – Nailed It B CTB GPS: 32.002686°, -103.842251° Eddy County, New Mexico





Figure 4 – Karst Potential

Civitas Resources – Nailed It B CTB GPS: 32.002686°, -103.842251° Eddy County, New Mexico



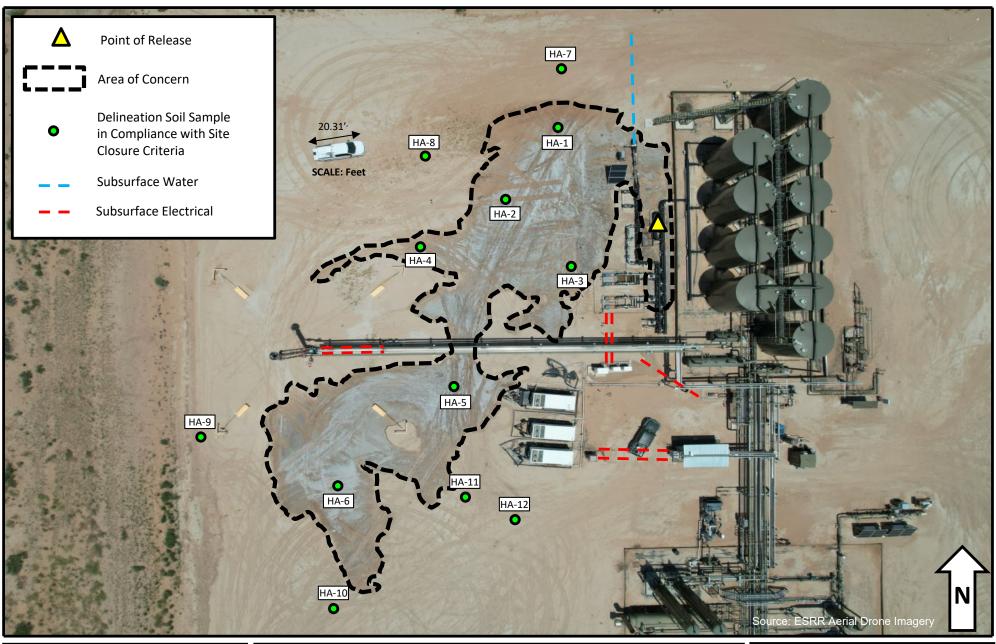




Figure 2 – Delineation Soil Sample Locations

Civitas Resources – Nailed It B CTB GPS: 32.002686°, -103.842251° Eddy County, New Mexico



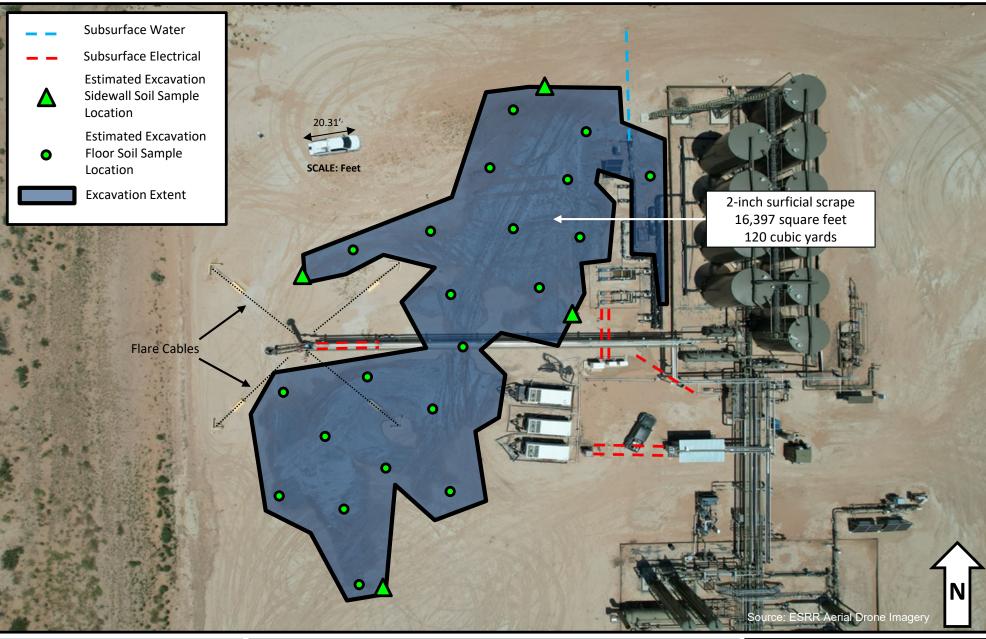




Figure 3 – Estimated Excavation Soil Sample Locations

Civitas Resources – Nailed It B CTB GPS: 32.002686°, -103.842251° Eddy County, New Mexico



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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 Closu Release (NMAC 19.15.		ils Impacted by a	10	50	NE	NE	NE	1,000	2,500	20,000
Delineation Soil Samples - nAPP2519532647										
HA - 1	07/18/25	0.5	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	<50.0	1,620
HA - 1	07/18/25	1	<0.00201	<0.00402	<49.8	<49.8	<49.8	<49.8	<49.8	958
HA - 1	07/18/25	2	<0.00202	<0.00404	<49.9	<49.9	<49.9	<49.9	<49.9	136
HA - 2	07/18/25	0.5	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	<49.8	2,810
HA - 2	07/18/25	1	<0.00200	<0.00399	<50.1	<50.1	<50.1	<50.1	<50.1	104
HA - 2	07/18/25	2	<0.00198	<0.00396	<50.1	<50.1	<50.1	<50.1	<50.1	129
HA - 3	07/18/25	0.5	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	<49.9	7,490
HA - 3	07/18/25	1	<0.00201	<0.00402	<49.7	<49.7	<49.7	<49.7	<49.7	3,470
HA - 3	07/18/25	2	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	<49.8	134
HA - 4	07/18/25	0.5	<0.00202	<0.00403	<50.0	<50.0	<50.0	<50.0	<50.0	93.4
HA - 4	07/18/25	1	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	<50.0	68.6
HA - 4	07/18/25	2	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	97.1
HA - 5	07/18/25	0.5	<0.00199	0.0103	<49.8	<49.8	<49.8	<49.8	<49.8	11,700
HA - 5	07/18/25	1	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	<49.9	209
HA - 5	07/18/25	2	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	<50.0	633
HA - 5	07/18/25	3	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	<49.8	104
HA - 6	07/18/25	0.5	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	2,900
HA - 6	07/18/25	1	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	<50.0	97.8
HA - 6	07/18/25	2	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	<50.0	133
HA-7	07/18/25	0.5	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	<50.0	116
HA-7	07/18/25	2	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	<50.0	105

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



Sample I.D. NMOCD Table I Closu	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)
Release (NMAC 19.15.		ns impacted by a	10	50	NE	NE	NE	1,000	2,500	20,000
				Deline	eation Soil Samples - r	APP2519532647				
HA-8	07/18/25	0.5	<0.00202	<0.00404	<49.9	<49.9	<49.9	<49.9	<49.9	63.9
HA-8	07/18/25	2	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	18.4
HA-9	07/18/25	0.5	<0.00200	<0.00399	<49.8	<49.8	<49.8	<49.8	<49.8	22.0
HA-9	07/18/25	2	<0.00198	<0.00396	<50.0	<50.0	<50.0	<50.0	<50.0	30.9
HA-10	07/18/25	0.5	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	<49.9	12.4
HA-10	07/18/25	2	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	<49.9	15.7
HA-11	07/18/25	0.5	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	<49.8	4,660
HA-11	07/18/25	1	<0.00202	<0.00403	<50.0	<50.0	<50.0	<50.0	<50.0	37.9
HA-11	07/18/25	2	<0.00201	<0.00402	<49.8	<49.8	<49.8	<49.8	<49.8	26.0
HA - 12	07/18/25	0.5	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	12.3
HA - 12	07/18/25	2	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	11.5

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

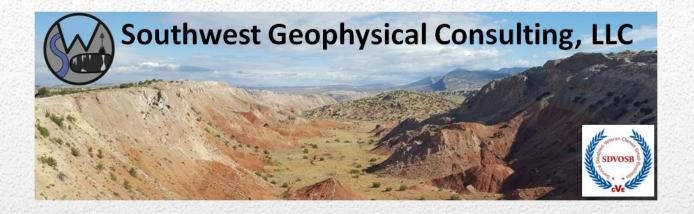
NMOCD: New Mexico Oil Conservation Division

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.



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

ESYS-002-20250807

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Published by:

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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**).

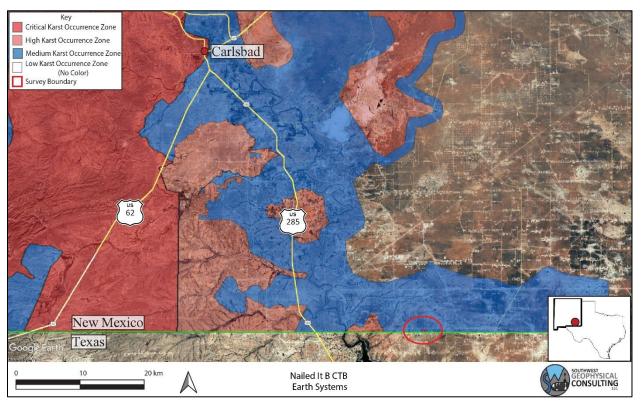


Figure 1: Karst occurrence zone overview. Background image credit: Google Earth. Image date: August 21, 2024. Image datum: WGS-84.

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).

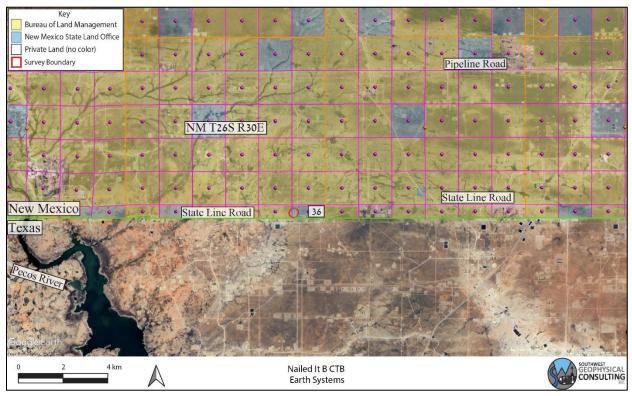


Figure 2: Land ownership and PLSS overview. Background image credit: Google Earth. Image date: December 31, 2023. Image datum: WGS-84.

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 karstforming 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].

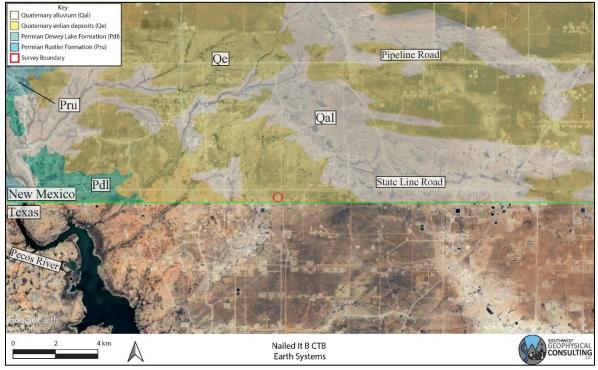


Figure 3: Geology overview. Geology map credit: The Digital Geologic Map of New Mexico in ARC/INFO Format. Background image credit: Google Earth. Image date: December 31, 2023. Image datum: WGS-84.

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].

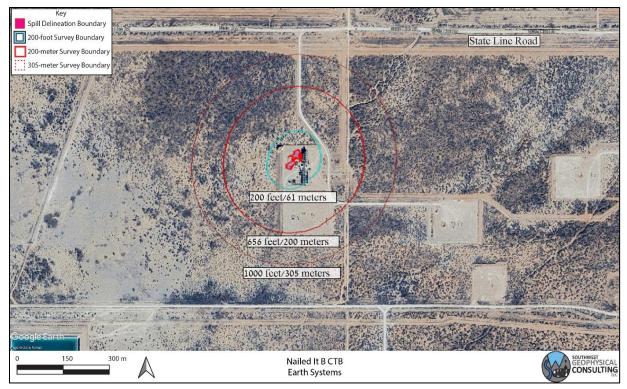


Figure 4: Surface survey overview. Background image credit: Google Earth. Image date: December 31, 2023. Datum: WGS-84.

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.

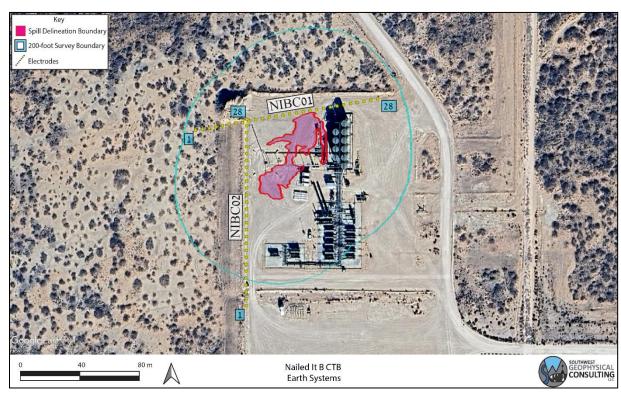


Figure 5: Geophysical survey overview. Two survey lines were conducted with 28 electrodes each (yellow dots denoted with blue numbers). Background image credit: Google Earth. Image date: December 31, 2023. Image datum: WGS-84.

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	0/40/2025
NIBC02.kmz	Britt Bommer – Field Geologist Aaron Beirl – Field Geologist	8/19/2025

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

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

Table 2: Software Information and Settings

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

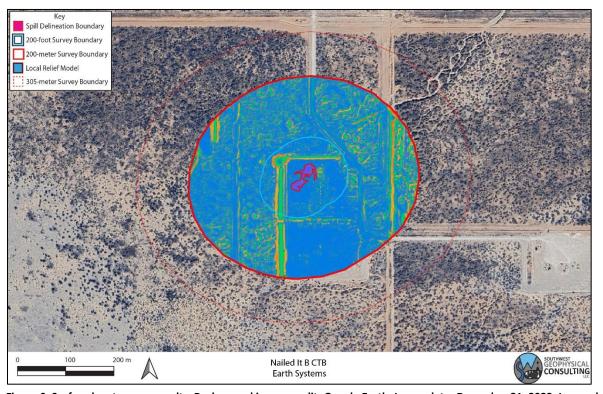


Figure 6: Surface karst survey results. Background image credit: Google Earth. Image date: December 31, 2023. Image datum: WGS-84.

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.

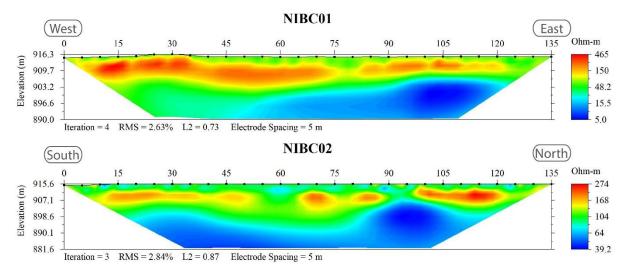


Figure 7: 2D inverted resistivity sections. Reds and oranges indicate higher resistivity values. Yellows and greens are medium-resistivity values. Blues are low-resistivity values. Please note that the color scale is relative.

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.

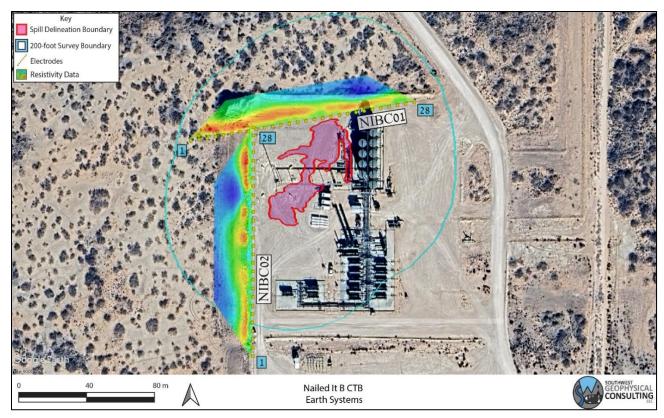


Figure 8: Interpretation. Colored trapezoids are 2D inverted resistivity lines. Background image credit: Google Earth. Image date: December 31, 2023.

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

- 1 Division, O. C. *Title 19, Chapter 15, Part 29* (Oil Conservation Division, 2018).
- 2 NMSLO. (ed Oil Conservation Division) (New Mexico State Land Office, Santa Fe, NM, 2018).
- Decker, D. & Jorgensen, G. L. *Environmental Karst Surveys White Paper* (Southwest Geophysical Consulting, LLC, 2024).
- 4 Goodbar, J. R. Vol. BLM Management Handbook H-8380-1 (ed Carlsbad Field Office) 59 (Bureau of Land Management, Denver, CO, 2015).
- Decker, D., Trautner, E. & Palmer, R. (Bureau of Land Management Carlsbad Field Office, 2025).
- 6 Earthpoint. *Earthpoint Tools for Google Earth,* https://www.earthpoint.us/Townships.aspx (2022).
- Decker, D. D., Land, L. & Luke, B. Characterization of Playa Lakes in the Gypsum Karst of Southeastern New Mexico and West Texas, USA. *Oklahoma Geological Survey Circular* 113 113 (2021).
- 8 W.R.C.C. National Climate Data Center 1981-2010 Normal Climate Summary for Carlsbad, New Mexico (291469), 2010).
- 9 Whitehead, W. & Flynn, C. *Plant Utilization in Southeastern New Mexico: Botany, Ethnobotany, and Archaeology*. (Bureau of Land Management, Carlsbad Field Office, 2017).
- 10 NMSLO. Digital overlay (KML) of the surface land ownership in New Mexico (New Mexico State Land Office, Santa Fe, NM, 2024).
- Green, G. N. & Jones, G. E. *The Digital Geologic Map of New Mexico in ARC/INFO Format*, https://mrdata.usgs.gov/geology/state/state.php?state=NM (1997).
- Austin, G. S. *Geology and mineral deposits of Ochoan rocks in Delaware Basin and adjacent areas*. Vol. Circular 159 (New Mexico Bureau of Mines and Mineral Resources, 1978).
- Powers, D. W., Lambert, S. J., Shaffer, S.-E., Hill, L. R. & Weart, W. D. Geological Characterization Report, Waste Isolation Pilot Plant (WIPP) Site, Southeastern New Mexico. 726 (Sandia Laboratories, Albuquerque, NM, 1978).
- Goodbar, J. R. & Goodbar, A. in *US Geological Survey Karst Interest Group* (National Cave and Karst Research Institute, Carlsbad, NM, 2014).
- 15 Scholle, P. A. Geologic Map of New Mexico. (2003).

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

8.0 GLOSSARY OF TERMS

AGI Advanced Geosciences Inc.

BLM-CFO Bureau of Land Management - Carlsbad Field Office

brecciated Fractured rock caused by faulting or collapse. caprock-collapse sinkhole Collapse of roof-spanning rock into a cave or void.

cave Natural opening at the surface large enough for a person to enter.

cover-collapse sinkhole Collapse of roof-spanning soil or clay ground cover into a subsurface

void.

ERI Electrical Resistivity Imaging
GPS Global Positioning System

grike A solutionally enlarged, vertical, or sub-vertical joint or fracture.

(H) High confidence modifier for a PKF. This is typically reserved for a

feature that is definitely karst but has not been confirmed in the

field.

HKOZ High Karst Occurrence Zone

karst A landscape containing solutional features such as caves,

sinkholes, swallets, and springs.

(L) Low confidence modifier for a PKF. This is typically a feature that

cannot be ruled out as karst but is most likely NOT karst related.

This modifier may also be used for pseudokarst features.

(M) Medium confidence modifier for PKF. This is an ambiguous

feature that can't be positively identified as karst without a field visit (e.g., burrows, abandoned unlined wells, solution tubes,

pseudokarst).

MKOZ Medium Karst Occurrence Zone
NCRC National Cave Rescue Commission

NKF Non-karst feature. Used for features originally identified as PKF

that have been subsequently identified in the field as non-karst related. This term may also be used for pseudokarst features.

NMSLO New Mexico State Land Office

Ohm-meter, a unit of measurement for resistivity. Sometimes

abbreviated Ω -m.

paleokarst Previously formed karst features that have been filled in by

erosion and/or deposition of minerals.

Pat Permian Artesia Group
Pc Permian Capitan Formation

Pcs Permian Castile Formation

Pdl Permian Dewey Lake Formation

PKF Possible karst feature. This term is reserved for features

identified in satellite or aerial imagery that have NOT been visited in the field. Further modifiers include (H) for high confidence, (M) for medium confidence, and (L) for low confidence. These confidence levels are based on field

experience.

PLSS Public Land Survey System

Pqg Permian Queen/Greyburg Formation

Pru Permian Rustler Formation

pseudokarst Karst-like features (sinkholes, conduits, voids etc.) that are not

formed by dissolution. These types of features include soil piping, lava tubes, and some cover-collapse and suffosion sinkholes.

Psl Permian Salado Formation

Psr Permian Seven Rivers Formation

Pt Permian Tansill Formation
Py Permian Yates Formation
Qal Quaternary alluvium

Qe Quaternary eolian deposits
Qp Quaternary piedmont deposits
Qpl Quaternary playa lake deposits

RKF Recognized karst feature. This term is reserved for karst features

that have been physically verified in the field.

SPAR Small Party Assisted Rescue sUAS Small, uncrewed aerial system

suffosion sinkhole Raveling of soil into a pre-existing void or fracture.

swallet A natural opening in the surface, too small for a person, that drains

water to an aquifer. Some are "open," meaning a void can be seen

below; some are "closed, "meaning they are full of sediment.

SWG Southwest Geophysical Consulting, LLC

UTM Universal Transverse Mercator (projected coordinates)

(V) Field verified modifier for a RKF. This indicates that the feature has

been visited by a qualified karst professional in the field and fully

identified

WGS World Geodetic System (geographic coordinates)

9.0 ATTESTATION

David D. Decker, PhD, PG, CPG

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

CERTIFICATE OF AUTHOR

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

- I am currently employed as a consulting geologist in the specialty of caves and karst with an office address of 5117 Fairfax Dr. NW, Albuquerque, NM, USA, 87114.
- I graduated with a Master of Science in Applied Physics with a specialization in Sensor Systems from the Naval Post Graduate School in Monterey, California, in 2003, and a Doctor of Philosophy in Earth and Planetary Sciences from the University of New Mexico, Albuquerque, New Mexico, in 2018.
- I am a Licensed Professional Geologist in the State of Texas, USA (PG-15242) and have been since 2021. I am a Certified Professional Geologist through the American Institute of Professional Geologists (CPG-12123) and have been since 2021.
- I have been employed as a geologist continuously since 2016. I was previously employed as
 a Fire Controlman, Naval Flight Officer, and Aerospace Engineering Duty Officer in the U.S.
 Navy and operated, maintained, and installed various sensor systems including magnetic,
 electromagnetic, radar, communications, and acoustic systems in various capacities from
 1986 through 2010.
- I have been involved in various aspects of cave and karst studies continuously since 1985, including exploration, mapping, and scientific studies.
- I have read the definition of "qualified karst professional" set out in the ASTM Standard Practice for Preliminary Karst Terrain Assessment for Site Development (ASTM E-1527). I meet the definition of "qualified professional" for the purposes of this standard.
- I am responsible for the content, compilation, and editing of all sections of report number ESYS-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

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	DEPTH (f	feet bgl)		COLOR AND TYPE OF MATERIAL ENG	COUNTERED -		WATER	ESTIMATED
	FROM	то	THICKNESS (feet)	INCLUDE WATER-BEARING CAVITIES OR (attach supplemental sheets to fully desc	FRACTURE ZONES	S	BEARING? (YES / NO)	YIELD FOR WATER- BEARING ZONES (gpm)
	0'	5'	5'	Sandy Topsoil			Y ✓ N	
	5'	15'	10'	Sandy Caliche			Y ✓N	
	15'	105'	90'	Sand			Y ✓N	
							Y N	
					,		Y N	
1							Y N	
4. HYDROGEOLOGIC LOG OF WELL							Y N	
OF		-					Y N	
907							Y N	
CIC							Y N	
)TO							Y N	
GEC							Y N	
DRO							Y N	
HX							Y N	
4							Y N	
							Y N	
							Y N	
							Y N	
							Y N	
							Y N	
							Y N	
	METHOD U	JSED TO ES	STIMATE YIELD	OF WATER-BEARING STRATA:			AL ESTIMATED	0.00
	PUM	Р ПА	IR LIFT	BAILER OTHER - SPECIFY: DTGW BO	ore	WEL	LL YIELD (gpm):	0.00
NO	WELL TES	T TEST STAR	RESULTS - ATT T TIME, END TII	ACH A COPY OF DATA COLLECTED DURING W ME, AND A TABLE SHOWING DISCHARGE AND	ELL TESTING, INC DRAWDOWN OVI	CLUDI ER TH	NG DISCHARGE E TESTING PERIO	METHOD, DD.
VISION	MISCELLA	NEOUS INI	FORMATION: De	epth to groundwater bore was gauged for water o	on 11-10-25 DTGV	W hore	was dry Tempo	arany well cosing
5. TEST; RIG SUPER			W	as removed, bore note was backfilled with diffi c	uttings to 10' BGS	. Hydr	rated bentonite ho	ole plug was
G St			po	oured from 10' BGS to surface.				
l; RI								
LES	PRINT NAN	ME(S) OF D	RILL RIG SUPER	RVISOR(S) THAT PROVIDED ONSITE SUPERVISI	ON OF WELL CON	STRU	CTION OTHER TI	HAN LICENSEE:
'n	Nathan Sme			*				
	THE UNDE	RSIGNED I	HEREBY CERTIF	TIES THAT, TO THE BEST OF HIS OR HER KNOW	VLEDGE AND BEL	IEF, T	HE FOREGOING	IS A TRUE AND
6. SIGNATURE	AND THE P	ERMIT HO	F THE ABOVE D LDER WITHIN 3	DESCRIBED HOLE AND THAT HE OR SHE WILL TO DAYS AFTER COMPLETION OF WELL DRILLI	FILE THIS WELL F NG:	RECOR	RD WITH THE ST	ATE ENGINEER
NA.		1	Λ .					
S. SIC	CR	XIL	why	James Hawley			11-11-25	
		SIGNAT	URE OF DRILLE	R / PRINT SIGNEE NAME			DATE	
FOI	R OSE INTER	NAL USE			WR-20 WE	LL RE	CORD & LOG (Ve	ersion 09/22/2022)
	E NO.			POD NO.	TRN NO.			
LO	CATION				WELL TAG ID NO.			PAGE 2 OF 2



PLUGGING RECORD



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

I. GENERAL / WELL OW					
State Engineer Well Number:	C-5008 - POD I				
Well owner: Civitas Resourc	es, Inc.		Phone	e No.:	
Mailing address: 6301 Holida	ay Hili Ra Unit 201				70707
City: Midland		State:	TX	Zip co	ode: /9/0/
II. WELL PLUGGING INF	FORMATION: g company that plugge	d well. H&R E	Enterprises, LLC.		
					6.46.07
2) New Mexico Well D	riller License No.: W	D-1862		Expiration Date	e: 0-10-27
Well plugging activity Nathan Smelcer	ties were supervised by	y the following	well driller(s)/rig s	supervisor(s):	
4) Date well plugging b	egan: 11-10-25		Date well plugging	concluded: 11-10-2	25
5) GPS Well Location:	Latitude: Longitude:	32 deg 103 deg	, <u>0</u> min, , <u>50</u> min,	4.8 sec 10.5 sec, W	GS 84
6) Depth of well confirm by the following man	med at initiation of plunner: well sounder	igging as:	ft below gro	ound level (bgl),	
,	easured at initiation of				
8) Date well plugging p	olan of operations was	approved by the	e State Engineer: _	9-8-25	
9) Were all plugging ac differences between	tivities consistent with the approved plugging	n an approved pg plan and the v	olugging plan? vell as it was plugge	yes If no ed (attach additional	t, please describe pages as needed):
		A			

Log of Plugging Activities - Label vertical scale with depths, and indicate separate plugging intervals with horizontal lines as necessary to illustrate material or methodology changes. Attach additional pages if necessary.

For each interval plugged, describe within the following columns:

Depth (ft bgl)	Plugging Material Used (include any additives used)	Volume of Material Placed (gallons)	Theoretical Volume of Borehole/ Casing (gallons)	Placement Method (tremie pipe, other)	Comments ("casing perforated first", "open annular space also plugged", etc.)
	0' - 10' Hydrated Bentonite	Approx. 15 gallons	15 gallons	Pour	
_	10' - 105' Drill Cuttibgs	Approx. 139 gallons	139 gallons	Pour	
_					
=					
_					
_					
_					
_					
_					
_					
		MULTIPLY cubic feet x 7.	BY AND OBTAIN 4805 = gallons		

cubic yards x 201.97 = gallons

III. SIGNATURE:

I, $\underline{\text{James Hawley}}$, say that I am familiar with the rules of the Office of the State Engineer pertaining to the plugging of wells and that each and all of the statements in this Plugging Record and attachments are true to the best of my knowledge and belief.

Signature of Well Driller

11-11-25

Date

Version: September 8, 2009

Page 2 of 2

Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 7/25/2025 10:29:21 AM

JOB DESCRIPTION

Nailed It B CTB Eddy County, NM

JOB NUMBER

890-8478-1

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

Brianna Tel

Generated 7/25/2025 10:29:21 AM

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

Eurofins Carlsbad is a laboratory within Eurofins Environment Testing South Central, LLC, a company within Eurofins Environment Testing Group of Companies

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

Laboratory Job ID: 890-8478-1 SDG: Eddy County, NM

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Definitions/Glossary

Client: Earth Systems Response and Restoration

Project/Site: Nailed It B CTB SDG: Eddy County, NM

Job ID: 890-8478-1

Qualifiers

GC VOA

Qualifier **Qualifier Description**

Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier Qualifier Description

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**

Detection Limit (DoD/DOE) DL

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) Most Probable Number MPN MQL Method Quantitation Limit

NC Not Calculated

ND Not Detected at the reporting limit (or MDL or EDL if shown)

NFG 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)

Relative Percent Difference, a measure of the relative difference between two points RPD

Toxicity Equivalent Factor (Dioxin) TEF TEQ Toxicity Equivalent Quotient (Dioxin)

TNTC Too Numerous To Count

Job ID: 890-8478-1

Case Narrative

Client: Earth Systems Response and Restoration

Project: Nailed It B CTB

Job ID: 890-8478-1 Eurofins Carlsbad

Job Narrative 890-8478-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these
 situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise
 specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt

The samples were received on 7/21/2025 9:55 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was -4.6°C.

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: HA - 1 (890-8478-1), HA - 1 (890-8478-2), HA - 1 (890-8478-3), HA - 2 (890-8478-4), HA - 2 (890-8478-5), HA - 2 (890-8478-6), HA - 3 (890-8478-7), HA - 3 (890-8478-7), HA - 3 (890-8478-9), HA - 4 (890-8478-10), HA - 4 (890-8478-11), HA - 4 (890-8478-12), HA - 5 (890-8478-13), HA - 5 (890-8478-15), HA - 5 (890-8478-16), HA - 6 (890-8478-17), HA - 6 (890-8478-18) and HA - 6 (890-8478-19).

GC VOA

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

Diesel Range Organics

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

HPLC/IC

Method 300_ORGFM_28D - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-114666 and analytical batch 880-114730 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

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

Eurofins Carlsbad

Released to Imaging: 12/12/2025 2:49:03 PM

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Matrix: Solid

Client Sample Results

Client: Earth Systems Response and Restoration

Project/Site: Nailed It B CTB

Job ID: 890-8478-1 SDG: Eddy County, NM

Lab Sample ID: 890-8478-1

Client Sample ID: HA - 1

Date Collected: 07/18/25 12:00 Date Received: 07/21/25 09:55

Sample Depth: 0.5

Method: SW846 8021B - Volatile		ounds (GG)	,						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/21/25 12:27	07/22/25 11:33	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/21/25 12:27	07/22/25 11:33	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/21/25 12:27	07/22/25 11:33	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		07/21/25 12:27	07/22/25 11:33	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/21/25 12:27	07/22/25 11:33	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		07/21/25 12:27	07/22/25 11:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		70 - 130				07/21/25 12:27	07/22/25 11:33	1
1,4-Difluorobenzene (Surr)	104		70 - 130				07/21/25 12:27	07/22/25 11:33	1
Total BTEX Method: SW846 8015 NM - Diese	<0.00399	U	0.00399		mg/Kg		<u> </u>	07/22/25 11:33	1
	l Range Organ	ics (DRO) (GC)						
Analyte	•	ics (DRO) (Qualifier	GC) RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	•	Qualifier	•	MDL	Unit mg/Kg	<u>D</u>	Prepared	Analyzed 07/24/25 14:29	Dil Fac
Analyte		Qualifier U		MDL		<u>D</u>	Prepared		
Analyte Total TPH	Result <50.0	Qualifier U		MDL	mg/Kg	<u>D</u>	Prepared Prepared		
Analyte Total TPH Method: SW846 8015B NM - Dies	Result <50.0	Qualifier U unics (DRO) Qualifier	RL 50.0		mg/Kg			07/24/25 14:29	1
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics	Result <50.0 sel Range Orga Result	Qualifier U Inics (DRO) Qualifier U	RL 50.0		mg/Kg		Prepared	07/24/25 14:29 Analyzed	1
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10	Result <50.0 Sel Range Orga Result <50.0	Qualifier U Inics (DRO) Qualifier U	RL 50.0		mg/Kg Unit mg/Kg		Prepared 07/22/25 08:39	07/24/25 14:29 Analyzed 07/24/25 14:29	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result <50.0 Sel Range Orga Result <50.0	Qualifier U unics (DRO) Qualifier U	RL 50.0		mg/Kg Unit mg/Kg		Prepared 07/22/25 08:39	07/24/25 14:29 Analyzed 07/24/25 14:29	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result	Qualifier U unics (DRO) Qualifier U U	RL 50.0 (GC) RL 50.0 50.0		mg/Kg Unit mg/Kg mg/Kg		Prepared 07/22/25 08:39 07/22/25 08:39	07/24/25 14:29 Analyzed 07/24/25 14:29 07/24/25 14:29	1 Dil Fac 1

70 - 130

RL

49.7

MDL Unit

mg/Kg

123

1620

Result Qualifier

Client Sample ID: HA - 1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Date Collected: 07/18/25 12:05 Date Received: 07/21/25 09:55

Sample Depth: 1

o-Terphenyl

Analyte

Chloride

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		07/21/25 12:27	07/22/25 11:54	1
Toluene	<0.00201	U	0.00201		mg/Kg		07/21/25 12:27	07/22/25 11:54	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		07/21/25 12:27	07/22/25 11:54	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		07/21/25 12:27	07/22/25 11:54	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		07/21/25 12:27	07/22/25 11:54	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		07/21/25 12:27	07/22/25 11:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)			70 - 130				07/21/25 12:27	07/22/25 11:54	

Eurofins Carlsbad

07/22/25 08:39

Prepared

D

07/24/25 14:29

Analyzed

07/22/25 20:48

Lab Sample ID: 890-8478-2

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Dil Fac

Matrix: Solid

Client Sample Results

Client: Earth Systems Response and Restoration

Project/Site: Nailed It B CTB

Job ID: 890-8478-1 SDG: Eddy County, NM

Lab Sample ID: 890-8478-2

Client Sample ID: HA - 1

Date Collected: 07/18/25 12:05 Date Received: 07/21/25 09:55

Sample Depth: 1

Method: SW846 8021B	- Volatile Organic	Compounds	(GC)	(Continued)
Michiga. Offord doz 15	- Volutile Organie	Compounds	$(\mathbf{U}\mathbf{U})$	(Oontiniaca)

Surrogate	%Recovery (Qualifier	Limits	Prepared	Analyzed	Dil Fac
1.4-Difluorobenzene (Surr)	96	_	70 - 130	07/21/25 12:27	07/22/25 11:54	1

Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402 U	0.00402	ma/Ka			07/22/25 11:54	1

Method: SW846 8015 NM - Diesel Range Organics (DR	
	Organica (DDO) (CC)
	Ordanics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg	 		07/24/25 15:19	1

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

Analyte	Popult	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Analyte	Result	Qualifier	KL	MIDE	Ullit		Frepareu	Allalyzeu	DII Fac
Gasoline Range Organics	<49.8	U	49.8		mg/Kg		07/22/25 08:39	07/24/25 15:19	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.8	U	49.8		mg/Kg		07/22/25 08:39	07/24/25 15:19	1
C10-C28)									
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		07/22/25 08:39	07/24/25 15:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	108		70 - 130	07/22/25 08:	39 07/24/25 15:19	1
o-Terphenyl	110		70 - 130	07/22/25 08:	39 07/24/25 15:19	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Chloride	958	10.1	mg/Kg			07/22/25 20:54	1

Client Sample ID: HA - 1

Lab Sample ID: 890-8478-3 Date Collected: 07/18/25 12:10 **Matrix: Solid**

Date Received: 07/21/25 09:55

Sample Depth: 2

Method: SW846 8021B - Vola	itile Organic Compounds (GC)
----------------------------	------------------------------

Michiga. Offoro ouz ID - Volatili	c Organic Comp		,						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		07/21/25 12:27	07/22/25 12:14	1
Toluene	<0.00202	U	0.00202		mg/Kg		07/21/25 12:27	07/22/25 12:14	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		07/21/25 12:27	07/22/25 12:14	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		07/21/25 12:27	07/22/25 12:14	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		07/21/25 12:27	07/22/25 12:14	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		07/21/25 12:27	07/22/25 12:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130				07/21/25 12:27	07/22/25 12:14	1
1,4-Difluorobenzene (Surr)	98		70 - 130				07/21/25 12:27	07/22/25 12:14	1

Mothod:	TAI SOI	Total RTF	(- Total RTF	X Calculation

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Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	< 0.00404	U	0.00404		mg/Kg			07/22/25 12:14	1

Analyte	Result	Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			07/24/25 15:35	1

Client: Earth Systems Response and Restoration

Project/Site: Nailed It B CTB

Lab Sample ID: 890-8478-3

Matrix: Solid

Job ID: 890-8478-1

SDG: Eddy County, NM

Sample Depth: 2

Client Sample ID: HA - 1

Date Collected: 07/18/25 12:10

Date Received: 07/21/25 09:55

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.9	U	49.9		mg/Kg		07/22/25 08:39	07/24/25 15:35	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.9	U	49.9		mg/Kg		07/22/25 08:39	07/24/25 15:35	1
C10-C28)									
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/22/25 08:39	07/24/25 15:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	108		70 - 130				07/22/25 08:39	07/24/25 15:35	1
o-Terphenyl	107		70 - 130				07/22/25 08:39	07/24/25 15:35	1
- Method: EPA 300.0 - Anions, Ion	Chromatograp	hy - Solubl	e						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
				_					

Lab Sample ID: 890-8478-4 Client Sample ID: HA - 2 Matrix: Solid

Date Collected: 07/18/25 12:15

Date Received: 07/21/25 09:55

Sample Depth: 0.5

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		07/21/25 12:27	07/22/25 12:35	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/21/25 12:27	07/22/25 12:35	1
Ethylbenzene	< 0.00199	U	0.00199		mg/Kg		07/21/25 12:27	07/22/25 12:35	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		07/21/25 12:27	07/22/25 12:35	1
o-Xylene	< 0.00199	U	0.00199		mg/Kg		07/21/25 12:27	07/22/25 12:35	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/21/25 12:27	07/22/25 12:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130				07/21/25 12:27	07/22/25 12:35	1
1,4-Difluorobenzene (Surr)	97		70 - 130				07/21/25 12:27	07/22/25 12:35	1
Method: TAL SOP Total BTEX - 1	Total BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			07/22/25 12:35	1
•					mg/Kg			07/22/25 12:35	1
: Method: SW846 8015 NM - Diese	el Range Organ	ics (DRO) (GC)	MDI		n	Propared		
Method: SW846 8015 NM - Diese Analyte	el Range Organ Result	ics (DRO) (GC)	MDL	Unit	<u>D</u>	Prepared	Analyzed	Dil Fac
: Method: SW846 8015 NM - Diese	el Range Organ	ics (DRO) (GC)	MDL		D	Prepared		
Method: SW846 8015 NM - Diese Analyte	Result <49.8	ics (DRO) (Qualifier	GC) RL 49.8	MDL	Unit	<u>D</u>	Prepared	Analyzed	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH	el Range Organ Result 49.8 sel Range Organ	ics (DRO) (Qualifier	GC) RL 49.8		Unit	D_	Prepared Prepared	Analyzed	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Dies	el Range Organ Result 49.8 sel Range Organ	Qualifier Unics (DRO) Qualifier	GC) RL 49.8		Unit mg/Kg		<u> </u>	Analyzed 07/24/25 15:52	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics	Result <a< td=""><td>Qualifier U nics (DRO) Qualifier U U</td><td>GC) RL 49.8 (GC) RL</td><td></td><td>Unit mg/Kg</td><td></td><td>Prepared</td><td>Analyzed 07/24/25 15:52 Analyzed</td><td>Dil Fac Dil Fac</td></a<>	Qualifier U nics (DRO) Qualifier U U	GC) RL 49.8 (GC) RL		Unit mg/Kg		Prepared	Analyzed 07/24/25 15:52 Analyzed	Dil Fac Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10	el Range Organ Result 49.8 sel Range Orga Result 49.8	Qualifier U nics (DRO) Qualifier U U	GC) RL 49.8 (GC) RL 49.8		Unit mg/Kg Unit mg/Kg		Prepared 07/22/25 08:39	Analyzed 07/24/25 15:52 Analyzed 07/24/25 15:52	Dil Fac Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	el Range Organ Result 49.8 sel Range Orga Result 49.8	cics (DRO) (Control of the Control o	GC) RL 49.8 (GC) RL 49.8		Unit mg/Kg Unit mg/Kg		Prepared 07/22/25 08:39	Analyzed 07/24/25 15:52 Analyzed 07/24/25 15:52	Dil Fac Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	el Range Organ Result 49.8 sel Range Orga Result 49.8 49.8	cics (DRO) (Control of the control o	GC) RL 49.8 (GC) RL 49.8 49.8		Unit mg/Kg Unit mg/Kg mg/Kg		Prepared 07/22/25 08:39 07/22/25 08:39	Analyzed 07/24/25 15:52 Analyzed 07/24/25 15:52 07/24/25 15:52	Dil Fac Dil Fac 1 1 1
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36)	el Range Organ Result 49.8 sel Range Orga Result 49.8 49.8 49.8	cics (DRO) (Control of the control o	GC) RL 49.8 (GC) RL 49.8 49.8 49.8		Unit mg/Kg Unit mg/Kg mg/Kg		Prepared 07/22/25 08:39 07/22/25 08:39	Analyzed 07/24/25 15:52 Analyzed 07/24/25 15:52 07/24/25 15:52 07/24/25 15:52	Dil Fac Dil Fac 1

Job ID: 890-8478-1

Matrix: Solid

Client Sample Results

Client: Earth Systems Response and Restoration

Project/Site: Nailed It B CTB SDG: Eddy County, NM Lab Sample ID: 890-8478-4

Client Sample ID: HA - 2

Date Collected: 07/18/25 12:15 Date Received: 07/21/25 09:55

Sample Depth: 0.5

Method: EPA 300.0 - Anions, Ion C	hromatograp	hy - Soluble	•						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2810		50.2		mg/Kg			07/22/25 22:14	5

Client Sample ID: HA - 2 Lab Sample ID: 890-8478-5 Matrix: Solid

Date Collected: 07/18/25 12:20 Date Received: 07/21/25 09:55

Sample Depth: 1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0.00200	U	0.00200		mg/Kg		07/21/25 12:27	07/22/25 12:55	
Toluene	<0.00200	U	0.00200		mg/Kg		07/21/25 12:27	07/22/25 12:55	•
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/21/25 12:27	07/22/25 12:55	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		07/21/25 12:27	07/22/25 12:55	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/21/25 12:27	07/22/25 12:55	
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		07/21/25 12:27	07/22/25 12:55	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	108		70 - 130				07/21/25 12:27	07/22/25 12:55	
1,4-Difluorobenzene (Surr)	95		70 - 130				07/21/25 12:27	07/22/25 12:55	1
Method: TAL SOP Total BTEX - 1	otal BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			07/22/25 12:55	1
Method: SW846 8015 NM - Diese	l Range Organ	ics (DRO) (GC)						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			07/24/25 16:08	1
Method: SW846 8015B NM - Dies	sel Range Orga	nics (DRO)	(GC)						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		07/22/25 08:39	07/24/25 16:08	1
Diesel Range Organics (Over	<50.1	U	50.1		mg/Kg		07/22/25 08:39	07/24/25 16:08	1
C10-C28) Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		07/22/25 08:39	07/24/25 16:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	108		70 - 130				07/22/25 08:39	07/24/25 16:08	
o-Terphenyl	108		70 - 130				07/22/25 08:39	07/24/25 16:08	1
Method: EPA 300.0 - Anions, Ion	Chromatograp	hy - Solubl	e						
Analyte	• •	Qualifier	RL	MDI	Unit	D	Prepared	Analyzed	Dil Fac
Allaly le	Result	Quanner	112	MIDL	Oilit		riepaieu	Allalyzou	Diriac

Client: Earth Systems Response and Restoration

Project/Site: Nailed It B CTB

Job ID: 890-8478-1

Lab Sample ID: 890-8478-6

SDG: Eddy County, NM

Matrix: Solid

Client Sample ID: HA - 2

Date Collected: 07/18/25 12:25 Date Received: 07/21/25 09:55

Sample Depth: 2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		07/21/25 12:27	07/22/25 13:15	1
Toluene	<0.00198	U	0.00198		mg/Kg		07/21/25 12:27	07/22/25 13:15	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		07/21/25 12:27	07/22/25 13:15	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		07/21/25 12:27	07/22/25 13:15	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		07/21/25 12:27	07/22/25 13:15	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		07/21/25 12:27	07/22/25 13:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	118		70 - 130				07/21/25 12:27	07/22/25 13:15	1
1,4-Difluorobenzene (Surr)	102		70 - 130				07/21/25 12:27	07/22/25 13:15	1
Method: TAL SOP Total BTEX - 1	Total BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			07/22/25 13:15	1
Method: SW846 8015 NM - Diese	el Range Organ	ics (DRO) (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			07/24/25 16:24	1
Method: SW846 8015B NM - Dies	sel Range Orga	nics (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		07/22/25 08:39	07/24/25 16:24	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		07/22/25 08:39	07/24/25 16:24	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		07/22/25 08:39	07/24/25 16:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	113		70 - 130				07/22/25 08:39	07/24/25 16:24	1
o-Terphenyl	112		70 - 130				07/22/25 08:39	07/24/25 16:24	1
Method: EPA 300.0 - Anions, Ion	Chromatograp	hy - Solubl	e						

Client Sample ID: HA - 3

Date Collected: 07/18/25 12:30 Date Received: 07/21/25 09:55

Sample Depth: 0.5

Chloride

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		07/21/25 12:27	07/22/25 13:36	1
Toluene	<0.00201	U	0.00201		mg/Kg		07/21/25 12:27	07/22/25 13:36	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		07/21/25 12:27	07/22/25 13:36	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		07/21/25 12:27	07/22/25 13:36	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		07/21/25 12:27	07/22/25 13:36	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		07/21/25 12:27	07/22/25 13:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)			70 - 130				07/21/25 12:27	07/22/25 13:36	

10.1

mg/Kg

129

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07/22/25 22:29

Lab Sample ID: 890-8478-7

Client: Earth Systems Response and Restoration

Project/Site: Nailed It B CTB

Job ID: 890-8478-1

SDG: Eddy County, NM

Client Sample ID: HA - 3

Date Collected: 07/18/25 12:30 Date Received: 07/21/25 09:55

Sample Depth: 0.5

Lab Sample ID: 890-8478-7

Matrix: Solid

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

%Recovery Qualifier Limits Prepared Surrogate Analyzed Dil Fac 07/21/25 12:27 1,4-Difluorobenzene (Surr) 97 70 - 130 07/22/25 13:36

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte Result Qualifier RL MDL Unit D Analyzed Dil Fac Prepared Total BTEX <0.00402 0.00402 07/22/25 13:36 mg/Kg

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

Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac Total TPH <49.9 49.9 07/24/25 16:41 mg/Kg

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

MDL Unit Analyte Result Qualifier RL D Prepared Analyzed Dil Fac <49.9 U mg/Kg Gasoline Range Organics 49.9 07/22/25 08:39 07/24/25 16:41 (GRO)-C6-C10 <49.9 U 49.9 07/22/25 08:39 07/24/25 16:41 Diesel Range Organics (Over mg/Kg C10-C28) Oil Range Organics (Over C28-C36) <49.9 U 49.9 mg/Kg 07/22/25 08:39 07/24/25 16:41

Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac 1-Chlorooctane 114 70 - 130 07/22/25 08:39 07/24/25 16:41 114 70 - 130 07/22/25 08:39 07/24/25 16:41 o-Terphenyl

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac 99.6 07/22/25 22:37 Chloride 7490 mg/Kg

Lab Sample ID: 890-8478-8 Client Sample ID: HA - 3

Date Collected: 07/18/25 12:35 Date Received: 07/21/25 09:55

Sample Depth: 1

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

Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac Benzene <0.00201 U 0.00201 mg/Kg 07/21/25 12:27 07/22/25 13:56 Toluene <0.00201 U 0.00201 07/21/25 12:27 07/22/25 13:56 mg/Kg Ethylbenzene <0.00201 U 0.00201 07/21/25 12:27 07/22/25 13:56 mg/Kg 07/22/25 13:56 m-Xylene & p-Xylene <0.00402 U 0.00402 07/21/25 12:27 mg/Kg o-Xylene <0.00201 U 0.00201 mg/Kg 07/21/25 12:27 07/22/25 13:56 Xylenes, Total <0.00402 U 0.00402 mg/Kg 07/21/25 12:27 07/22/25 13:56

Qualifier Limits Dil Fac Surrogate %Recovery Prepared Analyzed 70 - 130 07/21/25 12:27 4-Bromofluorobenzene (Surr) 122 07/22/25 13:56 1,4-Difluorobenzene (Surr) 100 70 - 130 07/21/25 12:27 07/22/25 13:56

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte Result Qualifier RL MDL D Unit Prepared Analyzed Dil Fac Total BTEX <0.00402 0.00402 07/22/25 13:56 mg/Kg

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

Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac <49.7 U Total TPH 49.7 07/24/25 16:58 mg/Kg

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Client: Earth Systems Response and Restoration

Project/Site: Nailed It B CTB

Client Sample ID: HA - 3

Date Collected: 07/18/25 12:35 Date Received: 07/21/25 09:55

Sample Depth: 1

Lab Sample ID: 890-8478-8

Prepared

D

Matrix: Solid

Analyzed

07/22/25 23:00

Lab Sample ID: 890-8478-9

Job ID: 890-8478-1

SDG: Eddy County, NM

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) Analyte Result Qualifier RL MDL Unit Analyzed Dil Fac D Prepared <49.7 U 49.7 07/22/25 08:39 07/24/25 16:58 Gasoline Range Organics mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over 07/22/25 08:39 07/24/25 16:58 <49.7 U 49.7 mg/Kg C10-C28) mg/Kg Oil Range Organics (Over C28-C36) <49.7 U 49.7 07/22/25 08:39 07/24/25 16:58 %Recovery Qualifier Limits Prepared Analyzed Dil Fac Surrogate 1-Chlorooctane 70 - 130 07/22/25 08:39 07/24/25 16:58 112 o-Terphenyl 112 70 - 130 07/22/25 08:39 07/24/25 16:58 Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

RL

101

MDL Unit

mg/Kg

Result Qualifier

3470

Client Sample ID: HA - 3

Date Collected: 07/18/25 12:40

Date Received: 07/21/25 09:55

Sample Depth: 2

Analyte

Chloride

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		07/21/25 12:27	07/22/25 14:17	1
Toluene	< 0.00199	U	0.00199		mg/Kg		07/21/25 12:27	07/22/25 14:17	1
Ethylbenzene	< 0.00199	U	0.00199		mg/Kg		07/21/25 12:27	07/22/25 14:17	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		07/21/25 12:27	07/22/25 14:17	1
o-Xylene	< 0.00199	U	0.00199		mg/Kg		07/21/25 12:27	07/22/25 14:17	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/21/25 12:27	07/22/25 14:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)			70 - 130				07/21/25 12:27	07/22/25 14:17	1
1,4-Difluorobenzene (Surr)	99		70 - 130				07/21/25 12:27	07/22/25 14:17	1
Analyte Total RTEV		Qualifier	RL 0.00308	MDL		D	Prepared	Analyzed	
Total BTEX Method: SW846 8015 NM - Diese	<0.00398	ics (DRO) (0.00398 GC)		mg/Kg	<u>b</u>		07/22/25 14:17	1
Total BTEX	<0.00398	ics (DRO) (Qualifier	0.00398		mg/Kg		Prepared		1
Total BTEX Method: SW846 8015 NM - Diese Analyte	<0.00398 el Range Organ Result <49.8 sel Range Organ	ics (DRO) (Gualifier	0.00398 GC) RL 49.8	MDL	mg/Kg			07/22/25 14:17 Analyzed	Dil Fac
Total BTEX Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese	<0.00398 el Range Organ Result <49.8 sel Range Organ	ics (DRO) (Qualifier Unics (DRO) Qualifier	0.00398 GC) RL 49.8 (GC)	MDL	mg/Kg Unit mg/Kg	<u>D</u>	Prepared	07/22/25 14:17 Analyzed 07/24/25 17:14	Dil Fac
Total BTEX Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics	<0.00398 el Range Organ Result <49.8 sel Range Organ Result Result	ics (DRO) (Qualifier U nics (DRO) Qualifier U U U	0.00398 GC) RL 49.8 (GC) RL	MDL	mg/Kg Unit mg/Kg Unit	<u>D</u>	Prepared Prepared	07/22/25 14:17 Analyzed 07/24/25 17:14 Analyzed	Dil Fac
Total BTEX Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	<0.00398 el Range Organ Result <49.8 sel Range Orga Result <49.8	ics (DRO) (Qualifier U nics (DRO) Qualifier U U U	0.00398 GC) RL 49.8 (GC) RL 49.8	MDL	mg/Kg Unit mg/Kg Unit mg/Kg	<u>D</u>	Prepared Prepared 07/22/25 08:39	07/22/25 14:17 Analyzed 07/24/25 17:14 Analyzed 07/24/25 17:14	Dil Fac Dil Fac
Total BTEX Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36)	<0.00398 el Range Organ Result <49.8 sel Range Orga Result <49.8 <49.8	ics (DRO) (Qualifier U mics (DRO) Qualifier U U U	0.00398 RL 49.8 (GC) RL 49.8 49.8	MDL	mg/Kg Unit mg/Kg Unit mg/Kg mg/Kg	<u>D</u>	Prepared Prepared 07/22/25 08:39 07/22/25 08:39	07/22/25 14:17 Analyzed 07/24/25 17:14 Analyzed 07/24/25 17:14 07/24/25 17:14	Dil Fac Dil Fac 1 Dil Fac
Total BTEX Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	<0.00398 el Range Organ Result <49.8 sel Range Orga Result <49.8 <49.8 <49.8	ics (DRO) (Qualifier U mics (DRO) Qualifier U U U	0.00398 RL 49.8 (GC) RL 49.8 49.8 49.8	MDL	mg/Kg Unit mg/Kg Unit mg/Kg mg/Kg	<u>D</u>	Prepared Prepared 07/22/25 08:39 07/22/25 08:39	07/22/25 14:17 Analyzed 07/24/25 17:14 Analyzed 07/24/25 17:14 07/24/25 17:14	Dil Fac

Eurofins Carlsbad

Dil Fac

Matrix: Solid

Client Sample Results

Client: Earth Systems Response and Restoration

Project/Site: Nailed It B CTB

Lab Sample ID: 890-8478-9

Client Sample ID: HA - 3

Date Collected: 07/18/25 12:40

Date Received: 07/21/25 09:55

Sample Depth: 2

Method: EPA 300.0 - Anions, Ion C	hromatograp	hy - Soluble	•						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	134		10.0		mg/Kg			07/22/25 23:08	1

Client Sample ID: HA - 4 Lab Sample ID: 890-8478-10 **Matrix: Solid**

Date Collected: 07/18/25 12:45 Date Received: 07/21/25 09:55

Oil Range Organics (Over C28-C36)

Released to Imaging: 12/12/2025 2:49:03 PM

Sample Depth: 0.5

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		07/21/25 12:27	07/22/25 16:00	1
Toluene	<0.00202	U	0.00202		mg/Kg		07/21/25 12:27	07/22/25 16:00	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		07/21/25 12:27	07/22/25 16:00	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		07/21/25 12:27	07/22/25 16:00	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		07/21/25 12:27	07/22/25 16:00	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		07/21/25 12:27	07/22/25 16:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)			70 - 130				07/21/25 12:27	07/22/25 16:00	1
1,4-Difluorobenzene (Surr)	102		70 - 130				07/21/25 12:27	07/22/25 16:00	1
Analyte		Qualifier	RL	MDL		D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			07/22/25 16:00	1
Method: SW846 8015 NM - Die	sel Range Organ	ics (DRO) (GC)						
Method: SW846 8015 NM - Die Analyte	•	ics (DRO) (C Qualifier	GC) RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	•	Qualifier	•	MDL	Unit mg/Kg	<u>D</u>	Prepared	Analyzed 07/24/25 17:30	Dil Fac
Analyte	Result <50.0	Qualifier U	RL 50.0	MDL		<u>D</u>	Prepared		Dil Fac
Analyte Total TPH	Result <50.0	Qualifier U	RL 50.0	MDL	mg/Kg	<u>D</u>	Prepared Prepared		1
Analyte Total TPH Method: SW846 8015B NM - Di	Result <50.0	Qualifier Unics (DRO) Qualifier	RL 50.0		mg/Kg			07/24/25 17:30	Dil Fac Dil Fac

	Surrogate	%Recovery	Qualifier	Limits		Prepared	Analyzed	Dil Fac
	1-Chlorooctane	109		70 - 130	07	7/22/25 08:39	07/24/25 17:30	1
	o-Terphenyl	109		70 - 130	0	7/22/25 08:39	07/24/25 17:30	1
į	_							

50.0

mg/Kg

07/22/25 08:39

07/24/25 17:30

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble										
	Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Chloride	93.4		9.96		mg/Kg			07/22/25 23:15	1

Eurofins Carlsbad

<50.0 U

Matrix: Solid

Client Sample Results

Client: Earth Systems Response and Restoration

Project/Site: Nailed It B CTB

Job ID: 890-8478-1 SDG: Eddy County, NM

Lab Sample ID: 890-8478-11

Client Sample ID: HA - 4

Date Collected: 07/18/25 12:50 Date Received: 07/21/25 09:55

Sample Depth: 1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		07/21/25 12:27	07/22/25 16:21	1
Toluene	<0.00201	U	0.00201		mg/Kg		07/21/25 12:27	07/22/25 16:21	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		07/21/25 12:27	07/22/25 16:21	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		07/21/25 12:27	07/22/25 16:21	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		07/21/25 12:27	07/22/25 16:21	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		07/21/25 12:27	07/22/25 16:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130				07/21/25 12:27	07/22/25 16:21	1
1,4-Difluorobenzene (Surr)	92		70 - 130				07/21/25 12:27	07/22/25 16:21	1
Method: TAL SOP Total BTEX -	Total BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			07/22/25 16:21	1
• •					mg/Kg			07/22/25 16:21	1
Total BTEX Method: SW846 8015 NM - Diese Analyte	el Range Organ			MDL		D	Prepared	07/22/25 16:21 Analyzed	·
: Method: SW846 8015 NM - Diese	el Range Organ	ics (DRO) (GC)	MDL		<u>D</u>	Prepared		Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH	el Range Organ Result <50.0	ics (DRO) (Gualifier	GC) RL 50.0	MDL	Unit	<u>D</u>	Prepared	Analyzed	·
Method: SW846 8015 NM - Diese Analyte	el Range Organ Result <50.0 sel Range Organ	ics (DRO) (Gualifier	GC) RL 50.0	MDL MDL	Unit mg/Kg	<u>D</u>	Prepared Prepared	Analyzed	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics	el Range Organ Result <50.0 sel Range Organ	Qualifier Unics (DRO) Qualifier	RL 50.0		Unit mg/Kg			Analyzed 07/24/25 18:03	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte	el Range Organ Result <50.0 sel Range Orga Result	ics (DRO) (Qualifier U unics (DRO) Qualifier U	(GC) RL RL		Unit mg/Kg		Prepared	Analyzed 07/24/25 18:03	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	el Range Organ Result Result <50.0 sel Range Orga Result <50.0	ics (DRO) (Control of the Control of	(GC) RL 50.0 RL 50.0		Unit mg/Kg Unit mg/Kg		Prepared 07/22/25 08:39	Analyzed 07/24/25 18:03 Analyzed 07/24/25 18:03	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	el Range Organ Result Result <50.0 sel Range Orga Result <50.0 <50.0	ics (DRO) (Control of the Control of	GC) RL 50.0 (GC) RL 50.0 50.0		Unit mg/Kg Unit mg/Kg mg/Kg		Prepared 07/22/25 08:39 07/22/25 08:39	Analyzed 07/24/25 18:03 Analyzed 07/24/25 18:03 07/24/25 18:03	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36)	el Range Organ	ics (DRO) (Control of the Control of	GC) RL 50.0 (GC) RL 50.0 50.0 50.0		Unit mg/Kg Unit mg/Kg mg/Kg		Prepared 07/22/25 08:39 07/22/25 08:39	Analyzed 07/24/25 18:03 Analyzed 07/24/25 18:03 07/24/25 18:03 07/24/25 18:03	Dil Fac

Client Sample ID: HA - 4

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Result Qualifier

68.6

Date Collected: 07/18/25 12:55 Date Received: 07/21/25 09:55

Sample Depth: 2

Analyte

Chloride

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		07/21/25 12:27	07/22/25 16:41	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/21/25 12:27	07/22/25 16:41	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/21/25 12:27	07/22/25 16:41	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		07/21/25 12:27	07/22/25 16:41	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		07/21/25 12:27	07/22/25 16:41	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/21/25 12:27	07/22/25 16:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)			70 - 130				07/21/25 12:27	07/22/25 16:41	1

RL

10.1

MDL Unit

mg/Kg

D

Prepared

Eurofins Carlsbad

Dil Fac

Matrix: Solid

Analyzed

07/22/25 23:23

Lab Sample ID: 890-8478-12

Client: Earth Systems Response and Restoration

Project/Site: Nailed It B CTB

Job ID: 890-8478-1

SDG: Eddy County, NM

Client Sample ID: HA - 4

Date Collected: 07/18/25 12:55 Date Received: 07/21/25 09:55

Sample Depth: 2

Lab Sample ID: 890-8478-12

Lab Sample ID: 890-8478-13

Matrix: Solid

Matrix: Solid

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

%Recovery Qualifier Limits Prepared Surrogate Analyzed Dil Fac 07/21/25 12:27 1,4-Difluorobenzene (Surr) 98 70 - 130 07/22/25 16:41

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte Result Qualifier RL MDL Unit D Analyzed Dil Fac Prepared Total BTEX <0.00398 0.00398 07/22/25 16:41 mg/Kg

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

Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac Total TPH <50.0 50.0 07/24/25 18:20 mg/Kg

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

MDL Unit Analyte Result Qualifier RL D Prepared Analyzed Dil Fac <50.0 U mg/Kg 07/24/25 18:20 Gasoline Range Organics 50.0 07/22/25 08:39 (GRO)-C6-C10 <50.0 U 50.0 07/22/25 08:39 07/24/25 18:20 Diesel Range Organics (Over mg/Kg C10-C28) Oil Range Organics (Over C28-C36) <50.0 U 50.0 mg/Kg 07/22/25 08:39 07/24/25 18:20

Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac 1-Chlorooctane 112 70 - 130 07/22/25 08:39 07/24/25 18:20 112 70 - 130 07/22/25 08:39 07/24/25 18:20 o-Terphenyl

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac 10.1 07/22/25 23:31 Chloride 97.1 mg/Kg

Client Sample ID: HA - 5

Date Collected: 07/18/25 13:00

Date Received: 07/21/25 09:55 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 07/21/25 12:27 07/22/25 17:02 0.00199 07/21/25 12:27 07/22/25 17:02 mg/Kg **Toluene** 0.00248 <0.00199 U 0.00199 07/21/25 12:27 07/22/25 17:02 Ethylbenzene mg/Kg 07/21/25 12:27 07/22/25 17:02 0.00398 m-Xylene & p-Xylene 0.00786 mg/Kg o-Xylene <0.00199 U 0.00199 mg/Kg 07/21/25 12:27 07/22/25 17:02 0.00398 mg/Kg 07/21/25 12:27 07/22/25 17:02 **Xylenes, Total** 0.00786

%Recovery Qualifier Limits Dil Fac Surrogate Prepared Analyzed 70 - 130 116 07/21/25 12:27 4-Bromofluorobenzene (Surr) 07/22/25 17:02 1,4-Difluorobenzene (Surr) 105 70 - 130 07/21/25 12:27 07/22/25 17:02

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte Result Qualifier MDL D RL Unit Prepared Analyzed Dil Fac 0.00398 07/22/25 17:02 **Total BTEX** 0.0103 mg/Kg

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

Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac <49.8 U Total TPH 49.8 07/24/25 18:36 mg/Kg

Client: Earth Systems Response and Restoration

Project/Site: Nailed It B CTB

SDG: Eddy County, NM

Job ID: 890-8478-1

Client Sample ID: HA - 5

Date Collected: 07/18/25 13:00 Date Received: 07/21/25 09:55

Sample Depth: 0.5

Lab Sample ID: 890-8478-13

Lab Sample ID: 890-8478-14

Matrix: Solid

Matrix: Solid

Dil Fac

ر ا

10

11

13

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		07/22/25 08:39	07/24/25 18:36	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		07/22/25 08:39	07/24/25 18:36	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		07/22/25 08:39	07/24/25 18:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane			70 - 130				07/22/25 08:39	07/24/25 18:36	1
o-Terphenyl	113		70 - 130				07/22/25 08:39	07/24/25 18:36	1
Method: EPA 300.0 - Anions, Ion	Chromatograp	hy - Solubl	le						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac

Client Sample ID: HA - 5

Date Collected: 07/18/25 13:05

Date Received: 07/21/25 09:55

Sample Depth: 1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		07/21/25 12:27	07/22/25 17:22	1
Toluene	<0.00201	U	0.00201		mg/Kg		07/21/25 12:27	07/22/25 17:22	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		07/21/25 12:27	07/22/25 17:22	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		07/21/25 12:27	07/22/25 17:22	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		07/21/25 12:27	07/22/25 17:22	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		07/21/25 12:27	07/22/25 17:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130				07/21/25 12:27	07/22/25 17:22	1
1,4-Difluorobenzene (Surr)	100		70 - 130				07/21/25 12:27	07/22/25 17:22	1
Method: TAL SOP Total BTEX - 1	otal BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			07/22/25 17:22	1
Method: SW846 8015 NM - Diese	l Range Organ	ics (DRO) (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			07/24/25 18:52	1
Method: SW846 8015B NM - Dies	sel Range Orga	nics (DRO)	(GC)						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		07/22/25 08:39	07/24/25 18:52	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/22/25 08:39	07/24/25 18:52	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/22/25 08:39	07/24/25 18:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane			70 - 130				07/22/25 08:39	07/24/25 18:52	1
1-Chiloroociane	110		, , , , , ,						-

Client: Earth Systems Response and Restoration

Project/Site: Nailed It B CTB

Job ID: 890-8478-1

SDG: Eddy County, NM

Client Sample ID: HA - 5

Date Collected: 07/18/25 13:05 Date Received: 07/21/25 09:55

Sample Depth: 1

Lab Sample ID: 890-8478-14

Matrix: Solid

Method: EPA 300.0 - Anions, Ion C	hromatograp	hy - Soluble							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	209		9.96		mg/Kg			07/23/25 00:01	1

Client Sample ID: HA - 5 Lab Sample ID: 890-8478-15 **Matrix: Solid**

Date Collected: 07/18/25 13:10

Date Received: 07/21/25 09:55

Sample Depth: 2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0.00200	U	0.00200		mg/Kg		07/21/25 12:27	07/22/25 17:43	
Toluene	<0.00200	U	0.00200		mg/Kg		07/21/25 12:27	07/22/25 17:43	
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/21/25 12:27	07/22/25 17:43	
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		07/21/25 12:27	07/22/25 17:43	
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/21/25 12:27	07/22/25 17:43	
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		07/21/25 12:27	07/22/25 17:43	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	123		70 - 130				07/21/25 12:27	07/22/25 17:43	
1,4-Difluorobenzene (Surr)	101		70 - 130				07/21/25 12:27	07/22/25 17:43	
Method: TAL SOP Total BTEX - 1	Total BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Total BTEX	<0.00399	U	0.00399		mg/Kg			07/22/25 17:43	•
Method: SW846 8015 NM - Diese Analyte		ics (DRO) (C	GC)	MDL	Unit	D	Prepared	Analyzed	Dil Fa
		Quanner	IXL.	IVIDE	Oilit				
Total TPH	<50.0	U	50.0		ma/Ka				
Total TPH	<50.0		50.0		mg/Kg			07/24/25 19:09	
Method: SW846 8015B NM - Dies	sel Range Orga	nics (DRO)	(GC)	MDI		— –		07/24/25 19:09	
Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics	sel Range Orga	nics (DRO) Qualifier		MDL		<u>D</u>	Prepared 07/22/25 08:39		Dil Fac
Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	sel Range Orga Result	nics (DRO) Qualifier	(GC)	MDL	Unit	<u>D</u>	Prepared	07/24/25 19:09 Analyzed	Dil Fa
Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	sel Range Orga Result <50.0	nics (DRO) Qualifier U	(GC) RL 50.0	MDL	Unit mg/Kg	<u>D</u>	Prepared 07/22/25 08:39	07/24/25 19:09 Analyzed 07/24/25 19:09	Dil Fa
Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36)	sel Range Orga Result <50.0	nics (DRO) Qualifier U U	(GC) RL 50.0	MDL	Unit mg/Kg mg/Kg	<u>D</u>	Prepared 07/22/25 08:39 07/22/25 08:39	07/24/25 19:09 Analyzed 07/24/25 19:09 07/24/25 19:09	Dil Fa
Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) Surrogate	sel Range Orga Result <50.0 <50.0	nics (DRO) Qualifier U U	(GC) RL 50.0 50.0 50.0	MDL	Unit mg/Kg mg/Kg	<u>D</u>	Prepared 07/22/25 08:39 07/22/25 08:39	07/24/25 19:09 Analyzed 07/24/25 19:09 07/24/25 19:09 07/24/25 19:09	Dil Fa
Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) Surrogate 1-Chlorooctane	Name	nics (DRO) Qualifier U U	(GC) RL 50.0 50.0 50.0 <i>Limits</i>	MDL	Unit mg/Kg mg/Kg	<u>D</u>	Prepared 07/22/25 08:39 07/22/25 08:39 07/22/25 08:39 Prepared	07/24/25 19:09 Analyzed 07/24/25 19:09 07/24/25 19:09 07/24/25 19:09 Analyzed	Dil Fa
Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl Method: EPA 300.0 - Anions, Ion	Sel Range Orga Result	Nics (DRO) Qualifier U U Qualifier	RL 50.0 50.0 50.0 50.0 Limits 70 - 130 70 - 130	MDL	Unit mg/Kg mg/Kg	<u>D</u>	Prepared 07/22/25 08:39 07/22/25 08:39 07/22/25 08:39 Prepared 07/22/25 08:39	07/24/25 19:09 Analyzed 07/24/25 19:09 07/24/25 19:09 Analyzed 07/24/25 19:09	Dil Fac
Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl	Sel Range Orga Result	Nics (DRO) Qualifier U U Qualifier	RL 50.0 50.0 50.0 50.0 Limits 70 - 130 70 - 130	MDL	Unit mg/Kg mg/Kg mg/Kg	<u>D</u>	Prepared 07/22/25 08:39 07/22/25 08:39 07/22/25 08:39 Prepared 07/22/25 08:39	07/24/25 19:09 Analyzed 07/24/25 19:09 07/24/25 19:09 Analyzed 07/24/25 19:09	Dil Fac

Matrix: Solid

Client Sample Results

Client: Earth Systems Response and Restoration

Project/Site: Nailed It B CTB

Job ID: 890-8478-1 SDG: Eddy County, NM

Lab Sample ID: 890-8478-16

Client Sample ID: HA - 5

Date Collected: 07/18/25 13:15 Date Received: 07/21/25 09:55

Sample Depth: 3

Method: SW846 8021B - Volatile	Organic Comp	ounds (GC))						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		07/21/25 12:27	07/22/25 18:03	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/21/25 12:27	07/22/25 18:03	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/21/25 12:27	07/22/25 18:03	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		07/21/25 12:27	07/22/25 18:03	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		07/21/25 12:27	07/22/25 18:03	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/21/25 12:27	07/22/25 18:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	120		70 - 130				07/21/25 12:27	07/22/25 18:03	1
1,4-Difluorobenzene (Surr)	100		70 - 130				07/21/25 12:27	07/22/25 18:03	1
Total BTEX	<0.00398		0.00398 GC)		mg/Kg			07/22/25 18:03	'
Analyte		Qualifier	GC) RL	MDI	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8		49.8		mg/Kg		Теригеи	07/24/25 19:25	1
Method: SW846 8015B NM - Die	sel Range Orga	nics (DRO)	(GC)						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		07/22/25 08:39	07/24/25 19:25	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		07/22/25 08:39	07/24/25 19:25	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		07/22/25 08:39	07/24/25 19:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble Analyte Result Qualifier

109

110

RL MDL Unit D Prepared Dil Fac Analyzed 10.0 07/23/25 00:32 Chloride 104 mg/Kg

70 - 130

70 - 130

Client Sample ID: HA - 6 Date Collected: 07/18/25 13:20 Date Received: 07/21/25 09:55

Sample Depth: 0.5

1-Chlorooctane

o-Terphenyl

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		07/21/25 12:27	07/22/25 18:24	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/21/25 12:27	07/22/25 18:24	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/21/25 12:27	07/22/25 18:24	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		07/21/25 12:27	07/22/25 18:24	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		07/21/25 12:27	07/22/25 18:24	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/21/25 12:27	07/22/25 18:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)			70 - 130				07/21/25 12:27	07/22/25 18:24	1

Eurofins Carlsbad

07/22/25 08:39

07/22/25 08:39

07/24/25 19:25

07/24/25 19:25

Lab Sample ID: 890-8478-17

Client: Earth Systems Response and Restoration

Project/Site: Nailed It B CTB

Job ID: 890-8478-1

SDG: Eddy County, NM

Client Sample ID: HA - 6

Date Collected: 07/18/25 13:20 Date Received: 07/21/25 09:55

Sample Depth: 0.5

.ab	Jaili	Pic	ID.	030-0-1	0-17
				Matrix:	Solid

Lab Sample ID: 890-8478-17

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

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	98	70 - 130	07/21/25 12:27	07/22/25 18:24	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit)	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg		_	07/22/25 18:24	1

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

Analyte	Result Qualifie	er RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0 U	50.0	mg/Kg			07/24/25 19:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/22/25 08:39	07/24/25 19:42	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/22/25 08:39	07/24/25 19:42	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/22/25 08:39	07/24/25 19:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	109		70 - 130	07/22/25 08:	07/24/25 19:42	1
o-Terphenyl	108		70 - 130	07/22/25 08:	39 07/24/25 19:42	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2900		99.8		mg/Kg			07/23/25 00:39	10

Lab Sample ID: 890-8478-18 Client Sample ID: HA - 6 Date Collected: 07/18/25 13:25 **Matrix: Solid**

Date Received: 07/21/25 09:55

Sample Depth: 1

 Mathad.	CIMO 4C	0024D	Valatila Ossania	Compounds (GC)
viernoa:	SVVA4n	AUZID .	· voiatile Organic	: Compounds (GC)

Method. Stroto 002 ID - Volati	ie Organic Comp		,						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/21/25 12:27	07/22/25 18:44	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/21/25 12:27	07/22/25 18:44	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/21/25 12:27	07/22/25 18:44	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		07/21/25 12:27	07/22/25 18:44	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/21/25 12:27	07/22/25 18:44	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		07/21/25 12:27	07/22/25 18:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		70 - 130				07/21/25 12:27	07/22/25 18:44	1
1 4-Difluorobenzene (Surr)	101		70 130				07/21/25 12:27	07/22/25 18:44	1

Mothod: TAI	SOP Total RTFY	- Total RTFY	Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	< 0.00399	U	0.00399		mg/Kg			07/22/25 18:44	1

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

Analyte	Result	Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			07/24/25 19:58	1

Job ID: 890-8478-1

SDG: Eddy County, NM

Client Sample Results

Client: Earth Systems Response and Restoration

Project/Site: Nailed It B CTB

Lab Sample ID: 890-8478-18

Client Sample ID: HA - 6 Date Collected: 07/18/25 13:25 Date Received: 07/21/25 09:55

Matrix: Solid

07/23/25 00:47

Sample Depth: 1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/22/25 08:39	07/24/25 19:58	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/22/25 08:39	07/24/25 19:58	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/22/25 08:39	07/24/25 19:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	114		70 - 130				07/22/25 08:39	07/24/25 19:58	1
o-Terphenyl	112		70 - 130				07/22/25 08:39	07/24/25 19:58	1
Method: EPA 300.0 - Anions, Ion	Chromatograp	hy - Solubl	e						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac

Lab Sample ID: 890-8478-19 Client Sample ID: HA - 6 Matrix: Solid

10.0

mg/Kg

97.8

Date Collected: 07/18/25 13:30 Date Received: 07/21/25 09:55

Sample Depth: 2

Chloride

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		07/21/25 12:27	07/22/25 19:04	1
Toluene	<0.00201	U	0.00201		mg/Kg		07/21/25 12:27	07/22/25 19:04	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		07/21/25 12:27	07/22/25 19:04	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		07/21/25 12:27	07/22/25 19:04	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		07/21/25 12:27	07/22/25 19:04	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		07/21/25 12:27	07/22/25 19:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	118		70 - 130				07/21/25 12:27	07/22/25 19:04	1
1,4-Difluorobenzene (Surr)	103		70 - 130				07/21/25 12:27	07/22/25 19:04	1
Method: TAL SOP Total BTEX - T	otal BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			07/22/25 19:04	1
Method: SW846 8015 NM - Diese	l Range Organ	ics (DRO) (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			07/24/25 20:14	1
Method: SW846 8015B NM - Dies	sel Range Orga	nics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/22/25 08:39	07/24/25 20:14	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/22/25 08:39	07/24/25 20:14	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/22/25 08:39	07/24/25 20:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	107		70 - 130				07/22/25 08:39	07/24/25 20:14	1

Client: Earth Systems Response and Restoration

Project/Site: Nailed It B CTB

SDG: Eddy County, NM

Client Sample ID: HA - 6

Date Received: 07/21/25 09:55

Lab Sample ID: 890-8478-19 Date Collected: 07/18/25 13:30

Matrix: Solid

Job ID: 890-8478-1

Sample Depth: 2

Method: EPA 300.0 - Anions, Ion C	hromatography - Solu	ıble					
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Chloride	133	9.96	mg/Kg			07/23/25 00:55	1

Surrogate Summary

Client: Earth Systems Response and Restoration

Job ID: 890-8478-1 Project/Site: Nailed It B CTB SDG: Eddy County, NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid Prep Type: Total/NA

		DED:	DEDT:	Percent Surrogate Recovery (Acceptance Limits)
		BFB1	DFBZ1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
890-8478-1	HA - 1	119	104	
890-8478-1 MS	HA - 1	109	96	
890-8478-1 MSD	HA - 1	104	99	
890-8478-2	HA - 1	113	96	
890-8478-3	HA - 1	115	98	
890-8478-4	HA - 2	110	97	
890-8478-5	HA - 2	108	95	
890-8478-6	HA - 2	118	102	
890-8478-7	HA - 3	115	97	
890-8478-8	HA - 3	122	100	
890-8478-9	HA - 3	114	99	
890-8478-10	HA - 4	113	102	
890-8478-11	HA - 4	109	92	
890-8478-12	HA - 4	113	98	
890-8478-13	HA - 5	116	105	
890-8478-14	HA - 5	116	100	
890-8478-15	HA - 5	123	101	
890-8478-16	HA - 5	120	100	
890-8478-17	HA - 6	118	98	
890-8478-18	HA - 6	119	101	
890-8478-19	HA - 6	118	103	
LCS 880-114596/1-A	Lab Control Sample	112	96	
LCSD 880-114596/2-A	Lab Control Sample Dup	102	93	
MB 880-114596/5-A	Method Blank	104	97	

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid Prep Type: Total/NA

				Percen
		1CO1	OTPH1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
890-8478-1	HA - 1	115	123	
890-8478-1 MS	HA - 1	108	113	
890-8478-1 MSD	HA - 1	123	112	
890-8478-2	HA - 1	108	110	
890-8478-3	HA - 1	108	107	
890-8478-4	HA - 2	113	112	
890-8478-5	HA - 2	108	108	
890-8478-6	HA - 2	113	112	
890-8478-7	HA - 3	114	114	
890-8478-8	HA - 3	112	112	
890-8478-9	HA - 3	122	122	
890-8478-10	HA - 4	109	109	
890-8478-11	HA - 4	115	113	
890-8478-12	HA - 4	112	112	
890-8478-13	HA - 5	112	113	

Surrogate Summary

Job ID: 890-8478-1 Client: Earth Systems Response and Restoration Project/Site: Nailed It B CTB SDG: Eddy County, NM

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

Matrix: Solid Prep Type: Total/NA

				Percent Surrogate Recovery (Acceptance Limits)
		1CO1	OTPH1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
890-8478-14	HA - 5	115	116	
890-8478-15	HA - 5	110	110	
890-8478-16	HA - 5	109	110	
890-8478-17	HA - 6	109	108	
890-8478-18	HA - 6	114	112	
890-8478-19	HA - 6	107	106	
LCS 880-114637/2-A	Lab Control Sample	96	98	
LCSD 880-114637/3-A	Lab Control Sample Dup	100	102	
MB 880-114637/1-A	Method Blank	93	88	
Surrogate Legend				
1CO = 1-Chlorooctane				

OTPH = o-Terphenyl

Client: Earth Systems Response and Restoration

Project/Site: Nailed It B CTB

Job ID: 890-8478-1 SDG: Eddy County, NM

Prep Type: Total/NA

Client Sample ID: Method Blank

Client Sample ID: Lab Control Sample

70 - 130

70 - 130

70 - 130

Client Sample ID: Lab Control Sample Dup

70 - 130

Prep Type: Total/NA

35

109

109

110

104

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-114596/5-A

Matrix: Solid

Analysis Batch: 114645								Prep Batch:	114596
	МВ	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/21/25 12:27	07/22/25 11:12	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/21/25 12:27	07/22/25 11:12	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/21/25 12:27	07/22/25 11:12	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		07/21/25 12:27	07/22/25 11:12	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/21/25 12:27	07/22/25 11:12	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		07/21/25 12:27	07/22/25 11:12	1

MB MB

	Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
	4-Bromofluorobenzene (Surr)	104		70 - 130	07/21/25 12:27	07/22/25 11:12	1
l	1,4-Difluorobenzene (Surr)	97		70 - 130	07/21/25 12:27	07/22/25 11:12	1

Lab Sample ID: LCS 880-114596/1-A

Ethylbenzene

o-Xylene

m-Xylene & p-Xylene

Matrix: Solid							Prep Ty	pe: Total/NA
Analysis Batch: 114645							Prep B	atch: 114596
	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.1167		mg/Kg		117	70 - 130	
Toluene	0.100	0.1033		mg/Kg		103	70 - 130	

0.1090

0.2176

0.1101

mg/Kg

mg/Kg

mg/Kg

mg/Kg

0.100

0.200

0.100

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

Lab Sample ID: LCSD 880-114596/2-A

Matrix: Solid

Analysis Batch: 114645							Prep I	3atch: 1	14596
	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.100	0.1139		mg/Kg		114	70 - 130	2	35
Toluene	0.100	0.1001		mg/Kg		100	70 - 130	3	35
Ethylbenzene	0.100	0.1035		mg/Kg		103	70 - 130	5	35
m-Xvlene & p-Xvlene	0.200	0.2053		ma/Ka		103	70 - 130	6	35

0.1045

0.100

LCSD LCSD

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	102		70 - 130
1,4-Difluorobenzene (Surr)	93		70 - 130

Lab Sample ID: 890-8478-1 MS

Matrix: Solid

o-Xylene

Analysis Batch: 114645									Prep	Batch: 114596
	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.00200	U	0.100	0.1206		mg/Kg		121	70 - 130	
Toluene	<0.00200	U	0.100	0.1099		mg/Kg		110	70 - 130	

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Client Sample ID: HA - 1

Prep Type: Total/NA

Client: Earth Systems Response and Restoration

Job ID: 890-8478-1 Project/Site: Nailed It B CTB SDG: Eddy County, NM

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

Lab Sample ID: 890-8478-1 MS **Matrix: Solid**

Analysis Batch: 114645

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

Prep Batch: 114596

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Ethylbenzene	<0.00200	U	0.100	0.1155		mg/Kg		115	70 - 130	
m-Xylene & p-Xylene	<0.00399	U	0.200	0.2328		mg/Kg		116	70 - 130	
o-Xylene	<0.00200	U	0.100	0.1145		mg/Kg		114	70 - 130	

MS MS

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	109		70 - 130
1,4-Difluorobenzene (Surr)	96		70 - 130

Lab Sample ID: 890-8478-1 MSD

Matrix: Solid

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

Prep Batch: 114596

Analysis Batch: 114645 Sample Sample Spike MSD MSD %Rec Result Qualifier Added Result Qualifier RPD Limit %Rec Limits Unit <0.00200 U 0.100 0.1174 mg/Kg 117 70 - 130 3

Analyte Benzene 35 Toluene <0.00200 U 0.100 0.1031 mg/Kg 103 70 - 130 6 35 Ethylbenzene <0.00200 U 0.100 0.1060 106 70 - 130 9 35 mg/Kg 0.200 m-Xylene & p-Xylene <0.00399 U 0.2112 mg/Kg 106 70 - 130 10 35 <0.00200 U 0.100 0.1053 70 - 130 o-Xylene mg/Kg 105 8

MSD MSD

<50.0 U

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	104		70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

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

Lab Sample ID: MB 880-114637/1-A

Matrix: Solid

Analysis Batch: 114940

Oil Range Organics (Over C28-C36)

Client Sample ID: Method Blank

07/24/25 03:15

Prep Type: Total/NA

Prep Batch: 114637

MB MB Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac Analyte 50.0 07/22/25 08:11 <50.0 U 07/24/25 03:15 Gasoline Range Organics mg/Kg (GRO)-C6-C10 07/22/25 08:11 07/24/25 03:15 Diesel Range Organics (Over <50.0 U 50.0 mg/Kg C10-C28)

MB MB %Recovery Limits Analyzed Qualifier Prepared Dil Fac Surrogate 1-Chlorooctane 93 70 - 130 07/22/25 08:11 07/24/25 03:15 88 70 - 130 07/22/25 08:11 07/24/25 03:15 o-Terphenyl

50.0

mg/Kg

Lab Sample ID: LCS 880-114637/2-A

Matrix: Solid

Analysis Batch: 114940

Client Sample ID: Lab Control Sample

07/22/25 08:11

Prep Type: Total/NA

Prep Batch: 114637

	Spike	LCS	LCS				%Rec
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits
Gasoline Range Organics	1000	899.2		mg/Kg		90	70 - 130
(GRO)-C6-C10							
Diesel Range Organics (Over	1000	1035		mg/Kg		103	70 - 130
C10-C28)							

Eurofins Carlsbad

7/25/2025

Client: Earth Systems Response and Restoration

Project/Site: Nailed It B CTB

Job ID: 890-8478-1 SDG: Eddy County, NM

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

Lab Sample ID: LCS 880-114637/2-A

Matrix: Solid

Analysis Batch: 114940

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 114637

	LCS	LCS
urrogate	%Recovery	Quali

Surrogate	%Recovery Qualifi	er Limits
1-Chlorooctane	96	70 - 130
o-Terphenyl	98	70 - 130

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 114637

Lab Sample ID: LCSD 880-114637/3-A

Matrix: Solid

Analysis Batch: 114940

	Spike	LCSD	LCSD				%Rec		RPD	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Gasoline Range Organics	1000	946.0		mg/Kg		95	70 - 130	5	20	
(GRO)-C6-C10										
Diesel Range Organics (Over	1000	1015		mg/Kg		101	70 - 130	2	20	

C10-C28)

Matrix: Solid

LCSD LCSD

Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	100		70 - 130
o-Terphenyl	102		70 - 130

Client Sample ID: HA - 1

Prep Type: Total/NA

Prep Batch: 114637

	Sample S	Sample	Spike	MS	MS				%Rec	
Analyte	Result C	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics	<50.0 L	J	999	860.0		mg/Kg		86	70 - 130	
(GRO)-C6-C10										
Diesel Range Organics (Over	<50.0 L	J	999	872.3		mg/Kg		87	70 - 130	

C10-C28)

MS MS %Recovery Qualifier Limits Surrogate 70 - 130 1-Chlorooctane 108

70 - 130 o-Terphenyl 113

Lab Sample ID: 890-8478-1 MS

Analysis Batch: 114940

Analysis Batch: 114940

Lab Sample ID: 890-8478-1 MSD	Client Sample ID: HA - 1
Matrix: Solid	Prep Type: Total/NA

Prep Batch: 114637

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Gasoline Range Organics	<50.0	U	999	849.9		mg/Kg		85	70 - 130	1	20	
(GRO)-C6-C10												
Diesel Range Organics (Over	<50.0	U	999	804.2		mg/Kg		81	70 - 130	8	20	
040,000)												

C10-C28)

MSD	MSD
mod	wor

Surrogate	%Recovery Qualifier	Limits
1-Chlorooctane	123	70 - 130
o-Terphenyl	112	70 - 130

Client: Earth Systems Response and Restoration

Project/Site: Nailed It B CTB

Job ID: 890-8478-1 SDG: Eddy County, NM

Prep Type: Soluble

Client Sample ID: Method Blank

Client Sample ID: Lab Control Sample

%Rec

Client Sample ID: Lab Control Sample Dup

Client Sample ID: Method Blank

Client Sample ID: Lab Control Sample

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-114661/1-A

Matrix: Solid

Analysis Batch: 114726

MB	MB	

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			07/22/25 18:27	1

Lab Sample ID: LCS 880-114661/2-A

Matrix: Solid

Analysis Batch: 114726

	,	 	

Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	250	249.9		mg/Kg		100	90 - 110	

LCS LCS

100 100

Spike

Lab Sample ID: LCSD 880-114661/3-A

Matrix: Solid

Anaiy	/SIS	Batcn:	114/26	

	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	250	250.0		mg/Kg	_	100	90 - 110	0	20

Lab Sample ID: MB 880-114666/1-A

Matrix: Solid

Analysis Batch: 114730

мв мв

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			07/22/25 21:28	1

Lab Sample ID: LCS 880-114666/2-A

Matrix: Solid

Analysis Batch: 114730

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	250	230.4		mg/Kg		92	90 - 110	

Lab Sample ID: LCSD 880-114666/3-A

Matrix: Solid

Analysis Batch: 114730

	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	250	229.8		mg/Kg		92	90 - 110	0	20

Lab Sample ID: 890-8478-3 MS

Matrix: Solid

Analysis Batch: 114730

Analyte Result Qualifier Added Result Qualifier Unit D %Rec Limits

Lab Sample ID: 890-8478-3 MSD

Analysis Batch: 114730										•	
	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	136		253	400.9		mg/Kg		105	90 - 110	0	20

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

Client Sample ID: HA - 1 **Prep Type: Soluble**

Client Sample ID: HA - 1

Prep Type: Soluble

Released	to	Imaging:	12	/12	/2025	2:4	9:03	PM	

Client: Earth Systems Response and Restoration

Project/Site: Nailed It B CTB

Job ID: 890-8478-1

SDG: Eddy County, NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 890-8478-13 MS

Matrix: Solid

Analysis Batch: 114730

Analysis Batch: 114730										
	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	11700	F1	5040	16130	F1	ma/Ka		89	90 - 110	

Lab Sample ID: 890-8478-13 MSD

Matrix: Solid

Analysis Batch: 114730

	-	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
	Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Į	Chloride	11700	F1	5040	15770	F1	mg/Kg		82	90 - 110	2	20

Client Sample ID: HA - 5

Client Sample ID: HA - 5

Prep Type: Soluble

Prep Type: Soluble

QC Association Summary

Client: Earth Systems Response and Restoration

Job ID: 890-8478-1

Project/Site: Nailed It B CTB

SDG: Eddy County, NM

GC VOA

Prep Batch: 114596

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Bato
890-8478-1	HA - 1	Total/NA	Solid	5035	
890-8478-2	HA - 1	Total/NA	Solid	5035	
890-8478-3	HA - 1	Total/NA	Solid	5035	
890-8478-4	HA - 2	Total/NA	Solid	5035	
890-8478-5	HA - 2	Total/NA	Solid	5035	
890-8478-6	HA - 2	Total/NA	Solid	5035	
390-8478-7	HA - 3	Total/NA	Solid	5035	
390-8478-8	HA - 3	Total/NA	Solid	5035	
890-8478-9	HA - 3	Total/NA	Solid	5035	
890-8478-10	HA - 4	Total/NA	Solid	5035	
390-8478-11	HA - 4	Total/NA	Solid	5035	
390-8478-12	HA - 4	Total/NA	Solid	5035	
890-8478-13	HA - 5	Total/NA	Solid	5035	
390-8478-14	HA - 5	Total/NA	Solid	5035	
390-8478-15	HA - 5	Total/NA	Solid	5035	
890-8478-16	HA - 5	Total/NA	Solid	5035	
390-8478-17	HA - 6	Total/NA	Solid	5035	
890-8478-18	HA - 6	Total/NA	Solid	5035	
390-8478-19	HA - 6	Total/NA	Solid	5035	
MB 880-114596/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-114596/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-114596/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
390-8478-1 MS	HA - 1	Total/NA	Solid	5035	
890-8478-1 MSD	HA - 1	Total/NA	Solid	5035	

Analysis Batch: 114645

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8478-1	HA - 1	Total/NA	Solid	8021B	114596
890-8478-2	HA - 1	Total/NA	Solid	8021B	114596
890-8478-3	HA - 1	Total/NA	Solid	8021B	114596
890-8478-4	HA - 2	Total/NA	Solid	8021B	114596
890-8478-5	HA - 2	Total/NA	Solid	8021B	114596
890-8478-6	HA - 2	Total/NA	Solid	8021B	114596
890-8478-7	HA - 3	Total/NA	Solid	8021B	114596
890-8478-8	HA - 3	Total/NA	Solid	8021B	114596
890-8478-9	HA - 3	Total/NA	Solid	8021B	114596
890-8478-10	HA - 4	Total/NA	Solid	8021B	114596
890-8478-11	HA - 4	Total/NA	Solid	8021B	114596
890-8478-12	HA - 4	Total/NA	Solid	8021B	114596
890-8478-13	HA - 5	Total/NA	Solid	8021B	114596
890-8478-14	HA - 5	Total/NA	Solid	8021B	114596
890-8478-15	HA - 5	Total/NA	Solid	8021B	114596
890-8478-16	HA - 5	Total/NA	Solid	8021B	114596
890-8478-17	HA - 6	Total/NA	Solid	8021B	114596
890-8478-18	HA - 6	Total/NA	Solid	8021B	114596
890-8478-19	HA - 6	Total/NA	Solid	8021B	114596
MB 880-114596/5-A	Method Blank	Total/NA	Solid	8021B	114596
LCS 880-114596/1-A	Lab Control Sample	Total/NA	Solid	8021B	114596
LCSD 880-114596/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	114596
890-8478-1 MS	HA - 1	Total/NA	Solid	8021B	114596
890-8478-1 MSD	HA - 1	Total/NA	Solid	8021B	114596

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QC Association Summary

Client: Earth Systems Response and Restoration

Job ID: 890-8478-1 Project/Site: Nailed It B CTB SDG: Eddy County, NM

GC VOA

Analysis Batch: 114753

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batcl
890-8478-1	HA - 1	Total/NA	Solid	Total BTEX	
890-8478-2	HA - 1	Total/NA	Solid	Total BTEX	
890-8478-3	HA - 1	Total/NA	Solid	Total BTEX	
890-8478-4	HA - 2	Total/NA	Solid	Total BTEX	
890-8478-5	HA - 2	Total/NA	Solid	Total BTEX	
890-8478-6	HA - 2	Total/NA	Solid	Total BTEX	
890-8478-7	HA - 3	Total/NA	Solid	Total BTEX	
890-8478-8	HA - 3	Total/NA	Solid	Total BTEX	
890-8478-9	HA - 3	Total/NA	Solid	Total BTEX	
890-8478-10	HA - 4	Total/NA	Solid	Total BTEX	
890-8478-11	HA - 4	Total/NA	Solid	Total BTEX	
890-8478-12	HA - 4	Total/NA	Solid	Total BTEX	
890-8478-13	HA - 5	Total/NA	Solid	Total BTEX	
890-8478-14	HA - 5	Total/NA	Solid	Total BTEX	
890-8478-15	HA - 5	Total/NA	Solid	Total BTEX	
890-8478-16	HA - 5	Total/NA	Solid	Total BTEX	
890-8478-17	HA - 6	Total/NA	Solid	Total BTEX	
890-8478-18	HA - 6	Total/NA	Solid	Total BTEX	
890-8478-19	HA - 6	Total/NA	Solid	Total BTEX	

GC Semi VOA

Pron Batch: 114637

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batcl
890-8478-1	HA - 1	Total/NA	Solid	8015NM Prep	
890-8478-2	HA - 1	Total/NA	Solid	8015NM Prep	
890-8478-3	HA - 1	Total/NA	Solid	8015NM Prep	
890-8478-4	HA - 2	Total/NA	Solid	8015NM Prep	
890-8478-5	HA - 2	Total/NA	Solid	8015NM Prep	
890-8478-6	HA - 2	Total/NA	Solid	8015NM Prep	
890-8478-7	HA - 3	Total/NA	Solid	8015NM Prep	
890-8478-8	HA - 3	Total/NA	Solid	8015NM Prep	
890-8478-9	HA - 3	Total/NA	Solid	8015NM Prep	
890-8478-10	HA - 4	Total/NA	Solid	8015NM Prep	
890-8478-11	HA - 4	Total/NA	Solid	8015NM Prep	
890-8478-12	HA - 4	Total/NA	Solid	8015NM Prep	
890-8478-13	HA - 5	Total/NA	Solid	8015NM Prep	
890-8478-14	HA - 5	Total/NA	Solid	8015NM Prep	
890-8478-15	HA - 5	Total/NA	Solid	8015NM Prep	
890-8478-16	HA - 5	Total/NA	Solid	8015NM Prep	
890-8478-17	HA - 6	Total/NA	Solid	8015NM Prep	
890-8478-18	HA - 6	Total/NA	Solid	8015NM Prep	
890-8478-19	HA - 6	Total/NA	Solid	8015NM Prep	
MB 880-114637/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-114637/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-114637/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-8478-1 MS	HA - 1	Total/NA	Solid	8015NM Prep	
890-8478-1 MSD	HA - 1	Total/NA	Solid	8015NM Prep	

Client: Earth Systems Response and Restoration Job ID: 890-8478-1 Project/Site: Nailed It B CTB SDG: Eddy County, NM

GC Semi VOA

Analysis Batch: 114940

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8478-1	HA - 1	Total/NA	Solid	8015B NM	114637
890-8478-2	HA - 1	Total/NA	Solid	8015B NM	114637
890-8478-3	HA - 1	Total/NA	Solid	8015B NM	114637
890-8478-4	HA - 2	Total/NA	Solid	8015B NM	114637
890-8478-5	HA - 2	Total/NA	Solid	8015B NM	114637
890-8478-6	HA - 2	Total/NA	Solid	8015B NM	114637
890-8478-7	HA - 3	Total/NA	Solid	8015B NM	114637
890-8478-8	HA - 3	Total/NA	Solid	8015B NM	114637
890-8478-9	HA - 3	Total/NA	Solid	8015B NM	114637
890-8478-10	HA - 4	Total/NA	Solid	8015B NM	114637
890-8478-11	HA - 4	Total/NA	Solid	8015B NM	114637
890-8478-12	HA - 4	Total/NA	Solid	8015B NM	114637
890-8478-13	HA - 5	Total/NA	Solid	8015B NM	114637
890-8478-14	HA - 5	Total/NA	Solid	8015B NM	114637
890-8478-15	HA - 5	Total/NA	Solid	8015B NM	114637
890-8478-16	HA - 5	Total/NA	Solid	8015B NM	114637
890-8478-17	HA - 6	Total/NA	Solid	8015B NM	114637
890-8478-18	HA - 6	Total/NA	Solid	8015B NM	114637
890-8478-19	HA - 6	Total/NA	Solid	8015B NM	114637
MB 880-114637/1-A	Method Blank	Total/NA	Solid	8015B NM	114637
LCS 880-114637/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	114637
LCSD 880-114637/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	114637
890-8478-1 MS	HA - 1	Total/NA	Solid	8015B NM	114637
890-8478-1 MSD	HA - 1	Total/NA	Solid	8015B NM	114637

Analysis Batch: 115022

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batc
890-8478-1	HA - 1	Total/NA	Solid	8015 NM	
890-8478-2	HA - 1	Total/NA	Solid	8015 NM	
890-8478-3	HA - 1	Total/NA	Solid	8015 NM	
890-8478-4	HA - 2	Total/NA	Solid	8015 NM	
890-8478-5	HA - 2	Total/NA	Solid	8015 NM	
890-8478-6	HA - 2	Total/NA	Solid	8015 NM	
890-8478-7	HA - 3	Total/NA	Solid	8015 NM	
890-8478-8	HA - 3	Total/NA	Solid	8015 NM	
890-8478-9	HA - 3	Total/NA	Solid	8015 NM	
890-8478-10	HA - 4	Total/NA	Solid	8015 NM	
890-8478-11	HA - 4	Total/NA	Solid	8015 NM	
890-8478-12	HA - 4	Total/NA	Solid	8015 NM	
890-8478-13	HA - 5	Total/NA	Solid	8015 NM	
890-8478-14	HA - 5	Total/NA	Solid	8015 NM	
890-8478-15	HA - 5	Total/NA	Solid	8015 NM	
890-8478-16	HA - 5	Total/NA	Solid	8015 NM	
890-8478-17	HA - 6	Total/NA	Solid	8015 NM	
890-8478-18	HA - 6	Total/NA	Solid	8015 NM	
890-8478-19	HA - 6	Total/NA	Solid	8015 NM	

Client: Earth Systems Response and Restoration

Job ID: 890-8478-1 Project/Site: Nailed It B CTB SDG: Eddy County, NM

HPLC/IC

Leach Batch: 114661

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8478-1	HA - 1	Soluble	Solid	DI Leach	
890-8478-2	HA - 1	Soluble	Solid	DI Leach	
MB 880-114661/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-114661/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-114661/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Leach Batch: 114666

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8478-3	HA - 1	Soluble	Solid	DI Leach	
890-8478-4	HA - 2	Soluble	Solid	DI Leach	
890-8478-5	HA - 2	Soluble	Solid	DI Leach	
890-8478-6	HA - 2	Soluble	Solid	DI Leach	
890-8478-7	HA - 3	Soluble	Solid	DI Leach	
890-8478-8	HA - 3	Soluble	Solid	DI Leach	
890-8478-9	HA - 3	Soluble	Solid	DI Leach	
890-8478-10	HA - 4	Soluble	Solid	DI Leach	
890-8478-11	HA - 4	Soluble	Solid	DI Leach	
890-8478-12	HA - 4	Soluble	Solid	DI Leach	
890-8478-13	HA - 5	Soluble	Solid	DI Leach	
890-8478-14	HA - 5	Soluble	Solid	DI Leach	
890-8478-15	HA - 5	Soluble	Solid	DI Leach	
890-8478-16	HA - 5	Soluble	Solid	DI Leach	
890-8478-17	HA - 6	Soluble	Solid	DI Leach	
890-8478-18	HA - 6	Soluble	Solid	DI Leach	
890-8478-19	HA - 6	Soluble	Solid	DI Leach	
MB 880-114666/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-114666/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-114666/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-8478-3 MS	HA - 1	Soluble	Solid	DI Leach	
890-8478-3 MSD	HA - 1	Soluble	Solid	DI Leach	
890-8478-13 MS	HA - 5	Soluble	Solid	DI Leach	
890-8478-13 MSD	HA - 5	Soluble	Solid	DI Leach	

Analysis Batch: 114726

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8478-1	HA - 1	Soluble	Solid	300.0	114661
890-8478-2	HA - 1	Soluble	Solid	300.0	114661
MB 880-114661/1-A	Method Blank	Soluble	Solid	300.0	114661
LCS 880-114661/2-A	Lab Control Sample	Soluble	Solid	300.0	114661
LCSD 880-114661/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	114661

Analysis Batch: 114730

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8478-3	HA - 1	Soluble	Solid	300.0	114666
890-8478-4	HA - 2	Soluble	Solid	300.0	114666
890-8478-5	HA - 2	Soluble	Solid	300.0	114666
890-8478-6	HA - 2	Soluble	Solid	300.0	114666
890-8478-7	HA - 3	Soluble	Solid	300.0	114666
890-8478-8	HA - 3	Soluble	Solid	300.0	114666
890-8478-9	HA - 3	Soluble	Solid	300.0	114666
890-8478-10	HA - 4	Soluble	Solid	300.0	114666

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

Job ID: 890-8478-1 SDG: Eddy County, NM

HPLC/IC (Continued)

Analysis Batch: 114730 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8478-11	HA - 4	Soluble	Solid	300.0	114666
890-8478-12	HA - 4	Soluble	Solid	300.0	114666
890-8478-13	HA - 5	Soluble	Solid	300.0	114666
890-8478-14	HA - 5	Soluble	Solid	300.0	114666
890-8478-15	HA - 5	Soluble	Solid	300.0	114666
890-8478-16	HA - 5	Soluble	Solid	300.0	114666
890-8478-17	HA - 6	Soluble	Solid	300.0	114666
890-8478-18	HA - 6	Soluble	Solid	300.0	114666
890-8478-19	HA - 6	Soluble	Solid	300.0	114666
MB 880-114666/1-A	Method Blank	Soluble	Solid	300.0	114666
LCS 880-114666/2-A	Lab Control Sample	Soluble	Solid	300.0	114666
LCSD 880-114666/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	114666
890-8478-3 MS	HA - 1	Soluble	Solid	300.0	114666
890-8478-3 MSD	HA - 1	Soluble	Solid	300.0	114666
890-8478-13 MS	HA - 5	Soluble	Solid	300.0	114666
890-8478-13 MSD	HA - 5	Soluble	Solid	300.0	114666

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Client Sample ID: HA - 1

Date Received: 07/21/25 09:55

Lab Sample ID: 890-8478-1 Date Collected: 07/18/25 12:00

Matrix: Solid

Batch Batch Dil Initial Final Batch Prepared Prep Type Туре Method Run Factor Amount Amount Number or Analyzed Analyst Lab 5035 Total/NA Prep 5.01 g 5 mL 114596 07/21/25 12:27 MNR **EET MID** Total/NA Analysis 8021B 1 5 mL 5 mL 114645 07/22/25 11:33 MNR **EET MID** Total/NA Analysis Total BTEX 114753 07/22/25 11:33 SA **EET MID** Total/NA 8015 NM Analysis 1 115022 07/24/25 14:29 SA **EET MID** Total/NA 8015NM Prep 114637 07/22/25 08:39 EET MID Prep 10.00 g 10 mL FΙ Total/NA Analysis 8015B NM 1 uL 1 uL 114940 07/24/25 14:29 TKC **EET MID** Soluble 5.03 g 50 mL 114661 07/22/25 08:38 SI Leach DI Leach FFT MID Soluble Analysis 300.0 5 114726 07/22/25 20:48 CS **EET MID**

Client Sample ID: HA - 1 Lab Sample ID: 890-8478-2

Date Collected: 07/18/25 12:05 **Matrix: Solid** Date Received: 07/21/25 09:55

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	114596	07/21/25 12:27	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	114645	07/22/25 11:54	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			114753	07/22/25 11:54	SA	EET MID
Total/NA	Analysis	8015 NM		1			115022	07/24/25 15:19	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	114637	07/22/25 08:39	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	114940	07/24/25 15:19	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	114661	07/22/25 08:38	SI	EET MID
Soluble	Analysis	300.0		1			114726	07/22/25 20:54	CS	EET MID

Lab Sample ID: 890-8478-3 Client Sample ID: HA - 1 Date Collected: 07/18/25 12:10

Date Received: 07/21/25 09:55

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	114596	07/21/25 12:27	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	114645	07/22/25 12:14	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			114753	07/22/25 12:14	SA	EET MID
Total/NA	Analysis	8015 NM		1			115022	07/24/25 15:35	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	114637	07/22/25 08:39	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	114940	07/24/25 15:35	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	114666	07/22/25 08:43	SI	EET MID
Soluble	Analysis	300.0		1			114730	07/22/25 21:51	CS	EET MID

Lab Sample ID: 890-8478-4 Client Sample ID: HA - 2 Date Collected: 07/18/25 12:15

Date Received: 07/21/25 09:55

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	114596	07/21/25 12:27	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	114645	07/22/25 12:35	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			114753	07/22/25 12:35	SA	EET MID

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Matrix: Solid

Matrix: Solid

Client: Earth Systems Response and Restoration

Client Sample ID: HA - 2

Date Collected: 07/18/25 12:15

Date Received: 07/21/25 09:55

Project/Site: Nailed It B CTB

Lab Sample ID: 890-8478-4

SDG: Eddy County, NM

Job ID: 890-8478-1

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			115022	07/24/25 15:52	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	114637	07/22/25 08:39	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	114940	07/24/25 15:52	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	114666	07/22/25 08:43	SI	EET MID
Soluble	Analysis	300.0		5			114730	07/22/25 22:14	CS	EET MID

Client Sample ID: HA - 2 Lab Sample ID: 890-8478-5

Date Collected: 07/18/25 12:20 **Matrix: Solid** Date Received: 07/21/25 09:55

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	114596	07/21/25 12:27	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	114645	07/22/25 12:55	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			114753	07/22/25 12:55	SA	EET MID
Total/NA	Analysis	8015 NM		1			115022	07/24/25 16:08	SA	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10 mL	114637	07/22/25 08:39	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	114940	07/24/25 16:08	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	114666	07/22/25 08:43	SI	EET MID
Soluble	Analysis	300.0		1			114730	07/22/25 22:22	CS	EET MID

Client Sample ID: HA - 2 Lab Sample ID: 890-8478-6

Date Collected: 07/18/25 12:25 **Matrix: Solid** Date Received: 07/21/25 09:55

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	114596	07/21/25 12:27	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	114645	07/22/25 13:15	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			114753	07/22/25 13:15	SA	EET MID
Total/NA	Analysis	8015 NM		1			115022	07/24/25 16:24	SA	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10 mL	114637	07/22/25 08:39	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	114940	07/24/25 16:24	TKC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	114666	07/22/25 08:43	SI	EET MID
Soluble	Analysis	300.0		1			114730	07/22/25 22:29	CS	EET MID

Client Sample ID: HA - 3 Lab Sample ID: 890-8478-7

Date Collected: 07/18/25 12:30 **Matrix: Solid** Date Received: 07/21/25 09:55

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	114596	07/21/25 12:27	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	114645	07/22/25 13:36	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			114753	07/22/25 13:36	SA	EET MID
Total/NA	Analysis	8015 NM		1			115022	07/24/25 16:41	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	114637	07/22/25 08:39	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	114940	07/24/25 16:41	TKC	EET MID

Client: Earth Systems Response and Restoration

Project/Site: Nailed It B CTB

Client Sample ID: HA - 3

Date Collected: 07/18/25 12:30 Date Received: 07/21/25 09:55 Lab Sample ID: 890-8478-7

Matrix: Solid

Job ID: 890-8478-1

SDG: Eddy County, NM

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.02 g	50 mL	114666	07/22/25 08:43	SI	EET MID
Soluble	Analysis	300.0		10			114730	07/22/25 22:37	CS	EET MID

Client Sample ID: HA - 3 Lab Sample ID: 890-8478-8

Date Collected: 07/18/25 12:35 Date Received: 07/21/25 09:55 **Matrix: Solid**

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	114596	07/21/25 12:27	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	114645	07/22/25 13:56	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			114753	07/22/25 13:56	SA	EET MID
Total/NA	Analysis	8015 NM		1			115022	07/24/25 16:58	SA	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	114637	07/22/25 08:39	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	114940	07/24/25 16:58	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	114666	07/22/25 08:43	SI	EET MID
Soluble	Analysis	300.0		10			114730	07/22/25 23:00	CS	EET MID

Client Sample ID: HA - 3 Lab Sample ID: 890-8478-9

Date Collected: 07/18/25 12:40

Matrix: Solid

Date Received: 07/21/25 09:55

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	114596	07/21/25 12:27	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	114645	07/22/25 14:17	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			114753	07/22/25 14:17	SA	EET MID
Total/NA	Analysis	8015 NM		1			115022	07/24/25 17:14	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	114637	07/22/25 08:39	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	114940	07/24/25 17:14	TKC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	114666	07/22/25 08:43	SI	EET MID
Soluble	Analysis	300.0		1			114730	07/22/25 23:08	CS	EET MID

Client Sample ID: HA - 4

Lab Sample ID: 890-8478-10

Date Collected: 07/18/25 12:45 Date Received: 07/21/25 09:55 **Matrix: Solid**

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	114596	07/21/25 12:27	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	114645	07/22/25 16:00	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			114753	07/22/25 16:00	SA	EET MID
Total/NA	Analysis	8015 NM		1			115022	07/24/25 17:30	SA	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	114637	07/22/25 08:39	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	114940	07/24/25 17:30	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	114666	07/22/25 08:43	SI	EET MID
Soluble	Analysis	300.0		1			114730	07/22/25 23:15	CS	EET MID

Client: Earth Systems Response and Restoration

Project/Site: Nailed It B CTB

Client Sample ID: HA - 4 Lab Sample ID: 890-8478-11 Matrix: Solid

Date Collected: 07/18/25 12:50 Date Received: 07/21/25 09:55

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	114596	07/21/25 12:27	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	114645	07/22/25 16:21	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			114753	07/22/25 16:21	SA	EET MID
Total/NA	Analysis	8015 NM		1			115022	07/24/25 18:03	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	114637	07/22/25 08:39	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	114940	07/24/25 18:03	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	114666	07/22/25 08:43	SI	EET MID
Soluble	Analysis	300.0		1			114730	07/22/25 23:23	CS	EET MID

Client Sample ID: HA - 4 Date Collected: 07/18/25 12:55

Date Received: 07/21/25 09:55

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	114596	07/21/25 12:27	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	114645	07/22/25 16:41	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			114753	07/22/25 16:41	SA	EET MID
Total/NA	Analysis	8015 NM		1			115022	07/24/25 18:20	SA	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	114637	07/22/25 08:39	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	114940	07/24/25 18:20	TKC	EET MID

4.97 g

50 mL

114666

114730

07/22/25 08:43

07/22/25 23:31

SI

CS

Lab Sample ID: 890-8478-13

Lab Sample ID: 890-8478-14

Client Sample ID: HA - 5

Soluble

Soluble

Date Collected: 07/18/25 13:00 Date Received: 07/21/25 09:55

Leach

Analysis

DI Leach

300.0

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	114596	07/21/25 12:27	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	114645	07/22/25 17:02	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			114753	07/22/25 17:02	SA	EET MID
Total/NA	Analysis	8015 NM		1			115022	07/24/25 18:36	SA	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	114637	07/22/25 08:39	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	114940	07/24/25 18:36	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	114666	07/22/25 08:43	SI	EET MID
Soluble	Analysis	300.0		20			114730	07/22/25 23:38	CS	EET MID

Client Sample ID: HA - 5 Date Collected: 07/18/25 13:05

Date Received: 07/21/25 09:55

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	114596	07/21/25 12:27	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	114645	07/22/25 17:22	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			114753	07/22/25 17:22	SA	EET MID

Eurofins Carlsbad

SDG: Eddy County, NM

Lab Sample ID: 890-8478-12

Job ID: 890-8478-1

EET MID

Matrix: Solid

EET MID

Matrix: Solid

Matrix: Solid

Client: Earth Systems Response and Restoration

Project/Site: Nailed It B CTB

Lab Sample ID: 890-8478-14

Matrix: Solid

Job ID: 890-8478-1

SDG: Eddy County, NM

Client Sample ID: HA - 5

Date Collected: 07/18/25 13:05 Date Received: 07/21/25 09:55

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			115022	07/24/25 18:52	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	114637	07/22/25 08:39	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	114940	07/24/25 18:52	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	114666	07/22/25 08:43	SI	EET MID
Soluble	Analysis	300.0		1			114730	07/23/25 00:01	CS	EET MID

Lab Sample ID: 890-8478-15

Date Collected: 07/18/25 13:10 Matrix: Solid

Date Received: 07/21/25 09:55

Client Sample ID: HA - 5

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	114596	07/21/25 12:27	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	114645	07/22/25 17:43	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			114753	07/22/25 17:43	SA	EET MID
Total/NA	Analysis	8015 NM		1			115022	07/24/25 19:09	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	114637	07/22/25 08:39	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	114940	07/24/25 19:09	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	114666	07/22/25 08:43	SI	EET MID
Soluble	Analysis	300.0		1			114730	07/23/25 00:09	CS	EET MID

Client Sample ID: HA - 5

Date Collected: 07/18/25 13:15

Lab Sample ID: 890-8478-16

Matrix: Solid

Date Received: 07/21/25 09:55

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	114596	07/21/25 12:27	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	114645	07/22/25 18:03	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			114753	07/22/25 18:03	SA	EET MID
Total/NA	Analysis	8015 NM		1			115022	07/24/25 19:25	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	114637	07/22/25 08:39	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	114940	07/24/25 19:25	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	114666	07/22/25 08:43	SI	EET MID
Soluble	Analysis	300.0		1			114730	07/23/25 00:32	CS	EET MID

Client Sample ID: HA - 6 Lab Sample ID: 890-8478-17

Date Collected: 07/18/25 13:20 Date Received: 07/21/25 09:55

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	114596	07/21/25 12:27	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	114645	07/22/25 18:24	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			114753	07/22/25 18:24	SA	EET MID
Total/NA	Analysis	8015 NM		1			115022	07/24/25 19:42	SA	EET MID
Total/NA Total/NA	Prep Analysis	8015NM Prep 8015B NM		1	10.00 g 1 uL	10 mL 1 uL	114637 114940	07/22/25 08:39 07/24/25 19:42	EL TKC	EET MID EET MID

Eurofins Carlsbad

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Matrix: Solid

Client: Earth Systems Response and Restoration

Project/Site: Nailed It B CTB

Lab Sample ID: 890-8478-17

Client Sample ID: HA - 6

Date Collected: 07/18/25 13:20 Date Received: 07/21/25 09:55

Matrix: Solid

Job ID: 890-8478-1

SDG: Eddy County, NM

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.01 g	50 mL	114666	07/22/25 08:43	SI	EET MID
Soluble	Analysis	300.0		10			114730	07/23/25 00:39	CS	EET MID

Client Sample ID: HA - 6 Lab Sample ID: 890-8478-18

Date Collected: 07/18/25 13:25 **Matrix: Solid**

Date Received: 07/21/25 09:55

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	114596	07/21/25 12:27	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	114645	07/22/25 18:44	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			114753	07/22/25 18:44	SA	EET MID
Total/NA	Analysis	8015 NM		1			115022	07/24/25 19:58	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	114637	07/22/25 08:39	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	114940	07/24/25 19:58	TKC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	114666	07/22/25 08:43	SI	EET MID
Soluble	Analysis	300.0		1			114730	07/23/25 00:47	CS	EET MID

Client Sample ID: HA - 6 Lab Sample ID: 890-8478-19

Date Collected: 07/18/25 13:30 **Matrix: Solid**

Date Received: 07/21/25 09:55

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	114596	07/21/25 12:27	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	114645	07/22/25 19:04	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			114753	07/22/25 19:04	SA	EET MID
Total/NA	Analysis	8015 NM		1			115022	07/24/25 20:14	SA	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	114637	07/22/25 08:39	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	114940	07/24/25 20:14	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	114666	07/22/25 08:43	SI	EET MID
Soluble	Analysis	300.0		1			114730	07/23/25 00:55	CS	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Earth Systems Response and Restoration

Job ID: 890-8478-1 Project/Site: Nailed It B CTB SDG: Eddy County, NM

Laboratory: Eurofins Midland

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

Authority	Progra	am	Identification Number	Expiration Date
Texas	NELAI)	T104704400	06-30-26
The following analytes	are included in this report, bu	t the laboratory is not certif	ied by the governing authority. This lis	t may include analytes
for which the agency d	pes not offer certification.	,	, , ,	,
0 ,				
Analysis Method	Prep Method	Matrix	Analyte	
Analysis Method 8015 NM	Prep Method	Matrix Solid	Analyte Total TPH	

Method Summary

Client: Earth Systems Response and Restoration

Project/Site: Nailed It B CTB

Job ID: 890-8478-1

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 CTB

Job ID: 890-8478-1 SDG: Eddy County, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-8478-1	HA - 1	Solid	07/18/25 12:00	07/21/25 09:55	0.5
890-8478-2	HA - 1	Solid	07/18/25 12:05	07/21/25 09:55	1
890-8478-3	HA - 1	Solid	07/18/25 12:10	07/21/25 09:55	2
890-8478-4	HA - 2	Solid	07/18/25 12:15	07/21/25 09:55	0.5
890-8478-5	HA - 2	Solid	07/18/25 12:20	07/21/25 09:55	1
890-8478-6	HA - 2	Solid	07/18/25 12:25	07/21/25 09:55	2
890-8478-7	HA - 3	Solid	07/18/25 12:30	07/21/25 09:55	0.5
890-8478-8	HA - 3	Solid	07/18/25 12:35	07/21/25 09:55	1
890-8478-9	HA - 3	Solid	07/18/25 12:40	07/21/25 09:55	2
890-8478-10	HA - 4	Solid	07/18/25 12:45	07/21/25 09:55	0.5
890-8478-11	HA - 4	Solid	07/18/25 12:50	07/21/25 09:55	1
890-8478-12	HA - 4	Solid	07/18/25 12:55	07/21/25 09:55	2
890-8478-13	HA - 5	Solid	07/18/25 13:00	07/21/25 09:55	0.5
890-8478-14	HA - 5	Solid	07/18/25 13:05	07/21/25 09:55	1
890-8478-15	HA - 5	Solid	07/18/25 13:10	07/21/25 09:55	2
890-8478-16	HA - 5	Solid	07/18/25 13:15	07/21/25 09:55	3
890-8478-17	HA - 6	Solid	07/18/25 13:20	07/21/25 09:55	0.5
890-8478-18	HA - 6	Solid	07/18/25 13:25	07/21/25 09:55	1
890-8478-19	HA - 6	Solid	07/18/25 13:30	07/21/25 09:55	2

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Relinguished by: (Signature)

Received by: (Signature)

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Date/Time

Relinquished by: (Signature)

Received by: (Signature)

Date/Time

Revised Date: 08/25/2020 Rev. 2020.2

eurofins

Environment Testing

Xenco

Phone:

Project Manager:

Gilbert Moreno

Company Name:

Earth Systems R&R

Company Name: Bill to: (if different)

Earth Systems

13 14

Chain of Custody

Midland, TX (432) 704-5440, San Antonio, TX (210) 509-333 EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-129 Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-31 Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300

				99	96	334
State of Project:	Program: UST/PST PRP Brownfields RRC Superfund	Work Order Comments	www.xenco.com Page i of s	ſ		THOIR CIGGING:

Address:	1910 Resource Ct.	9			Address:		-							İ.	State	State of Project:	oject.		<u> </u>	2	TOILT		ğ	_	
City, State ZIP:	Carlsbad, NM, 88220	8220			City, State ZIP:		_								Repo	orting:	Level] [6	vel III		Reporting: Level III PSI/USI RRF Level IV		27.7	Le Le	
Phone:	832-541-7719			Email:	Email: gmoreno@earthsys.net	sys.net									Deliv	Deliverables: EDD	s: ED			ADa	ADaPT 🗆	0	Other:		
Project Name:	Nailed It B	It B CTB	8		Turn Around							A	ANALYS	YSIS REQUEST	Sant							Prese	rvati	Preservative Codes	
Project Number:	67	6798		☑ Routine	Rush	Ω 19	Pres. Code							_			_	-	_	_	Jue.	ne: NO		DI Water: H ₂ O	
Project Location:	Eddy County, NM	unty, N	M	Due Date:	Routine TAT																0	ol: Cool		МеОН: Ме	
Sampler's Name:	Santiago Giron	o Giro	ם ו	TAT starts the	TAT starts the day received by the lab	lab, if			1	_		4									_	L: HC		HNO ₃ : HN	
CC/WO #:				rec	received by 4:30pm		rs														92	30 ₄ : H ₂		NaOH: Na	
SAMPLE RECEIPT	PT Temp Blank:	ank:	Yes (No	Wet ice:	(Yes)/No		nete	-			1.	-	-	800.5	890-8478 Chain of Custody	hain o	f Cust	ody	900		1	O4: HP			
Samples Received Intact:	(Yes)	No	Thermometer ID:	er ID:	TUMOO		ran	1					_	0							_	1SO4: NABIS	ABIS		
Cooler Custody Seals:	Υ ₆	NE NE	Correction Factor:	actor:	0.0		Pa	Н						_	Ī			T			Nazs	Na ₂ S ₂ O ₃ : NaSO ₃	laSO ₃		
Sample Custody Seals			Temperature Reading:	e Reading:	8.4-								-						T		Zn A	Zn Acetate+NaOH: Zn	+Na0	H: Zn	
Total Containers:			Corrected T	Corrected Temperature:	-4.6			H	NM			sh	_		T			T	ì		Nao	H+Asc	orbic	NaOH+Ascorbic Acid: SAPC	*
Sample Identification		Matrix	Date Sampled	Time Sampled	Depth (feet)	Grab/ fo	Cont	TPH -NM	Chloride	BTEX-NI	Hold	24 Hr Ru										Sam	ole C	Sample Comments	_
HA-1	_	S	7.18.25	12:00	0.5	Grab/	_	×	×	×												Inci	dent	Incident Number	1 ×
HA-1		S	7.18.25	12:05	1 0	Grab/		×	×	×												nAF	P251	nAPP2519532647	ν.
HA-1		S	7.18.25	12:10	2 (Grab/		×	×	×			H								\vdash				1
HA-2	2	S	7.18.25	12:15	0.5	Grab/		×	×	×															
HA-2	2	S	7.18.25	12:20	1 (Grab/	1	×	×	×										T					1
HA-2	2	S	7.18.25	12:25	2 0	Grab/		×	×	×			-							T					1
HA-3	3	S	7.18.25	12:30	0.5	Grab/		×	×	×									T		-				
HA-3	3	S	7.18.25	12:35	1 0	Grab/	>	×	×	×											+				1
HA-3	3	S	7.18.25	12:40	2 0	Grab/	_	×	×	×	L	_	-		H										11
Total 200.7 / 6010)10 200.8 / 6020:	20:		8RCRA	13PPM Texas 11		Al Sb As Ba		Ве В	Ω	Ca Cr	ပ္ပ	Cu Fe	Pb Mg Mn Mo	Mn	Mo	Ni K Se	se Ag	60	SiO ₂ Na	Sr Tl Sn U	Sn L	V Zn	'n	
Circle Method(s) and Metal(s) to be analyzed	nd Metal(s) to be	analyz	ed																Hg	1631	Hg: 1631 / 245.1 / 7470	1/74	70 /	17471	11
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 for the control of the control	document and relinqui	shment o	of samples cor	stitutes a valid	purchase order from c	lient comp	pany to	Eurofin	ses inc	o, its af	filiates a	nd subc	ntractor	. It assig	ns stand	dard ter	ms and	condition the cor	ntrol						
f Eurofins Xenco. A min	imum charge of \$85.0	will be	applied to each	n project and a c	of Eurofins Xenco. A minimum charge of \$88.00 will be applied to each project and a charge of \$6 for each sample submitted to Eurofins Xenco, but not analyzed. Tress	ample sub	omitted	to Euro	fins Xe	nco, bu	t not an	llyzed. I	nese term	terms will be enforced unless previously negonated	entorceo	unless	previou	siy neg	onateu						1

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Xenco

Environment Testing

Phone:

832-541-7719

Email:

gmoreno@earthsys.net

City, State ZIP:

Address:

Company Name: Bill to: (if different)

Turn Around

Rush

Pres.

ANALYSIS REQUEST

Deliverables: EDD

ADaPT

Other:

Preservative Codes

DI Water: H₂O MeOH: Me

Cool: Cool None: NO Carlsbad, NM, 88220 1910 Resource Ct.

City, State ZIP:

Project Manager:

Company Name: Address:

> Earth Systems R&R Gilbert Moreno

Project Number: Project Location:

Eddy County, NM

Due Date: ✓ Routine

Routine TAT

Project Name:

Nailed It B CTB

6798

Chain of Custody

Midland, TX Hobbs, NN EL Paso, 1 Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300

(432) 704-5440, San Antonio, TX (210) 509-3334	Work Order No:
TX (915) 585-3443, Lubbock, TX (806) 794-1296	
л (575) 392-7550, Carlsbad, NM (575) 988-3199	د
	www.xenco.com Page & of
	Work Order Comments
Earth Systems	Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
	State of Project:
	Reporting: Level II Level III PST/UST TRRP Level IV

	Tele 08/25/2020 Rev 2020 2	Dak		6										5	
				9 4	0	12	7			3		Ø	1	3 4	
	Date/Time	Received by: (Signature)	Relinquished by: (Signature)		Date/Time	Date			Signature	Received by: (Signature) Rec	1	gnature)	Relinquished by: (Signature)	
		d terms and conditions nees beyond the control ness previously negotiated.	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.	o, its affilia curred by the enco, but no	ins Xencenses incorrections Xe	to Euro s or exp ed to Eu	ompany ny losse submitt	order from client or sponsibility for a for each sample	d purchase c ssume any re charge of \$1	nstitutes a vali nd shall not as h project and a	f samples con of samples a opplied to eac	quishment of for the cos	nent and relin be liable only charge of \$8	Notice: Signature of this docur of service. Eurofins Xenco will of Eurofins Xenco. A minimum	
	70 / 7471	Hg: 1631 / 245.1 / 7470 / 7471									ed	be analyz	etal(s) to	Circle Method(s) and Metal(s) to be analyzed	
	J V Zn	Fe Pb Mg Mn Mo Ni K Se Ag SiO ₂ Na Sr Ti Sn U V Zn	Cr Co Cu	B Cd Ca	Be	As Ba	Al Sb	Texas 11 Al Sb As	13PPM	8RCRA		6020:	200.8 / 6020:	Total 200.7 / 6010	
				×	×	×	1	Grab/	1	13:25	7.18.25	s		HA-6	
•				×	×	×	_	.5 Grab/	0.5	13:20	7.18.25	s		HA-6	$\overline{}$
				×	×	×	1	3 Grab/	ω	13:15	7.18.25	S		HA-5	_
				×	×	×	1	2 Grab/	2	13:10	7.18.25	S		HA-5	
				×	×	×	1	Grab/	_	13:05	7.18.25	S		HA-5	_
				×	×	×	1	.5 Grab/	0.5	13:00	7.18.25	S		HA-5	_
				×	×	×	1	2 Grab/	2	12:55	7.18.25	S		HA-4	_
	nAPP2519532647	nAP		×	×	×	1	Grab/	_	12:50	7.18.25	တ		HA-4	_
	Incident Number	Inci		×	×	×	1	.5 Grab/	0.5	12:45	7.18.25	တ		HA-4	
				BTE	Chlo	ТРН	#	Comp	Depail (leat)	Sampled	Sampled	and display	ALI OIL	Carrier activition of the	_
	Sample Comments	Sam	ir Ru	X-NR	oride	-NM		(foot) Grab/	Denth	Time	Date	Matrix	tion	Sample Identific	_
	NaOH+Ascorbic Acid: SAPC	NaOH+Asc	sh	A	NM			5	: -4.	Corrected Temperature:	Corrected 1			Total Containers:	_
4 (Zn Acetate+NaOH: Zn	Zn Acetate						00)	-4.	e Reading:	Temperature Reading:	N.	Yes No	Sample Custody Seals:	_
	VaSO ₃	Na ₂ S ₂ O ₃ : NaSO ₃					Pa	Ċ	Ö	-actor:	Correction Factor	No CALL	Yes N	Cooler Custody Seals:	_
	IABIS	NaHSO₄: NABIS					arar	Surco	720	er ID:	Thermometer ID:	No	(Yes	Samples Received Intact:	_
		H ₃ PO ₄ : HP					nete	Yes No		Wet ice:	Yes (No	Lemp Blank:	Temp	SAMPLE RECEIPT	_
	NaOH: Na	H ₂ S0 ₄ : H ₂				_	rs	1:30pm	received by 4:30pm	76				CC/WO #:	_
	HNO ₃ : HN	HCL: HC		_			Ť	TAT starts the day received by the lab, if	he day rece	TAT starts t	ם 	Santiago Giror	Sant	Sampler's Name:	_
				-											

Relinguished by: (Signature)

Received by: (Signature)

12

955/2

Relinquished by: (Signature)

Received by: (Signature)

Date/Time

Revised Date: 08/25/2020 Rev. 2020.2

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Chain of Custody

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3334	Work Order No:
296	
99	~ ~
	www.xenco.com Page > of >
	Work Order Comments
	Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
	State of Project:
	Reporting: Level II Level III PST/UST TRRP Level IV
	Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Project Number:	Project Location:	Sampler's Name:	CC/WO #:	SAMPLE RECEIPT	Samples Received Intact:	Cooler Custody Seals:	Sample Custody Seals:	Total Containers:	Sample Identification	HA-6								Total 200.7 / 6010	Circle Method(s) and Metal(s) to be analyzed	Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions
Nailed It B CTB	6798	Eddy County, NM	Santiago Giron		Temp Blank:	Yes No.	Yes No NA Correction Factor	Yes No											200.8 / 6020:	etal(s) to be a	ent and relinquish
ВСТЕ	8	nty, N	Giror		Ř.))	NA			Matrix	S				1	1	1		9	nalyze	ment of
ω		8			Yes No	Thermometer ID:	orrection f	Temperature Reading	orrected T	Date Sampled	7.18.25									bd	samples cor
1	☑ Routine	Due Date:	TAT starts the	rec	Wet Ice:	er iD:	actor:	e Reading:	Corrected Temperature:	Time Sampled	13:30								8RCRA		stitutes a valid
Turn Around	Rush	Routine TAT	TAT starts the day received by the lab, if	received by 4:30pm	(yes) No	Tunco	6.0 -	8.4.	. 4.6	Depth (feet)	2								8RCRA 13PPM Texas 11		
		TA	ne lab, if			7				Grab/ 6	Grab/								11 AI		
	Pres. Code			ers	nete	ran	Pa			# of Cont	1								I Sb As		
				_						TPH -NM	×								As Ba		
						_			NM	Chloride-	×		-		1				ВеВ		
					-					BTEX-NW	×			+	+	-		3			
	-	+			+	-			_	Hold				+	+	_			Cd Ca Cr Co Cu		
ANAL			+		-	÷			en.	24 Hr Rus			+	+	+	+			000		
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	N N	S	Ŧ	H ₂	13	Na	Ne	Zn	Z				+-	+	4	_			र्	31/24	
Pres	None: NO	Cool: Cool	HCL: HC	H ₂ S0 ₄ : H ₂	H ₃ PO ₄ : HP	NaHSO ₄ : NABIS	Na ₂ S ₂ O ₃ : NaSO ₃	Zn Acetate+NaOH: Zn	OH+As	San	Inc	ΠA							TI Sn	Hg: 1631 / 245.1 / 7470 / 7471	
servati						NABIS	NaSO ₃	e+NaO	corbic	nple C	ident	PP251			1				Sn U V Zn	470 /	
Preservative Codes	DI Water: H ₂ O	MeOH: Me	HNO ₃ : HN	NaOH: Na				H: Zn	NaOH+Ascorbic Acid: SAPC	Sample Comments	ncident Number	nAPP2519532647							Zn	7471	
	U	H	_		-	+	_	-			_			\perp							

Phone:

City, State ZIP:

Carlsbad, NM, 88220

City, State ZIP: Address: Company Name: Bill to: (if different)

Earth Systems

Earth Systems R&R Gilbert Moreno

1910 Resource Ct.

Address: Company Name: Project Manager:

Login Sample Receipt Checklist

Client: Earth Systems Response and Restoration

Job Number: 890-8478-1

SDG Number: Eddy County, NM

List Source: Eurofins Carlsbad

Login Number: 8478 List Number: 1

Creator: Bruns, Shannon

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	

Euronnis Carisbau

Released to Imaging: 12/12/2025 2:49:03 PM

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Login Sample Receipt Checklist

Client: Earth Systems Response and Restoration

Login Number: 8478

Creator: Rios, Minerva

List Number: 2

MS/MSDs

<6mm (1/4").

Job Number: 890-8478-1

SDG Number: Eddy County, NM

List Source: Eurofins Midland

List Creation: 07/22/25 08:27 AM

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	30111110111
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	True	

N/A

Eurofins Carlsbad

Containers requiring zero headspace have no headspace or bubble is

Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 7/25/2025 10:29:14 AM

JOB DESCRIPTION

Nailed it B CTB Eddy County, NM

JOB NUMBER

890-8479-1

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

Brianna Tel

Generated 7/25/2025 10:29:14 AM

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

Eurofins Carlsbad is a laboratory within Eurofins Environment Testing South Central, LLC, a company within Eurofins Environment Testing Group of Companies

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

Laboratory Job ID: 890-8479-1 SDG: Eddy County, NM

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3 4 5 6 1 1 1 2 2

Definitions/Glossary

Client: Earth Systems Response and Restoration

Job ID: 890-8479-1 Project/Site: Nailed it B CTB SDG: Eddy County, NM

Qualifiers

GC VOA

Qualifier **Qualifier Description**

Indicates the analyte was analyzed for but not detected.

GC Semi VOA

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

HPLC/IC

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)

MCL MDA

EDL

LOD

LOQ

EPA recommended "Maximum Contaminant Level" Minimum Detectable Activity (Radiochemistry) MDC Minimum Detectable Concentration (Radiochemistry)

Limit of Quantitation (DoD/DOE)

Estimated Detection Limit (Dioxin)

Limit of Detection (DoD/DOE)

MDL Method Detection Limit Minimum Level (Dioxin) ML MPN Most Probable Number Method Quantitation Limit MQL

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 **Quality Control** QC

RER Relative Error Ratio (Radiochemistry)

Reporting Limit or Requested Limit (Radiochemistry) RL

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

Job ID: 890-8479-1

Case Narrative

Client: Earth Systems Response and Restoration

Project: Nailed it B CTB

Eurofins Carlsbad Job ID: 890-8479-1

> Job Narrative 890-8479-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt

The samples were received on 7/21/2025 9:59 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was -4.6°C.

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: HA-7 (890-8479-1), HA-7 (890-8479-2), HA-8 (890-8479-3), HA-8 (890-8479-4), HA-9 (890-8479-5), HA-9 (890-8479-6), HA-10 (890-8479-7) and HA-10 (890-8479-8).

GC VOA

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

Diesel Range Organics

Method 8015MOD NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-114638 and analytical batch 880-114940 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 8015MOD NM: Surrogate recovery for the following sample was outside control limits: HA-9 (890-8479-5). Evidence of matrix interferences is not obvious.

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

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

Eurofins Carlsbad

7/25/2025

Client: Earth Systems Response and Restoration

Project/Site: Nailed it B CTB

SDG: Eddy County, NM

Client Sample ID: HA-7 Date Collected: 07/18/25 13:35

Lab Sample ID: 890-8479-1

Job ID: 890-8479-1

Date Received: 07/21/25 09:59

Matrix: Solid

Sample Depth: 0.5

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0.00200	U	0.00200		mg/Kg		07/21/25 12:25	07/22/25 11:36	
Toluene	<0.00200	U	0.00200		mg/Kg		07/21/25 12:25	07/22/25 11:36	
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/21/25 12:25	07/22/25 11:36	
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		07/21/25 12:25	07/22/25 11:36	
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/21/25 12:25	07/22/25 11:36	
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		07/21/25 12:25	07/22/25 11:36	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	89		70 - 130				07/21/25 12:25	07/22/25 11:36	-
1,4-Difluorobenzene (Surr)	97		70 - 130				07/21/25 12:25	07/22/25 11:36	
- Method: TAL SOP Total BTEX - 1	Total BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Total BTEX	<0.00399	U	0.00399		mg/Kg			07/22/25 11:36	-
Method: SW846 8015 NM - Diese	l Range Organ	ics (DRO) ((3C)						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Total TPH	<50.0	U	50.0		mg/Kg			07/24/25 20:30	
- Method: SW846 8015B NM - Dies	sel Range Orga	nics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/22/25 08:39	07/24/25 20:30	
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/22/25 08:39	07/24/25 20:30	
					m = /1/ ==		07/22/25 08:39		
,	<50.0	U	50.0		mg/Kg		01122123 00.33	07/24/25 20:30	
Oil Range Organics (Over C28-C36) Surrogate	<50.0 %Recovery		50.0 Limits		mg/Kg		Prepared	07/24/25 20:30 Analyzed	
Oil Range Organics (Over C28-C36) Surrogate					mg/kg				Dil Fa
Oil Range Organics (Over C28-C36) Surrogate 1-Chlorooctane	%Recovery		Limits		mg/kg		Prepared	Analyzed	Dil Fa
Oil Range Organics (Over C28-C36)	%Recovery 97 100	Qualifier	Limits 70 - 130 70 - 130		mg/Kg		Prepared 07/22/25 08:39	Analyzed 07/24/25 20:30	Dil Fa
Oil Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl	%Recovery 97 100 Chromatograp	Qualifier	Limits 70 - 130 70 - 130	MDL	Unit	D	Prepared 07/22/25 08:39	Analyzed 07/24/25 20:30	Dil Fa

Client Sample ID: HA-7

Lab Sample ID: 890-8479-2

Matrix: Solid

Date Collected: 07/18/25 13:40 Date Received: 07/21/25 09:59

Sample Depth: 2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		07/21/25 12:25	07/22/25 11:57	1
Toluene	<0.00201	U	0.00201		mg/Kg		07/21/25 12:25	07/22/25 11:57	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		07/21/25 12:25	07/22/25 11:57	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		07/21/25 12:25	07/22/25 11:57	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		07/21/25 12:25	07/22/25 11:57	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		07/21/25 12:25	07/22/25 11:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130				07/21/25 12:25	07/22/25 11:57	

Client: Earth Systems Response and Restoration

Project/Site: Nailed it B CTB

Job ID: 890-8479-1

SDG: Eddy County, NM

Client Sample ID: HA-7

Date Collected: 07/18/25 13:40 Date Received: 07/21/25 09:59

Sample Depth: 2

Lab Sample ID: 890-8479-2

Matrix: Solid

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

%Recovery Qualifier Limits Prepared Surrogate Analyzed Dil Fac 70 - 130 07/21/25 12:25 1,4-Difluorobenzene (Surr) 97 07/22/25 11:57

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte Result Qualifier RL MDL Unit D Analyzed Dil Fac Prepared Total BTEX <0.00402 0.00402 07/22/25 11:57 mg/Kg

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

Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac Total TPH <50.0 50.0 07/24/25 22:38 mg/Kg

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

MDL Unit Analyte Result Qualifier RL D Prepared Analyzed Dil Fac <50.0 U F1 mg/Kg 07/24/25 22:38 Gasoline Range Organics 50.0 07/22/25 08:41 (GRO)-C6-C10 <50.0 U F1 50.0 07/22/25 08:41 07/24/25 22:38 Diesel Range Organics (Over mg/Kg C10-C28) Oil Range Organics (Over C28-C36) <50.0 U 50.0 mg/Kg 07/22/25 08:41 07/24/25 22:38

Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac 1-Chlorooctane 93 70 - 130 07/22/25 08:41 07/24/25 22:38 07/22/25 08:41 94 70 - 130 07/24/25 22:38 o-Terphenyl

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac 10.0 07/23/25 01:10 Chloride 105 mg/Kg

Lab Sample ID: 890-8479-3 Client Sample ID: HA-8

Date Collected: 07/18/25 13:45 Date Received: 07/21/25 09:59

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 07/21/25 12:25 07/22/25 12:17 Toluene <0.00202 U 0.00202 07/21/25 12:25 07/22/25 12:17 mg/Kg Ethylbenzene <0.00202 U 0.00202 07/21/25 12:25 07/22/25 12:17 mg/Kg 0.00404 07/22/25 12:17 m-Xylene & p-Xylene <0.00404 U 07/21/25 12:25 mg/Kg o-Xylene <0.00202 U 0.00202 mg/Kg 07/21/25 12:25 07/22/25 12:17 Xylenes, Total <0.00404 U 0.00404 mg/Kg 07/21/25 12:25 07/22/25 12:17

%Recovery Qualifier Limits Dil Fac Surrogate Prepared Analyzed 70 - 130 07/21/25 12:25 4-Bromofluorobenzene (Surr) 92 07/22/25 12:17 1,4-Difluorobenzene (Surr) 98 70 - 130 07/21/25 12:25 07/22/25 12:17

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte Result Qualifier RL MDL D Unit Prepared Analyzed Dil Fac Total BTEX <0.00404 0.00404 07/22/25 12:17 mg/Kg

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

Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac <49.9 U Total TPH 49.9 07/24/25 23:25 mg/Kg

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Matrix: Solid

Client: Earth Systems Response and Restoration

Project/Site: Nailed it B CTB

Job ID: 890-8479-1 SDG: Eddy County, NM

Client Sample ID: HA-8

Date Collected: 07/18/25 13:45

Date Received: 07/21/25 09:59 Sample Depth: 0.5

Lab Sample ID: 890-8479-3

07/23/25 01:18

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.9	U	49.9		mg/Kg		07/22/25 08:41	07/24/25 23:25	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.9	U	49.9		mg/Kg		07/22/25 08:41	07/24/25 23:25	1
C10-C28)									
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/22/25 08:41	07/24/25 23:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane			70 - 130				07/22/25 08:41	07/24/25 23:25	1
o-Terphenyl	111		70 - 130				07/22/25 08:41	07/24/25 23:25	1
- Mathada EDA 000 0 - Autous Jaco	01		-						
Method: EPA 300.0 - Anions, Ion	Chromatograp	ny - Solubi	е						
Analyte	Pocult	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac

Client Sample ID: HA-8 Lab Sample ID: 890-8479-4 **Matrix: Solid**

9.98

mg/Kg

63.9

Date Collected: 07/18/25 13:50

Date Received: 07/21/25 09:59

Sample Depth: 2

Chloride

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		07/21/25 12:25	07/22/25 12:38	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/21/25 12:25	07/22/25 12:38	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/21/25 12:25	07/22/25 12:38	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		07/21/25 12:25	07/22/25 12:38	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		07/21/25 12:25	07/22/25 12:38	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/21/25 12:25	07/22/25 12:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130				07/21/25 12:25	07/22/25 12:38	1
1,4-Difluorobenzene (Surr)	89		70 - 130				07/21/25 12:25	07/22/25 12:38	1
Method: TAL SOP Total BTEX - T	otal BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			07/22/25 12:38	1
Method: SW846 8015 NM - Diese	I Range Organ	ics (DRO) (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			07/24/25 23:41	1
Method: SW846 8015B NM - Dies	sel Range Orga	nics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/22/25 08:41	07/24/25 23:41	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/22/25 08:41	07/24/25 23:41	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/22/25 08:41	07/24/25 23:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	109		70 - 130				07/22/25 08:41	07/24/25 23:41	1

Client: Earth Systems Response and Restoration

Project/Site: Nailed it B CTB

Client Sample ID: HA-8

Date Collected: 07/18/25 13:50

Date Received: 07/21/25 09:59

Lab Sample ID: 890-8479-4

Matrix: Solid

Job ID: 890-8479-1

SDG: Eddy County, NM

Sample Depth: 2

	Method: EPA 300.0 - Anions, Ion Cl	hromatograp	hy - Soluble	•						
4	Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Chloride	18.4		10.1		mg/Kg			07/22/25 21:39	1

Client Sample ID: HA-9 Lab Sample ID: 890-8479-5 Matrix: Solid

Date Collected: 07/18/25 13:55 Date Received: 07/21/25 09:59

Sample Depth: 0.5

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/21/25 12:25	07/22/25 12:58	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/21/25 12:25	07/22/25 12:58	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/21/25 12:25	07/22/25 12:58	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		07/21/25 12:25	07/22/25 12:58	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/21/25 12:25	07/22/25 12:58	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		07/21/25 12:25	07/22/25 12:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130				07/21/25 12:25	07/22/25 12:58	1
1,4-Difluorobenzene (Surr)	79		70 - 130				07/21/25 12:25	07/22/25 12:58	1
Method: TAL SOP Total BTEX	- Total BTEX Cale	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			07/22/25 12:58	1
- Method: SW846 8015 NM - Die	esel Range Organ	ics (DRO) (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	П	49.8		ma/Ka			07/24/25 23:57	

	\49.0	U	49.0		mg/Rg			01/24/25 25.57	
Method: SW846 8015B NM - Dies	sel Range Orga	nics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.8	U	49.8		mg/Kg		07/22/25 08:41	07/24/25 23:57	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.8	U	49.8		mg/Kg		07/22/25 08:41	07/24/25 23:57	1
C10-C28)									
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		07/22/25 08:41	07/24/25 23:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	135	S1+	70 - 130				07/22/25 08:41	07/24/25 23:57	1
o-Terphenyl	132	S1+	70 - 130				07/22/25 08:41	07/24/25 23:57	1
_									

Method: EPA 300.0 - Anions, Ion Chi	omatography	- Soluble						
Analyte	Result Qu	alifier RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	22.0	9.98		mg/Kg			07/22/25 21:56	1

Client: Earth Systems Response and Restoration

Project/Site: Nailed it B CTB

Date Received: 07/21/25 09:59

SDG: Eddy County, NM

Lab Sample ID: 890-8479-6

Client Sample ID: HA-9

Date Collected: 07/18/25 14:00

Lab Sar

Matrix: Solid

Job ID: 890-8479-1

Sample Depth: 2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		07/21/25 12:25	07/22/25 13:19	1
Toluene	<0.00198	U	0.00198		mg/Kg		07/21/25 12:25	07/22/25 13:19	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		07/21/25 12:25	07/22/25 13:19	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		07/21/25 12:25	07/22/25 13:19	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		07/21/25 12:25	07/22/25 13:19	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		07/21/25 12:25	07/22/25 13:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130				07/21/25 12:25	07/22/25 13:19	1
1,4-Difluorobenzene (Surr)	85		70 - 130				07/21/25 12:25	07/22/25 13:19	1
Method: TAL SOP Total BTEX	- Total BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	11	0.00396		mg/Kg			07/22/25 13:19	

Method: SW846 8015 NM - Diesel F	Range Organics (DRO) (G	C)					
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0 U	50.0	mg/Kg			07/25/25 00:13	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0		mg/Kg		07/22/25 08:41	07/25/25 00:13	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<50.0	U	50.0		mg/Kg		07/22/25 08:41	07/25/25 00:13	1
C10-C28)									
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/22/25 08:41	07/25/25 00:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	111		70 - 130				07/22/25 08:41	07/25/25 00:13	1
o-Terphenyl	108		70 - 130				07/22/25 08:41	07/25/25 00:13	1

Method: EPA 300.0 - Anions, Ion C	hromatography - Soluble	!					
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Chloride	30.9	10.1	mg/Kg			07/22/25 22:02	1

Client Sample ID: HA-10 Lab Sample ID: 890-8479-7

Matrix: Solid

Sample Depth: 0.5

Date Collected: 07/18/25 14:05

Date Received: 07/21/25 09:59

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		07/21/25 12:25	07/22/25 13:39	1
Toluene	<0.00201	U	0.00201		mg/Kg		07/21/25 12:25	07/22/25 13:39	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		07/21/25 12:25	07/22/25 13:39	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		07/21/25 12:25	07/22/25 13:39	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		07/21/25 12:25	07/22/25 13:39	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		07/21/25 12:25	07/22/25 13:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)			70 - 130				07/21/25 12:25	07/22/25 13:39	1

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12

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Client: Earth Systems Response and Restoration

Project/Site: Nailed it B CTB

Job ID: 890-8479-1

SDG: Eddy County, NM

Client Sample ID: HA-10

Date Collected: 07/18/25 14:05 Date Received: 07/21/25 09:59

Sample Depth: 0.5

Lab Sample ID: 890-8479-7

Matrix: Solid

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

%Recovery Qualifier Limits Prepared Surrogate Analyzed Dil Fac 07/21/25 12:25 1,4-Difluorobenzene (Surr) 87 70 - 130 07/22/25 13:39

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte Result Qualifier RL MDL Unit D Analyzed Dil Fac Prepared Total BTEX <0.00402 0.00402 07/22/25 13:39 mg/Kg

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

Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac Total TPH <49.9 49.9 07/25/25 00:30 mg/Kg

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

MDL Unit Analyte Result Qualifier RL D Prepared Analyzed Dil Fac <49.9 U mg/Kg Gasoline Range Organics 49.9 07/22/25 08:41 07/25/25 00:30 (GRO)-C6-C10 <49.9 U 49.9 07/22/25 08:41 07/25/25 00:30 Diesel Range Organics (Over mg/Kg C10-C28) Oil Range Organics (Over C28-C36) <49.9 U 49.9 mg/Kg 07/22/25 08:41 07/25/25 00:30

Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac 1-Chlorooctane 113 70 - 130 07/22/25 08:41 07/25/25 00:30 110 70 - 130 07/22/25 08:41 07/25/25 00:30 o-Terphenyl

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac 10.0 07/22/25 22:08 Chloride 12.4 mg/Kg

Lab Sample ID: 890-8479-8 **Client Sample ID: HA-10**

Date Collected: 07/18/25 14:10 Date Received: 07/21/25 09:59

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 07/21/25 12:25 07/22/25 14:00 Toluene <0.00201 U 0.00201 07/21/25 12:25 07/22/25 14:00 mg/Kg Ethylbenzene <0.00201 U 0.00201 07/21/25 12:25 07/22/25 14:00 mg/Kg 07/22/25 14:00 m-Xylene & p-Xylene <0.00402 U 0.00402 07/21/25 12:25 mg/Kg o-Xylene <0.00201 U 0.00201 mg/Kg 07/21/25 12:25 07/22/25 14:00 Xylenes, Total <0.00402 U 0.00402 mg/Kg 07/21/25 12:25 07/22/25 14:00

%Recovery Qualifier Limits Dil Fac Surrogate Prepared Analyzed 70 - 130 07/21/25 12:25 4-Bromofluorobenzene (Surr) 94 07/22/25 14:00 1,4-Difluorobenzene (Surr) 94 70 - 130 07/21/25 12:25 07/22/25 14:00

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte Result Qualifier RL MDL D Unit Prepared Analyzed Dil Fac Total BTEX <0.00402 0.00402 07/22/25 14:00 mg/Kg

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

Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac <49.9 U Total TPH 49.9 07/25/25 00:46 mg/Kg

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Matrix: Solid

Client: Earth Systems Response and Restoration

Job ID: 890-8479-1 Project/Site: Nailed it B CTB SDG: Eddy County, NM

Client Sample ID: HA-10

Date Collected: 07/18/25 14:10 Date Received: 07/21/25 09:59

Sample Depth: 2

Analyte

Chloride

Lab Sample ID: 890-8479-8

Analyzed

07/22/25 22:13

Matrix: Solid

		5
 3	Dil Fac	6
6	1	

Dil Fac

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		07/22/25 08:41	07/25/25 00:46	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/22/25 08:41	07/25/25 00:46	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/22/25 08:41	07/25/25 00:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane			70 - 130				07/22/25 08:41	07/25/25 00:46	1
o-Terphenyl	115		70 - 130				07/22/25 08:41	07/25/25 00:46	1

RL

10.0

MDL Unit

mg/Kg

D

Prepared

Result Qualifier

15.7

Surrogate Summary

Client: Earth Systems Response and Restoration

Job ID: 890-8479-1 Project/Site: Nailed it B CTB SDG: Eddy County, NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid Prep Type: Total/NA

				Percent Surrogate Re
		BFB1	DFBZ1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
890-8479-1	HA-7	89	97	
890-8479-1 MS	HA-7	110	98	
890-8479-1 MSD	HA-7	102	104	
890-8479-2	HA-7	102	97	
890-8479-3	HA-8	92	98	
890-8479-4	HA-8	106	89	
890-8479-5	HA-9	101	79	
890-8479-6	HA-9	97	85	
890-8479-7	HA-10	101	87	
890-8479-8	HA-10	94	94	
LCS 880-114594/1-A	Lab Control Sample	109	99	
LCSD 880-114594/2-A	Lab Control Sample Dup	107	99	
	Method Blank	87	93	

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid Prep Type: Total/NA

				Percent Surrogate Recovery (Acceptance Limits)
		1CO1	OTPH1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
890-8479-1	HA-7	97	100	
890-8479-2	HA-7	93	94	
890-8479-2 MS	HA-7	124	105	
890-8479-2 MSD	HA-7	126	106	
890-8479-3	HA-8	113	111	
890-8479-4	HA-8	109	108	
890-8479-5	HA-9	135 S1+	132 S1+	
890-8479-6	HA-9	111	108	
890-8479-7	HA-10	113	110	
890-8479-8	HA-10	117	115	
LCS 880-114637/2-A	Lab Control Sample	96	98	
LCS 880-114638/2-A	Lab Control Sample	105	113	
LCSD 880-114637/3-A	Lab Control Sample Dup	100	102	
LCSD 880-114638/3-A	Lab Control Sample Dup	105	112	
MB 880-114637/1-A	Method Blank	93	88	
MB 880-114638/1-A	Method Blank	101	99	

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: Earth Systems Response and Restoration

Job ID: 890-8479-1 Project/Site: Nailed it B CTB SDG: Eddy County, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-114594/5-A

Lab Sample ID: LCS 880-114594/1-A

Matrix: Solid

Analysis Batch: 114648

Client Sample ID: Method Blank

Prep Type: Total/NA

1

Prep Batch: 114594

	IVID	IVID							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/21/25 12:25	07/22/25 11:14	
Toluene	<0.00200	U	0.00200		mg/Kg		07/21/25 12:25	07/22/25 11:14	
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/21/25 12:25	07/22/25 11:14	
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		07/21/25 12:25	07/22/25 11:14	
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/21/25 12:25	07/22/25 11:14	
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		07/21/25 12:25	07/22/25 11:14	

MB MB

MD MD

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		70 - 130	07/21/25 12:	25 07/22/25 11:14	1
1,4-Difluorobenzene (Surr)	93		70 - 130	07/21/25 12:	25 07/22/25 11:14	1

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 114594

LCS LCS Spike Analyte Added Result Qualifier Unit %Rec Limits Benzene 0.100 0.08753 mg/Kg 88 70 - 130 Toluene 0.100 0.08970 mg/Kg 90 70 - 130 0.100 0.08655 Ethylbenzene mg/Kg 87 70 - 130 0.200 92 70 - 130 m-Xylene & p-Xylene 0.1841 mg/Kg 0.100 0.1010 70 - 130 o-Xylene mg/Kg 101

LCS LCS

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

Lab Sample ID: LCSD 880-114594/2-A **Client Sample ID: Lab Control Sample Dup**

Matrix: Solid

Matrix: Solid

Analysis Batch: 114648

Analysis Batch: 114648

Prep Type: Total/NA

Prep Batch: 114594

	Spike	LCSD	LCSD				%Rec		RPD	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Benzene	0.100	0.09168		mg/Kg		92	70 - 130	5	35	
Toluene	0.100	0.09046		mg/Kg		90	70 - 130	1	35	
Ethylbenzene	0.100	0.09604		mg/Kg		96	70 - 130	10	35	
m-Xylene & p-Xylene	0.200	0.2063		mg/Kg		103	70 - 130	11	35	
o-Xylene	0.100	0.08908		mg/Kg		89	70 - 130	13	35	

LCSD LCSD

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	107	70 - 130
1,4-Difluorobenzene (Surr)	99	70 - 130

Lab Sample ID: 890-8479-1 MS

Matrix: Solid

Analysis Batch: 114648

Client Sample ID: HA-7 Prep Type: Total/NA

Prep Batch: 114594

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.00200	U	0.100	0.08570		mg/Kg		86	70 - 130	
Toluene	<0.00200	U	0.100	0.08297		mg/Kg		83	70 - 130	

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QC Sample Results

Client: Earth Systems Response and Restoration

Job ID: 890-8479-1 Project/Site: Nailed it B CTB SDG: Eddy County, NM

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

Lab Sample ID: 890-8479-1 MS **Matrix**

Analy

ix: Solid				Prep Type: Total/NA
lysis Batch: 114648				Prep Batch: 114594
	Sample Sample	Spike	MS MS	%Rec

Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits
Ethylbenzene	<0.00200	U	0.100	0.07717		mg/Kg		77	70 - 130
m-Xylene & p-Xylene	<0.00399	U	0.200	0.2113		mg/Kg		106	70 - 130
o-Xylene	<0.00200	U	0.100	0.09807		mg/Kg		98	70 - 130

MS MS

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	110		70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

Lab Sample ID: 890-8479-1 MSD

Matrix: Solid

Analysis Batch: 114648

Client Sample ID: HA-7 Prep Type: Total/NA Prep Batch: 114594

Client Sample ID: HA-7

Sample Sample Spike MSD MSD %Rec Result Qualifier Added Result Qualifier %Rec RPD Limit Analyte Unit Limits 0.100 Benzene <0.00200 U 0.09708 mg/Kg 97 70 - 130 12 35 Toluene <0.00200 U 0.100 0.1003 mg/Kg 100 70 - 130 19 35 Ethylbenzene <0.00200 U 0.100 0.1067 mg/Kg 107 70 - 130 32 35 <0.00399 U 0.200 0.2256 70 - 130 7 35 m-Xylene & p-Xylene mg/Kg 113 0.100 <0.00200 U 0.1041 104 70 - 130 6 o-Xylene mg/Kg

MSD MSD

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	102		70 - 130
1,4-Difluorobenzene (Surr)	104		70 - 130

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

Lab Sample ID: MB 880-114637/1-A

Matrix: Solid

Analysis Batch: 114940

Client	Sample	ID:	Method	Blank

Prep Type: Total/NA

Prep Batch: 114637

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/22/25 08:11	07/24/25 03:15	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/22/25 08:11	07/24/25 03:15	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/22/25 08:11	07/24/25 03:15	1

MB MB

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	93	70 - 130	07/22/25 08:11	07/24/25 03:15	1
o-Terphenyl	88	70 - 130	07/22/25 08:11	07/24/25 03:15	1

Lab Sample ID: LCS 880-114637/2-A

Matrix: Solid

C10-C28)

Analysis Batch: 114940

Client Sample ID: Lab Control Sample)
Prep Type: Total/NA	

Prep Batch: 114637

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics	1000	899.2		mg/Kg		90	70 - 130	
(GRO)-C6-C10								
Diesel Range Organics (Over	1000	1035		mg/Kg		103	70 - 130	

Client: Earth Systems Response and Restoration

Project/Site: Nailed it B CTB

Job ID: 890-8479-1 SDG: Eddy County, NM

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

LCS LCS

Lab Sample ID: LCS 880-114637/2-A

Matrix: Solid

Analysis Batch: 114940

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 114637

Surrogate %Recovery Qualifier Limits 1-Chlorooctane 96 70 - 130 o-Terphenyl 98 70 - 130

Client Sample ID: Lab Control Sample Dup

70 - 130

101

Prep Type: Total/NA

Prep Batch: 114637

2

Lab Sample ID: LCSD 880-114637/3-A **Matrix: Solid**

Lab Sample ID: MB 880-114638/1-A

Analysis Batch: 114940

Spike LCSD LCSD %Rec RPD Analyte Added Result Qualifier Unit D %Rec Limits RPD Limit 1000 946.0 95 70 - 1305 20 Gasoline Range Organics mg/Kg (GRO)-C6-C10

1015

mg/Kg

1000

Diesel Range Organics (Over C10-C28)

Matrix: Solid

Analysis Batch: 114940

LCSD LCSD

Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	100		70 - 130
o-Terphenvl	102		70 - 130

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 114638

MB MB

MDL Unit Analyte Result Qualifier RL D Prepared Analyzed Dil Fac Gasoline Range Organics <50.0 U 50.0 mg/Kg 07/22/25 08:11 07/24/25 21:50 (GRO)-C6-C10 Diesel Range Organics (Over <50.0 U 50.0 mg/Kg 07/22/25 08:11 07/24/25 21:50 C10-C28) <50.0 U 50.0 Oil Range Organics (Over C28-C36) 07/22/25 08:11 07/24/25 21:50 mg/Kg

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130	07/22/25 08:11	07/24/25 21:50	1
o-Terphenyl	99		70 - 130	07/22/25 08:11	07/24/25 21:50	1

Lab Sample ID: LCS 880-114638/2-A **Client Sample ID: Lab Control Sample**

Matrix: Solid Prep Type: Total/NA Analysis Batch: 114940 Prep Batch: 114638

Spike LCS LCS %Rec Analyte Added Result Qualifier Unit %Rec Limits 1000 Gasoline Range Organics 1022 102 70 - 130 mg/Kg (GRO)-C6-C10 1000 1058 106 70 - 130 Diesel Range Organics (Over mg/Kg

C10-C28)

LCS LCS

Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	105		70 - 130
o-Terphenyl	113		70 - 130

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QC Sample Results

Client: Earth Systems Response and Restoration

Project/Site: Nailed it B CTB

Job ID: 890-8479-1 SDG: Eddy County, NM

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

Lab Sample ID: LCSD 880-114638/3-A

Matrix: Solid

Analysis Batch: 114940

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA **Prep Batch: 114638**

	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics	1000	1011		mg/Kg		101	70 - 130	1	20
(GRO)-C6-C10									
Diesel Range Organics (Over	1000	1049		mg/Kg		105	70 - 130	1	20
	Gasoline Range Organics (GRO)-C6-C10	Analyte Added Gasoline Range Organics 1000 (GRO)-C6-C10	AnalyteAddedResultGasoline Range Organics10001011(GRO)-C6-C10	Analyte Added Result Qualifier Gasoline Range Organics 1000 1011 (GRO)-C6-C10	AnalyteAddedResultQualifierUnitGasoline Range Organics10001011mg/Kg(GRO)-C6-C10	Analyte Added Result Qualifier Unit D Gasoline Range Organics 1000 1011 mg/Kg (GRO)-C6-C10	AnalyteAddedResultQualifierUnitD%RecGasoline Range Organics10001011mg/Kg101(GRO)-C6-C10	AnalyteAddedResultQualifierUnitD%RecLimitsGasoline Range Organics10001011mg/Kg10170 - 130(GRO)-C6-C10	AnalyteAddedResultQualifierUnitD%RecLimitsRPDGasoline Range Organics10001011mg/Kg10170 - 1301(GRO)-C6-C10

C10-C28)

LCSD LCSD

Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	105		70 - 130
o-Terphenyl	112		70 - 130

Client Sample ID: HA-7

Prep Type: Total/NA

Prep Batch: 114638

Lab Sample ID: 890-8479-2 MS Matrix: Solid

Analysis Batch: 114940

	Sample	Sample	Spike	IVIS	IVIS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics (GRO)-C6-C10	<50.0	U F1	996	1555	F1	mg/Kg		156	70 - 130	
Diesel Range Organics (Over C10-C28)	<50.0	U F1	996	1480	F1	mg/Kg		149	70 - 130	
	MS	MS								

Surrogate	%Recovery	Quaimer	Limits
1-Chlorooctane	124		70 - 130
o-Terphenyl	105		70 - 130

Lab Sample ID: 890-8479-2 MSD

Matrix: Solid

Analysis Batch: 114940

Client Sample ID: HA-7
Prep Type: Total/NA

Prep Batch: 114638

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Gasoline Range Organics	<50.0	U F1	996	1624	F1	mg/Kg		163	70 - 130	4	20	
(GRO)-C6-C10												
Diesel Range Organics (Over	<50.0	U F1	996	1517	F1	mg/Kg		152	70 - 130	3	20	
C10-C28)												

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	126		70 - 130
o-Terphenyl	106		70 - 130

MB MB

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-114666/1-A

Matrix: Solid

Analyte

Chloride

Analysis Batch: 114730

Client Sample ID: Method Blank

Prep Type: Soluble

Result Qualifier RL MDL Unit Prepared Analyzed Dil Fac D <10.0 U 10.0 07/22/25 21:28 mg/Kg

QC Sample Results

Client: Earth Systems Response and Restoration

Project/Site: Nailed it B CTB

Job ID: 890-8479-1 SDG: Eddy County, NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-114666/2-A Client Sample ID: Lab Control Sample

Matrix: Solid Prep Type: Soluble

Analysis Batch: 114730

Spike LCS LCS %Rec Analyte Added Result Qualifier %Rec Limits Unit D Chloride 250 230.4 mg/Kg 92 90 - 110

Lab Sample ID: LCSD 880-114666/3-A Client Sample ID: Lab Control Sample Dup **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 114730

Spike LCSD LCSD %Rec RPD Added Analyte Result Qualifier Unit D %Rec Limits RPD Limit Chloride 250 229.8 mg/Kg 92 90 - 110 0

Lab Sample ID: MB 880-114731/1-A Client Sample ID: Method Blank

Matrix: Solid Prep Type: Soluble

Analysis Batch: 114748

мв мв Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac Chloride <10.0 U 10.0 07/22/25 21:22 mg/Kg

Lab Sample ID: LCS 880-114731/2-A **Client Sample ID: Lab Control Sample Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 114748

Spike LCS LCS %Rec Added Analyte Result Qualifier Unit %Rec Limits Chloride 250 248.3 90 - 110 mg/Kg

Lab Sample ID: LCSD 880-114731/3-A Client Sample ID: Lab Control Sample Dup **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 114748

LCSD LCSD Spike %Rec RPD Analyte Added Result Qualifier Unit %Rec Limits RPD Limit Chloride 250 247.7 mg/Kg 99 90 - 110 20

Lab Sample ID: 890-8479-4 MS Client Sample ID: HA-8 Matrix: Solid **Prep Type: Soluble**

Analysis Batch: 114748

Sample Spike MS MS %Rec Sample Result Qualifier Added Analyte Result Qualifier Unit D %Rec Limits Chloride 18 4 252 274.2 mg/Kg 101 90 - 110

Lab Sample ID: 890-8479-4 MSD

Matrix: Solid

Analysis Batch: 114748

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MSD MSD %Rec RPD Sample Sample Spike Result Qualifier Added Analyte Result Qualifier Limits RPD Limit Unit %Rec Chloride 18.4 252 274.4 mg/Kg 102 90 - 110 20

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Client Sample ID: HA-8

Prep Type: Soluble

Client: Earth Systems Response and Restoration

Job ID: 890-8479-1 Project/Site: Nailed it B CTB SDG: Eddy County, NM

GC VOA

Prep Batch: 114594

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8479-1	HA-7	Total/NA	Solid	5035	
890-8479-2	HA-7	Total/NA	Solid	5035	
890-8479-3	HA-8	Total/NA	Solid	5035	
890-8479-4	HA-8	Total/NA	Solid	5035	
890-8479-5	HA-9	Total/NA	Solid	5035	
890-8479-6	HA-9	Total/NA	Solid	5035	
890-8479-7	HA-10	Total/NA	Solid	5035	
890-8479-8	HA-10	Total/NA	Solid	5035	
MB 880-114594/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-114594/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-114594/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-8479-1 MS	HA-7	Total/NA	Solid	5035	
890-8479-1 MSD	HA-7	Total/NA	Solid	5035	

Analysis Batch: 114648

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8479-1	HA-7	Total/NA	Solid	8021B	114594
890-8479-2	HA-7	Total/NA	Solid	8021B	114594
890-8479-3	HA-8	Total/NA	Solid	8021B	114594
890-8479-4	HA-8	Total/NA	Solid	8021B	114594
890-8479-5	HA-9	Total/NA	Solid	8021B	114594
890-8479-6	HA-9	Total/NA	Solid	8021B	114594
890-8479-7	HA-10	Total/NA	Solid	8021B	114594
890-8479-8	HA-10	Total/NA	Solid	8021B	114594
MB 880-114594/5-A	Method Blank	Total/NA	Solid	8021B	114594
LCS 880-114594/1-A	Lab Control Sample	Total/NA	Solid	8021B	114594
LCSD 880-114594/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	114594
890-8479-1 MS	HA-7	Total/NA	Solid	8021B	114594
890-8479-1 MSD	HA-7	Total/NA	Solid	8021B	114594

Analysis Batch: 114754

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8479-1	HA-7	Total/NA	Solid	Total BTEX	
890-8479-2	HA-7	Total/NA	Solid	Total BTEX	
890-8479-3	HA-8	Total/NA	Solid	Total BTEX	
890-8479-4	HA-8	Total/NA	Solid	Total BTEX	
890-8479-5	HA-9	Total/NA	Solid	Total BTEX	
890-8479-6	HA-9	Total/NA	Solid	Total BTEX	
890-8479-7	HA-10	Total/NA	Solid	Total BTEX	
890-8479-8	HA-10	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 114637

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8479-1	HA-7	Total/NA	Solid	8015NM Prep	
MB 880-114637/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-114637/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-114637/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: Earth Systems Response and Restoration

Job ID: 890-8479-1 Project/Site: Nailed it B CTB SDG: Eddy County, NM

GC Semi VOA

Prep Batch: 114638

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8479-2	HA-7	Total/NA	Solid	8015NM Prep	
890-8479-3	HA-8	Total/NA	Solid	8015NM Prep	
890-8479-4	HA-8	Total/NA	Solid	8015NM Prep	
890-8479-5	HA-9	Total/NA	Solid	8015NM Prep	
890-8479-6	HA-9	Total/NA	Solid	8015NM Prep	
890-8479-7	HA-10	Total/NA	Solid	8015NM Prep	
890-8479-8	HA-10	Total/NA	Solid	8015NM Prep	
MB 880-114638/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-114638/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-114638/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-8479-2 MS	HA-7	Total/NA	Solid	8015NM Prep	
890-8479-2 MSD	HA-7	Total/NA	Solid	8015NM Prep	

Analysis Batch: 114940

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8479-1	HA-7	Total/NA	Solid	8015B NM	114637
890-8479-2	HA-7	Total/NA	Solid	8015B NM	114638
890-8479-3	HA-8	Total/NA	Solid	8015B NM	114638
890-8479-4	HA-8	Total/NA	Solid	8015B NM	114638
890-8479-5	HA-9	Total/NA	Solid	8015B NM	114638
890-8479-6	HA-9	Total/NA	Solid	8015B NM	114638
890-8479-7	HA-10	Total/NA	Solid	8015B NM	114638
890-8479-8	HA-10	Total/NA	Solid	8015B NM	114638
MB 880-114637/1-A	Method Blank	Total/NA	Solid	8015B NM	114637
MB 880-114638/1-A	Method Blank	Total/NA	Solid	8015B NM	114638
LCS 880-114637/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	114637
LCS 880-114638/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	114638
LCSD 880-114637/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	114637
LCSD 880-114638/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	114638
890-8479-2 MS	HA-7	Total/NA	Solid	8015B NM	114638
890-8479-2 MSD	HA-7	Total/NA	Solid	8015B NM	114638

Analysis Batch: 115023

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8479-1	HA-7	Total/NA	Solid	8015 NM	
890-8479-2	HA-7	Total/NA	Solid	8015 NM	
890-8479-3	HA-8	Total/NA	Solid	8015 NM	
890-8479-4	HA-8	Total/NA	Solid	8015 NM	
890-8479-5	HA-9	Total/NA	Solid	8015 NM	
890-8479-6	HA-9	Total/NA	Solid	8015 NM	
890-8479-7	HA-10	Total/NA	Solid	8015 NM	
890-8479-8	HA-10	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 114666

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8479-1	HA-7	Soluble	Solid	DI Leach	
890-8479-2	HA-7	Soluble	Solid	DI Leach	
890-8479-3	HA-8	Soluble	Solid	DI Leach	
MB 880-114666/1-A	Method Blank	Soluble	Solid	DI Leach	

Eurofins Carlsbad

Page 20 of 30

QC Association Summary

Client: Earth Systems Response and Restoration

Job ID: 890-8479-1 Project/Site: Nailed it B CTB SDG: Eddy County, NM

HPLC/IC (Continued)

Leach Batch: 114666 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-114666/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-114666/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Analysis Batch: 114730

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8479-1	HA-7	Soluble	Solid	300.0	114666
890-8479-2	HA-7	Soluble	Solid	300.0	114666
890-8479-3	HA-8	Soluble	Solid	300.0	114666
MB 880-114666/1-A	Method Blank	Soluble	Solid	300.0	114666
LCS 880-114666/2-A	Lab Control Sample	Soluble	Solid	300.0	114666
LCSD 880-114666/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	114666

Leach Batch: 114731

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8479-4	HA-8	Soluble	Solid	DI Leach	
890-8479-5	HA-9	Soluble	Solid	DI Leach	
890-8479-6	HA-9	Soluble	Solid	DI Leach	
890-8479-7	HA-10	Soluble	Solid	DI Leach	
890-8479-8	HA-10	Soluble	Solid	DI Leach	
MB 880-114731/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-114731/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-114731/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-8479-4 MS	HA-8	Soluble	Solid	DI Leach	
890-8479-4 MSD	HA-8	Soluble	Solid	DI Leach	

Analysis Batch: 114748

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8479-4	HA-8	Soluble	Solid	300.0	114731
890-8479-5	HA-9	Soluble	Solid	300.0	114731
890-8479-6	HA-9	Soluble	Solid	300.0	114731
890-8479-7	HA-10	Soluble	Solid	300.0	114731
890-8479-8	HA-10	Soluble	Solid	300.0	114731
MB 880-114731/1-A	Method Blank	Soluble	Solid	300.0	114731
LCS 880-114731/2-A	Lab Control Sample	Soluble	Solid	300.0	114731
LCSD 880-114731/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	114731
890-8479-4 MS	HA-8	Soluble	Solid	300.0	114731
890-8479-4 MSD	HA-8	Soluble	Solid	300.0	114731

Client Sample ID: HA-7

Date Collected: 07/18/25 13:35 Date Received: 07/21/25 09:59

Lab Sample ID: 890-8479-1

Matrix: Solid

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	114594	07/21/25 12:25	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	114648	07/22/25 11:36	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			114754	07/22/25 11:36	SA	EET MID
Total/NA	Analysis	8015 NM		1			115023	07/24/25 20:30	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	114637	07/22/25 08:39	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	114940	07/24/25 20:30	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	114666	07/22/25 08:43	SI	EET MID
Soluble	Analysis	300.0		1			114730	07/23/25 01:02	CS	EET MID

Client Sample ID: HA-7 Lab Sample ID: 890-8479-2

Date Collected: 07/18/25 13:40 Date Received: 07/21/25 09:59

Dil Initial Final Batch Batch Batch Prepared Prep Type Туре Method Run Factor Amount Amount Number or Analyzed Analyst Lab Prep 5035 Total/NA 4.98 g 5 mL 114594 07/21/25 12:25 MNR EET MID Total/NA 8021B 5 mL 07/22/25 11:57 **EET MID** Analysis 1 5 mL 114648 MNR Total/NA Total BTEX 114754 07/22/25 11:57 Analysis SA **EET MID** 1 Total/NA Analysis 8015 NM 115023 07/24/25 22:38 SA **EET MID** Total/NA 114638 EL Prep 8015NM Prep 10.01 g 10 mL 07/22/25 08:41 EET MID Total/NA Analysis 8015B NM 1 uL 1 uL 114940 07/24/25 22:38 TKC **EET MID** Soluble SI Leach DI Leach 4.99 g 50 mL 114666 07/22/25 08:43 **EET MID** Soluble Analysis 300.0 114730 07/23/25 01:10 CS **EET MID**

Lab Sample ID: 890-8479-3 **Client Sample ID: HA-8** Date Collected: 07/18/25 13:45 **Matrix: Solid**

Date Received: 07/21/25 09:59

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	114594	07/21/25 12:25	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	114648	07/22/25 12:17	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			114754	07/22/25 12:17	SA	EET MID
Total/NA	Analysis	8015 NM		1			115023	07/24/25 23:25	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	114638	07/22/25 08:41	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	114940	07/24/25 23:25	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	114666	07/22/25 08:43	SI	EET MID
Soluble	Analysis	300.0		1			114730	07/23/25 01:18	CS	EET MID

Client Sample ID: HA-8 Lab Sample ID: 890-8479-4 Date Collected: 07/18/25 13:50 **Matrix: Solid**

Date Received: 07/21/25 09:59

Released to Imaging: 12/12/2025 2:49:03 PM

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	114594	07/21/25 12:25	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	114648	07/22/25 12:38	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			114754	07/22/25 12:38	SA	EET MID

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Client Sample ID: HA-8

Date Collected: 07/18/25 13:50 Date Received: 07/21/25 09:59

Lab Sample ID: 890-8479-4

Matrix: Solid

Matrix: Solid

Batch Batch Dil Initial Final Batch Prepared Prep Type Туре Method Run Factor Amount Amount Number or Analyzed Analyst Lab Total/NA 8015 NM 115023 07/24/25 23:41 SA EET MID Analysis Total/NA Prep 8015NM Prep 10.01 g 10 mL 114638 07/22/25 08:41 EL **EET MID** Total/NA 8015B NM 1 uL 1 uL 114940 07/24/25 23:41 TKC **EET MID** Analysis 1 07/22/25 12:01 Soluble Leach DI Leach 4.96 g 50 mL 114731 SI **EET MID** Soluble Analysis 300.0 1 114748 07/22/25 21:39 CS **EET MID**

Client Sample ID: HA-9 Lab Sample ID: 890-8479-5

Date Collected: 07/18/25 13:55 Date Received: 07/21/25 09:59

Batch Batch Dil Initial Final Batch Prepared Method Amount Amount Number **Prep Type** Type Run Factor or Analyzed Analyst Lab Total/NA Prep 5035 5.01 g 5 mL 114594 07/21/25 12:25 MNR **EET MID** Total/NA 8021B 5 mL 5 mL 114648 07/22/25 12:58 MNR EET MID Analysis 1 Total/NA Analysis Total BTEX 1 114754 07/22/25 12:58 SA **EET MID**

Total/NA 8015 NM 115023 07/24/25 23:57 **EET MID** Analysis SA 1 Total/NA Prep 8015NM Prep 10.04 g 10 mL 114638 07/22/25 08:41 EL **EET MID** Total/NA 8015B NM 1 uL 114940 07/24/25 23:57 TKC **EET MID** Analysis 1 uL Soluble Leach DI Leach 5.01 g 50 mL 114731 07/22/25 12:01 SI **EET MID** Soluble Analysis 300.0 1 114748 07/22/25 21:56 CS **EET MID**

Client Sample ID: HA-9 Lab Sample ID: 890-8479-6 Date Collected: 07/18/25 14:00 **Matrix: Solid**

Date Received: 07/21/25 09:59

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	114594	07/21/25 12:25	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	114648	07/22/25 13:19	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			114754	07/22/25 13:19	SA	EET MID
Total/NA	Analysis	8015 NM		1			115023	07/25/25 00:13	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	114638	07/22/25 08:41	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	114940	07/25/25 00:13	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	114731	07/22/25 12:01	SI	EET MID
Soluble	Analysis	300.0		1			114748	07/22/25 22:02	CS	EET MID

Client Sample ID: HA-10 Lab Sample ID: 890-8479-7

Date Collected: 07/18/25 14:05 Date Received: 07/21/25 09:59

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	114594	07/21/25 12:25	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	114648	07/22/25 13:39	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			114754	07/22/25 13:39	SA	EET MID
Total/NA	Analysis	8015 NM		1			115023	07/25/25 00:30	SA	EET MID
Total/NA Total/NA	Prep Analysis	8015NM Prep 8015B NM		1	10.02 g 1 uL	10 mL 1 uL	114638 114940	07/22/25 08:41 07/25/25 00:30	EL TKC	EET MID EET MID

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Matrix: Solid

Lab Chronicle

Client: Earth Systems Response and Restoration

Project/Site: Nailed it B CTB

SDG: Eddy County, NM

Lab Sample ID: 890-8479-7

Client Sample ID: HA-10 Date Collected: 07/18/25 14:05 Date Received: 07/21/25 09:59

Matrix: Solid

Job ID: 890-8479-1

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.98 g	50 mL	114731	07/22/25 12:01	SI	EET MID
Soluble	Analysis	300.0		1			114748	07/22/25 22:08	CS	EET MID

Client Sample ID: HA-10 Lab Sample ID: 890-8479-8

Date Collected: 07/18/25 14:10 **Matrix: Solid**

Date Received: 07/21/25 09:59

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	114594	07/21/25 12:25	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	114648	07/22/25 14:00	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			114754	07/22/25 14:00	SA	EET MID
Total/NA	Analysis	8015 NM		1			115023	07/25/25 00:46	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	114638	07/22/25 08:41	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	114940	07/25/25 00:46	TKC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	114731	07/22/25 12:01	SI	EET MID
Soluble	Analysis	300.0		1			114748	07/22/25 22:13	CS	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Earth Systems Response and Restoration

Job ID: 890-8479-1 Project/Site: Nailed it B CTB SDG: Eddy County, NM

Laboratory: Eurofins Midland

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

Authority	Progra	am	Identification Number	Expiration Date
Texas	NELA	Р	T104704400	06-30-26
• ,	are included in this report, bu	ut the laboratory is not certif	fied by the governing authority. This lis	t may include analytes
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 CTB

Job ID: 890-8479-1 SDG: Eddy County, NM

Method **Method Description** Protocol Laboratory 8021B Volatile Organic Compounds (GC) SW846 EET MID **Total BTEX Calculation** Total BTEX 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 **EET MID** Closed System Purge and Trap SW846 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

Eurofins Carlsbad

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Sample Summary

Client: Earth Systems Response and Restoration

Project/Site: Nailed it B CTB

Job ID: 890-8479-1 SDG: Eddy County, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-8479-1	HA-7	Solid	07/18/25 13:35	07/21/25 09:59	0.5
890-8479-2	HA-7	Solid	07/18/25 13:40	07/21/25 09:59	2
890-8479-3	HA-8	Solid	07/18/25 13:45	07/21/25 09:59	0.5
890-8479-4	HA-8	Solid	07/18/25 13:50	07/21/25 09:59	2
890-8479-5	HA-9	Solid	07/18/25 13:55	07/21/25 09:59	0.5
890-8479-6	HA-9	Solid	07/18/25 14:00	07/21/25 09:59	2
890-8479-7	HA-10	Solid	07/18/25 14:05	07/21/25 09:59	0.5
890-8479-8	HA-10	Solid	07/18/25 14:10	07/21/25 09:59	2

3

4

5

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11

12

Relinquished by: (Signature)

hu/m-

Those

9.59

Date/Time

Relinquished by: (Signature)

Received by: (Signature)

Date/Time

Revised Date: 08/25/2020 Rev 2020.2

Received by: (Signature)

Circle Method(s) and Metal(s) to be analyzed

Total 200.7 / 6010

200.8 / 6020:

HA-10 HA-10

S S

7.18.25

14:10 14:05 14:00 13:55 13:50 13:45 13:40 13:35

HA-9

S S S S

7.18.25

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7.18.25

7.18.25 7.18.25

HA-9 HA-8 HA-8

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 \$6 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Votice: 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

13 14

eurofins 🔆

Project Number:

Project Name:

Nailed It B CTB

6798

Project Location:

Eddy County, NM

Santiago Giron

TAT starts Due Dat ☑ Routin

Sampler's Name:

COMO #:

SAMPLE RECEIPT

Temp Blank: Yes

No No

Wet Ice

Cooler Custody Seals:

Yes Yes

No No

NA

NQ)

Thermometer ID:

ample Custody Seals:

otal Containers:

Sample Identification

Matrix

Sampled

Sample

Date

Time

Corrected Temperatur

Temperature Reading Correction Factor:

HA-7

S

S

7.18.25 7.18.25

HA-7

Samples Received Intact:

Phone:

City, State ZIP:

Carlsbad, NM, 88220

832-541-7719

Em

City, State ZIP

Reporting: Level II Level III PST/UST TRRP

Level IV

State of Project:

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

Company Name: Bill to: (if different)

Earth Systems

Address:

Project Manager:

Company Name:

Earth Systems R&R Gilbert Moreno

1910 Resource Ct.

Environment Testing Xenco

Chain of Custody

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 Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300

Work Order Comments	890-8479 Chain of Custody		
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ANALYSIS REQUEST ANALYSIS REQ		_			_		_		_		<u>a</u>	e:				1.	recei	i.	ļ °	7	ai:
Deliverables: EDD	13PPM Texa		2	0.5	2	0.5	2	0.5	2	0.5	Depth (feet)	-4.6	-45	-02	Throw		the day received by received by 4:30pm	Routine	Rush	Turn Around	gmoreno@ea
Deliverables: EDD	- 41		Grab	Grab	Grab	Grab	Grab	Grab	Grat	Grat	Grab				7	ō	the lab	TAT			arthsys
ANALYSIS REQUEST ANALYSIS RE	Al Sb			П		1			_		# of			P	araı	nete			Code		net
Deliverables: EDD	AS		×	×	×	×	×	×	×	×						T					
Deliverables: EDD	3a Be		×	×	×	×	×	×	×	×	Chloride	-NM				T					
Deliverables: EDD ☐ ADaPT ☐ Other: ANALYSIS REQUEST Preservative Codes None: NO DI Water: H₂O Cool: Cool: Cool MeOH: Me HCL: HC HNO₃: HN H₂SO₄: H₂ NaOH: Na H₃PO₄: NaBIS Na₂S₂O₃: NaSO₃ Zn-Acetate-NaOH: Zn NaOH+Ascorbic Acid: SAPC Sample Comments Incident Number nAPP2519532647 Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO₂ Na Sr Ti Sn U V Zn Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO₂ Na Sr Ti Sn U V Zn	ωl		×	×	×	×	×	×	×	×	BTEX-NI	И									
ANALYSIS REQUEST ANALYSIS REQUEST ANALYSIS REQUEST ANALYSIS REQUEST ANALYSIS REQUEST Preservative Codes None: NO Cool: Cool HOG: HCL: HC HOG: HC H	ပ္										Hold										
Deliverables: EDD	오										24 Hr Ru	sh									
Preservative Codes None: NO DI Water: H₂O Cool: Cool MeOH: Me H2O4: H2 NaHSO4: H2 NaHSO4: NABIS Na₂S₂O3: NaSO3 Zn-Acetate+NaOH: Zn NaOH+Ascorbic Acid: SAPC Incident Number nAPP2519532647 No Ni K Se Ag SiO₂ Na Sr TI Sn U V Zn Preservative Codes NaOH: Na Preservative Codes All MacOH: Ma H2O4: H2 NaOH: Na H3PO4: H3 NaOH: Na NaOH:	딘																			ANA	
Preservative Codes None: NO DI Water: H₂O Cool: Cool MeOH: Me H2O4: H2 NaHSO4: H2 NaHSO4: NABIS Na₂S₂O3: NaSO3 Zn-Acetate+NaOH: Zn NaOH+Ascorbic Acid: SAPC Incident Number nAPP2519532647 No Ni K Se Ag SiO₂ Na Sr TI Sn U V Zn Preservative Codes NaOH: Na Preservative Codes All MacOH: Ma H2O4: H2 NaOH: Na H3PO4: H3 NaOH: Na NaOH:	문																			LYSIS	
Preservative Codes None: NO DI Water: H₂O Cool: Cool MeOH: Me H2O4: H2 NaHSO4: H2 NaHSO4: NABIS Na₂S₂O3: NaSO3 Zn-Acetate+NaOH: Zn NaOH+Ascorbic Acid: SAPC Incident Number nAPP2519532647 No Ni K Se Ag SiO₂ Na Sr TI Sn U V Zn Preservative Codes NaOH: Na Preservative Codes All MacOH: Ma H2O4: H2 NaOH: Na H3PO4: H3 NaOH: Na NaOH:	Mg																			REQ	
Preservative Codes None: NO DI Water: H₂O Cool: Cool MeOH: Me HcL: Hc HNO₃: HN H₂SO₄: H₂ NABIS Na₂S₂O₃: NaSO₃ Zn Acetate+NaOH: Zn NaOH+Ascoribic Acid: SAPC Sample Comments Incident Number nAPP2519532647 Pag SiO₂ Na Sr TI Sn U V Zn Pag SiO₂ Na Sr TI Sn U V Zn	₹																			UEST	Delive
Preservative Codes None: NO DI Water: H₂O Cool: Cool MeOH: Me HcL: Hc HNO₃: HN H₂SO₄: H₂ NABIS Na₂S₂O₃: NaSO₃ Zn Acetate+NaOH: Zn NaOH+Ascoribic Acid: SAPC Sample Comments Incident Number nAPP2519532647 Pag SiO₂ Na Sr TI Sn U V Zn Pag SiO₂ Na Sr TI Sn U V Zn	Z.																				rables
Preservative Codes None: NO DI Water: H₂O Cool: Cool MeOH: Me H₂SO₄: H₂ NABIS Na₂S₂O₃: NASO₃ Zn Acetate+Na⊕H: Zn NaOH+Ascorbic Acid: SAPC Incident Number nAPP2519532647 Ag SiO₂ Na Sr TI Sn U V Zn Preservative Codes NaOH+ Ascorbic Acid: SAPC Reservative Comments Reservative Codes Ag SiO₂ Na Sr TI Sn U V Zn Preservative Codes NaOH: NaOH: Na Reservative Codes Ag SiO₂ Na Sr TI Sn U V Zn Preservative Codes Ag SiO₂ Na Sr TI Sn U V Zn Preservative Codes Ag SiO₂ Na Sr TI Sn U V Zn	제																				EDD
Preservative Codes None: NO DI Water: H₂O Cool: Cool MeOH: Me H∠SO₄: H₂ NABIS Na₂S₂O₃: NaSO₃ Zn-Acetate+NaOH: Zn NaOH+Ascorbic Acid: SAPC Incident Number nAPP2519532647 Na Sr TI Sn U V Zn Preservative Codes Incident Number nAPP2519532647 Na Sr TI Sn U V Zn	&∥																				
Other: Preservative Codes SiO ₂																					
Other: Preservative Codes					L				L											DaPT	
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Page 28 of 30	ū								nAPP	Incid	ampl	+Ascor	tate+) ₃ : Na	A. NA	#	H ₂	00	O	reser	₽
Page 28 of 30	V Zn								25195		e Con	bic Ac	laOH:	SO_3	BIS		z	E Z	0		er.
Page 28 of 30									3264	umbe	nmen	id: SAI	Zn				аОН: I	N 0 1	l Wate	Code	
2025 2:49:03 PM Page 28 of 30									7		S S	ဂိ					a z	Me	r: H ₂ O	Se	
	20	25	2:4	9:0	3 I	PM		1	-		Pag	je 2	28	of	30				Ī		

Hg: 1631 / 245.1 / 7470 / 7471

Login Sample Receipt Checklist

Client: Earth Systems Response and Restoration

Job Number: 890-8479-1

SDG Number: Eddy County, NM

List Source: Eurofins Carlsbad

Login Number: 8479 List Number: 1

Creator: Lopez, Abraham

Question	Answer	Comment
		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	
ls 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.	N/A	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

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Released to Imaging: 12/12/2025 2:49:03 PM

101

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4 4

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Login Sample Receipt Checklist

Client: Earth Systems Response and Restoration

Job Number: 890-8479-1

SDG Number: Eddy County, NM

List Source: Eurofins Midland

List Creation: 07/22/25 08:24 AM

Login Number: 8479 List Number: 2 Creator: Rios, Minerva

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	N/A	

Released to Imaging: 12/12/2025 2:49:03 PM

<6mm (1/4").

Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 7/23/2025 12:23:56 PM

JOB DESCRIPTION

Nailed It B CTB Eddy County, NM

JOB NUMBER

890-8480-1

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

Brianna Tel

Generated 7/23/2025 12:23:56 PM

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

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

Laboratory Job ID: 890-8480-1 SDG: Eddy County, NM

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Definitions/Glossary

Client: Earth Systems Response and Restoration

Job ID: 890-8480-1 Project/Site: Nailed It B CTB SDG: Eddy County, NM

Qualifiers

GC VOA

Qualifier **Qualifier Description**

Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier **Qualifier Description**

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

HPLC/IC

Qualifier **Qualifier Description**

Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation These commonly used abbreviations may or may not be present in this report.

74 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**

Detection Limit (DoD/DOE) DL

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)

Estimated Detection Limit (Dioxin) **EDL** 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 Method Quantitation Limit MQL

NC Not Calculated

ND Not Detected at the reporting limit (or MDL or EDL if shown)

NFG 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)

Relative Percent Difference, a measure of the relative difference between two points RPD

TEF Toxicity Equivalent Factor (Dioxin) TEQ Toxicity Equivalent Quotient (Dioxin)

TNTC Too Numerous To Count

Case Narrative

Client: Earth Systems Response and Restoration Job ID: 890-8480-1

Project: Nailed It B CTB

Eurofins Carlsbad Job ID: 890-8480-1

Job Narrative 890-8480-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt

The samples were received on 7/21/2025 9:59 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was -4.6°C.

GC VOA

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

Diesel Range Organics

Method 8015MOD NM: Surrogate recovery for the following samples were outside control limits: HA-11 (890-8480-1), HA-11 (890-8480-2) and HA-11 (890-8480-3). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD NM: Surrogate recovery for the following samples were outside control limits: (LCS 880-114633/2-A) and (LCSD 880-114633/3-A). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD NM: The surrogate recovery for the blank associated with preparation batch 880-114633 and analytical batch 880-114680 was outside the upper control limits.

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

HPLC/IC

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

Client Sample Results

Client: Earth Systems Response and Restoration

Client Sample ID: HA-11

Date Collected: 07/18/25 14:15

Date Received: 07/21/25 09:59

Project/Site: Nailed It B CTB

Lab Sample ID: 890-8480-1

Matrix: Solid

Job ID: 890-8480-1

SDG: Eddy County, NM

Sample Depth: 0.5

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		07/21/25 12:25	07/22/25 16:42	1
Toluene	0.00337		0.00199		mg/Kg		07/21/25 12:25	07/22/25 16:42	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/21/25 12:25	07/22/25 16:42	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		07/21/25 12:25	07/22/25 16:42	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		07/21/25 12:25	07/22/25 16:42	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/21/25 12:25	07/22/25 16:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 - 130				07/21/25 12:25	07/22/25 16:42	1
1,4-Difluorobenzene (Surr)	93		70 - 130				07/21/25 12:25	07/22/25 16:42	1
Method: TAL SOP Total BTEX - T	otal BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			07/22/25 16:42	1
Method: SW846 8015 NM - Diese	l Range Organ	ics (DRO) (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			07/22/25 18:52	1
Method: SW846 8015B NM - Dies	el Range Orga	nics (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		07/22/25 08:15	07/22/25 18:52	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		07/22/25 08:15	07/22/25 18:52	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		07/22/25 08:15	07/22/25 18:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	130		70 - 130				07/22/25 08:15	07/22/25 18:52	1

99.8 Chloride 4660 mg/Kg

Result Qualifier

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Client Sample ID: HA-11 Lab Sample ID: 890-8480-2 Date Collected: 07/18/25 14:20 **Matrix: Solid**

RL

MDL Unit

D

Prepared

Analyzed

07/22/25 22:30

Dil Fac

Date Received: 07/21/25 09:59

Sample Depth: 1

Analyte

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		07/21/25 12:25	07/22/25 17:03	1
Toluene	<0.00202	U	0.00202		mg/Kg		07/21/25 12:25	07/22/25 17:03	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		07/21/25 12:25	07/22/25 17:03	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		07/21/25 12:25	07/22/25 17:03	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		07/21/25 12:25	07/22/25 17:03	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		07/21/25 12:25	07/22/25 17:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130				07/21/25 12:25	07/22/25 17:03	

Client Sample Results

Client: Earth Systems Response and Restoration

Project/Site: Nailed It B CTB

Job ID: 890-8480-1 SDG: Eddy County, NM

Client Sample ID: HA-11

Date Collected: 07/18/25 14:20

Lab Sample ID: 890-8480-2

Date Received: 07/21/25 09:59

Matrix: Solid

Sample Depth: 1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	96		70 - 130	07/21/25 12:25	07/22/25 17:03	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403	mg/Kg			07/22/25 17:03	1

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

Analyte	Result Qualific	er RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0 U	50.0	ma/Ka			07/22/25 19:08	1

Method: SW846 8015B NM - Diesel Range Organics	(DRO)	(GC)	١
motified. Offerto College Ithin Biodol Rungo Organico	(5.10)	, , , , ,	,

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/22/25 08:15	07/22/25 19:08	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/22/25 08:15	07/22/25 19:08	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/22/25 08:15	07/22/25 19:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	128	70 - 130	07/22/25 08:15	07/22/25 19:08	1
o-Terphenyl	131 S1+	70 - 130	07/22/25 08:15	07/22/25 19:08	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	37.9		10.0		mg/Kg			07/22/25 22:36	1

Client Sample ID: HA-11 Lab Sample ID: 890-8480-3

Date Collected: 07/18/25 14:25 Date Received: 07/21/25 09:59

Sample Depth: 2

Mothod:	SW846 8021B	Volatile Or	ganie Compo	unde (CC)
i wethod:	5VV846 8U21B	- volatile Ur	danic Comboi	unas (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		07/21/25 12:25	07/22/25 17:23	1
Toluene	<0.00201	U	0.00201		mg/Kg		07/21/25 12:25	07/22/25 17:23	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		07/21/25 12:25	07/22/25 17:23	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		07/21/25 12:25	07/22/25 17:23	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		07/21/25 12:25	07/22/25 17:23	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		07/21/25 12:25	07/22/25 17:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130				07/21/25 12:25	07/22/25 17:23	1
1,4-Difluorobenzene (Surr)	84		70 - 130				07/21/25 12:25	07/22/25 17:23	1

Mothod: TAI	SOP Total RTFY	- Total RTFY	Calculation

Analyte	Result	Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	< 0.00402	U	0.00402	ma/Ka			07/22/25 17:23	1

Analyte	Result	Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	mg/Kg			07/22/25 19:23	1

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Matrix: Solid

Client Sample Results

Client: Earth Systems Response and Restoration

Job ID: 890-8480-1 Project/Site: Nailed It B CTB SDG: Eddy County, NM

Client Sample ID: HA-11

Sample Depth: 2

Client Sample ID: HA-11	Lab Sample ID: 890-8480-3
Pate Collected: 07/18/25 14:25	Matrix: Solid
Pate Received: 07/21/25 09:59	

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.8	U	49.8		mg/Kg		07/22/25 08:15	07/22/25 19:23	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.8	U	49.8		mg/Kg		07/22/25 08:15	07/22/25 19:23	1
C10-C28)									
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		07/22/25 08:15	07/22/25 19:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	130		70 - 130				07/22/25 08:15	07/22/25 19:23	1
o-Terphenyl	133	S1+	70 - 130				07/22/25 08:15	07/22/25 19:23	1
- Method: EPA 300.0 - Anions, Ion	Chromatograp	hy - Solubl	e						
	:	0	RL	MDL	Unit	D	Dropored	Analyzed	Dil Fac
Analyte	Result	Qualifier	KL	IVIDE	Oilit	U	Prepared	Allalyzeu	DII Fac

Surrogate Summary

Client: Earth Systems Response and Restoration

Job ID: 890-8480-1 Project/Site: Nailed It B CTB SDG: Eddy County, NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid Prep Type: Total/NA

<u> </u>
<u> </u>
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Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Matrix: Solid Prep Type: Total/NA

			P	Percent Surrogate Recovery (Acceptance Limits
		1001	OTPH1	
ab Sample ID	Client Sample ID	(70-130)	(70-130)	
0-8480-1	HA-11	130	134 S1+	
90-8480-2	HA-11	128	131 S1+	
90-8480-3	HA-11	130	133 S1+	
CS 880-114633/2-A	Lab Control Sample	131 S1+	135 S1+	
CSD 880-114633/3-A	Lab Control Sample Dup	136 S1+	140 S1+	
B 880-114633/1-A	Method Blank	118	133 S1+	

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

RL

0.00200

0.00200

0.00200

0.00400

0.00200

0.00400

Limits

70 - 130

70 - 130

MDL Unit

mg/Kg

mg/Kg

mg/Kg

mg/Kg

mg/Kg

mg/Kg

Client: Earth Systems Response and Restoration

Job ID: 890-8480-1 Project/Site: Nailed It B CTB SDG: Eddy County, NM

MB MB

<0.00200 U

<0.00200 U

<0.00200 U

<0.00400 U

<0.00200 U

<0.00400 U

%Recovery

MB MB

87

93

Qualifier

Result Qualifier

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-114594/5-A

Matrix: Solid

Analyte

Benzene

Toluene

o-Xylene

Surrogate

Ethylbenzene

Xylenes, Total

m-Xylene & p-Xylene

Analysis Batch: 114648

Client Sample ID: Method Blank

Prepared

07/21/25 12:25

07/21/25 12:25

07/21/25 12:25

Prep Type: Total/NA

Prep Batch: 114594

07/22/25 11:14

07/22/25 11:14

07/22/25 11:14

Dil Fac Analyzed 07/21/25 12:25 07/22/25 11:14 07/21/25 12:25 07/22/25 11:14 07/21/25 12:25 07/22/25 11:14 07/21/25 12:25 07/22/25 11:14

Prepared Dil Fac Analyzed 07/21/25 12:25 07/22/25 11:14

Lab Sample ID: LCS 880-114594/1-A

Matrix: Solid

Analysis Batch: 114648

4-Bromofluorobenzene (Surr)

1,4-Difluorobenzene (Surr)

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 114594

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.08753		mg/Kg		88	70 - 130	
Toluene	0.100	0.08970		mg/Kg		90	70 - 130	
Ethylbenzene	0.100	0.08655		mg/Kg		87	70 - 130	
m-Xylene & p-Xylene	0.200	0.1841		mg/Kg		92	70 - 130	
o-Xylene	0.100	0.1010		mg/Kg		101	70 - 130	

LCS LCS

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

Lab Sample ID: LCSD 880-114594/2-A

Matrix: Solid

Analysis Batch: 114648

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA Prep Batch: 114594

	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.100	0.09168		mg/Kg		92	70 - 130	5	35
Toluene	0.100	0.09046		mg/Kg		90	70 - 130	1	35
Ethylbenzene	0.100	0.09604		mg/Kg		96	70 - 130	10	35
m-Xylene & p-Xylene	0.200	0.2063		mg/Kg		103	70 - 130	11	35
o-Xylene	0.100	0.08908		mg/Kg		89	70 - 130	13	35

LCSD LCSD

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	107		70 - 130
1.4-Difluorobenzene (Surr)	99		70 ₋ 130

QC Sample Results

Client: Earth Systems Response and Restoration

Project/Site: Nailed It B CTB

Job ID: 890-8480-1 SDG: Eddy County, NM

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

Lab Sample ID: MB 880-114633/1-A

Lab Sample ID: LCS 880-114633/2-A

Lab Sample ID: LCSD 880-114633/3-A

Matrix: Solid

Matrix: Solid

Matrix: Solid

Analysis Batch: 114680

Analysis Batch: 114680

Analysis Batch: 114680

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 114633

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0		mg/Kg		07/22/25 08:10	07/22/25 03:17	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<50.0	U	50.0		mg/Kg		07/22/25 08:10	07/22/25 03:17	1
C10-C28)									
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/22/25 08:10	07/22/25 03:17	1
	МВ	MB							

Surrogate	%Recovery	Qualifier	Limits	Prep	pared	Analyzed	Dil Fac
1-Chlorooctane	118		70 - 130	07/22/2	25 08:10	07/22/25 03:17	1
o-Terphenyl	133	S1+	70 - 130	07/22/2	25 08:10	07/22/25 03:17	1

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 114633

LCS LCS Spike %Rec Analyte Added Result Qualifier Unit D %Rec Limits 991.6 Gasoline Range Organics 1000 99 70 - 130 mg/Kg (GRO)-C6-C10 1000 1194 Diesel Range Organics (Over mg/Kg 119 70 - 130C10-C28)

LCS LCS

Surrogate	%Recovery	Qualifier	Limits	
1-Chlorooctane	131	S1+	70 - 130	
o-Terphenyl	135	S1+	70 - 130	

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 114633

LCSD LCSD RPD Spike %Rec Limit Analyte Added Result Qualifier %Rec Limits RPD Unit Gasoline Range Organics 1000 1017 mg/Kg 102 70 - 130 20 (GRO)-C6-C10 Diesel Range Organics (Over 1000 1205 mg/Kg 121 70 - 130 20 C10-C28)

LCSD LCSD

Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	136	S1+	70 _ 130
o-Terphenyl	140	S1+	70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-114731/1-A Client Sample ID: Method Blank **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 114748

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			07/22/25 21:22	1

QC Sample Results

Client: Earth Systems Response and Restoration

Project/Site: Nailed It B CTB

Job ID: 890-8480-1 SDG: Eddy County, NM

Prep Type: Soluble

Prep Type: Soluble

Client Sample ID: Lab Control Sample

Client Sample ID: Lab Control Sample Dup

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-114731/2-A

Matrix: Solid

Analysis Batch: 114748

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	250	248.3		mg/Kg	_	99	90 - 110	

Lab Sample ID: LCSD 880-114731/3-A

Matrix: Solid

Analysis Batch: 114748

•	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	250	247.7		mg/Kg		99	90 - 110	0	20

QC Association Summary

Client: Earth Systems Response and Restoration

Job ID: 890-8480-1 Project/Site: Nailed It B CTB SDG: Eddy County, NM

GC VOA

Prep Batch: 114594

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8480-1	HA-11	Total/NA	Solid	5035	
890-8480-2	HA-11	Total/NA	Solid	5035	
890-8480-3	HA-11	Total/NA	Solid	5035	
MB 880-114594/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-114594/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-114594/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 114648

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8480-1	HA-11	Total/NA	Solid	8021B	114594
890-8480-2	HA-11	Total/NA	Solid	8021B	114594
890-8480-3	HA-11	Total/NA	Solid	8021B	114594
MB 880-114594/5-A	Method Blank	Total/NA	Solid	8021B	114594
LCS 880-114594/1-A	Lab Control Sample	Total/NA	Solid	8021B	114594
LCSD 880-114594/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	114594

Analysis Batch: 114832

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8480-1	HA-11	Total/NA	Solid	Total BTEX	
890-8480-2	HA-11	Total/NA	Solid	Total BTEX	
890-8480-3	HA-11	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 114633

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8480-1	HA-11	Total/NA	Solid	8015NM Prep	
890-8480-2	HA-11	Total/NA	Solid	8015NM Prep	
890-8480-3	HA-11	Total/NA	Solid	8015NM Prep	
MB 880-114633/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-114633/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-114633/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 114680

Lab Sample ID 890-8480-1	Client Sample ID HA-11	Prep Type Total/NA	Matrix Solid	Method 8015B NM	Prep Batch 114633
890-8480-2	HA-11	Total/NA	Solid	8015B NM	114633
890-8480-3	HA-11	Total/NA	Solid	8015B NM	114633
MB 880-114633/1-A	Method Blank	Total/NA	Solid	8015B NM	114633
LCS 880-114633/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	114633
LCSD 880-114633/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	114633

Analysis Batch: 114823

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Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8480-1	HA-11	Total/NA	Solid	8015 NM	
890-8480-2	HA-11	Total/NA	Solid	8015 NM	
890-8480-3	HA-11	Total/NA	Solid	8015 NM	

QC Association Summary

Client: Earth Systems Response and Restoration

Job ID: 890-8480-1 Project/Site: Nailed It B CTB SDG: Eddy County, NM

HPLC/IC

Leach Batch: 114731

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8480-1	HA-11	Soluble	Solid	DI Leach	
890-8480-2	HA-11	Soluble	Solid	DI Leach	
890-8480-3	HA-11	Soluble	Solid	DI Leach	
MB 880-114731/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-114731/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-114731/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Analysis Batch: 114748

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8480-1	HA-11	Soluble	Solid	300.0	114731
890-8480-2	HA-11	Soluble	Solid	300.0	114731
890-8480-3	HA-11	Soluble	Solid	300.0	114731
MB 880-114731/1-A	Method Blank	Soluble	Solid	300.0	114731
LCS 880-114731/2-A	Lab Control Sample	Soluble	Solid	300.0	114731
LCSD 880-114731/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	114731

Lab Chronicle

Client: Earth Systems Response and Restoration

Project/Site: Nailed It B CTB

Lab Sample ID: 890-8480-1

Matrix: Solid

Job ID: 890-8480-1

SDG: Eddy County, NM

Client Sample ID: HA-11 Date Collected: 07/18/25 14:15

Date Received: 07/21/25 09:59

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	114594	07/21/25 12:25	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	114648	07/22/25 16:42	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			114832	07/22/25 16:42	SA	EET MID
Total/NA	Analysis	8015 NM		1			114823	07/22/25 18:52	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	114633	07/22/25 08:15	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	114680	07/22/25 18:52	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	114731	07/22/25 12:01	SI	EET MID
Soluble	Analysis	300.0		10			114748	07/22/25 22:30	CS	EET MID

Client Sample ID: HA-11 Lab Sample ID: 890-8480-2 Matrix: Solid

Date Collected: 07/18/25 14:20

Date Received: 07/21/25 09:59

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	114594	07/21/25 12:25	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	114648	07/22/25 17:03	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			114832	07/22/25 17:03	SA	EET MID
Total/NA	Analysis	8015 NM		1			114823	07/22/25 19:08	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	114633	07/22/25 08:15	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	114680	07/22/25 19:08	TKC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	114731	07/22/25 12:01	SI	EET MID
Soluble	Analysis	300.0		1			114748	07/22/25 22:36	CS	EET MID

Client Sample ID: HA-11

Date Collected: 07/18/25 14:25 Date Received: 07/21/25 09:59

Lab Sample ID:	890-8480-3
	Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	114594	07/21/25 12:25	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	114648	07/22/25 17:23	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			114832	07/22/25 17:23	SA	EET MID
Total/NA	Analysis	8015 NM		1			114823	07/22/25 19:23	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	114633	07/22/25 08:15	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	114680	07/22/25 19:23	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	114731	07/22/25 12:01	SI	EET MID
Soluble	Analysis	300.0		1			114748	07/22/25 22:42	CS	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Earth Systems Response and Restoration

Job ID: 890-8480-1 Project/Site: Nailed It B CTB SDG: Eddy County, NM

Laboratory: Eurofins Midland

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

Authority	Progra	am	Identification Number	Expiration Date
Texas	NELAI)	T104704400	06-30-26
The following analytes	are included in this report, bu	t the laboratory is not certif	ied by the governing authority. This lis	t may include analytes
for which the agency d	oes not offer certification.	,	, , ,	,
9 ,				
Analysis Method	Prep Method	Matrix	Analyte	
Analysis Method 8015 NM	Prep Method	Matrix Solid	Analyte Total TPH	

Method Summary

Client: Earth Systems Response and Restoration

Method Description

Total BTEX Calculation

Volatile Organic Compounds (GC)

Diesel Range Organics (DRO) (GC)

Diesel Range Organics (DRO) (GC)

Deionized Water Leaching Procedure

Anions, Ion Chromatography

Closed System Purge and Trap

Project/Site: Nailed It B CTB

Job ID: 890-8480-1 SDG: Eddy County, NM

Protocol
SW846
EET MID
TAL SOP
EET MID
SW846
EET MID
SW846
EET MID
SW846
EET MID
EPA
EET MID

SW846

SW846

ASTM

EET MID

EET MID

EET MID

Protocol References:

Method

8021B

Total BTEX

8015 NM

8015B NM

8015NM Prep

DI Leach

300.0

5035

ASTM = ASTM International

EPA = US Environmental Protection Agency

Microextraction

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

Eurofins Carlsbad

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Sample Summary

Client: Earth Systems Response and Restoration

Project/Site: Nailed It B CTB

Job ID: 890-8480-1

SDG: Eddy County, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	ı
890-8480-1	HA-11	Solid	07/18/25 14:15	07/21/25 09:59	0.5
890-8480-2	HA-11	Solid	07/18/25 14:20	07/21/25 09:59	1
890-8480-3	HA-11	Solid	07/18/25 14:25	07/21/25 09:59	2

Relinquished by: (Signature)

Received by: (Signature)

4:39

Date/Time

Relinquished by: (Signature)

Received by: (Signature)

Date/Time

Revised Date: 08/25/2020 Rev. 2020.2

eurofins	Fins Environment Testing	Houston, TX Midland, TX (43 EL Paso, TX (143 Hobbs, NM (57	Chain of custody Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300 Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334 EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296 Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199	890-8480 Chain of Custody
				Www.xenco.com raye to
Project Manager: Gilbert Moreno Company Name: Earth Systems	Gilbert Moreno Earth Systems R&R	Bill to: (if different)	Earth Systems	Work Order Comments Program: UST/PST PRP Brownfields RRC Superfund
Address:	1910 Resource Ct	Address:	carrioystems	State of Project:
City State 7IP	Carlsbad NM 88220	City State ZIP:		Reporting: Level II Level III PST/UST TRRP Level IV

City, State ZIP:	Carlsbad, NM, 88220		City, State ZIP:									porting: Level II Lev	elli	Reporting: Level Level PSI/USI IRRY Level IV
Phone:	832-541-7719	Em	Email: gmoreno@earthsys.net	net							L D	Deliverables: EDD	\	ADaPT Other:
Project Name:	Nailed It B CTB		Turn Around						ANAL	LYSIS REQUEST	EQUE	ST		Preservative Codes
Project Number:	6798	☑ Routine		Pres. Code										None: NO DI Water: H ₂ O
Project Location:	Eddy County, NM	Due Date	e: Routine TAT											Cool: Cool MeOH: Me
Sampler's Name:	Santiago Giron	TAT starts	TAT starts the day received by the lab, it			_	-	+		_	4			HCL: HC HNO ₃ : HN
CC/WO #:			received by 4:30pm	rs										H ₂ S0 ₄ : H ₂ NaOH: Na
SAMPLE RECEIPT	Temp Blank:	Mys No Wet Ice	(yes No	nete		-	-	+			+			H₃PO₄: HP
Samples Received Intact:	No sel	Thermometer ID:	togant	ran		+		_			_			NaHSO ₄ : NABIS
Cooler Custody Seals:	Yes No NIA	Correction Factor:	-6.2	Pa							+			Na ₂ S ₂ O ₃ : NaSO ₃
Sample Custody Seals:	Yes No N/A	Temperature Reading:												Zn-Acetate+NaOH: Zn
Total Containers:	Cor	Corrected Temperature:	9. h_			_		sh						NaOH+Ascorbic Acid: SAPC
Sample Identification	Matrix	Date Time Sampled Sampled	d Depth (feet) Comp	# of Cont	TPH -NM	Chloride-	BTEX-NN	24 Hr Rus						Sample Comments
HA-11	S	7.18.25 14:15	0.5 Grab/		×	×	×							Incident Number
HA-11	S	7.18.25 14:20	1 Grab/		×	×	×				_			nAPP2519532647
HA-11	S	7.18.25 14:25	2 Grab/		×	×	×				-			
								+						
								+						
						-	-				-			
					L	-	-	-			-			
Total 200.7 / 6010)10 200.8 / 6020:	8RCR/	8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu	N Sb A	s Ba	Ве В	Cd Ca	Cr C	- 1	Fe Pb	Mg M	Pb Mg Mn Mo Ni K Se Ag SiO ₂ Na Sr Tl Sn U V	SiO ₂ N	Na Sr TI Sn U V Zn
Circle Method(s) ar	Circle Method(s) and Metal(s) to be analyzed												Hg: 16	Hg: 1631 / 245.1 / 7470 / 7471
Notice: Signature of this of service. Eurofins Xenc	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	mples constitutes a va	lid purchase order from client c assume any responsibility for a	ompany to	Eurofin or expen	s Xenco ses incu	its affiliat	es and su	bcontrac	tors. It as	signs st	andard terms and condition	0 s	
or Eurolins Aerico. A Illin	or Euronius Aeirco. A minimum charge or \$65.00 Will be applied to each project and a charge or \$5 for each sample submitted to Euronius Aeirco, but not analyzed. These terms with be enforced unless previously insignated.	ed to each project and	a charge of \$5 for each sample	Submineu	to Edio	IIIS AGII	ט, טער וויט	didiyze	i. Hiese i	elilla wiii	pe ellion	sed disposate by the party of t	ateu.	

Login Sample Receipt Checklist

Client: Earth Systems Response and Restoration

Job Number: 890-8480-1

SDG Number: Eddy County, NM

List Source: Eurofins Carlsbad

Login Number: 8480 List Number: 1

Creator: Lopez, Abraham

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

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Login Sample Receipt Checklist

Client: Earth Systems Response and Restoration

Job Number: 890-8480-1

SDG Number: Eddy County, NM

List Source: Eurofins Midland

List Creation: 07/22/25 08:28 AM

List Number: 2	2
Creator: Rios,	Minerva

Login Number: 8480

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

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Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 7/25/2025 10:29:52 AM

JOB DESCRIPTION

Nailed It B CTB Eddy County,NM

JOB NUMBER

890-8481-1

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

Brianna Tel

Generated 7/25/2025 10:29:52 AM

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

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

Laboratory Job ID: 890-8481-1 SDG: Eddy County,NM

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Definitions/Glossary

Client: Earth Systems Response and Restoration

Project/Site: Nailed It B CTB SDG: Eddy County,NM

Job ID: 890-8481-1

Qualifiers

GC VOA

U Indicates the analyte was analyzed for but not detected.

GC Semi VOA

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

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Job ID: 890-8481-1

Case Narrative

Client: Earth Systems Response and Restoration

Project: Nailed It B CTB

Job ID: 890-8481-1 Eurofins Carlsbad

Job Narrative 890-8481-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these
 situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise
 specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt

The samples were received on 7/21/2025 9:59 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was -4.6°C.

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: HA - 12 (890-8481-1) and HA - 12 (890-8481-2).

GC VOA

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

Diesel Range Organics

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

HPLC/IC

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

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Client Sample Results

Client: Earth Systems Response and Restoration

Project/Site: Nailed It B CTB

Client Sample ID: HA - 12

Date Collected: 07/18/25 14:30 Date Received: 07/21/25 09:59

Sample Depth: 0.5

SDG: Eddy County, NM

Lab Sample ID: 890-8481-1

07/22/25 08:41

07/25/25 01:02

Matrix: Solid

Job ID: 890-8481-1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		07/21/25 12:25	07/22/25 17:44	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/21/25 12:25	07/22/25 17:44	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/21/25 12:25	07/22/25 17:44	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		07/21/25 12:25	07/22/25 17:44	1
o-Xylene	< 0.00199	U	0.00199		mg/Kg		07/21/25 12:25	07/22/25 17:44	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/21/25 12:25	07/22/25 17:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130				07/21/25 12:25	07/22/25 17:44	1
1,4-Difluorobenzene (Surr)	90		70 - 130				07/21/25 12:25	07/22/25 17:44	1

Method: TAL SOP Total BTEX - Total BTEX Calculation Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac Total BTEX <0.00398 0.00398 mg/Kg 07/22/25 17:44

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 07/25/25 01:02 mg/Kg

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) Analyte Result Qualifier RL MDL Dil Fac Unit D Prepared Analyzed <50.0 U Gasoline Range Organics 50.0 mg/Kg 07/22/25 08:41 07/25/25 01:02 (GRO)-C6-C10 Diesel Range Organics (Over <50.0 U 50.0 mg/Kg 07/22/25 08:41 07/25/25 01:02 C10-C28) 50.0 Oil Range Organics (Over C28-C36) <50.0 U 07/22/25 08:41 07/25/25 01:02 mg/Kg Limits Prepared Dil Fac Surrogate %Recovery Qualifier Analyzed 70 - 130 07/22/25 08:41 07/25/25 01:02 1-Chlorooctane 125

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble Analyte Result Qualifier MDL Unit D Dil Fac RL Prepared Analyzed 10.1 Chloride 12.3 mg/Kg 07/22/25 22:47

70 - 130

Client Sample ID: HA - 12 Lab Sample ID: 890-8481-2

124

Date Collected: 07/18/25 14:35 Date Received: 07/21/25 09:59

Sample Depth: 2

o-Terphenyl

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		07/21/25 12:25	07/22/25 18:04	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/21/25 12:25	07/22/25 18:04	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/21/25 12:25	07/22/25 18:04	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		07/21/25 12:25	07/22/25 18:04	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		07/21/25 12:25	07/22/25 18:04	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/21/25 12:25	07/22/25 18:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)			70 - 130				07/21/25 12:25	07/22/25 18:04	1

Eurofins Carlsbad

Matrix: Solid

Client Sample Results

Client: Earth Systems Response and Restoration

Project/Site: Nailed It B CTB

SDG: Eddy County,NM

Client Sample ID: HA - 12

Date Collected: 07/18/25 14:35 Date Received: 07/21/25 09:59

Sample Depth: 2

Lab Samp	le ID:	890-848	1-2
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Job ID: 890-8481-1

Matrix: Solid

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	74		70 - 130	07/21/25 12:25	07/22/25 18:04	1

Method: TAL SOP	Total RTFX - Total	RTFX Calculation
Mictiliou. IAL OOI	TOTAL DIEX - TOTAL	DIEA Galcalation

Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398 U	0.00398	ma/Ka			07/22/25 18:04	1

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

Analyte	Result	Qualifier	RL	MDL (Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		ma/Ka			07/25/25 01:17	1

Method: SW846 80	115R NM - Diese	I Range Orga	nics (DRO) (GC)

Method. 544040 00 13D MM - Dies	sei italige Orga	יסאום) פטוווו	<i>)</i> (0 0)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/22/25 08:41	07/25/25 01:17	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/22/25 08:41	07/25/25 01:17	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/22/25 08:41	07/25/25 01:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	111	70 - 130	07/22/25 08:41	07/25/25 01:17	1
o-Terphenyl	111	70 - 130	07/22/25 08:41	07/25/25 01:17	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Chloride	11.5	10.1	mg/Kg		_	07/22/25 22:53	1

Surrogate Summary

Client: Earth Systems Response and Restoration

Job ID: 890-8481-1 Project/Site: Nailed It B CTB SDG: Eddy County,NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid Prep Type: Total/NA

		BFB1	DFBZ1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
890-8481-1	HA - 12	103	90
890-8481-2	HA - 12	101	74
LCS 880-114594/1-A	Lab Control Sample	109	99
LCSD 880-114594/2-A	Lab Control Sample Dup	107	99
MB 880-114594/5-A	Method Blank	87	93
Surrogate Legend			
BFB = 4-Bromofluoroben	zene (Surr)		
DFBZ = 1,4-Difluorobenz	ene (Surr)		

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

Matrix: Solid Prep Type: Total/NA

				Percent Surrogate Recovery (Acceptance Limits)
		1CO1	OTPH1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
890-8481-1	HA - 12	125	124	
390-8481-2	HA - 12	111	111	
LCS 880-114638/2-A	Lab Control Sample	105	113	
LCSD 880-114638/3-A	Lab Control Sample Dup	105	112	
MB 880-114638/1-A	Method Blank	101	99	

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: Earth Systems Response and Restoration

Job ID: 890-8481-1 Project/Site: Nailed It B CTB SDG: Eddy County, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-114594/5-A

Lab Sample ID: LCS 880-114594/1-A

Lab Sample ID: LCSD 880-114594/2-A

Matrix: Solid

Matrix: Solid

Matrix: Solid

Analysis Batch: 114648

Analysis Batch: 114648

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 114594

	IVID	IVID							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/21/25 12:25	07/22/25 11:14	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/21/25 12:25	07/22/25 11:14	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/21/25 12:25	07/22/25 11:14	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		07/21/25 12:25	07/22/25 11:14	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/21/25 12:25	07/22/25 11:14	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		07/21/25 12:25	07/22/25 11:14	1

MB MB

MD MD

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		70 - 130	07/21/25 12:	25 07/22/25 11:14	1
1,4-Difluorobenzene (Surr)	93		70 - 130	07/21/25 12:	25 07/22/25 11:14	1

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 114594

Analysis Batch: 114648 LCS LCS Spike %Rec Analyte Added Result Qualifier Unit %Rec Limits Benzene 0.100 0.08753 mg/Kg 88 70 - 130 Toluene 0.100 0.08970 mg/Kg 90 70 - 130 0.100 0.08655 87 Ethylbenzene mg/Kg 70 - 130 0.200 92 70 - 130 m-Xylene & p-Xylene 0.1841 mg/Kg 0.100 0.1010 70 - 130 o-Xylene mg/Kg 101

LCS LCS

Surrogate	%Recovery Qualifi	er Limits
4-Bromofluorobenzene (Surr)	109	70 - 130
1,4-Difluorobenzene (Surr)	99	70 - 130

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 114594

	Spike	LCSD	LCSD				%Rec		RPD	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Benzene	0.100	0.09168		mg/Kg		92	70 - 130	5	35	
Toluene	0.100	0.09046		mg/Kg		90	70 - 130	1	35	
Ethylbenzene	0.100	0.09604		mg/Kg		96	70 - 130	10	35	
m-Xylene & p-Xylene	0.200	0.2063		mg/Kg		103	70 - 130	11	35	
o-Xylene	0.100	0.08908		mg/Kg		89	70 - 130	13	35	

LCSD LCSD

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	107		70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

QC Sample Results

Client: Earth Systems Response and Restoration

Job ID: 890-8481-1 Project/Site: Nailed It B CTB SDG: Eddy County, NM

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

Lab Sample ID: MB 880-114638/1-A

Matrix: Solid

Analysis Batch: 114940

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 114638

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0		mg/Kg		07/22/25 08:11	07/24/25 21:50	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<50.0	U	50.0		mg/Kg		07/22/25 08:11	07/24/25 21:50	1
C10-C28)									
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/22/25 08:11	07/24/25 21:50	1
	МВ	MB							
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130				07/22/25 08:11	07/24/25 21:50	1

70 - 130

Lab Sample ID: LCS 880-114638/2-A

Matrix: Solid

o-Terphenyl

Analysis Batch: 114940

Client Sample ID: Lab Control Sample

07/24/25 21:50

07/22/25 08:11

Prep Type: Total/NA

Prep Batch: 114638

LCS LCS Spike %Rec Analyte Added Result Qualifier Unit D %Rec Limits 1000 1022 102 70 - 130 Gasoline Range Organics mg/Kg (GRO)-C6-C10 1000 106 Diesel Range Organics (Over 1058 mg/Kg 70 - 130C10-C28)

LCS LCS Qualifier Limits Surrogate %Recovery 1-Chlorooctane 105 70 - 130 o-Terphenyl 113 70 - 130

99

Lab Sample ID: LCSD 880-114638/3-A

Matrix: Solid

Analysis Batch: 114940

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA Prep Batch: 114638

LCSD LCSD Spike %Rec RPD Added Result Qualifier RPD Limit Analyte Unit D %Rec Limits Gasoline Range Organics 1000 1011 mg/Kg 101 70 - 130 20 (GRO)-C6-C10 Diesel Range Organics (Over 1000 1049 mg/Kg 105 70 - 130 20 C10-C28)

Limits

мв мв

LCSD LCSD Qualifier %Recovery Surrogate

70 - 130 1-Chlorooctane 105 112 70 - 130 o-Terphenyl

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-114731/1-A

Matrix: Solid

Analyte

Chloride

Analysis Batch: 114748

Client Sample ID: Method Blank

Prep Type: Soluble

Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac <10.0 U 10.0 07/22/25 21:22 mg/Kg

QC Sample Results

Client: Earth Systems Response and Restoration

Project/Site: Nailed It B CTB

Job ID: 890-8481-1 SDG: Eddy County, NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-114731/2-A **Client Sample ID: Lab Control Sample**

Matrix: Solid Prep Type: Soluble Analysis Batch: 114748

Spike LCS LCS %Rec Analyte Added Result Qualifier Unit %Rec Limits Chloride 250 248.3 mg/Kg 99 90 - 110

Lab Sample ID: LCSD 880-114731/3-A Client Sample ID: Lab Control Sample Dup

Matrix: Solid Prep Type: Soluble

Analysis Batch: 114748 Spike LCSD LCSD %Rec RPD

Added Result Qualifier RPD Limit Analyte Unit D %Rec Limits Chloride 250 247.7 mg/Kg 99 90 - 110 0 20

QC Association Summary

Client: Earth Systems Response and Restoration

Job ID: 890-8481-1 Project/Site: Nailed It B CTB SDG: Eddy County,NM

GC VOA

Prep Batch: 114594

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8481-1	HA - 12	Total/NA	Solid	5035	
890-8481-2	HA - 12	Total/NA	Solid	5035	
MB 880-114594/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-114594/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-114594/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 114648

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8481-1	HA - 12	Total/NA	Solid	8021B	114594
890-8481-2	HA - 12	Total/NA	Solid	8021B	114594
MB 880-114594/5-A	Method Blank	Total/NA	Solid	8021B	114594
LCS 880-114594/1-A	Lab Control Sample	Total/NA	Solid	8021B	114594
LCSD 880-114594/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	114594

Analysis Batch: 114833

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8481-1	HA - 12	Total/NA	Solid	Total BTEX	
890-8481-2	HA - 12	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 114638

_					
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8481-1	HA - 12	Total/NA	Solid	8015NM Prep	
890-8481-2	HA - 12	Total/NA	Solid	8015NM Prep	
MB 880-114638/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-114638/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-114638/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 114940

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8481-1	HA - 12	Total/NA	Solid	8015B NM	114638
890-8481-2	HA - 12	Total/NA	Solid	8015B NM	114638
MB 880-114638/1-A	Method Blank	Total/NA	Solid	8015B NM	114638
LCS 880-114638/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	114638
LCSD 880-114638/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	114638

Analysis Batch: 115024

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8481-1	HA - 12	Total/NA	Solid	8015 NM	
890-8481-2	HA - 12	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 114731

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8481-1	HA - 12	Soluble	Solid	DI Leach	
890-8481-2	HA - 12	Soluble	Solid	DI Leach	
MB 880-114731/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-114731/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-114731/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

QC Association Summary

Client: Earth Systems Response and Restoration

Job ID: 890-8481-1 Project/Site: Nailed It B CTB SDG: Eddy County,NM

HPLC/IC

Analysis Batch: 114748

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8481-1	HA - 12	Soluble	Solid	300.0	114731
890-8481-2	HA - 12	Soluble	Solid	300.0	114731
MB 880-114731/1-A	Method Blank	Soluble	Solid	300.0	114731
LCS 880-114731/2-A	Lab Control Sample	Soluble	Solid	300.0	114731
LCSD 880-114731/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	114731

Lab Chronicle

Client: Earth Systems Response and Restoration

Project/Site: Nailed It B CTB

Client Sample ID: HA - 12

Date Collected: 07/18/25 14:30

Date Received: 07/21/25 09:59

Lab Sample ID: 890-8481-1

Job ID: 890-8481-1

SDG: Eddy County, NM

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	114594	07/21/25 12:25	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	114648	07/22/25 17:44	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			114833	07/22/25 17:44	SA	EET MID
Total/NA	Analysis	8015 NM		1			115024	07/25/25 01:02	SA	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	114638	07/22/25 08:41	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	114940	07/25/25 01:02	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	114731	07/22/25 12:01	SI	EET MID
Soluble	Analysis	300.0		1			114748	07/22/25 22:47	CS	EET MID

Client Sample ID: HA - 12

Date Collected: 07/18/25 14:35

Date Received: 07/21/25 09:59

Lab Sample ID: 890-8481-2

Matrix: Solid

Dil Initial Final Batch Batch Batch Prepared Prep Type Туре Method Run Factor Amount Amount Number or Analyzed Analyst Lab 5035 Total/NA Prep 5.03 g 5 mL 114594 07/21/25 12:25 MNR EET MID Total/NA 8021B 5 mL 07/22/25 18:04 **EET MID** Analysis 1 5 mL 114648 MNR Total/NA Total BTEX 114833 07/22/25 18:04 Analysis 1 SA **EET MID** Total/NA Analysis 8015 NM 115024 07/25/25 01:17 SA **EET MID** Total/NA Prep 8015NM Prep 10.00 g 10 mL 114638 07/22/25 08:41 FΙ **EET MID** Total/NA Analysis 8015B NM 1 uL 1 uL 114940 07/25/25 01:17 TKC **EET MID** Soluble Leach DI Leach 4.97 g 50 mL 114731 07/22/25 12:01 SI **EET MID** Soluble Analysis 300.0 114748 07/22/25 22:53 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

Job ID: 890-8481-1 Project/Site: Nailed It B CTB SDG: Eddy County,NM

Laboratory: Eurofins Midland

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

Authority	Progra	am	Identification Number	Expiration Date
Texas	NELA	Р	T104704400	06-30-26
	are included in this report, but ses not offer certification.	it the laboratory is not certif	fied by the governing authority. This lis	t may include analytes
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 CTB

Job ID: 890-8481-1 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

Eurofins Carlsbad

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12

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Sample Summary

Client: Earth Systems Response and Restoration

Project/Site: Nailed It B CTB

Job ID: 890-8481-1 SDG: Eddy County,NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-8481-1	HA - 12	Solid	07/18/25 14:30	07/21/25 09:59	0.5
890-8481-2	HA - 12	Solid	07/18/25 14:35	07/21/25 09:59	2

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4

5

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10

12

13

114

Relinquished by: (Signature)

auren

Received by: (Signature)

53.4 Date/Time

O

Relinquished by: (Signature)

Received by: (Signature)

Date/Time

Revised Date: 08/25/2020 Rev. 2020.2

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Xenco	Environment
	Testing

Chain of Custody

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 Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300

Project Name: Project Number:	Nailed It B CTB 6798	B C7	8	T Routine	Turn Around		Pres. Code						ANAL	YSIS REQUEST	EQUE	TST	+
roject Number:	679	8		☑ Routine	Rush		Pres.						_	-	-	_	_
Project Location:	Eddy County, NM	inty, I	M	Due Date:	Routine TAT	AT											
Sampler's Name:	Santiago Giron	Giro	ם	TAT starts the	TAT starts the day received by the lab,	ne lab, if		I						Ī		Ī	
CC/WO #:				гесе	received by 4:30pm		rs						_				
SAMPLE RECEIPT	Temp Blank:	줐	(Yes No	Wet Ice:	No sal		nete						3 =		2	3	stody
Samples Received Intact:	(Yes No			er ID:	TWALORS		ran						g	890-6401 Citalition Castory	2	9	lotou,
Cooler Custody Seals:	Yes No	S	Correction Factor:	actor:	1.07		Pa						_	_	_	_	_
Sample Custody Seals:	Yes No (N	Temperature Reading	e Reading:	8h-										-	-	
Total Containers:			Corrected T	Corrected Temperature:	1.4				-NM	1		sh				_	+
Sample Identification		Matrix	Date Sampled	Time Sampled	Depth (feet)	Grab/ Comp	# of Cont	TPH -NM	Chloride-	BTEX-NN	Hold	24 Hr Rus					-
HA-12		S	7.18.25	14:30	0.5	Grab/	_	×	×	×				Н			
HA-12		S	7.18.25	14:35	2	Grab/	_	×	×	×						H	
														+	+	+-	+
														+	+	+	+
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Total 200.7 / 6010	200.8 / 6020:	9		8RCRA	8RCRA 13PPM Texas 11		dS	Al Sb As Ba	Be	ВСС	Ca	Ca Cr Co Cu	Cu Fe		Pb Mg Mn Mo	Mo	Ni K Se Ag
Circle Method(s) and Metal(s) to be analyzed	etal(s) to be a	nalyz	ed														
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	ent and relinquish	ıment c	f samples cor	stitutes a valid p	urchase order from	client co	mpany	to Euro	îns Xen	co, its a	filiates						

City, State ZIP: Address: Company Name: Project Manager:

Carlsbad, NM, 88220

City, State ZIP:

Reporting: Level II 🗌 Level III 🗎 PST/UST 📋 TRRP 📗

Level IV

State of Project:

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

Work Order Comments

Bill to: (if different) Company Name: Address:

Earth Systems

Earth Systems R&R Gilbert Moreno

1910 Resource Ct.

www.xenco.com

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Login Sample Receipt Checklist

Client: Earth Systems Response and Restoration

Job Number: 890-8481-1

SDG Number: Eddy County,NM

List Source: Eurofins Carlsbad

Login Number: 8481 List Number: 1

Creator: Bruns, Shannon

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	

Euronnis Carisbau

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Login Sample Receipt Checklist

Client: Earth Systems Response and Restoration

Job Number: 890-8481-1

SDG Number: Eddy County,NM

List Source: Eurofins Midland

List Creation: 07/22/25 08:29 AM

Login Number: 8481 List Number: 2 Creator: Rios, Minerva

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	False	

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<6mm (1/4").

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

General Information Phone: (505) 629-6116

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

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

CONDITIONS

Action 534562

CONDITIONS

Operator:	OGRID:
Civitas Permian Operating, LLC	332195
555 17th Street	Action Number:
Denver, CO 80202	534562
	Action Type:
	[IM-SD] Incident File Support Doc (ENV) (IM-BNF)

CONDITIONS

Created By	Condition	Condition Date
scwells	Your request for an alternative sampling plan is approved with the following conditions: Bottom confirmation samples may be collected at a frequency of no more than 400 ft2, while all sidewall samples will be required to be collected no more than every 200 ft2.	12/12/2025