

ABOVEGROUND SPILL AMOUNT CALCULATION FORMULA

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

HOW LONG (in FEET)	204
HOW WIDE (in FEET)	51
HOW THICK (in INCHES)	1

} Enter Spill Details Here

SPILL VOLUME IN BBLS **154.55**SPILL VOLUME IN GALS **6490.9**

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

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



August 27, 2025

New Mexico Oil Conservation Division

506 W. Texas Ave
Artesia, NM 88210

RE: **Nailed It A CTB - Deferral Request Report**

Incident Number: nAPP2518171474

GPS: 32.003155°, -103.828381°

Eddy County, New Mexico

Project No. VP-660

To Whom It May Concern:

Earth Systems Response and Restoration (ESRR) on behalf of Civitas Resources (Civitas), presents the following Deferral Request Report (DRR) to document the findings during a recent liner inspection in conjunction with soil sampling events conducted at Nailed It A CTB (Site) following an inadvertent release of produced water within a lined secondary containment (LSC). Based on analytical results from recent soil sampling activities, Civitas is requesting to defer residual impacted soil directly beneath the LSC and No Further Action (NFA) until the Site undergoes major deconstruction or plugging and abandonment (P&A), whichever comes first.

Site Location

The Site is located in Unit A, Section 36, Township 26 South, Range 30 East, in Eddy County, New Mexico (32.003155°, -103.828381°) and was reported by Civitas to be associated with oil and gas exploration and production operations on Private Land. Upon further review by ESRR, the Site is associated with oil and gas exploration and production operations on State Land managed by the New Mexico State Land Office (NMSLO) (**Figure 1**).

Incident Description & Background

On June 30, 2025, a release of approximately 150 barrels (bbls) of produced water and 5 bbls of crude oil occurred within a LSC (**Figure 2**). It was reported by Civitas that a vacuum truck was immediately dispatched to the Site recovering the 155 bbls of fluids.

Notice was given to the New Mexico Oil Conservation Division (NMOCD) on June 30, 2025, by Notification of Release (NOR) and subsequently assigned Incident Number nAPP2506224384. A Corrective Action Form C-141 (Form C-141) was submitted and approved by the NMOCD on July 1, 2025.

Civitas submitted a liner inspection notification (Form C-141L) which was approved by the NMOCD on July 8, 2025, for a July 11, 2025 inspection date.

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32.003155°, -103.828381°



Site Characterization

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

- Between 1 and 5 miles of any continuously flowing watercourse or any other significant watercourse;
- Between 1 and 5 miles of any sinkhole or playa lake (measured from the ordinary high-water mark);
- Greater than 5 miles of any occupied permanent residence, school, hospital, institution or church;
- Between 1 and 5 miles of any spring or a private, domestic fresh water well used by less than five households for domestic or stock watering purposes;
- Between 1 and 5 miles of any other freshwater well or spring;
- Greater than 5 miles of any incorporated municipal boundary or a defined municipal fresh water well field covered under a municipal ordinance;
- Between 500 and 1,000 feet of any wetland;
- Greater than 5 miles of any subsurface mine;
- Overlying an unstable area (i.e. critical/ high/ medium karst potential); and
- Between 1 and 5 miles of a 100-year floodplain.

Receptor details used to determine the Site characterization are included in **Figure 3** and **Figure 4**. **Referenced Well Records** for the closest depth to water well are attached.

Based on the results from the desktop review, the Site is designated with medium karst potential with no depth to water well within ½ mile of the Site with data no greater than 25 years. The following Closure Criteria was applied:

Constituents of Concern (COCs)	Closure Criteria [‡]
Chloride	600 milligram per kilogram (mg/kg)
Total Petroleum Hydrocarbon (TPH)	100 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

Liner Inspection

On July 11, 2025, ESRR conducted a thorough visual inspection of the LSC for tears, cracks, cuts, breaks, and other signs of damage, confirming the presence or absence of any evidence for a potential breach to the LSC. The LSC failed inspection and was considered to not be performing as designed due to cuts and tears observed (**Figure 2**). No fluids were observed to have escaped laterally to the pad surface or adjacent native soils. **Photographic Documentation** of liner inspection activities is attached.

Delineation Activities

On July 21, 2025, ESRR conducted delineation activities to assess the presence or absence of residual soil impacts associated with the AOC, directly beneath and surrounding the LSC. Nine delineation boreholes (HA-1 through HA-9) were advanced via hand auger. Delineation activities were driven by field screening soil for chloride utilizing QuanTab® test strips and for volatile organic compounds (VOCs) utilizing a calibrated photoionization detector (PID). A minimum of two soil samples were collected from each

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delineation borehole, representing the highest observed field screening concentrations and the greatest depth. Delineation soil samples were placed directly into pre-cleaned jars, packed with minimal void space, labeled, and placed on ice. The delineation soil samples were transported under strict chain-of-custody procedures, to Eurofins in Carlsbad, New Mexico, for analysis of the COCs. **Photographic Documentation** of delineation activities is attached.

Laboratory analytical results for delineation soil samples collected within and directly beneath the LSC as well as surrounding the AOC (HA-3 through HA-9) were compliant with Site Closure Criteria and/or the reclamation standard defining the horizontal periphery of the AOC.

Laboratory analytical results for delineation soil samples collected within the AOC and directly beneath the LSC (HA-1 and HA-2) indicated TPH-GRO+TPH-DRO+TPH-ORO and /or Chloride were above the Site Closure Criteria and/or the reclamation standard. Elevated TPH concentrations, specifically TPH-DRO, were characterized by concentrations ranging from 125 mg/kg to 291 mg/kg. Elevated Chloride concentrations were characterized by concentrations ranging from 766 mg/kg to 1,090 mg/kg. Laboratory results are summarized in **Table 1**, included in the attachments. The locations of all delineation soil samples are shown in **Figure 5**.

Deferral Request

Based on laboratory analytical results, residual soil impacts associated with the AOC appear to reside below the LSC up to 2 feet bgs directly in the vicinity of HA-1. During delineation soil sampling activities of HA-2, refusal was met via hand auger at 4 feet bgs before achieving vertical delineation. For this DRR, Civitas estimates residual chloride impacts to reside below the LSC up to 10 feet bgs directly in the vicinity of HA-2 until additional delineation can be achieved via mechanical equipment when the Site undergoes major facility deconstruction or P&A, whichever comes first. As a result, Civitas respectfully requests deferral of up to approximately 1,338 CY of residual soil impacted beneath the LSC and up to 10 feet bgs until the Site undergoes major facility deconstruction or P&A, whichever comes first.

Based on initial release response, Civitas believes the completed remedial actions meet the Deferral requirements set forth in NMAC regulations in order to be protective of human health, the environment, and groundwater. Civitas does not believe deferment will result in imminent risk to human health, the environment or groundwater. Therefore, NFA appears warranted at this time and Civitas requests the Site to be respectfully considered for Deferral by the NMOCD until the Site undergoes major deconstruction or P&A activities, whichever comes first. If you have any questions or comments, please do not hesitate to contact Gilbert Moreno at (832) 541-7719 or gmoreno@earthsys.net. NMOCD Documentation of correspondence are attached.

Sincerely,

EARTH SYSTEMS RESPONSE & RESTORATION

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

Gilbert Moreno
Carlsbad Operations Manager/ Project Geologist

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

Kris Williams, CHMM, REM
Principal

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32.003155°, -103.828381°



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

Attachments:

- Figure 1 - Site Map
- Figure 2 - Release Extent
- Figure 3 - Ground Water
- Figure 4 - Karst Potential
- Figure 5 - Delineation Soil Sample Locations
- Figure 6 - Deferral Extent
- Referenced Well Records
- Photographic Documentation
- Table 1 – Soil Sample Analytical Results
- NMOCD Documentation & Correspondence
- Executed Chain-of-Custody Forms and Laboratory Analytical Reports

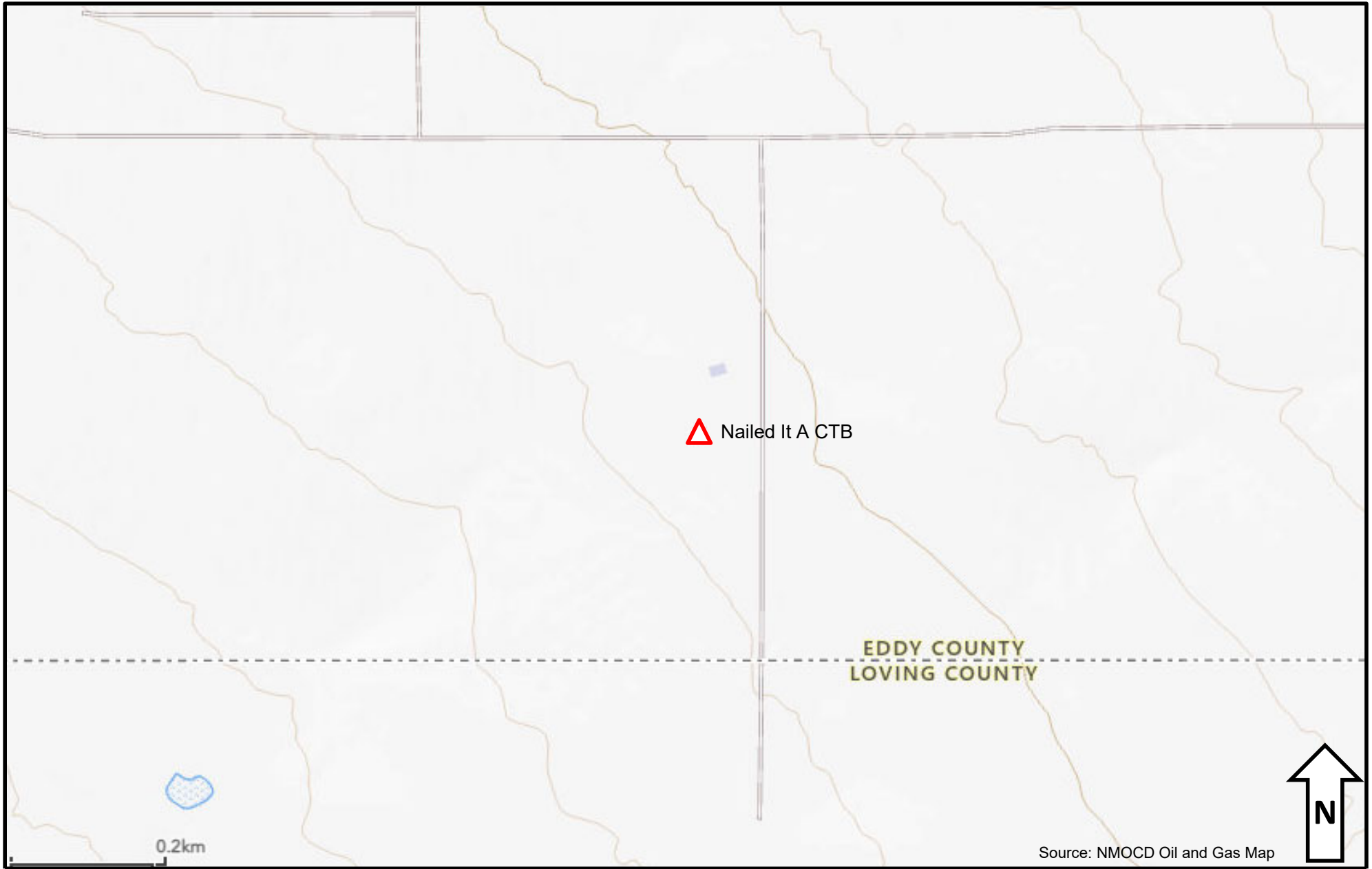


Figure 1 – Site Map

Civitas Resources – Nailed It A CTB
GPS: 32.002784, -103.828448
Eddy County, New Mexico



Figure 2 – Release Extent

Civitas Resources – Nailed It A CTB
GPS: 32.002784, -103.828448
Eddy County, New Mexico

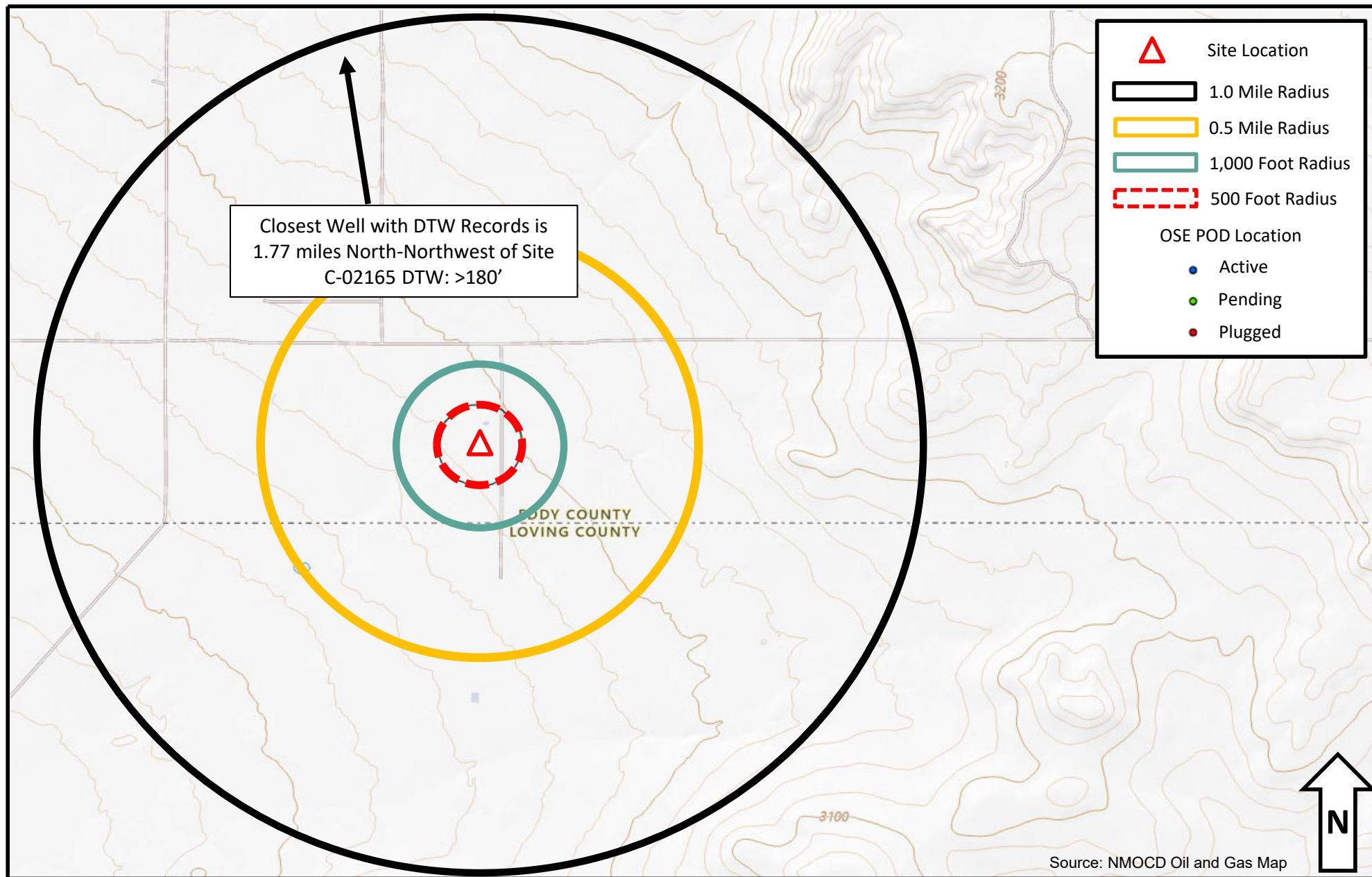


Figure 3 – Ground Water

Civitas Resources – Nailed It A CTB
GPS: 32.002784, -103.828448
Eddy County, New Mexico

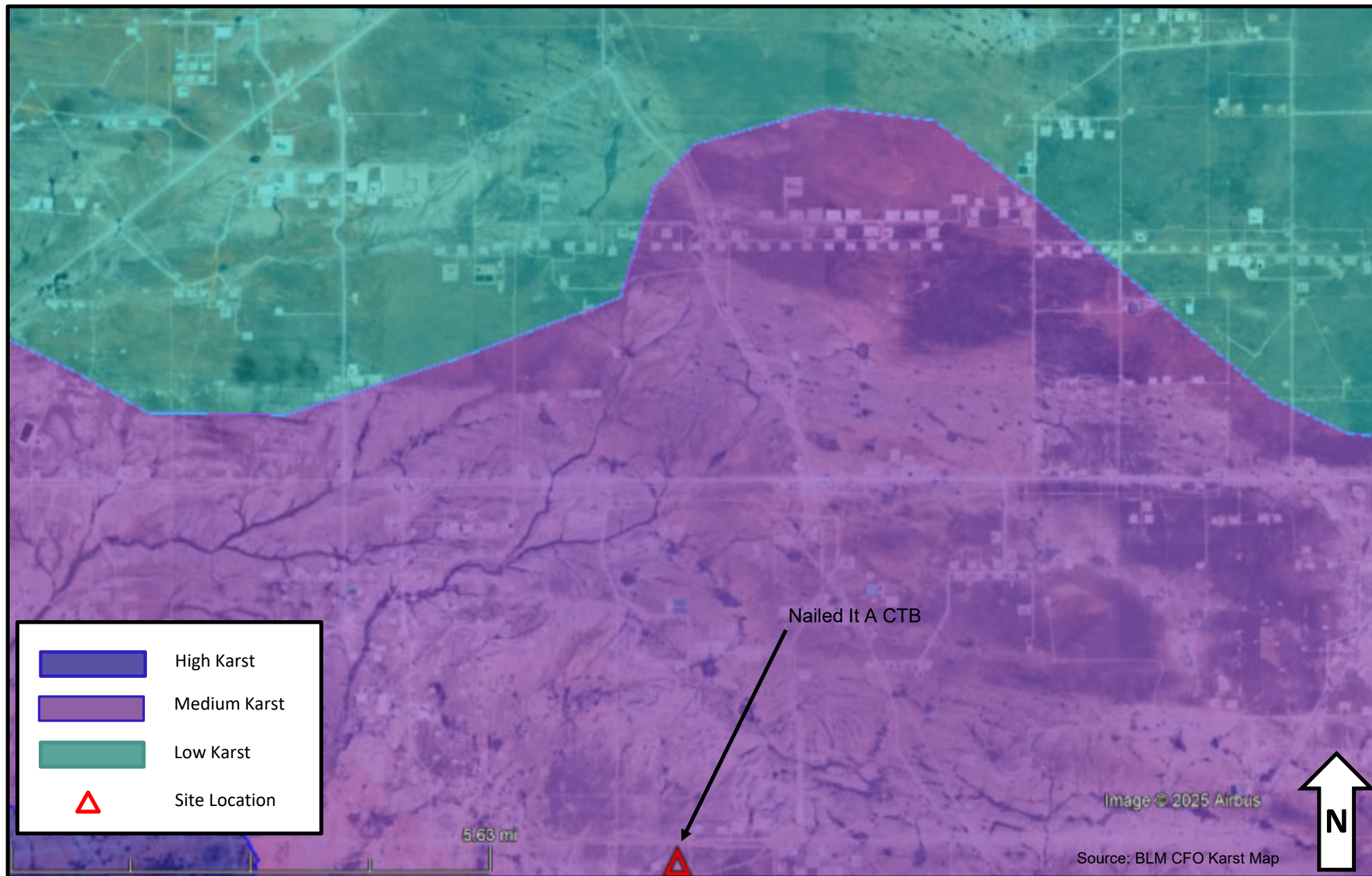


Figure 4– Karst Potential

Civitas Resources – Nailed It A CTB
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Figure 5 – Delineation Soil Sample Locations

Civitas Resources – Nailed It A CTB
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Eddy County, New Mexico



Figure 6 – Deferral Extent

Civitas Resources – Nailed It A CTB
GPS: 32.002784, -103.828448
Eddy County, New Mexico

Revised June 1972

STATE ENGINEER OFFICE
WELL RECORD

468923

Section 1. GENERAL INFORMATION

88 JUL 7 P1:12

(A) Owner of well Grace Oil Owner's Well No. _____
Street or Post Office Address c/o Glenn's Water Well Service, Inc.
City and State Box 692 Tatum, New Mexico 88267 STATE ENGINEER OFFICE
SANTA FE, NEW MEXICO

Well was drilled under Permit No. C-2165 and is located in the:
1780 FEL 460 FSL
a. _____ ¼ _____ ¼ _____ ¼ of Section 24 Township 26-S. Range 30-E. N.M.P.M.
b. Tract No. _____ of Map No. _____ of the _____
c. Lot No. _____ of Block No. _____ of the _____
Subdivision, recorded in _____ County.
d. X= _____ feet, Y= _____ feet, N.M. Coordinate System _____ Zone in
the _____ Grant.

(B) Drilling Contractor Glenn's Water Well Service, Inc. License No. WD 421
Address Box 692 Tatum, New Mexico 88267
Drilling Began 5/2/88 Completed 5/2/88 Type tools rotary Size of hole 97/8 in.
Elevation of land surface or _____ at well is _____ ft. Total depth of well 440 ft.
Completed well is ☒ shallow ☐ artesian. Depth to water upon completion of well 180 ft.

Section 2. PRINCIPAL WATER-BEARING STRATA

Depth in Feet		Thickness in Feet	Description of Water-Bearing Formation	Estimated Yield (gallons per minute)
From	To			
318	432	114	brown clay with sand	75
			stringers	

Section 3. RECORD OF CASING

Diameter (inches)	Pounds per foot	Threads per in.	Depth in Feet		Length (feet)	Type of Shoe	Perforations	
			Top	Bottom			From	To
6 5/8 X	.156				440		296	440

Section 4. RECORD OF MUDDING AND CEMENTING

Depth in Feet		Hole Diameter	Sacks of Mud	Cubic Feet of Cement	Method of Placement
From	To				

Section 5. PLUGGING RECORD

Plugging Contractor _____
Address _____
Plugging Method _____
Date Well Plugged _____
Plugging approved by: _____
State Engineer Representative

No.	Depth in Feet		Cubic Feet of Cement
	Top	Bottom	
1			
2			
3			
4			

FOR USE OF STATE ENGINEER ONLY

Date Received May 5, 1988 Quad _____ FWL _____ FSL _____
File No. C-2165 Use OWD Location No. 26-30-24-434141

Section 6. LOG OF HOLE

[illegible]

Section 7. REMARKS AND ADDITIONAL INFORMATION

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

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

Released to Imaging: 9/2/2025 3:49:03 PM

STATE SHAGNER
ROSNELL, AM

Nailed It A CTB - Deferral Request Report
Incident Number: nAPP2518171474
32.002784°, -103.828448°



PHOTO 1: Southwestern view outside of containment during liner inspection activities. 7/11/2025



PHOTO 2: Northwestern view outside of containment during liner inspection activities. 7/11/2025

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PHOTO 3: Northeastern view outside of containment during liner inspection activities. 7/11/2025

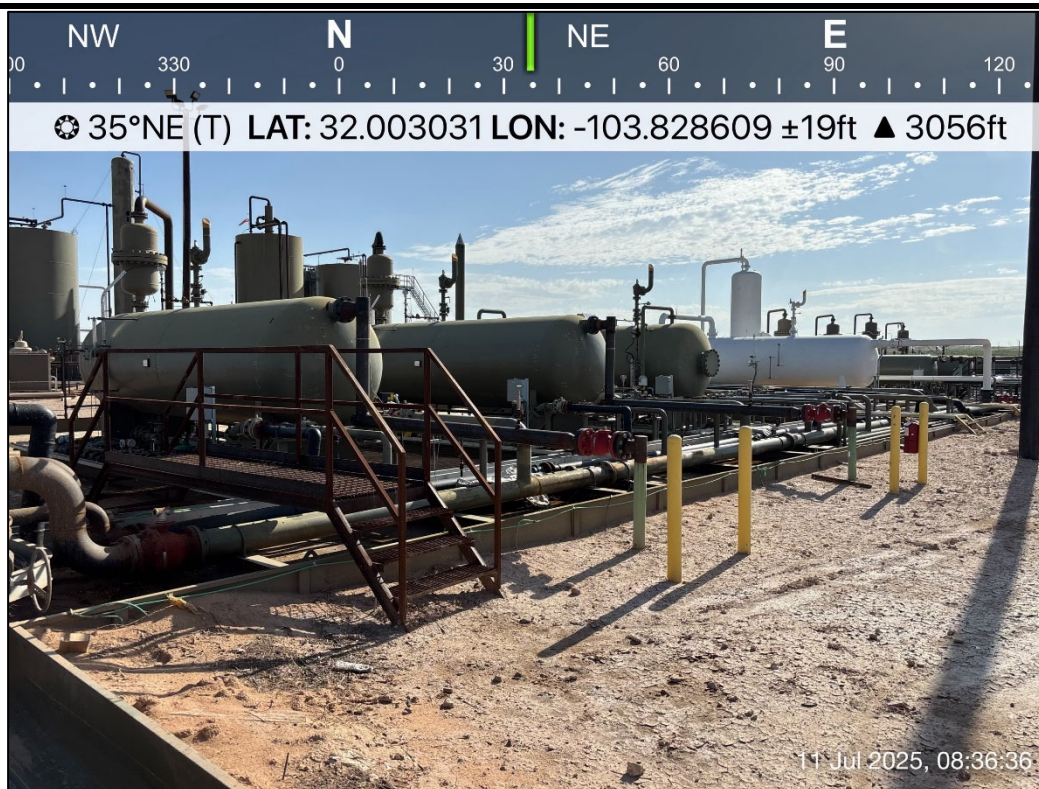


PHOTO 4: Northeastern view outside of containment during liner inspection activities. 7/11/2025

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PHOTO 5: Northwestern view outside of containment during liner inspection activities. 7/11/2025



PHOTO 6: Northeastern view outside of containment during liner inspection activities. 7/11/2025

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PHOTO 7: Southeastern view outside of containment during liner inspection activities. 7/11/2025



PHOTO 8: Southeastern view outside of containment during liner inspection activities. 7/11/2025

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PHOTO 9: Southeastern view outside of containment during liner inspection activities. 7/11/2025



PHOTO 10: Northeastern view during liner inspection activities. 7/11/2025

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PHOTO 11: Southeastern view during liner inspection activities. 7/11/2025



PHOTO 12: Northeastern view during liner inspection activities. 7/11/2025

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PHOTO 13: Northeastern view during liner inspection activities. 7/11/2025



PHOTO 14: Southern view during liner inspection activities. 7/11/2025

Nailed It A CTB - Deferral Request Report
Incident Number: nAPP2518171474
32.002784°, -103.828448°



PHOTO 15: Northeastern view during liner inspection activities. 7/11/2025



PHOTO 16: Northwestern view during liner inspection activities. 7/11/2025

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32.002784°, -103.828448°



PHOTO 17: Northeastern view during liner inspection activities. 7/11/2025



PHOTO 18: Southwestern view during liner inspection activities. 7/11/2025

Nailed It A CTB - Deferral Request Report
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32.002784°, -103.828448°



PHOTO 19: Northwestern view of failed liner integrity. 7/11/2025



PHOTO 20: Northwestern view of failed liner integrity. 7/11/2025

Nailed It A CTB - Deferral Request Report
Incident Number: nAPP2518171474
32.002784°, -103.828448°



PHOTO 21: Northwestern view of failed liner integrity. 7/11/2025



PHOTO 22: Northwestern view during delineation activities. 7/21/2025

Nailed It A CTB - Deferral Request Report
Incident Number: nAPP2518171474
32.002784°, -103.828448°



PHOTO 23: Northwestern view during delineation activities. 7/21/2025



PHOTO 24: Northeastern view during delineation activities. 7/21/2025

Nailed It A CTB - Deferral Request Report
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32.002784°, -103.828448°



PHOTO 27: Northern view during delineation activities. 7/21/2025



PHOTO 28: Northern view during delineation activities. 7/21/2025



Table 1
SOIL SAMPLE ANALYTICAL RESULTS
Nailed It A 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)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria for Soils Impacted by a Release (NMAC 19.15.29)			10	50	NE	NE	NE	100	600
Delineation Soil Samples - nAPP2518171474									
HA - 1	07/21/25	0.5	<0.00201	0.00766	<49.8	291	<49.8	291	766
HA - 1	07/21/25	1	<0.00199	0.00974	<50.0	125	<50.0	125	455
HA - 1	07/21/25	2	<0.00199	0.00398	<50.0	<50.0	<50.0	<50.0	28.3
HA - 1	07/21/25	3	<0.00201	<0.00402	<49.8	<49.8	<49.8	<49.8	49.2
HA - 1	07/21/25	4	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	22.5
HA - 2	07/21/25	0.5	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	1,060
HA - 2	07/21/25	1	<0.00199	<0.00398	<49.7	<49.7	<49.7	<49.7	894
HA - 2	07/21/25	2	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	880
HA - 2	07/21/25	3	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	1,090
HA - 2	07/21/25	4	<0.00200	<0.00401	<49.9	<49.9	<49.9	<49.9	1,010
HA - 3	07/21/25	0.5	<0.00200	<0.00399	<50.0	50.5	<50.0	50.5	257
HA - 3	07/21/25	2	<0.00201	<0.00402	<49.8	<49.8	<49.8	<49.8	11.3
HA - 3	07/21/25	4	<0.00200	<0.00401	<49.9	<49.9	<49.9	<49.9	<9.98
HA-4	07/21/25	0.5	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	<10.1
HA-5	07/21/25	0.5	<0.00201	<0.00402	<49.8	<49.8	<49.8	<49.8	109
HA-6	07/21/25	0.5	<0.00202	<0.00404	<49.9	<49.9	<49.9	<49.9	<9.98
HA-6	07/21/25	2	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<10.0
HA-6	07/21/25	4	<0.00200	<0.00399	<49.8	<49.8	<49.8	<49.8	<10.0



Table 1
SOIL SAMPLE ANALYTICAL RESULTS
Nailed It A 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)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria for Soils Impacted by a Release (NMAC 19.15.29)			10	50	NE	NE	NE	100	600
Delineation Soil Samples - nAPP2518171474									
HA-7	07/21/25	0.5	<0.00198	<0.00396	<49.8	<49.8	<49.8	<49.8	45.6
HA-7	07/21/25	2	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	<9.96
HA-7	07/21/25	4	<0.00201	<0.00402	<49.8	<49.8	<49.8	<49.8	<10.1
HA-8	07/21/25	0.5	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	22.9
HA-8	07/21/25	2	<0.00202	<0.00403	<50.0	<50.0	<50.0	<50.0	38.2
HA-8	07/21/25	4	<0.00199	<0.00398	<49.7	<49.7	<49.7	<49.7	41.0
HA-9	07/21/25	0.5	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	<9.98

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.

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS

Action 482836

QUESTIONS

Operator: Civitas Permian Operating, LLC 555 17th Street Denver, CO 80202	OGRID: 332195
	Action Number: 482836
	Action Type: [NOTIFY] Notification Of Liner Inspection (C-141L)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2518171474
Incident Name	NAPP2518171474 NAILED IT A CTB @ 0
Incident Type	Oil Release
Incident Status	Initial C-141 Approved
Incident Facility	[fAPP2126032207] NAILED IT CTB

Location of Release Source	
Site Name	NAILED IT A CTB
Date Release Discovered	06/30/2025
Surface Owner	Private

Liner Inspection Event Information	
<i>Please answer all the questions in this group.</i>	
What is the liner inspection surface area in square feet	11,452
Have all the impacted materials been removed from the liner	Yes
Liner inspection date pursuant to Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC	07/11/2025
Time liner inspection will commence	08:00 AM
Please provide any information necessary for observers to liner inspection	Liner inspection will occur on south side of pad where the separators are located. 32.003152, -103.828378
Please provide any information necessary for navigation to liner inspection site	From the intersection on Orla Road or J-1 and State Line Road (32.005934, -103.715731) drive west on State Line Road for 6.56 miles, turn left. Continue south on caliche lease road for 0.22 miles, turn right. Continue west on caliche pad for 0.03 miles and arrive onsite.

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

General Information
Phone: (505) 629-6116

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

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

CONDITIONS

Action 482836

CONDITIONS

Operator: Civitas Permian Operating, LLC 555 17th Street Denver, CO 80202	OGRID: 332195
	Action Number: 482836
	Action Type: [NOTIFY] Notification Of Liner Inspection (C-141L)

CONDITIONS

Created By	Condition	Condition Date
mjones01	Failure to notify the OCD of liner inspections including any changes in date/time per the requirements of 19.15.29.11.A(5)(a)(ii) NMAC, may result in the inspection not being accepted.	7/8/2025

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS

Action 485401

QUESTIONS

Operator: Civitas Permian Operating, LLC 555 17th Street Denver, CO 80202	OGRID: 332195
	Action Number: 485401
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2518171474
Incident Name	NAPP2518171474 NAILED IT A CTB @ 0
Incident Type	Oil Release
Incident Status	Initial C-141 Approved
Incident Facility	[fAPP2126032207] NAILED IT CTB

Location of Release Source	
Site Name	NAILED IT A CTB
Date Release Discovered	06/30/2025
Surface Owner	Private

Sampling Event General Information	
<i>Please answer all the questions in this group.</i>	
What is the sampling surface area in square feet	11,452
What is the estimated number of samples that will be gathered	30
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	07/21/2025
Time sampling will commence	08:00 AM
Please provide any information necessary for observers to contact samplers	Sampling will be taking place on the south side of the pad inside lined containment and surrounding the lined containment of the separators. (32.003155, -103.828370)
Please provide any information necessary for navigation to sampling site	From the intersection of J-1 and State Line Road (32.006065, -103.718819) drive west on state line road for 6.57 miles, turn left. Continue south on the caliche lease road for 0.21 miles, turn right. Continue west on the caliche pad for 0.02 miles and arrive onsite

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

General Information
Phone: (505) 629-6116

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

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

CONDITIONS

Action 485401

CONDITIONS

Operator: Civitas Permian Operating, LLC 555 17th Street Denver, CO 80202	OGRID: 332195
	Action Number: 485401
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
mjones01	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	7/16/2025
mjones01	If confirmation sampling is going to take place over multiple days, individual C-141N applications must be submitted for each sampling date. Date ranges are not currently accepted on the C-141N application.	7/16/2025



Environment Testing

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- 2
- 3
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ANALYTICAL REPORT

PREPARED FOR

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

Generated 7/28/2025 9:49:31 AM

JOB DESCRIPTION

Nailed It A CTB
Eddy County, NM

JOB NUMBER

890-8486-1

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1089 N Canal St.
Carlsbad NM 88220

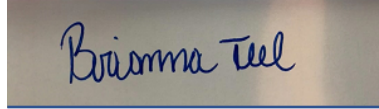
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Job Notes

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

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

Authorization



Generated
7/28/2025 9:49:31 AM

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

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

Laboratory Job ID: 890-8486-1
SDG: Eddy County, NM

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Definitions/Glossary

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

Job ID: 890-8486-1
SDG: Eddy County, NM

Qualifiers

GC VOA

Qualifier	Qualifier Description
*1	LCS/LCSD RPD exceeds control limits.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: Earth Systems Response and Restoration
Project: Nailed It A CTB

Job ID: 890-8486-1

Job ID: 890-8486-1

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Job Narrative 890-8486-1

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 3:20 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 0.0°C.

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: HA - 1 (890-8486-1), HA - 1 (890-8486-2), HA - 1 (890-8486-3), HA - 1 (890-8486-4) and HA - 1 (890-8486-5).

GC VOA

Method 8021B: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 880-114667 and analytical batch 880-114785 recovered outside control limits for the following analytes: Ethylbenzene.

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

Diesel Range Organics

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (LCS 880-114642/2-A) and (LCSD 880-114643/3-A). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: HA - 1 (890-8486-3) and HA - 1 (890-8486-5). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (LCSD 880-114642/3-A) and (890-8486-A-3-C MS). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (890-8486-A-3-D MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

HPLC/IC

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

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Client Sample Results

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

Job ID: 890-8486-1
SDG: Eddy County, NM

Client Sample ID: HA - 1

Lab Sample ID: 890-8486-1

Date Collected: 07/21/25 12:00

Matrix: Solid

Date Received: 07/21/25 15:20

Sample Depth: 0.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		07/22/25 08:48	07/23/25 16:13	1
Toluene	<0.00201	U	0.00201		mg/Kg		07/22/25 08:48	07/23/25 16:13	1
Ethylbenzene	0.00238	*1	0.00201		mg/Kg		07/22/25 08:48	07/23/25 16:13	1
m-Xylene & p-Xylene	0.00528		0.00402		mg/Kg		07/22/25 08:48	07/23/25 16:13	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		07/22/25 08:48	07/23/25 16:13	1
Xylenes, Total	0.00528		0.00402		mg/Kg		07/22/25 08:48	07/23/25 16:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130	07/22/25 08:48	07/23/25 16:13	1
1,4-Difluorobenzene (Surr)	91		70 - 130	07/22/25 08:48	07/23/25 16:13	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00766		0.00402		mg/Kg			07/23/25 16:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	291		49.8		mg/Kg			07/25/25 23:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		07/22/25 08:47	07/25/25 23:12	1
Diesel Range Organics (Over C10-C28)	291		49.8		mg/Kg		07/22/25 08:47	07/25/25 23:12	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		07/22/25 08:47	07/25/25 23:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	113		70 - 130	07/22/25 08:47	07/25/25 23:12	1
o-Terphenyl	123		70 - 130	07/22/25 08:47	07/25/25 23:12	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	766		50.1		mg/Kg			07/23/25 23:04	5

Client Sample ID: HA - 1

Lab Sample ID: 890-8486-2

Date Collected: 07/21/25 12:05

Matrix: Solid

Date Received: 07/21/25 15:20

Sample Depth: 1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		07/22/25 08:48	07/23/25 16:34	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/22/25 08:48	07/23/25 16:34	1
Ethylbenzene	<0.00199	U *1	0.00199		mg/Kg		07/22/25 08:48	07/23/25 16:34	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		07/22/25 08:48	07/23/25 16:34	1
o-Xylene	0.00974		0.00199		mg/Kg		07/22/25 08:48	07/23/25 16:34	1
Xylenes, Total	0.00974		0.00398		mg/Kg		07/22/25 08:48	07/23/25 16:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130	07/22/25 08:48	07/23/25 16:34	1

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Client Sample Results

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

Job ID: 890-8486-1
SDG: Eddy County, NM

Client Sample ID: HA - 1

Lab Sample ID: 890-8486-2

Date Collected: 07/21/25 12:05

Matrix: Solid

Date Received: 07/21/25 15:20

Sample Depth: 1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	100		70 - 130	07/22/25 08:48	07/23/25 16:34	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00974		0.00398		mg/Kg			07/23/25 16:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	125		50.0		mg/Kg			07/25/25 23:27	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 08:47	07/25/25 23:27	1
Diesel Range Organics (Over C10-C28)	125		50.0		mg/Kg		07/22/25 08:47	07/25/25 23:27	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/22/25 08:47	07/25/25 23:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	114		70 - 130				07/22/25 08:47	07/25/25 23:27	1
o-Terphenyl	122		70 - 130				07/22/25 08:47	07/25/25 23:27	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	455		49.6		mg/Kg			07/23/25 23:27	5

Client Sample ID: HA - 1

Lab Sample ID: 890-8486-3

Date Collected: 07/21/25 12:10

Matrix: Solid

Date Received: 07/21/25 15:20

Sample Depth: 2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		07/22/25 08:48	07/23/25 16:54	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/22/25 08:48	07/23/25 16:54	1
Ethylbenzene	<0.00199	U *1	0.00199		mg/Kg		07/22/25 08:48	07/23/25 16:54	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		07/22/25 08:48	07/23/25 16:54	1
o-Xylene	0.00398		0.00199		mg/Kg		07/22/25 08:48	07/23/25 16:54	1
Xylenes, Total	0.00398		0.00398		mg/Kg		07/22/25 08:48	07/23/25 16:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		70 - 130	07/22/25 08:48	07/23/25 16:54	1
1,4-Difluorobenzene (Surr)	94		70 - 130	07/22/25 08:48	07/23/25 16:54	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			07/23/25 16:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			07/26/25 01:29	1

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Client Sample Results

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

Job ID: 890-8486-1
SDG: Eddy County, NM

Client Sample ID: HA - 1

Lab Sample ID: 890-8486-3

Date Collected: 07/21/25 12:10

Matrix: Solid

Date Received: 07/21/25 15:20

Sample Depth: 2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/22/25 08:49	07/26/25 01:29	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/22/25 08:49	07/26/25 01:29	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/22/25 08:49	07/26/25 01:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	126		70 - 130				07/22/25 08:49	07/26/25 01:29	1
o-Terphenyl	134	S1+	70 - 130				07/22/25 08:49	07/26/25 01:29	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	28.3		9.94		mg/Kg			07/23/25 23:35	1

Client Sample ID: HA - 1

Lab Sample ID: 890-8486-4

Date Collected: 07/21/25 12:15

Matrix: Solid

Date Received: 07/21/25 15:20

Sample Depth: 3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		07/22/25 08:48	07/23/25 17:15	1
Toluene	<0.00201	U	0.00201		mg/Kg		07/22/25 08:48	07/23/25 17:15	1
Ethylbenzene	<0.00201	U *1	0.00201		mg/Kg		07/22/25 08:48	07/23/25 17:15	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		07/22/25 08:48	07/23/25 17:15	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		07/22/25 08:48	07/23/25 17:15	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		07/22/25 08:48	07/23/25 17:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130				07/22/25 08:48	07/23/25 17:15	1
1,4-Difluorobenzene (Surr)	83		70 - 130				07/22/25 08:48	07/23/25 17:15	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			07/23/25 17:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			07/26/25 02:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		07/22/25 08:49	07/26/25 02:14	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		07/22/25 08:49	07/26/25 02:14	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		07/22/25 08:49	07/26/25 02:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	124		70 - 130				07/22/25 08:49	07/26/25 02:14	1
o-Terphenyl	130		70 - 130				07/22/25 08:49	07/26/25 02:14	1

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Client Sample Results

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

Job ID: 890-8486-1
SDG: Eddy County, NM

Client Sample ID: HA - 1

Lab Sample ID: 890-8486-4

Date Collected: 07/21/25 12:15

Matrix: Solid

Date Received: 07/21/25 15:20

Sample Depth: 3

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	49.2		9.98		mg/Kg			07/23/25 23:42	1

Client Sample ID: HA - 1

Lab Sample ID: 890-8486-5

Date Collected: 07/21/25 12:20

Matrix: Solid

Date Received: 07/21/25 15:20

Sample Depth: 4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/22/25 08:48	07/23/25 17:35	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/22/25 08:48	07/23/25 17:35	1
Ethylbenzene	<0.00200	U *1	0.00200		mg/Kg		07/22/25 08:48	07/23/25 17:35	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		07/22/25 08:48	07/23/25 17:35	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/22/25 08:48	07/23/25 17:35	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		07/22/25 08:48	07/23/25 17:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130				07/22/25 08:48	07/23/25 17:35	1
1,4-Difluorobenzene (Surr)	88		70 - 130				07/22/25 08:48	07/23/25 17:35	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			07/23/25 17:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			07/26/25 02:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		07/22/25 08:49	07/26/25 02:29	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/22/25 08:49	07/26/25 02:29	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/22/25 08:49	07/26/25 02:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	126		70 - 130				07/22/25 08:49	07/26/25 02:29	1
o-Terphenyl	132	S1+	70 - 130				07/22/25 08:49	07/26/25 02:29	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	22.5		9.96		mg/Kg			07/23/25 23:50	1

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Surrogate Summary

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

Job ID: 890-8486-1
SDG: Eddy County, NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
890-8486-1	HA - 1	111	91
890-8486-2	HA - 1	97	100
890-8486-3	HA - 1	90	94
890-8486-4	HA - 1	96	83
890-8486-5	HA - 1	102	88
LCS 880-114667/1-A	Lab Control Sample	115	96
LCSD 880-114667/2-A	Lab Control Sample Dup	110	96
MB 880-114667/5-A	Method Blank	85	93
Surrogate Legend			
BFB = 4-Bromofluorobenzene (Surr)			
DFBZ = 1,4-Difluorobenzene (Surr)			

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
890-8486-1	HA - 1	113	123
890-8486-2	HA - 1	114	122
890-8486-3	HA - 1	126	134 S1+
890-8486-3 MS	HA - 1	132 S1+	133 S1+
890-8486-3 MSD	HA - 1	133 S1+	129
890-8486-4	HA - 1	124	130
890-8486-5	HA - 1	126	132 S1+
LCS 880-114642/2-A	Lab Control Sample	130	134 S1+
LCS 880-114643/2-A	Lab Control Sample	126	128
LCSD 880-114642/3-A	Lab Control Sample Dup	134 S1+	139 S1+
LCSD 880-114643/3-A	Lab Control Sample Dup	130	132 S1+
MB 880-114642/1-A	Method Blank	100	106
MB 880-114643/1-A	Method Blank	110	117
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

QC Sample Results

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

Job ID: 890-8486-1
SDG: Eddy County, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-114667/5-A

Matrix: Solid

Analysis Batch: 114785

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 114667

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/22/25 08:48	07/23/25 11:22	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/22/25 08:48	07/23/25 11:22	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/22/25 08:48	07/23/25 11:22	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		07/22/25 08:48	07/23/25 11:22	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/22/25 08:48	07/23/25 11:22	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		07/22/25 08:48	07/23/25 11:22	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	85		70 - 130	07/22/25 08:48	07/23/25 11:22	1
1,4-Difluorobenzene (Surr)	93		70 - 130	07/22/25 08:48	07/23/25 11:22	1

Lab Sample ID: LCS 880-114667/1-A

Matrix: Solid

Analysis Batch: 114785

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 114667

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.07842		mg/Kg		78	70 - 130
Toluene	0.100	0.07991		mg/Kg		80	70 - 130
Ethylbenzene	0.100	0.07383		mg/Kg		74	70 - 130
m-Xylene & p-Xylene	0.200	0.1716		mg/Kg		86	70 - 130
o-Xylene	0.100	0.1006		mg/Kg		101	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	115		70 - 130
1,4-Difluorobenzene (Surr)	96		70 - 130

Lab Sample ID: LCSD 880-114667/2-A

Matrix: Solid

Analysis Batch: 114785

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 114667

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.08685		mg/Kg		87	70 - 130	10	35
Toluene	0.100	0.08902		mg/Kg		89	70 - 130	11	35
Ethylbenzene	0.100	0.1062	*1	mg/Kg		106	70 - 130	36	35
m-Xylene & p-Xylene	0.200	0.2210		mg/Kg		110	70 - 130	25	35
o-Xylene	0.100	0.1030		mg/Kg		103	70 - 130	2	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	110		70 - 130
1,4-Difluorobenzene (Surr)	96		70 - 130

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QC Sample Results

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

Job ID: 890-8486-1
SDG: Eddy County, NM

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

Lab Sample ID: MB 880-114642/1-A

Matrix: Solid

Analysis Batch: 115015

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 114642

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/22/25 08:13	07/25/25 17:00	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/22/25 08:13	07/25/25 17:00	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/22/25 08:13	07/25/25 17:00	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 130				07/22/25 08:13	07/25/25 17:00	1
o-Terphenyl	106		70 - 130				07/22/25 08:13	07/25/25 17:00	1

Lab Sample ID: LCS 880-114642/2-A

Matrix: Solid

Analysis Batch: 115015

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 114642

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1091		mg/Kg		109	70 - 130
Diesel Range Organics (Over C10-C28)	1000	982.8		mg/Kg		98	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
1-Chlorooctane	130		70 - 130				
o-Terphenyl	134	S1+	70 - 130				

Lab Sample ID: LCSD 880-114642/3-A

Matrix: Solid

Analysis Batch: 115015

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 114642

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1116		mg/Kg		112	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	1000	973.0		mg/Kg		97	70 - 130	1	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane	134	S1+	70 - 130						
o-Terphenyl	139	S1+	70 - 130						

Lab Sample ID: MB 880-114643/1-A

Matrix: Solid

Analysis Batch: 115015

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 114643

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/22/25 08:13	07/26/25 00:44	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/22/25 08:13	07/26/25 00:44	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/22/25 08:13	07/26/25 00:44	1

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QC Sample Results

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

Job ID: 890-8486-1
SDG: Eddy County, NM

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

Lab Sample ID: MB 880-114643/1-A

Matrix: Solid

Analysis Batch: 115015

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 114643

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	110		70 - 130	07/22/25 08:13	07/26/25 00:44	1
o-Terphenyl	117		70 - 130	07/22/25 08:13	07/26/25 00:44	1

Lab Sample ID: LCS 880-114643/2-A

Matrix: Solid

Analysis Batch: 115015

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 114643

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1042		mg/Kg		104	70 - 130
Diesel Range Organics (Over C10-C28)	1000	921.8		mg/Kg		92	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	126		70 - 130
o-Terphenyl	128		70 - 130

Lab Sample ID: LCSD 880-114643/3-A

Matrix: Solid

Analysis Batch: 115015

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 114643

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1082		mg/Kg		108	70 - 130	4	20
Diesel Range Organics (Over C10-C28)	1000	950.0		mg/Kg		95	70 - 130	3	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	130		70 - 130
o-Terphenyl	132	S1+	70 - 130

Lab Sample ID: 890-8486-3 MS

Matrix: Solid

Analysis Batch: 115015

Client Sample ID: HA - 1

Prep Type: Total/NA

Prep Batch: 114643

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	999	967.6		mg/Kg		97	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U	999	842.2		mg/Kg		84	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	132	S1+	70 - 130
o-Terphenyl	133	S1+	70 - 130

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QC Sample Results

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

Job ID: 890-8486-1
SDG: Eddy County, NM

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

Lab Sample ID: 890-8486-3 MSD

Matrix: Solid

Analysis Batch: 115015

Client Sample ID: HA - 1

Prep Type: Total/NA

Prep Batch: 114643

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	999	941.4		mg/Kg		94	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	<50.0	U	999	786.8		mg/Kg		79	70 - 130	7	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	133	S1+	70 - 130								
o-Terphenyl	129		70 - 130								

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-114801/1-A

Matrix: Solid

Analysis Batch: 114839

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			07/23/25 22:41	1

Lab Sample ID: LCS 880-114801/2-A

Matrix: Solid

Analysis Batch: 114839

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	230.3		mg/Kg		92	90 - 110

Lab Sample ID: LCSD 880-114801/3-A

Matrix: Solid

Analysis Batch: 114839

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	232.1		mg/Kg		93	90 - 110	1	20

Lab Sample ID: 890-8486-1 MS

Matrix: Solid

Analysis Batch: 114839

Client Sample ID: HA - 1

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	766		1250	2132		mg/Kg		109	90 - 110

Lab Sample ID: 890-8486-1 MSD

Matrix: Solid

Analysis Batch: 114839

Client Sample ID: HA - 1

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	766		1250	2128		mg/Kg		109	90 - 110	0	20

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QC Association Summary

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

Job ID: 890-8486-1
SDG: Eddy County, NM

GC VOA

Prep Batch: 114667

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8486-1	HA - 1	Total/NA	Solid	5035	
890-8486-2	HA - 1	Total/NA	Solid	5035	
890-8486-3	HA - 1	Total/NA	Solid	5035	
890-8486-4	HA - 1	Total/NA	Solid	5035	
890-8486-5	HA - 1	Total/NA	Solid	5035	
MB 880-114667/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-114667/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-114667/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 114785

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8486-1	HA - 1	Total/NA	Solid	8021B	114667
890-8486-2	HA - 1	Total/NA	Solid	8021B	114667
890-8486-3	HA - 1	Total/NA	Solid	8021B	114667
890-8486-4	HA - 1	Total/NA	Solid	8021B	114667
890-8486-5	HA - 1	Total/NA	Solid	8021B	114667
MB 880-114667/5-A	Method Blank	Total/NA	Solid	8021B	114667
LCS 880-114667/1-A	Lab Control Sample	Total/NA	Solid	8021B	114667
LCSD 880-114667/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	114667

Analysis Batch: 114889

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8486-1	HA - 1	Total/NA	Solid	Total BTEX	
890-8486-2	HA - 1	Total/NA	Solid	Total BTEX	
890-8486-3	HA - 1	Total/NA	Solid	Total BTEX	
890-8486-4	HA - 1	Total/NA	Solid	Total BTEX	
890-8486-5	HA - 1	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 114642

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8486-1	HA - 1	Total/NA	Solid	8015NM Prep	
890-8486-2	HA - 1	Total/NA	Solid	8015NM Prep	
MB 880-114642/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-114642/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-114642/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Prep Batch: 114643

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8486-3	HA - 1	Total/NA	Solid	8015NM Prep	
890-8486-4	HA - 1	Total/NA	Solid	8015NM Prep	
890-8486-5	HA - 1	Total/NA	Solid	8015NM Prep	
MB 880-114643/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-114643/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-114643/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-8486-3 MS	HA - 1	Total/NA	Solid	8015NM Prep	
890-8486-3 MSD	HA - 1	Total/NA	Solid	8015NM Prep	

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QC Association Summary

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

Job ID: 890-8486-1
SDG: Eddy County, NM

GC Semi VOA

Analysis Batch: 115015

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8486-1	HA - 1	Total/NA	Solid	8015B NM	114642
890-8486-2	HA - 1	Total/NA	Solid	8015B NM	114642
890-8486-3	HA - 1	Total/NA	Solid	8015B NM	114643
890-8486-4	HA - 1	Total/NA	Solid	8015B NM	114643
890-8486-5	HA - 1	Total/NA	Solid	8015B NM	114643
MB 880-114642/1-A	Method Blank	Total/NA	Solid	8015B NM	114642
MB 880-114643/1-A	Method Blank	Total/NA	Solid	8015B NM	114643
LCS 880-114642/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	114642
LCS 880-114643/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	114643
LCSD 880-114642/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	114642
LCSD 880-114643/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	114643
890-8486-3 MS	HA - 1	Total/NA	Solid	8015B NM	114643
890-8486-3 MSD	HA - 1	Total/NA	Solid	8015B NM	114643

Analysis Batch: 115113

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8486-1	HA - 1	Total/NA	Solid	8015 NM	
890-8486-2	HA - 1	Total/NA	Solid	8015 NM	
890-8486-3	HA - 1	Total/NA	Solid	8015 NM	
890-8486-4	HA - 1	Total/NA	Solid	8015 NM	
890-8486-5	HA - 1	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 114801

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8486-1	HA - 1	Soluble	Solid	DI Leach	
890-8486-2	HA - 1	Soluble	Solid	DI Leach	
890-8486-3	HA - 1	Soluble	Solid	DI Leach	
890-8486-4	HA - 1	Soluble	Solid	DI Leach	
890-8486-5	HA - 1	Soluble	Solid	DI Leach	
MB 880-114801/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-114801/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-114801/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-8486-1 MS	HA - 1	Soluble	Solid	DI Leach	
890-8486-1 MSD	HA - 1	Soluble	Solid	DI Leach	

Analysis Batch: 114839

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8486-1	HA - 1	Soluble	Solid	300.0	114801
890-8486-2	HA - 1	Soluble	Solid	300.0	114801
890-8486-3	HA - 1	Soluble	Solid	300.0	114801
890-8486-4	HA - 1	Soluble	Solid	300.0	114801
890-8486-5	HA - 1	Soluble	Solid	300.0	114801
MB 880-114801/1-A	Method Blank	Soluble	Solid	300.0	114801
LCS 880-114801/2-A	Lab Control Sample	Soluble	Solid	300.0	114801
LCSD 880-114801/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	114801
890-8486-1 MS	HA - 1	Soluble	Solid	300.0	114801
890-8486-1 MSD	HA - 1	Soluble	Solid	300.0	114801

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Lab Chronicle

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

Job ID: 890-8486-1
SDG: Eddy County, NM

Client Sample ID: HA - 1

Lab Sample ID: 890-8486-1

Date Collected: 07/21/25 12:00

Matrix: Solid

Date Received: 07/21/25 15:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	114667	07/22/25 08:48	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	114785	07/23/25 16:13	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			114889	07/23/25 16:13	SA	EET MID
Total/NA	Analysis	8015 NM		1			115113	07/25/25 23:12	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	114642	07/22/25 08:47	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	115015	07/25/25 23:12	TKC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	114801	07/23/25 10:08	SA	EET MID
Soluble	Analysis	300.0		5			114839	07/23/25 23:04	CS	EET MID

Client Sample ID: HA - 1

Lab Sample ID: 890-8486-2

Date Collected: 07/21/25 12:05

Matrix: Solid

Date Received: 07/21/25 15:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	114667	07/22/25 08:48	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	114785	07/23/25 16:34	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			114889	07/23/25 16:34	SA	EET MID
Total/NA	Analysis	8015 NM		1			115113	07/25/25 23:27	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	114642	07/22/25 08:47	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	115015	07/25/25 23:27	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	114801	07/23/25 10:08	SA	EET MID
Soluble	Analysis	300.0		5			114839	07/23/25 23:27	CS	EET MID

Client Sample ID: HA - 1

Lab Sample ID: 890-8486-3

Date Collected: 07/21/25 12:10

Matrix: Solid

Date Received: 07/21/25 15:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	114667	07/22/25 08:48	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	114785	07/23/25 16:54	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			114889	07/23/25 16:54	SA	EET MID
Total/NA	Analysis	8015 NM		1			115113	07/26/25 01:29	SA	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	114643	07/22/25 08:49	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	115015	07/26/25 01:29	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	114801	07/23/25 10:08	SA	EET MID
Soluble	Analysis	300.0		1			114839	07/23/25 23:35	CS	EET MID

Client Sample ID: HA - 1

Lab Sample ID: 890-8486-4

Date Collected: 07/21/25 12:15

Matrix: Solid

Date Received: 07/21/25 15:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	114667	07/22/25 08:48	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	114785	07/23/25 17:15	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			114889	07/23/25 17:15	SA	EET MID

Eurofins Carlsbad

Lab Chronicle

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

Job ID: 890-8486-1
SDG: Eddy County, NM

Client Sample ID: HA - 1

Date Collected: 07/21/25 12:15

Date Received: 07/21/25 15:20

Lab Sample ID: 890-8486-4

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			115113	07/26/25 02:14	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	114643	07/22/25 08:49	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	115015	07/26/25 02:14	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	114801	07/23/25 10:08	SA	EET MID
Soluble	Analysis	300.0		1			114839	07/23/25 23:42	CS	EET MID

Client Sample ID: HA - 1

Date Collected: 07/21/25 12:20

Date Received: 07/21/25 15:20

Lab Sample ID: 890-8486-5

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	114667	07/22/25 08:48	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	114785	07/23/25 17:35	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			114889	07/23/25 17:35	SA	EET MID
Total/NA	Analysis	8015 NM		1			115113	07/26/25 02:29	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	114643	07/22/25 08:49	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	115015	07/26/25 02:29	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	114801	07/23/25 10:08	SA	EET MID
Soluble	Analysis	300.0		1			114839	07/23/25 23:50	CS	EET MID

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

Accreditation/Certification Summary

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

Job ID: 890-8486-1
SDG: Eddy County, NM

Laboratory: Eurofins Midland

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

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

Method Summary

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

Job ID: 890-8486-1
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 A CTB

Job ID: 890-8486-1
SDG: Eddy County, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-8486-1	HA - 1	Solid	07/21/25 12:00	07/21/25 15:20	0.5
890-8486-2	HA - 1	Solid	07/21/25 12:05	07/21/25 15:20	1
890-8486-3	HA - 1	Solid	07/21/25 12:10	07/21/25 15:20	2
890-8486-4	HA - 1	Solid	07/21/25 12:15	07/21/25 15:20	3
890-8486-5	HA - 1	Solid	07/21/25 12:20	07/21/25 15:20	4

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Environment Testing
Xenco

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300
Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334
El Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1295
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

Chain of Custody

Work Order No: _____

www.xenco.com Page 1 of 1

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

Program: UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund <input type="checkbox"/>	
State of Project:	
Reporting: Level II <input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> TRRP <input type="checkbox"/> Level IV <input type="checkbox"/>	Deliverables: EDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other: _____

Project Name:	Nailed It A CTB		<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush		Pres. Code		
Project Number:	660						
Project Location:	Eddy County, NM		Due Date:		Routine TAT		
Sampler's Name:	Santiago Giron		TAT starts the day received by the lab, if received by 4:30pm				
CCWO #:							
SAMPLE RECEIPT	Temp Blank:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Wet Ice:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Parameters		
	Samples Received Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Thermometer ID:	T-0.2			
	Cooler Custody Seals:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Correction Factor:				
	Sample Custody Seals:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Temperature Reading:	-0.2			
Total Containers:			Corrected Temperature:	0			
Sample Identification	Matrix	Date Sampled	Time Sampled	Depth (feet)	Grab/Comp	# of Cont	
	HA-1	S	7.21.25	12:00	0.5	Grab/1	X X X X X
	HA-1	S	7.21.25	12:05	1	Grab/1	X X X X X
	HA-1	S	7.21.25	12:10	2	Grab/1	X X X X X
	HA-1	S	7.21.25	12:15	3	Grab/1	X X X X X
HA-1	S	7.21.25	12:20	4	Grab/1	X X X X X	
							TPH -NM
							Chloride-NM
							BTEX-NM
							Hold
							24 Hr Rush



890-8486 Chain of Custody

Preservative Codes

None: NO DI Water: H₂O
Cool: COOL MeOH: Me
HCL: HC HNO₃: HN
H₂SO₄: H₂ NaOH: Na
H₃PO₄: HP
NaHSO₄: NABIS
Na₂S₂O₃: NaSO₃
Zn Acetate+NaOH: Zn
NaOH+Ascorbic Acid: SAPC

Sample Comments

Incident Number
NAPP2518171474

Total 200.7 / 6010	200.8 / 6020:	8RCRA	13PPM	Texas 11	Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO ₂ Na Sr Ti Sn U V Zn
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Hg: 1631 / 245.1 / 7470 / 7471

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

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

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
<i>[Signature]</i>	<i>[Signature]</i>	7/21/15	<i>[Signature]</i>	<i>[Signature]</i>	7/21/15

Login Sample Receipt Checklist

Client: Earth Systems Response and Restoration

Job Number: 890-8486-1

SDG Number: Eddy County, NM

Login Number: 8486

List Number: 1

Creator: Bruns, Shannon

List Source: Eurofins Carlsbad

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

Login Sample Receipt Checklist

Client: Earth Systems Response and Restoration

Job Number: 890-8486-1
SDG Number: Eddy County, NM

Login Number: 8486
List Number: 2
Creator: Rios, Minerva

List Source: Eurofins Midland
List Creation: 07/22/25 08:42 AM

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



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 7/28/2025 9:50:06 AM

JOB DESCRIPTION

Nailed It A CTB
Eddy County, NM

JOB NUMBER

890-8487-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

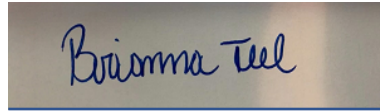
Eurofins Carlsbad

Job Notes

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

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

Authorization



Generated
7/28/2025 9:50:06 AM

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

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

Laboratory Job ID: 890-8487-1
SDG: Eddy County, NM

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Definitions/Glossary

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

Job ID: 890-8487-1
SDG: Eddy County, NM

Qualifiers

GC VOA

Qualifier	Qualifier Description
*1	LCS/LCSD RPD exceeds control limits.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: Earth Systems Response and Restoration
Project: Nailed It A CTB

Job ID: 890-8487-1

Job ID: 890-8487-1

Eurofins Carlsbad

Job Narrative 890-8487-1

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 3:20 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 0.0°C.

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: HA - 2 (890-8487-1), HA - 2 (890-8487-2), HA - 2 (890-8487-3), HA - 2 (890-8487-4) and HA - 2 (890-8487-5).

GC VOA

Method 8021B: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 880-114667 and analytical batch 880-114785 recovered outside control limits for the following analytes: Ethylbenzene.

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

Diesel Range Organics

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (LCSD 880-114643/3-A). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: HA - 2 (890-8487-1), HA - 2 (890-8487-2), HA - 2 (890-8487-3), HA - 2 (890-8487-4) and (890-8486-A-3-B). Evidence of matrix interferences is not obvious.

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

HPLC/IC

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

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Client Sample Results

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

Job ID: 890-8487-1
SDG: Eddy County, NM

Client Sample ID: HA - 2

Lab Sample ID: 890-8487-1

Date Collected: 07/21/25 12:25

Matrix: Solid

Date Received: 07/21/25 15:20

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		07/22/25 08:48	07/23/25 17:56	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/22/25 08:48	07/23/25 17:56	1
Ethylbenzene	<0.00199	U *1	0.00199		mg/Kg		07/22/25 08:48	07/23/25 17:56	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		07/22/25 08:48	07/23/25 17:56	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		07/22/25 08:48	07/23/25 17:56	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/22/25 08:48	07/23/25 17:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130	07/22/25 08:48	07/23/25 17:56	1
1,4-Difluorobenzene (Surr)	82		70 - 130	07/22/25 08:48	07/23/25 17:56	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			07/23/25 17:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			07/26/25 02:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		07/22/25 08:49	07/26/25 02:44	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		07/22/25 08:49	07/26/25 02:44	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		07/22/25 08:49	07/26/25 02:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	128		70 - 130	07/22/25 08:49	07/26/25 02:44	1
o-Terphenyl	133	S1+	70 - 130	07/22/25 08:49	07/26/25 02:44	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1060		50.4		mg/Kg			07/24/25 00:13	5

Client Sample ID: HA - 2

Lab Sample ID: 890-8487-2

Date Collected: 07/21/25 12:30

Matrix: Solid

Date Received: 07/21/25 15:20

Sample Depth: 1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		07/22/25 08:48	07/23/25 18:17	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/22/25 08:48	07/23/25 18:17	1
Ethylbenzene	<0.00199	U *1	0.00199		mg/Kg		07/22/25 08:48	07/23/25 18:17	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		07/22/25 08:48	07/23/25 18:17	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		07/22/25 08:48	07/23/25 18:17	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/22/25 08:48	07/23/25 18:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130	07/22/25 08:48	07/23/25 18:17	1

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Client Sample Results

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

Job ID: 890-8487-1
SDG: Eddy County, NM

Client Sample ID: HA - 2

Lab Sample ID: 890-8487-2

Date Collected: 07/21/25 12:30

Matrix: Solid

Date Received: 07/21/25 15:20

Sample Depth: 1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	86		70 - 130	07/22/25 08:48	07/23/25 18:17	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			07/23/25 18:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			07/26/25 02:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		07/22/25 08:49	07/26/25 02:59	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		07/22/25 08:49	07/26/25 02:59	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		07/22/25 08:49	07/26/25 02:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	126		70 - 130				07/22/25 08:49	07/26/25 02:59	1
o-Terphenyl	132	S1+	70 - 130				07/22/25 08:49	07/26/25 02:59	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	894		49.6		mg/Kg			07/24/25 00:21	5

Client Sample ID: HA - 2

Lab Sample ID: 890-8487-3

Date Collected: 07/21/25 12:35

Matrix: Solid

Date Received: 07/21/25 15:20

Sample Depth: 2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/22/25 08:48	07/23/25 18:37	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/22/25 08:48	07/23/25 18:37	1
Ethylbenzene	<0.00200	U *1	0.00200		mg/Kg		07/22/25 08:48	07/23/25 18:37	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		07/22/25 08:48	07/23/25 18:37	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/22/25 08:48	07/23/25 18:37	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		07/22/25 08:48	07/23/25 18:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130	07/22/25 08:48	07/23/25 18:37	1
1,4-Difluorobenzene (Surr)	81		70 - 130	07/22/25 08:48	07/23/25 18:37	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			07/23/25 18:37	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			07/26/25 03:14	1

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Client Sample Results

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

Job ID: 890-8487-1
SDG: Eddy County, NM

Client Sample ID: HA - 2

Lab Sample ID: 890-8487-3

Date Collected: 07/21/25 12:35

Matrix: Solid

Date Received: 07/21/25 15:20

Sample Depth: 2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/22/25 08:49	07/26/25 03:14	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/22/25 08:49	07/26/25 03:14	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/22/25 08:49	07/26/25 03:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	127		70 - 130				07/22/25 08:49	07/26/25 03:14	1
o-Terphenyl	132	S1+	70 - 130				07/22/25 08:49	07/26/25 03:14	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	880		10.0		mg/Kg			07/24/25 00:28	1

Client Sample ID: HA - 2

Lab Sample ID: 890-8487-4

Date Collected: 07/21/25 12:40

Matrix: Solid

Date Received: 07/21/25 15:20

Sample Depth: 3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		07/22/25 08:48	07/23/25 18:58	1
Toluene	<0.00201	U	0.00201		mg/Kg		07/22/25 08:48	07/23/25 18:58	1
Ethylbenzene	<0.00201	U *1	0.00201		mg/Kg		07/22/25 08:48	07/23/25 18:58	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		07/22/25 08:48	07/23/25 18:58	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		07/22/25 08:48	07/23/25 18:58	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		07/22/25 08:48	07/23/25 18:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130				07/22/25 08:48	07/23/25 18:58	1
1,4-Difluorobenzene (Surr)	98		70 - 130				07/22/25 08:48	07/23/25 18:58	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			07/23/25 18:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			07/26/25 03:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/22/25 08:49	07/26/25 03:29	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/22/25 08:49	07/26/25 03:29	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/22/25 08:49	07/26/25 03:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	126		70 - 130				07/22/25 08:49	07/26/25 03:29	1
o-Terphenyl	131	S1+	70 - 130				07/22/25 08:49	07/26/25 03:29	1

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Client Sample Results

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

Job ID: 890-8487-1
SDG: Eddy County, NM

Client Sample ID: HA - 2

Lab Sample ID: 890-8487-4

Date Collected: 07/21/25 12:40

Matrix: Solid

Date Received: 07/21/25 15:20

Sample Depth: 3

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1090		9.94		mg/Kg			07/24/25 00:36	1

Client Sample ID: HA - 2

Lab Sample ID: 890-8487-5

Date Collected: 07/21/25 12:45

Matrix: Solid

Date Received: 07/21/25 15:20

Sample Depth: 4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/22/25 08:48	07/23/25 19:18	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/22/25 08:48	07/23/25 19:18	1
Ethylbenzene	<0.00200	U *1	0.00200		mg/Kg		07/22/25 08:48	07/23/25 19:18	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		07/22/25 08:48	07/23/25 19:18	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/22/25 08:48	07/23/25 19:18	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		07/22/25 08:48	07/23/25 19:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130				07/22/25 08:48	07/23/25 19:18	1
1,4-Difluorobenzene (Surr)	76		70 - 130				07/22/25 08:48	07/23/25 19:18	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			07/23/25 19:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			07/26/25 03:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		07/22/25 08:49	07/26/25 03:44	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/22/25 08:49	07/26/25 03:44	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/22/25 08:49	07/26/25 03:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	125		70 - 130				07/22/25 08:49	07/26/25 03:44	1
o-Terphenyl	130		70 - 130				07/22/25 08:49	07/26/25 03:44	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1010		49.8		mg/Kg			07/24/25 00:44	5

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Surrogate Summary

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

Job ID: 890-8487-1
SDG: Eddy County, NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
890-8487-1	HA - 2	97	82
890-8487-2	HA - 2	105	86
890-8487-3	HA - 2	104	81
890-8487-4	HA - 2	96	98
890-8487-5	HA - 2	102	76
LCS 880-114667/1-A	Lab Control Sample	115	96
LCSD 880-114667/2-A	Lab Control Sample Dup	110	96
MB 880-114667/5-A	Method Blank	85	93
Surrogate Legend			
BFB = 4-Bromofluorobenzene (Surr)			
DFBZ = 1,4-Difluorobenzene (Surr)			

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
890-8487-1	HA - 2	128	133 S1+
890-8487-2	HA - 2	126	132 S1+
890-8487-3	HA - 2	127	132 S1+
890-8487-4	HA - 2	126	131 S1+
890-8487-5	HA - 2	125	130
LCS 880-114643/2-A	Lab Control Sample	126	128
LCSD 880-114643/3-A	Lab Control Sample Dup	130	132 S1+
MB 880-114643/1-A	Method Blank	110	117
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

QC Sample Results

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

Job ID: 890-8487-1
SDG: Eddy County, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-114667/5-A

Matrix: Solid

Analysis Batch: 114785

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 114667

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/22/25 08:48	07/23/25 11:22	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/22/25 08:48	07/23/25 11:22	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/22/25 08:48	07/23/25 11:22	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		07/22/25 08:48	07/23/25 11:22	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/22/25 08:48	07/23/25 11:22	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		07/22/25 08:48	07/23/25 11:22	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	85		70 - 130	07/22/25 08:48	07/23/25 11:22	1
1,4-Difluorobenzene (Surr)	93		70 - 130	07/22/25 08:48	07/23/25 11:22	1

Lab Sample ID: LCS 880-114667/1-A

Matrix: Solid

Analysis Batch: 114785

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 114667

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.07842		mg/Kg		78	70 - 130
Toluene	0.100	0.07991		mg/Kg		80	70 - 130
Ethylbenzene	0.100	0.07383		mg/Kg		74	70 - 130
m-Xylene & p-Xylene	0.200	0.1716		mg/Kg		86	70 - 130
o-Xylene	0.100	0.1006		mg/Kg		101	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	115		70 - 130
1,4-Difluorobenzene (Surr)	96		70 - 130

Lab Sample ID: LCSD 880-114667/2-A

Matrix: Solid

Analysis Batch: 114785

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 114667

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.08685		mg/Kg		87	70 - 130	10	35
Toluene	0.100	0.08902		mg/Kg		89	70 - 130	11	35
Ethylbenzene	0.100	0.1062	*1	mg/Kg		106	70 - 130	36	35
m-Xylene & p-Xylene	0.200	0.2210		mg/Kg		110	70 - 130	25	35
o-Xylene	0.100	0.1030		mg/Kg		103	70 - 130	2	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	110		70 - 130
1,4-Difluorobenzene (Surr)	96		70 - 130

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QC Sample Results

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

Job ID: 890-8487-1
SDG: Eddy County, NM

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

Lab Sample ID: MB 880-114643/1-A

Matrix: Solid

Analysis Batch: 115015

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 114643

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/22/25 08:13	07/26/25 00:44	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/22/25 08:13	07/26/25 00:44	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/22/25 08:13	07/26/25 00:44	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	110		70 - 130				07/22/25 08:13	07/26/25 00:44	1
o-Terphenyl	117		70 - 130				07/22/25 08:13	07/26/25 00:44	1

Lab Sample ID: LCS 880-114643/2-A

Matrix: Solid

Analysis Batch: 115015

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 114643

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1042		mg/Kg		104	70 - 130
Diesel Range Organics (Over C10-C28)	1000	921.8		mg/Kg		92	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
1-Chlorooctane	126		70 - 130				
o-Terphenyl	128		70 - 130				

Lab Sample ID: LCSD 880-114643/3-A

Matrix: Solid

Analysis Batch: 115015

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 114643

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1082		mg/Kg		108	70 - 130	4	20
Diesel Range Organics (Over C10-C28)	1000	950.0		mg/Kg		95	70 - 130	3	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane	130		70 - 130						
o-Terphenyl	132	S1+	70 - 130						

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-114801/1-A

Matrix: Solid

Analysis Batch: 114839

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			07/23/25 22:41	1

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QC Sample Results

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

Job ID: 890-8487-1
SDG: Eddy County, NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-114801/2-A

Matrix: Solid

Analysis Batch: 114839

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	230.3		mg/Kg		92	90 - 110

Lab Sample ID: LCSD 880-114801/3-A

Matrix: Solid

Analysis Batch: 114839

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	232.1		mg/Kg		93	90 - 110	1	20

QC Association Summary

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

Job ID: 890-8487-1
SDG: Eddy County, NM

GC VOA

Prep Batch: 114667

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8487-1	HA - 2	Total/NA	Solid	5035	
890-8487-2	HA - 2	Total/NA	Solid	5035	
890-8487-3	HA - 2	Total/NA	Solid	5035	
890-8487-4	HA - 2	Total/NA	Solid	5035	
890-8487-5	HA - 2	Total/NA	Solid	5035	
MB 880-114667/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-114667/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-114667/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 114785

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8487-1	HA - 2	Total/NA	Solid	8021B	114667
890-8487-2	HA - 2	Total/NA	Solid	8021B	114667
890-8487-3	HA - 2	Total/NA	Solid	8021B	114667
890-8487-4	HA - 2	Total/NA	Solid	8021B	114667
890-8487-5	HA - 2	Total/NA	Solid	8021B	114667
MB 880-114667/5-A	Method Blank	Total/NA	Solid	8021B	114667
LCS 880-114667/1-A	Lab Control Sample	Total/NA	Solid	8021B	114667
LCSD 880-114667/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	114667

Analysis Batch: 114890

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8487-1	HA - 2	Total/NA	Solid	Total BTEX	
890-8487-2	HA - 2	Total/NA	Solid	Total BTEX	
890-8487-3	HA - 2	Total/NA	Solid	Total BTEX	
890-8487-4	HA - 2	Total/NA	Solid	Total BTEX	
890-8487-5	HA - 2	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 114643

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8487-1	HA - 2	Total/NA	Solid	8015NM Prep	
890-8487-2	HA - 2	Total/NA	Solid	8015NM Prep	
890-8487-3	HA - 2	Total/NA	Solid	8015NM Prep	
890-8487-4	HA - 2	Total/NA	Solid	8015NM Prep	
890-8487-5	HA - 2	Total/NA	Solid	8015NM Prep	
MB 880-114643/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-114643/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-114643/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 115015

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8487-1	HA - 2	Total/NA	Solid	8015B NM	114643
890-8487-2	HA - 2	Total/NA	Solid	8015B NM	114643
890-8487-3	HA - 2	Total/NA	Solid	8015B NM	114643
890-8487-4	HA - 2	Total/NA	Solid	8015B NM	114643
890-8487-5	HA - 2	Total/NA	Solid	8015B NM	114643
MB 880-114643/1-A	Method Blank	Total/NA	Solid	8015B NM	114643
LCS 880-114643/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	114643
LCSD 880-114643/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	114643

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QC Association Summary

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

Job ID: 890-8487-1
SDG: Eddy County, NM

GC Semi VOA

Analysis Batch: 115114

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8487-1	HA - 2	Total/NA	Solid	8015 NM	
890-8487-2	HA - 2	Total/NA	Solid	8015 NM	
890-8487-3	HA - 2	Total/NA	Solid	8015 NM	
890-8487-4	HA - 2	Total/NA	Solid	8015 NM	
890-8487-5	HA - 2	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 114801

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8487-1	HA - 2	Soluble	Solid	DI Leach	
890-8487-2	HA - 2	Soluble	Solid	DI Leach	
890-8487-3	HA - 2	Soluble	Solid	DI Leach	
890-8487-4	HA - 2	Soluble	Solid	DI Leach	
890-8487-5	HA - 2	Soluble	Solid	DI Leach	
MB 880-114801/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-114801/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-114801/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Analysis Batch: 114839

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8487-1	HA - 2	Soluble	Solid	300.0	114801
890-8487-2	HA - 2	Soluble	Solid	300.0	114801
890-8487-3	HA - 2	Soluble	Solid	300.0	114801
890-8487-4	HA - 2	Soluble	Solid	300.0	114801
890-8487-5	HA - 2	Soluble	Solid	300.0	114801
MB 880-114801/1-A	Method Blank	Soluble	Solid	300.0	114801
LCS 880-114801/2-A	Lab Control Sample	Soluble	Solid	300.0	114801
LCSD 880-114801/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	114801

Lab Chronicle

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

Job ID: 890-8487-1
SDG: Eddy County, NM

Client Sample ID: HA - 2

Lab Sample ID: 890-8487-1

Date Collected: 07/21/25 12:25

Matrix: Solid

Date Received: 07/21/25 15:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	114667	07/22/25 08:48	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	114785	07/23/25 17:56	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			114890	07/23/25 17:56	SA	EET MID
Total/NA	Analysis	8015 NM		1			115114	07/26/25 02:44	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	114643	07/22/25 08:49	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	115015	07/26/25 02:44	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	114801	07/23/25 10:08	SA	EET MID
Soluble	Analysis	300.0		5			114839	07/24/25 00:13	CS	EET MID

Client Sample ID: HA - 2

Lab Sample ID: 890-8487-2

Date Collected: 07/21/25 12:30

Matrix: Solid

Date Received: 07/21/25 15:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	114667	07/22/25 08:48	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	114785	07/23/25 18:17	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			114890	07/23/25 18:17	SA	EET MID
Total/NA	Analysis	8015 NM		1			115114	07/26/25 02:59	SA	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	114643	07/22/25 08:49	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	115015	07/26/25 02:59	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	114801	07/23/25 10:08	SA	EET MID
Soluble	Analysis	300.0		5			114839	07/24/25 00:21	CS	EET MID

Client Sample ID: HA - 2

Lab Sample ID: 890-8487-3

Date Collected: 07/21/25 12:35

Matrix: Solid

Date Received: 07/21/25 15:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	114667	07/22/25 08:48	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	114785	07/23/25 18:37	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			114890	07/23/25 18:37	SA	EET MID
Total/NA	Analysis	8015 NM		1			115114	07/26/25 03:14	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	114643	07/22/25 08:49	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	115015	07/26/25 03:14	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	114801	07/23/25 10:08	SA	EET MID
Soluble	Analysis	300.0		1			114839	07/24/25 00:28	CS	EET MID

Client Sample ID: HA - 2

Lab Sample ID: 890-8487-4

Date Collected: 07/21/25 12:40

Matrix: Solid

Date Received: 07/21/25 15:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	114667	07/22/25 08:48	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	114785	07/23/25 18:58	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			114890	07/23/25 18:58	SA	EET MID

Eurofins Carlsbad

Lab Chronicle

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

Job ID: 890-8487-1
SDG: Eddy County, NM

Client Sample ID: HA - 2

Lab Sample ID: 890-8487-4

Date Collected: 07/21/25 12:40

Matrix: Solid

Date Received: 07/21/25 15:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			115114	07/26/25 03:29	SA	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	114643	07/22/25 08:49	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	115015	07/26/25 03:29	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	114801	07/23/25 10:08	SA	EET MID
Soluble	Analysis	300.0		1			114839	07/24/25 00:36	CS	EET MID

Client Sample ID: HA - 2

Lab Sample ID: 890-8487-5

Date Collected: 07/21/25 12:45

Matrix: Solid

Date Received: 07/21/25 15:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	114667	07/22/25 08:48	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	114785	07/23/25 19:18	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			114890	07/23/25 19:18	SA	EET MID
Total/NA	Analysis	8015 NM		1			115114	07/26/25 03:44	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	114643	07/22/25 08:49	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	115015	07/26/25 03:44	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	114801	07/23/25 10:08	SA	EET MID
Soluble	Analysis	300.0		5			114839	07/24/25 00:44	CS	EET MID

Laboratory References:

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

Accreditation/Certification Summary

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

Job ID: 890-8487-1
SDG: Eddy County, NM

Laboratory: Eurofins Midland

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

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

Method Summary

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

Job ID: 890-8487-1
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 A CTB

Job ID: 890-8487-1
SDG: Eddy County, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-8487-1	HA - 2	Solid	07/21/25 12:25	07/21/25 15:20	0.5
890-8487-2	HA - 2	Solid	07/21/25 12:30	07/21/25 15:20	1
890-8487-3	HA - 2	Solid	07/21/25 12:35	07/21/25 15:20	2
890-8487-4	HA - 2	Solid	07/21/25 12:40	07/21/25 15:20	3
890-8487-5	HA - 2	Solid	07/21/25 12:45	07/21/25 15:20	4

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Environment Testing
Xenco

Chain of Custody

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

Work Order No: _____

www.xenco.com Page 1 of 1

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

Work Order Comments	
Program: UST/PST	<input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund <input type="checkbox"/>
State of Project:	
Reporting: Level II	<input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> TRRP <input type="checkbox"/> Level IV <input type="checkbox"/>
Deliverables: EDD	<input type="checkbox"/> ADAPT <input type="checkbox"/> Other:

Project Name:	Nailed It A CTB	Turn Around	<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush	Pres. Code		
Project Number:	660					
Project Location:	Eddy County, NM	Due Date:	Routine TAT			
Sampler's Name:	Santiago Giron	TAT starts the day received by the lab, if received by 4:30pm				
CCW/O #:						
SAMPLE RECEIPT	Temp Blank:	Yes	No	Wet Ice:	Yes	No
Samples Received Intact:	Yes	No	Thermometer ID:	Tuned 7		
Cooler Custody Seals:	Yes	No	Correction Factor:	-0.2		
Sample Custody Seals:	Yes	No	Temperature Reading:	-0.8		
Total Containers:		Corrected Temperature:	PS			

890-8487 Chain of Custody



Sample Identification	Matrix	Date Sampled	Time Sampled	Depth (feet)	Grab/Comp	# of Cont	ANALYSIS REQUEST																Preservative Codes
							TPH -NM	Chloride-NM	BTEX-NM	Hold	24 Hr Rush												
HA-2	S	7.21.25	12.25	0.5	Grab/	1	X	X	X														Incident Number nAPP2518171474
HA-2	S	7.21.25	12.30	1	Grab/	1	X	X	X														
HA-2	S	7.21.25	12.35	2	Grab/	1	X	X	X														
HA-2	S	7.21.25	12.40	3	Grab/	1	X	X	X														
HA-2	S	7.21.25	12.45	4	Grab/	1	X	X	X														

Total 200.7 / 6010	200.8 / 6020:	8RCRA	13PPM	Texas 11	Al	Sb	As	Ba	Be	B	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Mo	Ni	K	Se	Ag	SiO ₂	Na	Sr	Ti	Sn	U	V	Zn
Circle Method(s) and Metal(s) to be analyzed		Hg: 1631 / 245.1 / 7470 / 7471																														

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of \$5.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
<i>[Signature]</i>	<i>[Signature]</i>	7/21 15:00			

Login Sample Receipt Checklist

Client: Earth Systems Response and Restoration

Job Number: 890-8487-1

SDG Number: Eddy County, NM

Login Number: 8487

List Number: 1

Creator: Bruns, Shannon

List Source: Eurofins Carlsbad

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

Login Sample Receipt Checklist

Client: Earth Systems Response and Restoration

Job Number: 890-8487-1

SDG Number: Eddy County, NM

Login Number: 8487

List Number: 2

Creator: Rios, Minerva

List Source: Eurofins Midland

List Creation: 07/22/25 08:43 AM

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



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 7/28/2025 9:50:52 AM

JOB DESCRIPTION

Nailed It A CTB
Eddy County, NM

JOB NUMBER

890-8488-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

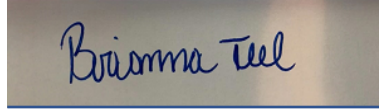
Eurofins Carlsbad

Job Notes

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

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

Authorization



Generated
7/28/2025 9:50:52 AM

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

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

Laboratory Job ID: 890-8488-1
SDG: Eddy County, NM

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Definitions/Glossary

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

Job ID: 890-8488-1
SDG: Eddy County, NM

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: Earth Systems Response and Restoration
Project: Nailed It A CTB

Job ID: 890-8488-1

Job ID: 890-8488-1

Eurofins Carlsbad

Job Narrative 890-8488-1

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 3:20 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 0.0°C.

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: HA - 3 (890-8488-1), HA - 3 (890-8488-2) and HA - 3 (890-8488-3).

GC VOA

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

Diesel Range Organics

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (LCSD 880-114643/3-A). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: HA - 3 (890-8488-3) and (890-8486-A-3-B). Evidence of matrix interferences is not obvious.

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

HPLC/IC

Method 300_ORGFM_28D - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-114801 and analytical batch 880-114839 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

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

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Client Sample Results

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

Job ID: 890-8488-1
SDG: Eddy County, NM

Client Sample ID: HA - 3

Lab Sample ID: 890-8488-1

Date Collected: 07/21/25 12:50

Matrix: Solid

Date Received: 07/21/25 15:20

Sample Depth: 0.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/22/25 08:37	07/25/25 06:52	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/22/25 08:37	07/25/25 06:52	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/22/25 08:37	07/25/25 06:52	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		07/22/25 08:37	07/25/25 06:52	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/22/25 08:37	07/25/25 06:52	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		07/22/25 08:37	07/25/25 06:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130	07/22/25 08:37	07/25/25 06:52	1
1,4-Difluorobenzene (Surr)	100		70 - 130	07/22/25 08:37	07/25/25 06:52	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			07/25/25 06:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	50.5		50.0		mg/Kg			07/26/25 03:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/22/25 08:49	07/26/25 03:59	1
Diesel Range Organics (Over C10-C28)	50.5		50.0		mg/Kg		07/22/25 08:49	07/26/25 03:59	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/22/25 08:49	07/26/25 03:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	121		70 - 130	07/22/25 08:49	07/26/25 03:59	1
o-Terphenyl	126		70 - 130	07/22/25 08:49	07/26/25 03:59	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	257	F1	9.98		mg/Kg			07/24/25 00:51	1

Client Sample ID: HA - 3

Lab Sample ID: 890-8488-2

Date Collected: 07/21/25 12:55

Matrix: Solid

Date Received: 07/21/25 15:20

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		07/22/25 08:37	07/25/25 07:13	1
Toluene	<0.00201	U	0.00201		mg/Kg		07/22/25 08:37	07/25/25 07:13	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		07/22/25 08:37	07/25/25 07:13	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		07/22/25 08:37	07/25/25 07:13	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		07/22/25 08:37	07/25/25 07:13	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		07/22/25 08:37	07/25/25 07:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130	07/22/25 08:37	07/25/25 07:13	1

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Client Sample Results

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

Job ID: 890-8488-1
SDG: Eddy County, NM

Client Sample ID: HA - 3

Lab Sample ID: 890-8488-2

Date Collected: 07/21/25 12:55

Matrix: Solid

Date Received: 07/21/25 15:20

Sample Depth: 2

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	98		70 - 130	07/22/25 08:37	07/25/25 07:13	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			07/25/25 07:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			07/26/25 04:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		07/22/25 08:49	07/26/25 04:14	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		07/22/25 08:49	07/26/25 04:14	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		07/22/25 08:49	07/26/25 04:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	121		70 - 130				07/22/25 08:49	07/26/25 04:14	1
o-Terphenyl	124		70 - 130				07/22/25 08:49	07/26/25 04:14	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	11.3		9.92		mg/Kg			07/24/25 01:14	1

Client Sample ID: HA - 3

Lab Sample ID: 890-8488-3

Date Collected: 07/21/25 13:00

Matrix: Solid

Date Received: 07/21/25 15:20

Sample Depth: 4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/22/25 08:37	07/25/25 07:33	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/22/25 08:37	07/25/25 07:33	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/22/25 08:37	07/25/25 07:33	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		07/22/25 08:37	07/25/25 07:33	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/22/25 08:37	07/25/25 07:33	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		07/22/25 08:37	07/25/25 07:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130	07/22/25 08:37	07/25/25 07:33	1
1,4-Difluorobenzene (Surr)	96		70 - 130	07/22/25 08:37	07/25/25 07:33	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			07/25/25 07:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			07/26/25 04:45	1

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Client Sample Results

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

Job ID: 890-8488-1
SDG: Eddy County, NM

Client Sample ID: HA - 3
Date Collected: 07/21/25 13:00
Date Received: 07/21/25 15:20
Sample Depth: 4

Lab Sample ID: 890-8488-3
Matrix: Solid

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		07/22/25 08:49	07/26/25 04:45	1	
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/22/25 08:49	07/26/25 04:45	1	
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/22/25 08:49	07/26/25 04:45	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
1-Chlorooctane	125		70 - 130				07/22/25 08:49	07/26/25 04:45	1	
o-Terphenyl	131	S1+	70 - 130				07/22/25 08:49	07/26/25 04:45	1	

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	<9.98	U	9.98		mg/Kg			07/24/25 01:22	1	

Surrogate Summary

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

Job ID: 890-8488-1
SDG: Eddy County, NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
890-8488-1	HA - 3	103	100
890-8488-2	HA - 3	104	98
890-8488-3	HA - 3	100	96
LCS 880-114660/1-A	Lab Control Sample	103	99
LCSD 880-114660/2-A	Lab Control Sample Dup	104	95
MB 880-114660/5-A	Method Blank	105	85
MB 880-114887/5-A	Method Blank	106	86
Surrogate Legend			
BFB = 4-Bromofluorobenzene (Surr)			
DFBZ = 1,4-Difluorobenzene (Surr)			

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
890-8488-1	HA - 3	121	126
890-8488-2	HA - 3	121	124
890-8488-3	HA - 3	125	131 S1+
LCS 880-114643/2-A	Lab Control Sample	126	128
LCSD 880-114643/3-A	Lab Control Sample Dup	130	132 S1+
MB 880-114643/1-A	Method Blank	110	117
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

QC Sample Results

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

Job ID: 890-8488-1
SDG: Eddy County, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-114660/5-A

Matrix: Solid

Analysis Batch: 114884

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 114660

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/22/25 08:37	07/24/25 23:29	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/22/25 08:37	07/24/25 23:29	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/22/25 08:37	07/24/25 23:29	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		07/22/25 08:37	07/24/25 23:29	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/22/25 08:37	07/24/25 23:29	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		07/22/25 08:37	07/24/25 23:29	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130	07/22/25 08:37	07/24/25 23:29	1
1,4-Difluorobenzene (Surr)	85		70 - 130	07/22/25 08:37	07/24/25 23:29	1

Lab Sample ID: LCS 880-114660/1-A

Matrix: Solid

Analysis Batch: 114884

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 114660

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09368		mg/Kg		94	70 - 130
Toluene	0.100	0.08585		mg/Kg		86	70 - 130
Ethylbenzene	0.100	0.09711		mg/Kg		97	70 - 130
m-Xylene & p-Xylene	0.200	0.1924		mg/Kg		96	70 - 130
o-Xylene	0.100	0.09574		mg/Kg		96	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	103		70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

Lab Sample ID: LCSD 880-114660/2-A

Matrix: Solid

Analysis Batch: 114884

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 114660

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09457		mg/Kg		95	70 - 130	1	35
Toluene	0.100	0.08935		mg/Kg		89	70 - 130	4	35
Ethylbenzene	0.100	0.1006		mg/Kg		101	70 - 130	4	35
m-Xylene & p-Xylene	0.200	0.1973		mg/Kg		99	70 - 130	3	35
o-Xylene	0.100	0.09903		mg/Kg		99	70 - 130	3	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	104		70 - 130
1,4-Difluorobenzene (Surr)	95		70 - 130

Lab Sample ID: MB 880-114887/5-A

Matrix: Solid

Analysis Batch: 114884

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 114887

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/24/25 08:52	07/24/25 11:28	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/24/25 08:52	07/24/25 11:28	1

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QC Sample Results

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

Job ID: 890-8488-1
SDG: Eddy County, NM

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

Lab Sample ID: MB 880-114887/5-A

Matrix: Solid

Analysis Batch: 114884

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 114887

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/24/25 08:52	07/24/25 11:28	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		07/24/25 08:52	07/24/25 11:28	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/24/25 08:52	07/24/25 11:28	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		07/24/25 08:52	07/24/25 11:28	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130	07/24/25 08:52	07/24/25 11:28	1
1,4-Difluorobenzene (Surr)	86		70 - 130	07/24/25 08:52	07/24/25 11:28	1

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

Lab Sample ID: MB 880-114643/1-A

Matrix: Solid

Analysis Batch: 115015

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 114643

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/22/25 08:13	07/26/25 00:44	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/22/25 08:13	07/26/25 00:44	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/22/25 08:13	07/26/25 00:44	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	110		70 - 130	07/22/25 08:13	07/26/25 00:44	1
o-Terphenyl	117		70 - 130	07/22/25 08:13	07/26/25 00:44	1

Lab Sample ID: LCS 880-114643/2-A

Matrix: Solid

Analysis Batch: 115015

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 114643

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1042		mg/Kg		104	70 - 130
Diesel Range Organics (Over C10-C28)	1000	921.8		mg/Kg		92	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	126		70 - 130
o-Terphenyl	128		70 - 130

Lab Sample ID: LCSD 880-114643/3-A

Matrix: Solid

Analysis Batch: 115015

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 114643

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1082		mg/Kg		108	70 - 130	4	20
Diesel Range Organics (Over C10-C28)	1000	950.0		mg/Kg		95	70 - 130	3	20

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QC Sample Results

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

Job ID: 890-8488-1
SDG: Eddy County, NM

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

Lab Sample ID: LCSD 880-114643/3-A

Matrix: Solid

Analysis Batch: 115015

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 114643

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	130		70 - 130
o-Terphenyl	132	S1+	70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-114801/1-A

Matrix: Solid

Analysis Batch: 114839

Client Sample ID: Method Blank

Prep Type: Soluble

	MB	MB								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil	Fac
Chloride	<10.0	U	10.0		mg/Kg			07/23/25 22:41		1

Lab Sample ID: LCS 880-114801/2-A

Matrix: Solid

Analysis Batch: 114839

Client Sample ID: Lab Control Sample

Prep Type: Soluble

			Spike	LCS	LCS				%Rec	
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride			250	230.3		mg/Kg		92	90 - 110	

Lab Sample ID: LCSD 880-114801/3-A

Matrix: Solid

Analysis Batch: 114839

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

			Spike	LCSD	LCSD				%Rec		RPD
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride			250	232.1		mg/Kg		93	90 - 110	1	20

Lab Sample ID: 890-8488-1 MS

Matrix: Solid

Analysis Batch: 114839

Client Sample ID: HA - 3

Prep Type: Soluble

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	257	F1	250	477.2	F1	mg/Kg		88	90 - 110	

Lab Sample ID: 890-8488-1 MSD

Matrix: Solid

Analysis Batch: 114839

Client Sample ID: HA - 3

Prep Type: Soluble

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	257	F1	250	470.2	F1	mg/Kg		85	90 - 110	1	20

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QC Association Summary

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

Job ID: 890-8488-1
SDG: Eddy County, NM

GC VOA

Prep Batch: 114660

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8488-1	HA - 3	Total/NA	Solid	5035	
890-8488-2	HA - 3	Total/NA	Solid	5035	
890-8488-3	HA - 3	Total/NA	Solid	5035	
MB 880-114660/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-114660/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-114660/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 114884

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8488-1	HA - 3	Total/NA	Solid	8021B	114660
890-8488-2	HA - 3	Total/NA	Solid	8021B	114660
890-8488-3	HA - 3	Total/NA	Solid	8021B	114660
MB 880-114660/5-A	Method Blank	Total/NA	Solid	8021B	114660
MB 880-114887/5-A	Method Blank	Total/NA	Solid	8021B	114887
LCS 880-114660/1-A	Lab Control Sample	Total/NA	Solid	8021B	114660
LCSD 880-114660/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	114660

Prep Batch: 114887

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-114887/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 115042

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8488-1	HA - 3	Total/NA	Solid	Total BTEX	
890-8488-2	HA - 3	Total/NA	Solid	Total BTEX	
890-8488-3	HA - 3	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 114643

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8488-1	HA - 3	Total/NA	Solid	8015NM Prep	
890-8488-2	HA - 3	Total/NA	Solid	8015NM Prep	
890-8488-3	HA - 3	Total/NA	Solid	8015NM Prep	
MB 880-114643/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-114643/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-114643/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 115015

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8488-1	HA - 3	Total/NA	Solid	8015B NM	114643
890-8488-2	HA - 3	Total/NA	Solid	8015B NM	114643
890-8488-3	HA - 3	Total/NA	Solid	8015B NM	114643
MB 880-114643/1-A	Method Blank	Total/NA	Solid	8015B NM	114643
LCS 880-114643/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	114643
LCSD 880-114643/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	114643

Analysis Batch: 115115

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8488-1	HA - 3	Total/NA	Solid	8015 NM	
890-8488-2	HA - 3	Total/NA	Solid	8015 NM	

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QC Association Summary

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

Job ID: 890-8488-1
SDG: Eddy County, NM

GC Semi VOA (Continued)

Analysis Batch: 115115 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8488-3	HA - 3	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 114801

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8488-1	HA - 3	Soluble	Solid	DI Leach	
890-8488-2	HA - 3	Soluble	Solid	DI Leach	
890-8488-3	HA - 3	Soluble	Solid	DI Leach	
MB 880-114801/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-114801/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-114801/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-8488-1 MS	HA - 3	Soluble	Solid	DI Leach	
890-8488-1 MSD	HA - 3	Soluble	Solid	DI Leach	

Analysis Batch: 114839

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8488-1	HA - 3	Soluble	Solid	300.0	114801
890-8488-2	HA - 3	Soluble	Solid	300.0	114801
890-8488-3	HA - 3	Soluble	Solid	300.0	114801
MB 880-114801/1-A	Method Blank	Soluble	Solid	300.0	114801
LCS 880-114801/2-A	Lab Control Sample	Soluble	Solid	300.0	114801
LCSD 880-114801/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	114801
890-8488-1 MS	HA - 3	Soluble	Solid	300.0	114801
890-8488-1 MSD	HA - 3	Soluble	Solid	300.0	114801

Lab Chronicle

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

Job ID: 890-8488-1
SDG: Eddy County, NM

Client Sample ID: HA - 3

Lab Sample ID: 890-8488-1

Date Collected: 07/21/25 12:50

Matrix: Solid

Date Received: 07/21/25 15:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	114660	07/22/25 08:37	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	114884	07/25/25 06:52	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			115042	07/25/25 06:52	SA	EET MID
Total/NA	Analysis	8015 NM		1			115115	07/26/25 03:59	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	114643	07/22/25 08:49	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	115015	07/26/25 03:59	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	114801	07/23/25 10:08	SA	EET MID
Soluble	Analysis	300.0		1			114839	07/24/25 00:51	CS	EET MID

Client Sample ID: HA - 3

Lab Sample ID: 890-8488-2

Date Collected: 07/21/25 12:55

Matrix: Solid

Date Received: 07/21/25 15:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	114660	07/22/25 08:37	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	114884	07/25/25 07:13	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			115042	07/25/25 07:13	SA	EET MID
Total/NA	Analysis	8015 NM		1			115115	07/26/25 04:14	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	114643	07/22/25 08:49	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	115015	07/26/25 04:14	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	114801	07/23/25 10:08	SA	EET MID
Soluble	Analysis	300.0		1			114839	07/24/25 01:14	CS	EET MID

Client Sample ID: HA - 3

Lab Sample ID: 890-8488-3

Date Collected: 07/21/25 13:00

Matrix: Solid

Date Received: 07/21/25 15:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	114660	07/22/25 08:37	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	114884	07/25/25 07:33	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			115042	07/25/25 07:33	SA	EET MID
Total/NA	Analysis	8015 NM		1			115115	07/26/25 04:45	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	114643	07/22/25 08:49	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	115015	07/26/25 04:45	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	114801	07/23/25 10:08	SA	EET MID
Soluble	Analysis	300.0		1			114839	07/24/25 01:22	CS	EET MID

Laboratory References:

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

Eurofins Carlsbad

Accreditation/Certification Summary

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

Job ID: 890-8488-1
SDG: Eddy County, NM

Laboratory: Eurofins Midland

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

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

Method Summary

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

Job ID: 890-8488-1
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 A CTB

Job ID: 890-8488-1
SDG: Eddy County, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-8488-1	HA - 3	Solid	07/21/25 12:50	07/21/25 15:20	0.5
890-8488-2	HA - 3	Solid	07/21/25 12:55	07/21/25 15:20	2
890-8488-3	HA - 3	Solid	07/21/25 13:00	07/21/25 15:20	4

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Chain of Custody

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

Work Order No:

www.xenco.com Page 1 of 1

Work Order Comments	
Program: UST/ST	<input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund <input type="checkbox"/>
State of Project:	
Reporting: Level II	<input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> TRRP <input type="checkbox"/> Level IV <input type="checkbox"/>
Deliverables: EDD	<input type="checkbox"/> ADAPT <input type="checkbox"/> Other: <input type="text"/>

[illegible]

Total 200.7 / 6010 200.8 / 6020:

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

Hg: 1631 / 245.1 / 7470 / 7471

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 \$65.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
<i>[Signature]</i>	<i>[Signature]</i>	11/21/13			

Login Sample Receipt Checklist

Client: Earth Systems Response and Restoration

Job Number: 890-8488-1

SDG Number: Eddy County, NM

Login Number: 8488

List Number: 1

Creator: Bruns, Shannon

List Source: Eurofins Carlsbad

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

Login Sample Receipt Checklist

Client: Earth Systems Response and Restoration

Job Number: 890-8488-1

SDG Number: Eddy County, NM

Login Number: 8488

List Number: 2

Creator: Rios, Minerva

List Source: Eurofins Midland

List Creation: 07/22/25 08:43 AM

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



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 7/28/2025 9:49:31 AM

JOB DESCRIPTION

Nailed it A CTB
Eddy County, NM

JOB NUMBER

890-8485-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220



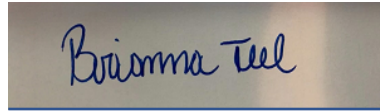
Eurofins Carlsbad

Job Notes

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

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

Authorization



Generated
7/28/2025 9:49:31 AM

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

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

Laboratory Job ID: 890-8485-1
SDG: Eddy County, NM

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Definitions/Glossary

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

Job ID: 890-8485-1
SDG: Eddy County, NM

Qualifiers

GC VOA

Qualifier	Qualifier Description
*1	LCS/LCSD RPD exceeds control limits.
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: Earth Systems Response and Restoration
Project: Nailed it A CTB

Job ID: 890-8485-1

Job ID: 890-8485-1

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Job Narrative 890-8485-1

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 3:20 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 0.0°C.

GC VOA

Method 8021B: The matrix spike duplicate (MSD) recoveries for preparation batch 880-114667 and analytical batch 880-114785 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8021B: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 880-114667 and analytical batch 880-114785 recovered outside control limits for the following analytes: Ethylbenzene.

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

Diesel Range Organics

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (LCS 880-114642/2-A). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (LCSD 880-114642/3-A). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

HPLC/IC

Method 300_ORGFM_28D - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-114743 and analytical batch 880-114837 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

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

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Client Sample Results

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

Job ID: 890-8485-1
SDG: Eddy County, NM

Client Sample ID: HA-4

Lab Sample ID: 890-8485-1

Date Collected: 07/21/25 13:05

Matrix: Solid

Date Received: 07/21/25 15:20

Sample Depth: 0.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U F2 F1	0.00200		mg/Kg		07/22/25 08:48	07/23/25 11:44	1
Toluene	<0.00200	U F2 F1	0.00200		mg/Kg		07/22/25 08:48	07/23/25 11:44	1
Ethylbenzene	<0.00200	U F2 F1 *1	0.00200		mg/Kg		07/22/25 08:48	07/23/25 11:44	1
m-Xylene & p-Xylene	<0.00399	U F2 F1	0.00399		mg/Kg		07/22/25 08:48	07/23/25 11:44	1
o-Xylene	<0.00200	U F2 F1	0.00200		mg/Kg		07/22/25 08:48	07/23/25 11:44	1
Xylenes, Total	<0.00399	U F2 F1	0.00399		mg/Kg		07/22/25 08:48	07/23/25 11:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 130	07/22/25 08:48	07/23/25 11:44	1
1,4-Difluorobenzene (Surr)	96		70 - 130	07/22/25 08:48	07/23/25 11:44	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			07/23/25 11:44	1

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

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/22/25 08:47	07/25/25 19:58	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/22/25 08:47	07/25/25 19:58	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/22/25 08:47	07/25/25 19:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	118		70 - 130	07/22/25 08:47	07/25/25 19:58	1
o-Terphenyl	123		70 - 130	07/22/25 08:47	07/25/25 19:58	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.1	U	10.1		mg/Kg			07/23/25 17:17	1

Client Sample ID: HA-5

Lab Sample ID: 890-8485-2

Date Collected: 07/21/25 13:10

Matrix: Solid

Date Received: 07/21/25 15:20

Sample Depth: 0.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		07/22/25 08:48	07/23/25 12:05	1
Toluene	<0.00201	U	0.00201		mg/Kg		07/22/25 08:48	07/23/25 12:05	1
Ethylbenzene	<0.00201	U *1	0.00201		mg/Kg		07/22/25 08:48	07/23/25 12:05	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		07/22/25 08:48	07/23/25 12:05	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		07/22/25 08:48	07/23/25 12:05	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		07/22/25 08:48	07/23/25 12:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130	07/22/25 08:48	07/23/25 12:05	1

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Client Sample Results

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

Job ID: 890-8485-1
SDG: Eddy County, NM

Client Sample ID: HA-5

Lab Sample ID: 890-8485-2

Date Collected: 07/21/25 13:10

Matrix: Solid

Date Received: 07/21/25 15:20

Sample Depth: 0.5

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	76		70 - 130	07/22/25 08:48	07/23/25 12:05	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			07/23/25 12:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			07/25/25 20:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		07/22/25 08:47	07/25/25 20:14	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		07/22/25 08:47	07/25/25 20:14	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		07/22/25 08:47	07/25/25 20:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	112		70 - 130				07/22/25 08:47	07/25/25 20:14	1
o-Terphenyl	116		70 - 130				07/22/25 08:47	07/25/25 20:14	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	109		10.0		mg/Kg			07/23/25 17:25	1

Client Sample ID: HA-6

Lab Sample ID: 890-8485-3

Date Collected: 07/21/25 13:15

Matrix: Solid

Date Received: 07/21/25 15:20

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		07/22/25 08:48	07/23/25 12:25	1
Toluene	<0.00202	U	0.00202		mg/Kg		07/22/25 08:48	07/23/25 12:25	1
Ethylbenzene	<0.00202	U *1	0.00202		mg/Kg		07/22/25 08:48	07/23/25 12:25	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		07/22/25 08:48	07/23/25 12:25	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		07/22/25 08:48	07/23/25 12:25	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		07/22/25 08:48	07/23/25 12:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130				07/22/25 08:48	07/23/25 12:25	1
1,4-Difluorobenzene (Surr)	92		70 - 130				07/22/25 08:48	07/23/25 12:25	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			07/23/25 12:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			07/25/25 20:29	1

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Client Sample Results

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

Job ID: 890-8485-1
SDG: Eddy County, NM

Client Sample ID: HA-6

Lab Sample ID: 890-8485-3

Date Collected: 07/21/25 13:15

Matrix: Solid

Date Received: 07/21/25 15:20

Sample Depth: 0.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		07/22/25 08:47	07/25/25 20:29	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/22/25 08:47	07/25/25 20:29	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/22/25 08:47	07/25/25 20:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	113		70 - 130				07/22/25 08:47	07/25/25 20:29	1
o-Terphenyl	117		70 - 130				07/22/25 08:47	07/25/25 20:29	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.98	U F1	9.98		mg/Kg			07/23/25 17:32	1

Client Sample ID: HA-6

Lab Sample ID: 890-8485-4

Date Collected: 07/21/25 13:20

Matrix: Solid

Date Received: 07/21/25 15:20

Sample Depth: 2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		07/22/25 08:48	07/23/25 12:46	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/22/25 08:48	07/23/25 12:46	1
Ethylbenzene	<0.00199	U *1	0.00199		mg/Kg		07/22/25 08:48	07/23/25 12:46	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		07/22/25 08:48	07/23/25 12:46	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		07/22/25 08:48	07/23/25 12:46	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/22/25 08:48	07/23/25 12:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130				07/22/25 08:48	07/23/25 12:46	1
1,4-Difluorobenzene (Surr)	92		70 - 130				07/22/25 08:48	07/23/25 12:46	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			07/23/25 12:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			07/25/25 20:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/22/25 08:47	07/25/25 20:44	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/22/25 08:47	07/25/25 20:44	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/22/25 08:47	07/25/25 20:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	113		70 - 130				07/22/25 08:47	07/25/25 20:44	1
o-Terphenyl	117		70 - 130				07/22/25 08:47	07/25/25 20:44	1

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Client Sample Results

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

Job ID: 890-8485-1
SDG: Eddy County, NM

Client Sample ID: HA-6

Lab Sample ID: 890-8485-4

Date Collected: 07/21/25 13:20

Matrix: Solid

Date Received: 07/21/25 15:20

Sample Depth: 2

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			07/23/25 17:55	1

Client Sample ID: HA-6

Lab Sample ID: 890-8485-5

Date Collected: 07/21/25 13:25

Matrix: Solid

Date Received: 07/21/25 15:20

Sample Depth: 4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/22/25 08:48	07/23/25 13:06	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/22/25 08:48	07/23/25 13:06	1
Ethylbenzene	<0.00200	U *1	0.00200		mg/Kg		07/22/25 08:48	07/23/25 13:06	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		07/22/25 08:48	07/23/25 13:06	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/22/25 08:48	07/23/25 13:06	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		07/22/25 08:48	07/23/25 13:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130				07/22/25 08:48	07/23/25 13:06	1
1,4-Difluorobenzene (Surr)	79		70 - 130				07/22/25 08:48	07/23/25 13:06	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			07/23/25 13:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			07/25/25 21:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		07/22/25 08:47	07/25/25 21:14	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		07/22/25 08:47	07/25/25 21:14	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		07/22/25 08:47	07/25/25 21:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	112		70 - 130				07/22/25 08:47	07/25/25 21:14	1
o-Terphenyl	116		70 - 130				07/22/25 08:47	07/25/25 21:14	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			07/23/25 18:03	1

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Client Sample Results

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

Job ID: 890-8485-1
SDG: Eddy County, NM

Client Sample ID: HA-7

Lab Sample ID: 890-8485-6

Date Collected: 07/21/25 13:30

Matrix: Solid

Date Received: 07/21/25 15:20

Sample Depth: 0.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		07/22/25 08:48	07/23/25 13:27	1
Toluene	<0.00198	U	0.00198		mg/Kg		07/22/25 08:48	07/23/25 13:27	1
Ethylbenzene	<0.00198	U *1	0.00198		mg/Kg		07/22/25 08:48	07/23/25 13:27	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		07/22/25 08:48	07/23/25 13:27	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		07/22/25 08:48	07/23/25 13:27	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		07/22/25 08:48	07/23/25 13:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130	07/22/25 08:48	07/23/25 13:27	1
1,4-Difluorobenzene (Surr)	71		70 - 130	07/22/25 08:48	07/23/25 13:27	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			07/23/25 13:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			07/25/25 21:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		07/22/25 08:47	07/25/25 21:29	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		07/22/25 08:47	07/25/25 21:29	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		07/22/25 08:47	07/25/25 21:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	115		70 - 130	07/22/25 08:47	07/25/25 21:29	1
o-Terphenyl	120		70 - 130	07/22/25 08:47	07/25/25 21:29	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	45.6		10.1		mg/Kg			07/23/25 18:26	1

Client Sample ID: HA-7

Lab Sample ID: 890-8485-7

Date Collected: 07/21/25 13:35

Matrix: Solid

Date Received: 07/21/25 15:20

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		07/22/25 08:48	07/23/25 13:47	1
Toluene	<0.00201	U	0.00201		mg/Kg		07/22/25 08:48	07/23/25 13:47	1
Ethylbenzene	<0.00201	U *1	0.00201		mg/Kg		07/22/25 08:48	07/23/25 13:47	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		07/22/25 08:48	07/23/25 13:47	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		07/22/25 08:48	07/23/25 13:47	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		07/22/25 08:48	07/23/25 13:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130	07/22/25 08:48	07/23/25 13:47	1

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Client Sample Results

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

Job ID: 890-8485-1
SDG: Eddy County, NM

Client Sample ID: HA-7

Lab Sample ID: 890-8485-7

Date Collected: 07/21/25 13:35

Matrix: Solid

Date Received: 07/21/25 15:20

Sample Depth: 2

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	88		70 - 130	07/22/25 08:48	07/23/25 13:47	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			07/23/25 13:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			07/25/25 21:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		07/22/25 08:47	07/25/25 21:43	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/22/25 08:47	07/25/25 21:43	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/22/25 08:47	07/25/25 21:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	113		70 - 130				07/22/25 08:47	07/25/25 21:43	1
o-Terphenyl	117		70 - 130				07/22/25 08:47	07/25/25 21:43	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.96	U	9.96		mg/Kg			07/23/25 18:33	1

Client Sample ID: HA-7

Lab Sample ID: 890-8485-8

Date Collected: 07/21/25 13:40

Matrix: Solid

Date Received: 07/21/25 15:20

Sample Depth: 4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		07/22/25 08:48	07/23/25 14:08	1
Toluene	<0.00201	U	0.00201		mg/Kg		07/22/25 08:48	07/23/25 14:08	1
Ethylbenzene	<0.00201	U *1	0.00201		mg/Kg		07/22/25 08:48	07/23/25 14:08	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		07/22/25 08:48	07/23/25 14:08	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		07/22/25 08:48	07/23/25 14:08	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		07/22/25 08:48	07/23/25 14:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130	07/22/25 08:48	07/23/25 14:08	1
1,4-Difluorobenzene (Surr)	91		70 - 130	07/22/25 08:48	07/23/25 14:08	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			07/23/25 14:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			07/25/25 21:58	1

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Client Sample Results

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

Job ID: 890-8485-1
SDG: Eddy County, NM

Client Sample ID: HA-7

Lab Sample ID: 890-8485-8

Date Collected: 07/21/25 13:40

Matrix: Solid

Date Received: 07/21/25 15:20

Sample Depth: 4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		07/22/25 08:47	07/25/25 21:58	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		07/22/25 08:47	07/25/25 21:58	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		07/22/25 08:47	07/25/25 21:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	115		70 - 130				07/22/25 08:47	07/25/25 21:58	1
o-Terphenyl	119		70 - 130				07/22/25 08:47	07/25/25 21:58	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.1	U	10.1		mg/Kg			07/23/25 18:41	1

Client Sample ID: HA-8

Lab Sample ID: 890-8485-9

Date Collected: 07/21/25 13:45

Matrix: Solid

Date Received: 07/21/25 15:20

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		07/22/25 08:48	07/23/25 14:29	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/22/25 08:48	07/23/25 14:29	1
Ethylbenzene	<0.00199	U *1	0.00199		mg/Kg		07/22/25 08:48	07/23/25 14:29	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		07/22/25 08:48	07/23/25 14:29	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		07/22/25 08:48	07/23/25 14:29	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/22/25 08:48	07/23/25 14:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130				07/22/25 08:48	07/23/25 14:29	1
1,4-Difluorobenzene (Surr)	96		70 - 130				07/22/25 08:48	07/23/25 14:29	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			07/23/25 14:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			07/25/25 22:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		07/22/25 08:47	07/25/25 22:13	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/22/25 08:47	07/25/25 22:13	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/22/25 08:47	07/25/25 22:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	115		70 - 130				07/22/25 08:47	07/25/25 22:13	1
o-Terphenyl	120		70 - 130				07/22/25 08:47	07/25/25 22:13	1

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Client Sample Results

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

Job ID: 890-8485-1
SDG: Eddy County, NM

Client Sample ID: HA-8

Lab Sample ID: 890-8485-9

Date Collected: 07/21/25 13:45

Matrix: Solid

Date Received: 07/21/25 15:20

Sample Depth: 0.5

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	22.9		10.0		mg/Kg			07/23/25 21:40	1

Client Sample ID: HA-8

Lab Sample ID: 890-8485-10

Date Collected: 07/21/25 13:50

Matrix: Solid

Date Received: 07/21/25 15:20

Sample Depth: 2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		07/22/25 08:48	07/23/25 14:49	1
Toluene	<0.00202	U	0.00202		mg/Kg		07/22/25 08:48	07/23/25 14:49	1
Ethylbenzene	<0.00202	U *1	0.00202		mg/Kg		07/22/25 08:48	07/23/25 14:49	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		07/22/25 08:48	07/23/25 14:49	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		07/22/25 08:48	07/23/25 14:49	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		07/22/25 08:48	07/23/25 14:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130				07/22/25 08:48	07/23/25 14:49	1
1,4-Difluorobenzene (Surr)	96		70 - 130				07/22/25 08:48	07/23/25 14:49	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			07/23/25 14:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			07/25/25 22:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/22/25 08:47	07/25/25 22:28	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/22/25 08:47	07/25/25 22:28	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/22/25 08:47	07/25/25 22:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	79		70 - 130				07/22/25 08:47	07/25/25 22:28	1
o-Terphenyl	80		70 - 130				07/22/25 08:47	07/25/25 22:28	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	38.2		9.98		mg/Kg			07/23/25 21:48	1

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Client Sample Results

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

Job ID: 890-8485-1
SDG: Eddy County, NM

Client Sample ID: HA-8

Lab Sample ID: 890-8485-11

Date Collected: 07/21/25 13:55

Matrix: Solid

Date Received: 07/21/25 15:20

Sample Depth: 4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		07/22/25 12:25	07/22/25 18:25	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/22/25 12:25	07/22/25 18:25	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/22/25 12:25	07/22/25 18:25	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		07/22/25 12:25	07/22/25 18:25	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		07/22/25 12:25	07/22/25 18:25	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/22/25 12:25	07/22/25 18:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130	07/22/25 12:25	07/22/25 18:25	1
1,4-Difluorobenzene (Surr)	93		70 - 130	07/22/25 12:25	07/22/25 18:25	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			07/25/25 22:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		07/22/25 08:47	07/25/25 22:42	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		07/22/25 08:47	07/25/25 22:42	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		07/22/25 08:47	07/25/25 22:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	77		70 - 130	07/22/25 08:47	07/25/25 22:42	1
o-Terphenyl	78		70 - 130	07/22/25 08:47	07/25/25 22:42	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	41.0		10.0		mg/Kg			07/23/25 21:55	1

Client Sample ID: HA-9

Lab Sample ID: 890-8485-12

Date Collected: 07/21/25 14:00

Matrix: Solid

Date Received: 07/21/25 15:20

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		07/22/25 12:25	07/22/25 18:46	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/22/25 12:25	07/22/25 18:46	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/22/25 12:25	07/22/25 18:46	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		07/22/25 12:25	07/22/25 18:46	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		07/22/25 12:25	07/22/25 18:46	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/22/25 12:25	07/22/25 18:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130	07/22/25 12:25	07/22/25 18:46	1

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Client Sample Results

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

Job ID: 890-8485-1
SDG: Eddy County, NM

Client Sample ID: HA-9

Lab Sample ID: 890-8485-12

Date Collected: 07/21/25 14:00

Matrix: Solid

Date Received: 07/21/25 15:20

Sample Depth: 0.5

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	95		70 - 130	07/22/25 12:25	07/22/25 18:46	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			07/22/25 18:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			07/25/25 22:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		07/22/25 08:47	07/25/25 22:57	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		07/22/25 08:47	07/25/25 22:57	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		07/22/25 08:47	07/25/25 22:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	110		70 - 130				07/22/25 08:47	07/25/25 22:57	1
o-Terphenyl	114		70 - 130				07/22/25 08:47	07/25/25 22:57	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.98	U	9.98		mg/Kg			07/23/25 22:03	1

Surrogate Summary

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

Job ID: 890-8485-1
SDG: Eddy County, NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
890-8485-1	HA-4	91	96
890-8485-1 MS	HA-4	107	106
890-8485-1 MSD	HA-4	97	83
890-8485-2	HA-5	112	76
890-8485-3	HA-6	93	92
890-8485-4	HA-6	99	92
890-8485-5	HA-6	102	79
890-8485-6	HA-7	104	71
890-8485-7	HA-7	95	88
890-8485-8	HA-7	97	91
890-8485-9	HA-8	98	96
890-8485-10	HA-8	95	96
890-8485-11	HA-8	102	93
890-8485-12	HA-9	94	95
LCS 880-114594/1-A	Lab Control Sample	109	99
LCS 880-114667/1-A	Lab Control Sample	115	96
LCSD 880-114594/2-A	Lab Control Sample Dup	107	99
LCSD 880-114667/2-A	Lab Control Sample Dup	110	96
MB 880-114594/5-A	Method Blank	87	93
MB 880-114667/5-A	Method Blank	85	93
Surrogate Legend			
BFB = 4-Bromofluorobenzene (Surr)			
DFBZ = 1,4-Difluorobenzene (Surr)			

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
890-8485-1	HA-4	118	123
890-8485-2	HA-5	112	116
890-8485-3	HA-6	113	117
890-8485-4	HA-6	113	117
890-8485-5	HA-6	112	116
890-8485-6	HA-7	115	120
890-8485-7	HA-7	113	117
890-8485-8	HA-7	115	119
890-8485-9	HA-8	115	120
890-8485-10	HA-8	79	80
890-8485-11	HA-8	77	78
890-8485-12	HA-9	110	114
LCS 880-114642/2-A	Lab Control Sample	130	134 S1+
LCSD 880-114642/3-A	Lab Control Sample Dup	134 S1+	139 S1+
MB 880-114642/1-A	Method Blank	100	106
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

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QC Sample Results

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

Job ID: 890-8485-1
SDG: Eddy County, NM

Method: 8021B - Volatile Organic Compounds (GC)

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

Matrix: Solid

Analysis Batch: 114648

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 114594

Analyte	MB Result	MB 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

Surrogate	MB %Recovery	MB 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

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

Matrix: Solid

Analysis Batch: 114648

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 114594

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%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

Surrogate	LCS %Recovery	LCS 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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	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

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

Lab Sample ID: MB 880-114667/5-A

Matrix: Solid

Analysis Batch: 114785

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 114667

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/22/25 08:48	07/23/25 11:22	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/22/25 08:48	07/23/25 11:22	1

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QC Sample Results

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

Job ID: 890-8485-1
SDG: Eddy County, NM

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

Lab Sample ID: MB 880-114667/5-A

Matrix: Solid

Analysis Batch: 114785

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 114667

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/22/25 08:48	07/23/25 11:22	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		07/22/25 08:48	07/23/25 11:22	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/22/25 08:48	07/23/25 11:22	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		07/22/25 08:48	07/23/25 11:22	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	85		70 - 130	07/22/25 08:48	07/23/25 11:22	1
1,4-Difluorobenzene (Surr)	93		70 - 130	07/22/25 08:48	07/23/25 11:22	1

Lab Sample ID: LCS 880-114667/1-A

Matrix: Solid

Analysis Batch: 114785

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 114667

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.07842		mg/Kg		78	70 - 130
Toluene	0.100	0.07991		mg/Kg		80	70 - 130
Ethylbenzene	0.100	0.07383		mg/Kg		74	70 - 130
m-Xylene & p-Xylene	0.200	0.1716		mg/Kg		86	70 - 130
o-Xylene	0.100	0.1006		mg/Kg		101	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	115		70 - 130
1,4-Difluorobenzene (Surr)	96		70 - 130

Lab Sample ID: LCSD 880-114667/2-A

Matrix: Solid

Analysis Batch: 114785

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 114667

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.08685		mg/Kg		87	70 - 130	10	35
Toluene	0.100	0.08902		mg/Kg		89	70 - 130	11	35
Ethylbenzene	0.100	0.1062	*1	mg/Kg		106	70 - 130	36	35
m-Xylene & p-Xylene	0.200	0.2210		mg/Kg		110	70 - 130	25	35
o-Xylene	0.100	0.1030		mg/Kg		103	70 - 130	2	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	110		70 - 130
1,4-Difluorobenzene (Surr)	96		70 - 130

Lab Sample ID: 890-8485-1 MS

Matrix: Solid

Analysis Batch: 114785

Client Sample ID: HA-4

Prep Type: Total/NA

Prep Batch: 114667

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U F2 F1	0.100	0.08005		mg/Kg		80	70 - 130
Toluene	<0.00200	U F2 F1	0.100	0.08425		mg/Kg		84	70 - 130
Ethylbenzene	<0.00200	U F2 F1	0.100	0.08855		mg/Kg		89	70 - 130

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QC Sample Results

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

Job ID: 890-8485-1
SDG: Eddy County, NM

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

Lab Sample ID: 890-8485-1 MS

Matrix: Solid

Analysis Batch: 114785

Client Sample ID: HA-4

Prep Type: Total/NA

Prep Batch: 114667

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
m-Xylene & p-Xylene	<0.00399	U F2 F1	0.200	0.1855		mg/Kg		93	70 - 130
o-Xylene	<0.00200	U F2 F1	0.100	0.08772		mg/Kg		88	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
4-Bromofluorobenzene (Surr)	107		70 - 130						
1,4-Difluorobenzene (Surr)	106		70 - 130						

Lab Sample ID: 890-8485-1 MSD

Matrix: Solid

Analysis Batch: 114785

Client Sample ID: HA-4

Prep Type: Total/NA

Prep Batch: 114667

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U F2 F1	0.100	0.03093	F2 F1	mg/Kg		31	70 - 130	89	35
Toluene	<0.00200	U F2 F1	0.100	0.03631	F2 F1	mg/Kg		36	70 - 130	80	35
Ethylbenzene	<0.00200	U F2 F1	0.100	0.03794	F2 F1	mg/Kg		38	70 - 130	80	35
m-Xylene & p-Xylene	<0.00399	U F2 F1	0.200	0.08360	F2 F1	mg/Kg		42	70 - 130	76	35
o-Xylene	<0.00200	U F2 F1	0.100	0.04294	F2 F1	mg/Kg		43	70 - 130	69	35
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
4-Bromofluorobenzene (Surr)	97		70 - 130								
1,4-Difluorobenzene (Surr)	83		70 - 130								

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

Lab Sample ID: MB 880-114642/1-A

Matrix: Solid

Analysis Batch: 115015

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 114642

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/22/25 08:13	07/25/25 17:00	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/22/25 08:13	07/25/25 17:00	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/22/25 08:13	07/25/25 17:00	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 130				07/22/25 08:13	07/25/25 17:00	1
o-Terphenyl	106		70 - 130				07/22/25 08:13	07/25/25 17:00	1

Lab Sample ID: LCS 880-114642/2-A

Matrix: Solid

Analysis Batch: 115015

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 114642

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1091		mg/Kg		109	70 - 130
Diesel Range Organics (Over C10-C28)	1000	982.8		mg/Kg		98	70 - 130

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QC Sample Results

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

Job ID: 890-8485-1
SDG: Eddy County, NM

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

Lab Sample ID: LCS 880-114642/2-A

Matrix: Solid

Analysis Batch: 115015

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 114642

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	130		70 - 130
o-Terphenyl	134	S1+	70 - 130

Lab Sample ID: LCSD 880-114642/3-A

Matrix: Solid

Analysis Batch: 115015

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 114642

			Spike	LCSD	LCSD				%Rec		RPD	
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Gasoline Range Organics (GRO)-C6-C10			1000	1116		mg/Kg		112	70 - 130	2	20	
Diesel Range Organics (Over C10-C28)			1000	973.0		mg/Kg		97	70 - 130	1	20	
	LCSD	LCSD										
Surrogate	%Recovery	Qualifier										
1-Chlorooctane	134	S1+										
o-Terphenyl	139	S1+										

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-114743/1-A

Matrix: Solid

Analysis Batch: 114837

Client Sample ID: Method Blank

Prep Type: Soluble

	MB	MB									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac		
Chloride	<10.0	U	10.0		mg/Kg			07/23/25 15:22	1		

Lab Sample ID: LCS 880-114743/2-A

Matrix: Solid

Analysis Batch: 114837

Client Sample ID: Lab Control Sample

Prep Type: Soluble

			Spike	LCS	LCS				%Rec		
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits		
Chloride			250	231.8		mg/Kg		93	90 - 110		

Lab Sample ID: LCSD 880-114743/3-A

Matrix: Solid

Analysis Batch: 114837

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

			Spike	LCSD	LCSD				%Rec		RPD	
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Chloride			250	229.2		mg/Kg		92	90 - 110	1	20	

Lab Sample ID: 890-8485-3 MS

Matrix: Solid

Analysis Batch: 114837

Client Sample ID: HA-6

Prep Type: Soluble

	Sample	Sample	Spike	MS	MS				%Rec		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Chloride	<9.98	U F1	250	233.7		mg/Kg		90	90 - 110		

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QC Sample Results

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

Job ID: 890-8485-1
SDG: Eddy County, NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 890-8485-3 MSD					Client Sample ID: HA-6							
Matrix: Solid					Prep Type: Soluble							
Analysis Batch: 114837												
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit	
Chloride	<9.98	U F1	250	228.8	F1	mg/Kg		88	90 - 110	2	20	

QC Association Summary

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

Job ID: 890-8485-1
SDG: Eddy County, NM

GC VOA

Prep Batch: 114594

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8485-11	HA-8	Total/NA	Solid	5035	
890-8485-12	HA-9	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
890-8485-11	HA-8	Total/NA	Solid	8021B	114594
890-8485-12	HA-9	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

Prep Batch: 114667

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8485-1	HA-4	Total/NA	Solid	5035	
890-8485-2	HA-5	Total/NA	Solid	5035	
890-8485-3	HA-6	Total/NA	Solid	5035	
890-8485-4	HA-6	Total/NA	Solid	5035	
890-8485-5	HA-6	Total/NA	Solid	5035	
890-8485-6	HA-7	Total/NA	Solid	5035	
890-8485-7	HA-7	Total/NA	Solid	5035	
890-8485-8	HA-7	Total/NA	Solid	5035	
890-8485-9	HA-8	Total/NA	Solid	5035	
890-8485-10	HA-8	Total/NA	Solid	5035	
MB 880-114667/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-114667/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-114667/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-8485-1 MS	HA-4	Total/NA	Solid	5035	
890-8485-1 MSD	HA-4	Total/NA	Solid	5035	

Analysis Batch: 114785

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8485-1	HA-4	Total/NA	Solid	8021B	114667
890-8485-2	HA-5	Total/NA	Solid	8021B	114667
890-8485-3	HA-6	Total/NA	Solid	8021B	114667
890-8485-4	HA-6	Total/NA	Solid	8021B	114667
890-8485-5	HA-6	Total/NA	Solid	8021B	114667
890-8485-6	HA-7	Total/NA	Solid	8021B	114667
890-8485-7	HA-7	Total/NA	Solid	8021B	114667
890-8485-8	HA-7	Total/NA	Solid	8021B	114667
890-8485-9	HA-8	Total/NA	Solid	8021B	114667
890-8485-10	HA-8	Total/NA	Solid	8021B	114667
MB 880-114667/5-A	Method Blank	Total/NA	Solid	8021B	114667
LCS 880-114667/1-A	Lab Control Sample	Total/NA	Solid	8021B	114667
LCSD 880-114667/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	114667
890-8485-1 MS	HA-4	Total/NA	Solid	8021B	114667
890-8485-1 MSD	HA-4	Total/NA	Solid	8021B	114667

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QC Association Summary

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

Job ID: 890-8485-1
SDG: Eddy County, NM

GC VOA

Analysis Batch: 114834

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8485-1	HA-4	Total/NA	Solid	Total BTEX	
890-8485-2	HA-5	Total/NA	Solid	Total BTEX	
890-8485-3	HA-6	Total/NA	Solid	Total BTEX	
890-8485-4	HA-6	Total/NA	Solid	Total BTEX	
890-8485-5	HA-6	Total/NA	Solid	Total BTEX	
890-8485-6	HA-7	Total/NA	Solid	Total BTEX	
890-8485-7	HA-7	Total/NA	Solid	Total BTEX	
890-8485-8	HA-7	Total/NA	Solid	Total BTEX	
890-8485-9	HA-8	Total/NA	Solid	Total BTEX	
890-8485-10	HA-8	Total/NA	Solid	Total BTEX	
890-8485-11	HA-8	Total/NA	Solid	Total BTEX	
890-8485-12	HA-9	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 114642

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8485-1	HA-4	Total/NA	Solid	8015NM Prep	
890-8485-2	HA-5	Total/NA	Solid	8015NM Prep	
890-8485-3	HA-6	Total/NA	Solid	8015NM Prep	
890-8485-4	HA-6	Total/NA	Solid	8015NM Prep	
890-8485-5	HA-6	Total/NA	Solid	8015NM Prep	
890-8485-6	HA-7	Total/NA	Solid	8015NM Prep	
890-8485-7	HA-7	Total/NA	Solid	8015NM Prep	
890-8485-8	HA-7	Total/NA	Solid	8015NM Prep	
890-8485-9	HA-8	Total/NA	Solid	8015NM Prep	
890-8485-10	HA-8	Total/NA	Solid	8015NM Prep	
890-8485-11	HA-8	Total/NA	Solid	8015NM Prep	
890-8485-12	HA-9	Total/NA	Solid	8015NM Prep	
MB 880-114642/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-114642/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-114642/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 115015

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8485-1	HA-4	Total/NA	Solid	8015B NM	114642
890-8485-2	HA-5	Total/NA	Solid	8015B NM	114642
890-8485-3	HA-6	Total/NA	Solid	8015B NM	114642
890-8485-4	HA-6	Total/NA	Solid	8015B NM	114642
890-8485-5	HA-6	Total/NA	Solid	8015B NM	114642
890-8485-6	HA-7	Total/NA	Solid	8015B NM	114642
890-8485-7	HA-7	Total/NA	Solid	8015B NM	114642
890-8485-8	HA-7	Total/NA	Solid	8015B NM	114642
890-8485-9	HA-8	Total/NA	Solid	8015B NM	114642
890-8485-10	HA-8	Total/NA	Solid	8015B NM	114642
890-8485-11	HA-8	Total/NA	Solid	8015B NM	114642
890-8485-12	HA-9	Total/NA	Solid	8015B NM	114642
MB 880-114642/1-A	Method Blank	Total/NA	Solid	8015B NM	114642
LCS 880-114642/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	114642
LCSD 880-114642/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	114642

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QC Association Summary

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

Job ID: 890-8485-1
SDG: Eddy County, NM

GC Semi VOA

Analysis Batch: 115112

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8485-1	HA-4	Total/NA	Solid	8015 NM	
890-8485-2	HA-5	Total/NA	Solid	8015 NM	
890-8485-3	HA-6	Total/NA	Solid	8015 NM	
890-8485-4	HA-6	Total/NA	Solid	8015 NM	
890-8485-5	HA-6	Total/NA	Solid	8015 NM	
890-8485-6	HA-7	Total/NA	Solid	8015 NM	
890-8485-7	HA-7	Total/NA	Solid	8015 NM	
890-8485-8	HA-7	Total/NA	Solid	8015 NM	
890-8485-9	HA-8	Total/NA	Solid	8015 NM	
890-8485-10	HA-8	Total/NA	Solid	8015 NM	
890-8485-11	HA-8	Total/NA	Solid	8015 NM	
890-8485-12	HA-9	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 114743

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8485-1	HA-4	Soluble	Solid	DI Leach	
890-8485-2	HA-5	Soluble	Solid	DI Leach	
890-8485-3	HA-6	Soluble	Solid	DI Leach	
890-8485-4	HA-6	Soluble	Solid	DI Leach	
890-8485-5	HA-6	Soluble	Solid	DI Leach	
890-8485-6	HA-7	Soluble	Solid	DI Leach	
890-8485-7	HA-7	Soluble	Solid	DI Leach	
890-8485-8	HA-7	Soluble	Solid	DI Leach	
890-8485-9	HA-8	Soluble	Solid	DI Leach	
890-8485-10	HA-8	Soluble	Solid	DI Leach	
890-8485-11	HA-8	Soluble	Solid	DI Leach	
890-8485-12	HA-9	Soluble	Solid	DI Leach	
MB 880-114743/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-114743/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-114743/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-8485-3 MS	HA-6	Soluble	Solid	DI Leach	
890-8485-3 MSD	HA-6	Soluble	Solid	DI Leach	

Analysis Batch: 114837

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8485-1	HA-4	Soluble	Solid	300.0	114743
890-8485-2	HA-5	Soluble	Solid	300.0	114743
890-8485-3	HA-6	Soluble	Solid	300.0	114743
890-8485-4	HA-6	Soluble	Solid	300.0	114743
890-8485-5	HA-6	Soluble	Solid	300.0	114743
890-8485-6	HA-7	Soluble	Solid	300.0	114743
890-8485-7	HA-7	Soluble	Solid	300.0	114743
890-8485-8	HA-7	Soluble	Solid	300.0	114743
890-8485-9	HA-8	Soluble	Solid	300.0	114743
890-8485-10	HA-8	Soluble	Solid	300.0	114743
890-8485-11	HA-8	Soluble	Solid	300.0	114743
890-8485-12	HA-9	Soluble	Solid	300.0	114743
MB 880-114743/1-A	Method Blank	Soluble	Solid	300.0	114743
LCS 880-114743/2-A	Lab Control Sample	Soluble	Solid	300.0	114743

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QC Association Summary

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

Job ID: 890-8485-1
SDG: Eddy County, NM

HPLC/IC (Continued)

Analysis Batch: 114837 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-114743/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	114743
890-8485-3 MS	HA-6	Soluble	Solid	300.0	114743
890-8485-3 MSD	HA-6	Soluble	Solid	300.0	114743

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Lab Chronicle

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

Job ID: 890-8485-1
SDG: Eddy County, NM

Client Sample ID: HA-4**Lab Sample ID: 890-8485-1****Date Collected: 07/21/25 13:05****Matrix: Solid****Date Received: 07/21/25 15:20**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	114667	07/22/25 08:48	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	114785	07/23/25 11:44	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			114834	07/23/25 11:44	SA	EET MID
Total/NA	Analysis	8015 NM		1			115112	07/25/25 19:58	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	114642	07/22/25 08:47	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	115015	07/25/25 19:58	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	114743	07/22/25 13:50	SI	EET MID
Soluble	Analysis	300.0		1			114837	07/23/25 17:17	CS	EET MID

Client Sample ID: HA-5**Lab Sample ID: 890-8485-2****Date Collected: 07/21/25 13:10****Matrix: Solid****Date Received: 07/21/25 15:20**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	114667	07/22/25 08:48	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	114785	07/23/25 12:05	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			114834	07/23/25 12:05	SA	EET MID
Total/NA	Analysis	8015 NM		1			115112	07/25/25 20:14	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	114642	07/22/25 08:47	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	115015	07/25/25 20:14	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	114743	07/22/25 13:50	SI	EET MID
Soluble	Analysis	300.0		1			114837	07/23/25 17:25	CS	EET MID

Client Sample ID: HA-6**Lab Sample ID: 890-8485-3****Date Collected: 07/21/25 13:15****Matrix: Solid****Date Received: 07/21/25 15:20**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	114667	07/22/25 08:48	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	114785	07/23/25 12:25	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			114834	07/23/25 12:25	SA	EET MID
Total/NA	Analysis	8015 NM		1			115112	07/25/25 20:29	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	114642	07/22/25 08:47	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	115015	07/25/25 20:29	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	114743	07/22/25 13:50	SI	EET MID
Soluble	Analysis	300.0		1			114837	07/23/25 17:32	CS	EET MID

Client Sample ID: HA-6**Lab Sample ID: 890-8485-4****Date Collected: 07/21/25 13:20****Matrix: Solid****Date Received: 07/21/25 15:20**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	114667	07/22/25 08:48	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	114785	07/23/25 12:46	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			114834	07/23/25 12:46	SA	EET MID

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Lab Chronicle

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

Job ID: 890-8485-1
SDG: Eddy County, NM

Client Sample ID: HA-6

Lab Sample ID: 890-8485-4

Date Collected: 07/21/25 13:20

Matrix: Solid

Date Received: 07/21/25 15:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			115112	07/25/25 20:44	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	114642	07/22/25 08:47	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	115015	07/25/25 20:44	TKC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	114743	07/22/25 13:50	SI	EET MID
Soluble	Analysis	300.0		1			114837	07/23/25 17:55	CS	EET MID

Client Sample ID: HA-6

Lab Sample ID: 890-8485-5

Date Collected: 07/21/25 13:25

Matrix: Solid

Date Received: 07/21/25 15:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	114667	07/22/25 08:48	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	114785	07/23/25 13:06	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			114834	07/23/25 13:06	SA	EET MID
Total/NA	Analysis	8015 NM		1			115112	07/25/25 21:14	SA	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	114642	07/22/25 08:47	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	115015	07/25/25 21:14	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	114743	07/22/25 13:50	SI	EET MID
Soluble	Analysis	300.0		1			114837	07/23/25 18:03	CS	EET MID

Client Sample ID: HA-7

Lab Sample ID: 890-8485-6

Date Collected: 07/21/25 13:30

Matrix: Solid

Date Received: 07/21/25 15:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	114667	07/22/25 08:48	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	114785	07/23/25 13:27	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			114834	07/23/25 13:27	SA	EET MID
Total/NA	Analysis	8015 NM		1			115112	07/25/25 21:29	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	114642	07/22/25 08:47	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	115015	07/25/25 21:29	TKC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	114743	07/22/25 13:50	SI	EET MID
Soluble	Analysis	300.0		1			114837	07/23/25 18:26	CS	EET MID

Client Sample ID: HA-7

Lab Sample ID: 890-8485-7

Date Collected: 07/21/25 13:35

Matrix: Solid

Date Received: 07/21/25 15:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	114667	07/22/25 08:48	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	114785	07/23/25 13:47	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			114834	07/23/25 13:47	SA	EET MID
Total/NA	Analysis	8015 NM		1			115112	07/25/25 21:43	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	114642	07/22/25 08:47	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	115015	07/25/25 21:43	TKC	EET MID

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Lab Chronicle

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

Job ID: 890-8485-1
SDG: Eddy County, NM

Client Sample ID: HA-7

Date Collected: 07/21/25 13:35

Date Received: 07/21/25 15:20

Lab Sample ID: 890-8485-7

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.02 g	50 mL	114743	07/22/25 13:50	SI	EET MID
Soluble	Analysis	300.0		1			114837	07/23/25 18:33	CS	EET MID

Client Sample ID: HA-7

Date Collected: 07/21/25 13:40

Date Received: 07/21/25 15:20

Lab Sample ID: 890-8485-8

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	114667	07/22/25 08:48	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	114785	07/23/25 14:08	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			114834	07/23/25 14:08	SA	EET MID
Total/NA	Analysis	8015 NM		1			115112	07/25/25 21:58	SA	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	114642	07/22/25 08:47	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	115015	07/25/25 21:58	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	114743	07/22/25 13:50	SI	EET MID
Soluble	Analysis	300.0		1			114837	07/23/25 18:41	CS	EET MID

Client Sample ID: HA-8

Date Collected: 07/21/25 13:45

Date Received: 07/21/25 15:20

Lab Sample ID: 890-8485-9

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	114667	07/22/25 08:48	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	114785	07/23/25 14:29	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			114834	07/23/25 14:29	SA	EET MID
Total/NA	Analysis	8015 NM		1			115112	07/25/25 22:13	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	114642	07/22/25 08:47	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	115015	07/25/25 22:13	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	114743	07/22/25 13:50	SI	EET MID
Soluble	Analysis	300.0		1			114837	07/23/25 21:40	CS	EET MID

Client Sample ID: HA-8

Date Collected: 07/21/25 13:50

Date Received: 07/21/25 15:20

Lab Sample ID: 890-8485-10

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	114667	07/22/25 08:48	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	114785	07/23/25 14:49	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			114834	07/23/25 14:49	SA	EET MID
Total/NA	Analysis	8015 NM		1			115112	07/25/25 22:28	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	114642	07/22/25 08:47	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	115015	07/25/25 22:28	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	114743	07/22/25 13:50	SI	EET MID
Soluble	Analysis	300.0		1			114837	07/23/25 21:48	CS	EET MID

Eurofins Carlsbad

Lab Chronicle

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

Job ID: 890-8485-1
SDG: Eddy County, NM

Client Sample ID: HA-8
Date Collected: 07/21/25 13:55
Date Received: 07/21/25 15:20

Lab Sample ID: 890-8485-11
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	114594	07/22/25 12:25	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	114648	07/22/25 18:25	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			114834	07/22/25 18:25	SA	EET MID
Total/NA	Analysis	8015 NM		1			115112	07/25/25 22:42	SA	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	114642	07/22/25 08:47	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	115015	07/25/25 22:42	TKC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	114743	07/22/25 13:50	SI	EET MID
Soluble	Analysis	300.0		1			114837	07/23/25 21:55	CS	EET MID

Client Sample ID: HA-9
Date Collected: 07/21/25 14:00
Date Received: 07/21/25 15:20

Lab Sample ID: 890-8485-12
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	114594	07/22/25 12:25	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	114648	07/22/25 18:46	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			114834	07/22/25 18:46	SA	EET MID
Total/NA	Analysis	8015 NM		1			115112	07/25/25 22:57	SA	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	114642	07/22/25 08:47	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	115015	07/25/25 22:57	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	114743	07/22/25 13:50	SI	EET MID
Soluble	Analysis	300.0		1			114837	07/23/25 22:03	CS	EET MID

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

Accreditation/Certification Summary

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

Job ID: 890-8485-1
SDG: Eddy County, NM

Laboratory: Eurofins Midland

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

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

Method Summary

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

Job ID: 890-8485-1
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 A CTB

Job ID: 890-8485-1
SDG: Eddy County, NM

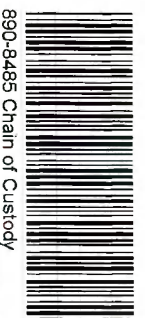
Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-8485-1	HA-4	Solid	07/21/25 13:05	07/21/25 15:20	0.5
890-8485-2	HA-5	Solid	07/21/25 13:10	07/21/25 15:20	0.5
890-8485-3	HA-6	Solid	07/21/25 13:15	07/21/25 15:20	0.5
890-8485-4	HA-6	Solid	07/21/25 13:20	07/21/25 15:20	2
890-8485-5	HA-6	Solid	07/21/25 13:25	07/21/25 15:20	4
890-8485-6	HA-7	Solid	07/21/25 13:30	07/21/25 15:20	0.5
890-8485-7	HA-7	Solid	07/21/25 13:35	07/21/25 15:20	2
890-8485-8	HA-7	Solid	07/21/25 13:40	07/21/25 15:20	4
890-8485-9	HA-8	Solid	07/21/25 13:45	07/21/25 15:20	0.5
890-8485-10	HA-8	Solid	07/21/25 13:50	07/21/25 15:20	2
890-8485-11	HA-8	Solid	07/21/25 13:55	07/21/25 15:20	4
890-8485-12	HA-9	Solid	07/21/25 14:00	07/21/25 15:20	0.5



Environment Testing
Xenco

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300
Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334
El Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 968-3199

Wor



890-9485 Chain of Custody

Chain of Custody

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

Program: UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund <input type="checkbox"/>
State of Project:
Reporting: Level II <input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> TRRP <input type="checkbox"/> Level IV <input type="checkbox"/>
Deliverables: EDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other:

Project Name:	Nailed It A CTB	Turn Around	<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush	Pres. Code		ANALYSIS REQUEST										Preservative Codes									
Project Number:	660															None: NO DI Water: H ₂ O									
Project Location:	Eddy County, NM	Due Date:		Routine TAT												Cool: Cool MeOH: Me									
Sampler's Name:	Santiago Giron	TAT starts the day received by the lab, if received by 4:30pm														HCL: HC HNO ₃ : HN									
CCWO #:																H ₂ SO ₄ : H ₂									
SAMPLE RECEIPT	Temp Blank: <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Wet-ice: <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No														H ₃ PO ₄ : HP									
Samples Received Intact:	Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/>	Thermometer ID:														NaHSO ₄ : NABIS									
Cooler Custody Seals:	Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/>	Correction Factor:														Na ₂ S ₂ O ₃ : NaSO ₃									
Sample Custody Seals:	Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/>	Temperature Reading:														Zn Acetate+NaOH: Zn									
Total Containers:		Corrected Temperature:														NaOH+Ascorbic Acid: SAPC									
Sample Identification	Matrix	Date Sampled	Time Sampled	Depth (feet)	Grab/Comp	# of Cont	TPH -NM	Chloride-NM	BTEX-NM	Hold	24 Hr Rush											Sample Comments			
HA-4	S	7.21.25	13:05	0.5	Grab/1	1	X	X	X					Incident Number											
HA-5	S	7.21.25	13:10	0.5	Grab/1	1	X	X	X					nAPP2518171474											
HA-6	S	7.21.25	13:15	0.5	Grab/1	1	X	X	X																
HA-6	S	7.21.25	13:20	2	Grab/1	1	X	X	X																
HA-6	S	7.21.25	13:25	4	Grab/1	1	X	X	X																
HA-7	S	7.21.25	13:30	0.5	Grab/1	1	X	X	X																
HA-7	S	7.21.25	13:35	2	Grab/1	1	X	X	X																
HA-7	S	7.21.25	13:40	4	Grab/1	1	X	X	X																
HA-8	S	7.21.25	13:45	0.5	Grab/1	1	X	X	X																

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

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

Hg: 1631 / 245.1 / 7470 / 7471

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

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
		7/21/25			



Environment Testing
Xenco

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

Chain of Custody

Work Order No: _____

www.xenco.com Page 2 of 2

Project Manager:	Gilbert Moreno	Bill to: (if different)	
Company Name:	Earth Systems R&R	Company Name:	Earth Systems
Address:	1910 Resource Ct.	Address:	
City, State ZIP:	Carlsbad, NM, 88220	City, State ZIP:	
Phone:	832-641-7719	Email:	gmoreno@earthsys.net

Program: <input type="checkbox"/> UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund <input type="checkbox"/>	
State of Project:	
Reporting: Level II <input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> TRRP <input type="checkbox"/> Level IV <input type="checkbox"/>	Deliverables: EDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other: _____

Project Name:	Nailed ILA CTB	Turn Around	<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush	Pres. Code		ANALYSIS REQUEST																Preservative Codes	
Project Number:	660																					None: NO	DI Water: H ₂ O
Project Location:	Eddy County, NM	Due Date:	Routine TAT																			Cool: Cool	MeOH: Me
Sampler's Name:	Santiago Giron	TAT starts the day received by the lab, if received by 4:30pm																				HCL: HC	HNO ₃ : HN
CC/WO #:																						H ₂ SO ₄ : H ₂	NaOH: Na
SAMPLE RECEIPT	Temp Blank: <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Wettest: <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No																				H ₃ PO ₄ : HP	
Samples Received Inact:	<input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Thermometer ID:	710007																			NaHSO ₄ : NABIS	
Cooler Custody Seals:	<input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Correction Factor:	-0.2																			Na ₂ S ₂ O ₃ : NaSO ₃	
Sample Custody Seals:	<input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Temperature Reading:	-0.2																			Zn Acetate+NaOH: Zn	
Total Containers:		Corrected Temperature:	0																			NaOH+Ascorbic Acid: SAPC	
Sample Identification	Matrix	Date Sampled	Time Sampled	Depth (feet)	Grab/Comp	# of Cont	TPH -NM	Chloride-NM	BTEX-NM	Hold	24 Hr Rush											Sample Comments	Incident Number
HA-8	S	7.21.25	13:50	2	Grab/	1	X	X	X											nAPP2518171474			
HA-8	S	7.21.25	13:55	4	Grab/	1	X	X	X														
HA-9	S	7.21.25	14:00	0.5	Grab/	1	X	X	X														

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO₂ Na Sr Ti Sn U V Zn
Hg 1631 / 245.1 / 7470 / 7471

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

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
<i>[Signature]</i>	<i>[Signature]</i>	7/21/15 8:40			

Login Sample Receipt Checklist

Client: Earth Systems Response and Restoration

Job Number: 890-8485-1

SDG Number: Eddy County, NM

Login Number: 8485

List Number: 1

Creator: Lopez, Abraham

List Source: Eurofins Carlsbad

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

Login Sample Receipt Checklist

Client: Earth Systems Response and Restoration

Job Number: 890-8485-1

SDG Number: Eddy County, NM

Login Number: 8485

List Number: 2

Creator: Rios, Minerva

List Source: Eurofins Midland

List Creation: 07/22/25 08:41 AM

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

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS

Action 500142

QUESTIONS

Operator: Civitas Permian Operating, LLC 555 17th Street Denver, CO 80202	OGRID: 332195
	Action Number: 500142
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2518171474
Incident Name	NAPP2518171474 NAILED IT A CTB @ 0
Incident Type	Oil Release
Incident Status	Deferral Request Received
Incident Facility	[fAPP2126032207] NAILED IT CTB

Location of Release Source

Please answer all the questions in this group.

Site Name	NAILED IT A CTB
Date Release Discovered	06/30/2025
Surface Owner	Private

Incident Details

Please answer all the questions in this group.

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

Nature and Volume of Release

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

Crude Oil Released (bbls) Details	Cause: Corrosion Dump Line Crude Oil Released: 5 BBL Recovered: 5 BBL Lost: 0 BBL.
Produced Water Released (bbls) Details	Cause: Corrosion Dump Line Produced Water Released: 150 BBL Recovered: 150 BBL Lost: 0 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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

QUESTIONS, Page 2

Action 500142

QUESTIONS (continued)

Operator: Civitas Permian Operating, LLC 555 17th Street Denver, CO 80202	OGRID: 332195
	Action Number: 500142
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

Initial Response

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

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

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

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

I hereby agree and sign off to the above statement	Name: Mason Jones Title: c-Environmental Specialist Email: mjonas@civiresources.com Date: 08/28/2025
--	---

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

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

QUESTIONS, Page 3

Action 500142

QUESTIONS (continued)

Operator: Civitas Permian Operating, LLC 555 17th Street Denver, CO 80202	OGRID: 332195
	Action Number: 500142
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Site Characterization	
<i>Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 100 and 500 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between 1 and 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1 and 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1 and 5 (mi.)
Any other fresh water well or spring	Between 1 and 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 500 and 1000 (ft.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Between 1 and 100 (ft.)
Categorize the risk of this well / site being in a karst geology	Medium
A 100-year floodplain	Between 1 and 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
Requesting a remediation plan approval with this submission	Yes
<i>Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.</i>	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)	
Chloride (EPA 300.0 or SM4500 Cl B)	1090
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	291
GRO+DRO (EPA SW-846 Method 8015M)	291
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
On what estimated date will the remediation commence	07/11/2025
On what date will (or did) the final sampling or liner inspection occur	07/21/2025
On what date will (or was) the remediation complete(d)	07/21/2025
What is the estimated surface area (in square feet) that will be reclaimed	7780
What is the estimated volume (in cubic yards) that will be reclaimed	1338
What is the estimated surface area (in square feet) that will be remediated	7780
What is the estimated volume (in cubic yards) that will be remediated	1338
<i>These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.</i>	
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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

General Information
Phone: (505) 629-6116

Online Phone Directory
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Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS, Page 4

Action 500142

QUESTIONS (continued)

Operator: Civitas Permian Operating, LLC 555 17th Street Denver, CO 80202	OGRID: 332195
	Action Number: 500142
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Remediation Plan (continued)	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
<i>(Select all answers below that apply.)</i>	
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	HALFWAY DISPOSAL AND LANDFILL [FEEM0112334510]
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	Not answered.
OR is the off-site disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Mason Jones Title: c-Environmental Specialist Email: mjones@civiresources.com Date: 08/28/2025
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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QUESTIONS, Page 5

Action 500142

QUESTIONS (continued)

Operator: Civitas Permian Operating, LLC 555 17th Street Denver, CO 80202	OGRID: 332195
	Action Number: 500142
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Deferral Requests Only	
<i>Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.</i>	
Requesting a deferral of the remediation closure due date with the approval of this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Is the remaining contamination in areas immediately under or around production equipment where remediation could cause a major facility deconstruction	Yes
Please list or describe the production equipment and how (re)moving the equipment would cause major facility deconstruction	Aboveground separators, heater treaters, and pipelines, are actively supplying nearby facilities and would require a major facility deconstruction and engineer to facilitate a safe excavation in which would destroy the repaired liner during activities.
What is the remaining surface area (in square feet) that will still need to be remediated if a deferral is granted	7780
What is the remaining volume (in cubic yards) that will still need to be remediated if a deferral is granted	1338
<i>Per Paragraph (2) of Subsection C of 19.15.29.12 NMAC if contamination is located in areas immediately under or around production equipment such as production tanks, wellheads and pipelines where remediation could cause a major facility deconstruction, the remediation, restoration and reclamation may be deferred with division written approval until the equipment is removed during other operations, or when the well or facility is plugged or abandoned, whichever comes first.</i>	
Enter the facility ID (f#) on which this deferral should be granted	NAILED IT CTB [fAPP2126032207]
Enter the well API (30-) on which this deferral should be granted	Not answered.
Contamination does not cause an imminent risk to human health, the environment, or groundwater	True
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Mason Jones Title: c-Environmental Specialist Email: mjones@civiresources.com Date: 08/28/2025

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QUESTIONS, Page 6

Action 500142

QUESTIONS (continued)

Operator: Civitas Permian Operating, LLC 555 17th Street Denver, CO 80202	OGRID: 332195
	Action Number: 500142
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	485401
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	07/21/2025
What was the (estimated) number of samples that were to be gathered	30
What was the sampling surface area in square feet	11452

Remediation Closure Request

Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.

Requesting a remediation closure approval with this submission	No
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CONDITIONS

Action 500142

CONDITIONS

Operator: Civitas Permian Operating, LLC 555 17th Street Denver, CO 80202	OGRID: 332195
	Action Number: 500142
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

CONDITIONS

Created By	Condition	Condition Date
michael.buchanan	The deferral request is approved. Remaining contamination may be deferred until a major facility deconstruction occurs or during P&A activities, whichever comes first.	9/2/2025