ENSOLUM

CORRECTIVE ACTION REPORT

Property:

Blanco C-7 (09/11/2024)
Unit Letter F, S12 T27N R09W
San Juan County, New Mexico

New Mexico EMNRD OCD Incident ID No. NAPP2425553609

April 16, 2025

Ensolum Project No. 05A1226342

Prepared for:

Enterprise Field Services, LLC
614 Reilly Avenue
Farmington, NM 87401
Attn: Mr. Thomas Long

Prepared by:

Landon Daniell
Project Geologist

Kyle Summers
Senior Managing Geologist

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LIST OF APPENDICES

1.0 INTRODUCTION

1.1 Site Description & Background

Operator:	Enterprise Field Services, LLC / Enterprise Products Operating LLC (Enterprise)
Site Name:	Blanco C-7 (Site)
NM EMNRD OCD Incident ID No.	NAPP2425553609
Location:	36.59193° North, 107.74042° West Unit Letter F, Section 12, Township 27 North, Range 09 West San Juan County, New Mexico
Property:	Navajo Nation
Regulatory:	Navajo Nation Environmental Protection Agency (NNEPA), New Mexico (NM) Energy, Minerals and Natural Resources Department (EMNRD) Oil Conservation Division (OCD)

On September 6, 2024, Enterprise personnel identified a potential release of natural gas from the Blanco C-7 pipeline. Enterprise subsequently isolated and locked the pipeline out of service. On September 11, 2024, Enterprise initiated activities to repair the pipeline. and remediate petroleum hydrocarbon impact. Enterprise determined the release was “reportable” and the NNEPA was subsequently notified.

A **Topographic Map** depicting the location of the Site is included as **Figure 1**, and a **Site Vicinity Map** is included as **Figure 2** in **Appendix A**.

1.2 Project Objective

The primary objective of the soil remediation activities was to reduce constituent of concern (COC) concentrations in the on-site soils to below the applicable NM EMNRD OCD closure criteria.

2.0 CLOSURE CRITERIA

The Site is subject to regulatory oversight by the NNEPA, which utilizes the NM EMNRD OCD closure standards for exempt oil and gas releases in New Mexico. During the evaluation and remediation of the Site, Ensolum, LLC (Ensolum) referenced New Mexico Administrative Code (NMAC) 19.15.29 *Releases,* which establishes investigation and abatement action requirements for oil and gas release sites that are subject to reporting and/or corrective action. The appropriate closure criteria for sites are determined using the siting requirements outlined in Paragraph (4) of Subsection C of 19.15.29.12 NMAC. Ensolum utilized the general site characteristics and information available from NM state agency databases and federal agency geospatial databases to determine the appropriate closure criteria for the Site. Supporting figures and documentation associated with the following Siting bullets are provided in **Appendix B**.

- The NM Office of the State Engineer (OSE) tracks the usage and assignment of water rights and water well installations and records this information in the Water Rights Reporting System (WRRS) database. Water wells and other points of diversion (PODs) are each assigned POD numbers in the database (which is searchable and includes an interactive map). No PODs were identified in the same Public Land Survey System (PLSS) section, and no PODs were identified in adjacent PLSS sections (**Figure A**, **Appendix B**).

- Two cathodic protection wells (CPWs) were identified in the NM EMNRD OCD imaging database in adjacent PLSS sections with recorded depths to water (**Figure B, Appendix B**). Documentation for the cathodic protection well located near the Turner Hughes #10, #13, and #16 production pads indicates a depth to water of 180 feet below grade surface (bgs). This cathodic protection well is located approximately 0.68 miles west of the Site and is approximately 58 feet higher in elevation than the Site. Documentation for the cathodic protection well located near the Marshall Com #1 production pad indicates a depth to water of 150 feet below grade surface (bgs). This cathodic protection well is located approximately 1.84 miles southwest of the Site and is approximately 339 feet higher in elevation than the Site.

- The Site is not located within 300 feet of a NM EMNRD OCD-defined continuously flowing watercourse or significant watercourse (**Figure C**, **Appendix B**). A “blue line” ephemeral wash is located approximately 650 feet southwest of the Site.

- The Site is not located within 200 feet of a lakebed, sinkhole, or playa lake.

- The Site is not located within 300 feet of a permanent residence, school, hospital, institution, or church (**Figure D**, **Appendix B**).

- No springs, or private domestic freshwater wells used by less than five households for domestic or stock watering purposes were identified within 500 feet of the Site (**Figure E**, **Appendix B**).

- A possible freshwater spring or unregistered well is identified within 1,000 feet of the Site on the United States Geologic Survey (USGS) topographic map. This feature is approximately 930 feet southeast of the Site (**Figure E**, **Appendix B**).

- The Site is not located within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance adopted pursuant to New Mexico Statutes Annotated (NMSA) 1978, Section 3-27-3.

- Based on information identified in the U.S. Fish & Wildlife Service National Wetlands Inventory Wetlands Mapper, the Site is not within 300 feet of a wetland (**Figure F**, **Appendix B**). The closest wetland is Jaquez Canyon Wash located approximately 850 feet south-southeast of the Site.

- Based on information identified in the NM Mining and Minerals Division’s Geographic Information System (GIS) Maps and Mine Data database, the Site is not within an area overlying a subsurface mine (**Figure G**, **Appendix B**).

- The Site is not located within an unstable area per Paragraph (6) of Subsection U of 19.15.2.7 NMAC.

- Based on information provided by the Federal Emergency Management Agency (FEMA) National Flood Hazard Layer (NFHL) geospatial database, the Site is approximately 20 feet north of a 100-year floodplain (**Figure H**, **Appendix B**).

Water was encountered in the excavation at approximately 15 feet bgs, resulting in a Tier I ranking for the Site. The closure criteria for soils remaining in place at the Site include:

Tier I Closure Criteria for Soils Impacted by a Release		
Constituent[1]	**Method**	**Limit**
Chloride	EPA 300.0 or SM4500 Cl B	600 mg/kg
TPH (GRO+DRO+MRO)[2]	EPA SW-846 Method 8015	100 mg/kg
BTEX[3]	EPA SW-846 Method 8021 or 8260	50 mg/kg
Benzene	EPA SW-846 Method 8021 or 8260	10 mg/kg

[1] – Constituent concentrations are in milligrams per kilogram (mg/kg).
[2] – Total Petroleum Hydrocarbons (TPH). Gasoline Range Organics (GRO). Diesel Range Organics (DRO). Motor Oil/Lube Oil Range Organics (MRO).
[3] – Benzene, Toluene, Ethylbenzene, and Total Xylenes (BTEX).

3.0 SOIL REMEDIATION ACTIVITIES

On September 11, 2024, Enterprise initiated activities to repair the pipeline and remediate petroleum hydrocarbon impact resulting from the release. During the remediation and corrective action activities, OFT Construction, Inc. provided heavy equipment and labor support, while Ensolum provided environmental consulting support.

The excavation measured approximately 40 feet long and 12 feet wide at the maximum extents. The maximum depth of the excavation measured approximately 14 feet bgs in the northern portion and 15 feet bgs in the southern portion, with a 480 ft^2 footprint. The lithology encountered during the completion of remediation activities consisted primarily of unconsolidated silty sandy clay and sand. Water was encountered at approximately 15 feet bgs in the southern portion of the excavation.

Approximately 408 cubic yards (yd^3) of petroleum hydrocarbon-affected soils and 45 barrels (bbls) of hydro-excavation soil cuttings and water were transported to the Envirotech, Inc., (Envirotech) landfarm in San Juan County, NM for disposal/remediation. The executed C-138 solid waste acceptance form is provided in **Appendix C**. The excavation was backfilled with imported fill and then contoured to the surrounding grade.

Figure 3 is a map that identifies approximate soil sample locations and depicts the approximate dimensions of the excavation with respect to the pipeline (**Appendix A**). Photographic documentation of the field activities is included in **Appendix D**.

4.0 SOIL SAMPLING PROGRAM

Ensolum field screened the soil samples from the excavation utilizing a calibrated Dexsil PetroFLAG® hydrocarbon analyzer system and a photoionization detector (PID) fitted with a 10.6 eV lamp to guide excavation extents.

Ensolum's soil sampling program included the collection of 11 composite soil samples (S-1 through S-11) from the excavation and one composite sample (BF-1) from the backfill for laboratory analysis. The composite samples were comprised of five aliquots each and represent an estimated 200 square foot (ft^2) or less sample area per guidelines outlined in Section D of 19.15.29.12 NMAC. The excavator bucket and/or hand tools were utilized to obtain fresh aliquots from the excavation and backfill. Regulatory correspondence is provided in **Appendix E**.

First Sampling Event
On September 12, 2024, sampling was performed at the Site. Composite soil sample S-1 (14') was collected from the floor of the excavation.

Second Sampling Event
On September 13, 2024, sampling was performed at the Site. Composite soil samples S-2 (0' to 14'), S-3 (0' to 14'), S-4 (0' to 14'), S-5 (0' to 14'), S-6 (0' to 14'), S-7 (0' to 14'), S-8 (0' to 14'), and S-9 (0' to 14') were collected from the walls of the excavation.

Third Sampling Event
On September 16, 2024, sampling was performed at the Site. Composite soil samples S-10 (14') and S-11 (14') were collected from the floor of the excavation. An attempt was made to remove the soils associated with composite soil sample S-1. Due to sloughing of the excavation after water was encountered, no additional valid soil or excavation water samples could be collected from the southern portion of the excavation.

Fourth Sampling Event
On April 3, 2025, sampling was performed at the Site. Composite soil sample BF-1 was collected from the imported fill.

All soil samples were collected and placed in laboratory-prepared glassware. The containers were labeled and sealed using the laboratory-supplied labels and custody seals and were stored on ice in a cooler. The samples were relinquished to the courier for Eurofins Environment Testing South Central, LLC (Eurofins) of Albuquerque, NM, under proper chain-of-custody procedures.

5.0 SOIL LABORATORY ANALYTICAL METHODS

The composite soil samples were analyzed for BTEX using Environmental Protection Agency (EPA) SW-846 Method 8021; TPH GRO/DRO/MRO using EPA SW-846 Method 8015; and chlorides using EPA Method 300.0.

The laboratory analytical results are summarized in **Table 1** (**Appendix F**). The laboratory data sheets and executed chain-of-custody forms are provided in **Appendix G**.

6.0 SOIL DATA EVALUATION

Ensolum compared the benzene, BTEX, TPH, and chloride laboratory analytical results or laboratory practical quantitation limits (PQLs) / reporting limits (RLs) associated with the composite soil samples (S-2 through S-11 and BF-1) to the applicable NM EMNRD OCD closure criteria. Due to the high PQLs/RLs associated with the TPH MRO results when using EPA SW-846 Method 8015, Ensolum only compares the quantified TPH results to the New Mexico EMNRD OCD closure criteria. Soils associated with composite soil sample S-1 were removed as practicable; and therefore, the analytical results for S-1 are not included in the following discussion. The laboratory analytical results are summarized in **Table 1** (**Appendix F**).

- The laboratory analytical results for the composite soil samples collected from soils remaining at the Site indicate that benzene is not present at concentrations greater than the laboratory PQLs/RLs, which are less than the NM EMNRD OCD closure criteria of 10 mg/kg.

- The laboratory analytical results for the composite soil samples collected from soils remaining at the Site indicate that total BTEX is not present at concentrations greater than the laboratory PQLs/RLs, which are less than the NM EMNRD OCD closure criteria of 50 mg/kg.

- The laboratory analytical results for composite soil sample S-6 indicate a total combined TPH GRO/DRO/MRO concentration of 22 mg/kg, which is less than the NM EMNRD OCD closure criteria of 100 mg/kg. The analytical results for the other composite soil samples collected

from soils remaining at the Site indicate that total combined TPH GRO/DRO/MRO concentrations are less than the laboratory PQLs / RLs, which are less than the NM EMNRD OCD closure criteria of 100 mg/kg.

- The laboratory analytical results for composite soil samples S-2 through S-7 and S-9 through S-11 indicate chloride concentrations ranging from 79 mg/kg (S-5) to 370 mg/kg (S-2), respectively, which are less than or equal to the NM EMNRD OCD closure criteria of 600 mg/kg. The analytical results for composite soil samples S-8 and BF-1 indicate chloride concentrations less than the laboratory PQLs / RLs, which are less than the NM EMNRD OCD closure criteria of 600 mg/kg.

Because a replacement sample for composite soil sample S-1 could not be obtained, and an excavation water sample could not be obtained, additional delineation is recommended.

7.0 RECLAMATION

The excavation was backfilled with imported fill and then contoured to the surrounding grade. The backfill and the upper four feet of the excavation have been analytically verified to be below the Tier I soil standards of 50 mg/kg BTEX, 10 mg/kg benzene, 100 mg/kg total combined TPH, and 600 mg/kg Chloride. See **APPENDIX D** and **APPENDIX F** for further documentation.

8.0 REVEGETATION

Revegetation will be addressed in accordance with 19.15.29.13 NMAC utilizing the recommended seed mix as described in the Vegetation Community Descriptions and Seed Mixes provided by the BLM Farmington Field Office. In this case the surrounding vegetation is predominantly of the Sagebrush Vegetation Community. Enterprise will reseed the area with the appropriate seed mix during the next favorable growing season. Enterprise will provide revegetation documentation under separate cover.

9.0 FINDINGS AND RECOMMENDATION

- Twelve composite soil samples were collected from the Site. Based on laboratory analytical results, the majority of the excavation is free from petroleum hydrocarbon impact. However, neither a replacement sample nor an excavation water sample could be obtained to replace composite soil sample S-1 from the southern floor of the excavation.

- Approximately 408 yd^3 of petroleum hydrocarbon-affected soils and 45 bbls of hydro-excavation soil cuttings and water were transported to the Envirotech landfarm for disposal/remediation.

Ensolum recommends performing delineation activities to complete the characterization of the Site.

10.0 STANDARDS OF CARE, LIMITATIONS, AND RELIANCE

10.1 Standard of Care

Ensolum's services were performed in accordance with standards customarily provided by a firm rendering the same or similar services in the area during the same time period. Ensolum makes no warranties, express or implied, as to the services performed hereunder. Additionally, Ensolum does not warrant the work of third parties supplying information used in the report (e.g., laboratories, regulatory agencies, or other third parties).

10.2 Limitations

Findings, conclusions, and recommendations resulting from these services are based upon information derived from the on-Site activities and other services performed under this scope of work, and it should be noted that this information is subject to change over time. Certain indicators of the presence of hazardous substances, petroleum products, or other constituents may have been latent, inaccessible, unobservable, or not present during these services, and Ensolum cannot represent that the Site contains no hazardous substances, toxic materials, petroleum products, or other latent conditions beyond those identified during the investigation. Environmental conditions at other areas or portions of the Site may vary from those encountered at actual sample locations. Ensolum's findings and recommendation are based solely upon data available to Ensolum at the time of these services.

10.3 Reliance

This report has been prepared for the exclusive use of Enterprise, and any authorization for use or reliance by any other party (except a governmental entity having jurisdiction over the Site) is prohibited without the express written authorization of Enterprise and Ensolum. Any unauthorized distribution or reuse is at the client's sole risk. Notwithstanding the foregoing, reliance by authorized parties will be subject to the terms, conditions, and limitations stated in this report and Ensolum's Master Services Agreement. The limitation of liability defined in the agreement is the aggregate limit of Ensolum's liability to the client.

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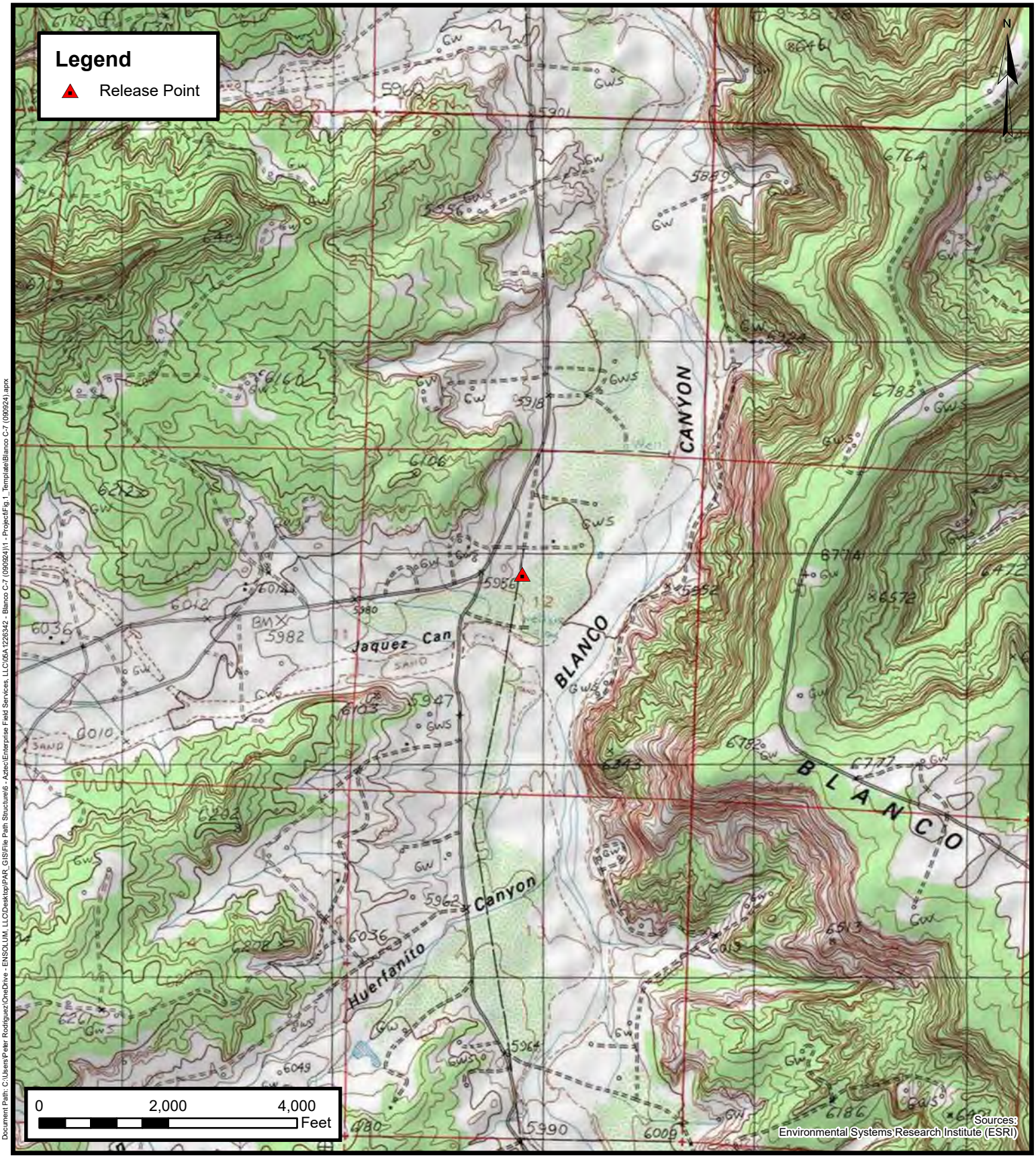
APPENDIX A

Figures



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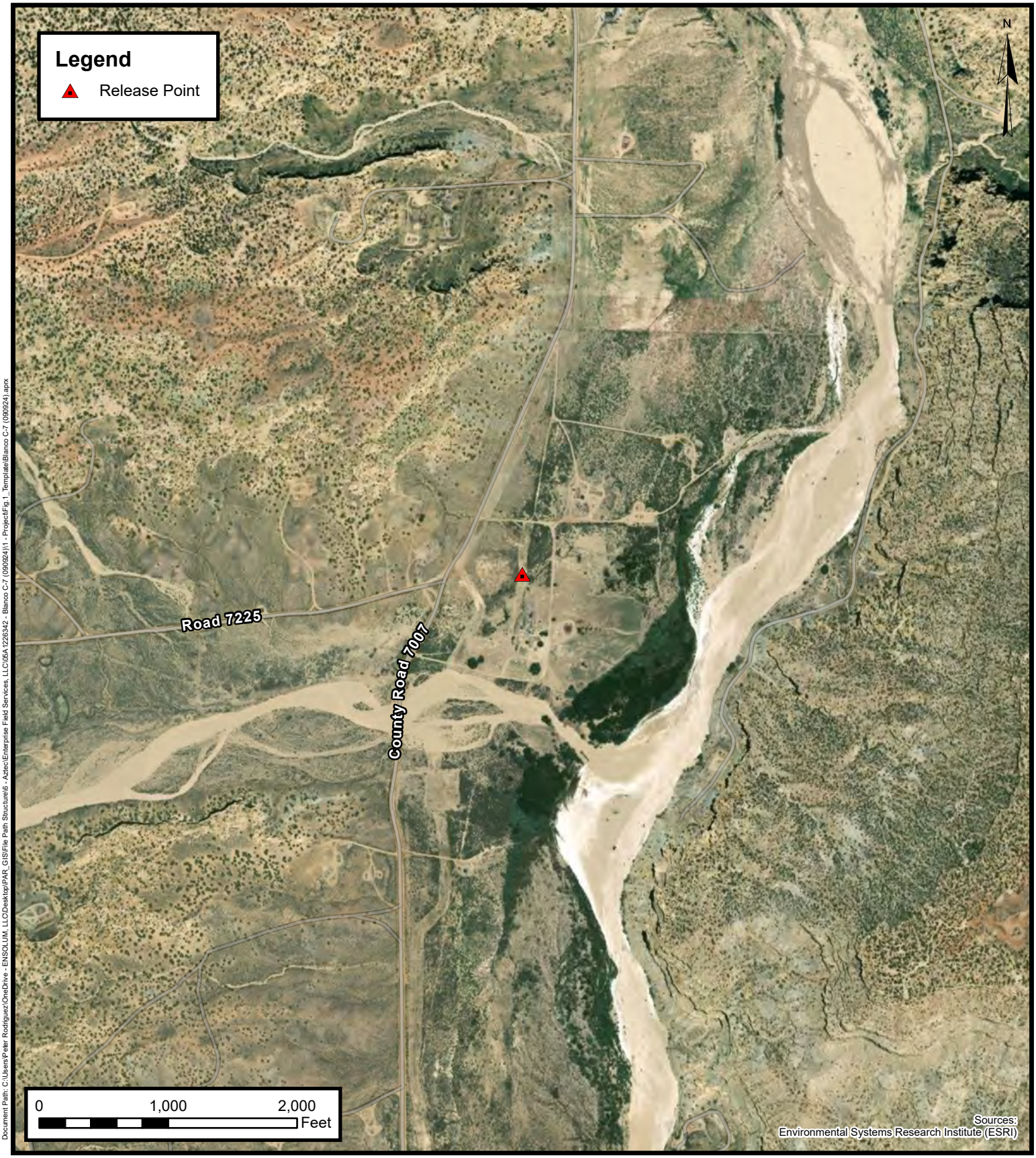
Environmental, Engineering and Hydrogeologic Consultants

Topographic Map

Enterprise Field Services, LLC
Blanco C-7 (09/11/24)
Project Number: 05A1226342
Unit Letter F, S12 T27N R9W, San Juan County, New Mexico
36.59193, -107.74042

FIGURE
1



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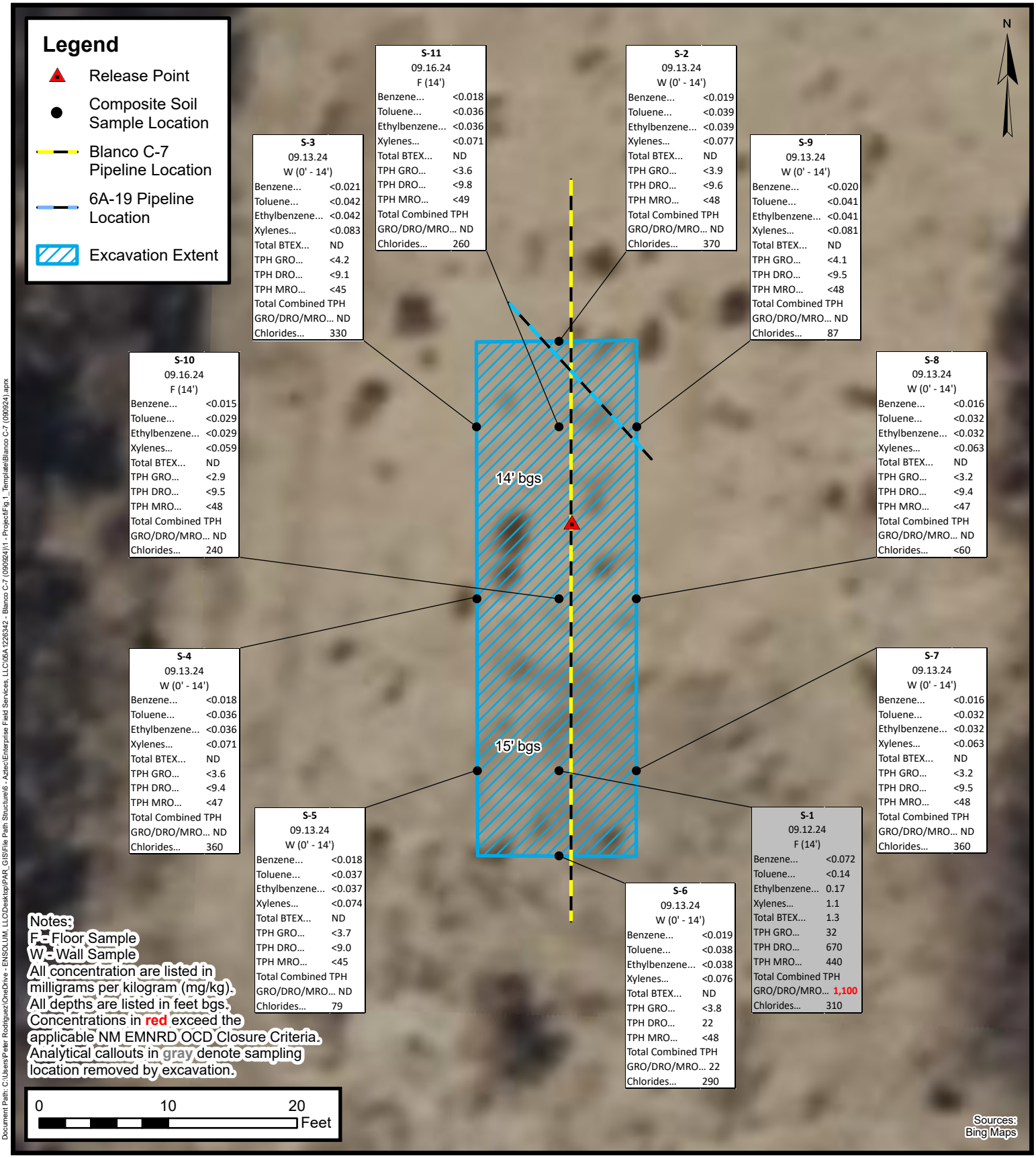
Environmental, Engineering and Hydrogeologic Consultants

Site Vicinity Map

Enterprise Field Services, LLC
Blanco C-7 (09/11/24)
Project Number: 05A1226342
Unit Letter F, S12 T27N R9W, San Juan County, New Mexico
36.59193, -107.74042

FIGURE

2



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Environmental, Engineering and Hydrogeologic Consultants

Site Map with Soil Analytical Results

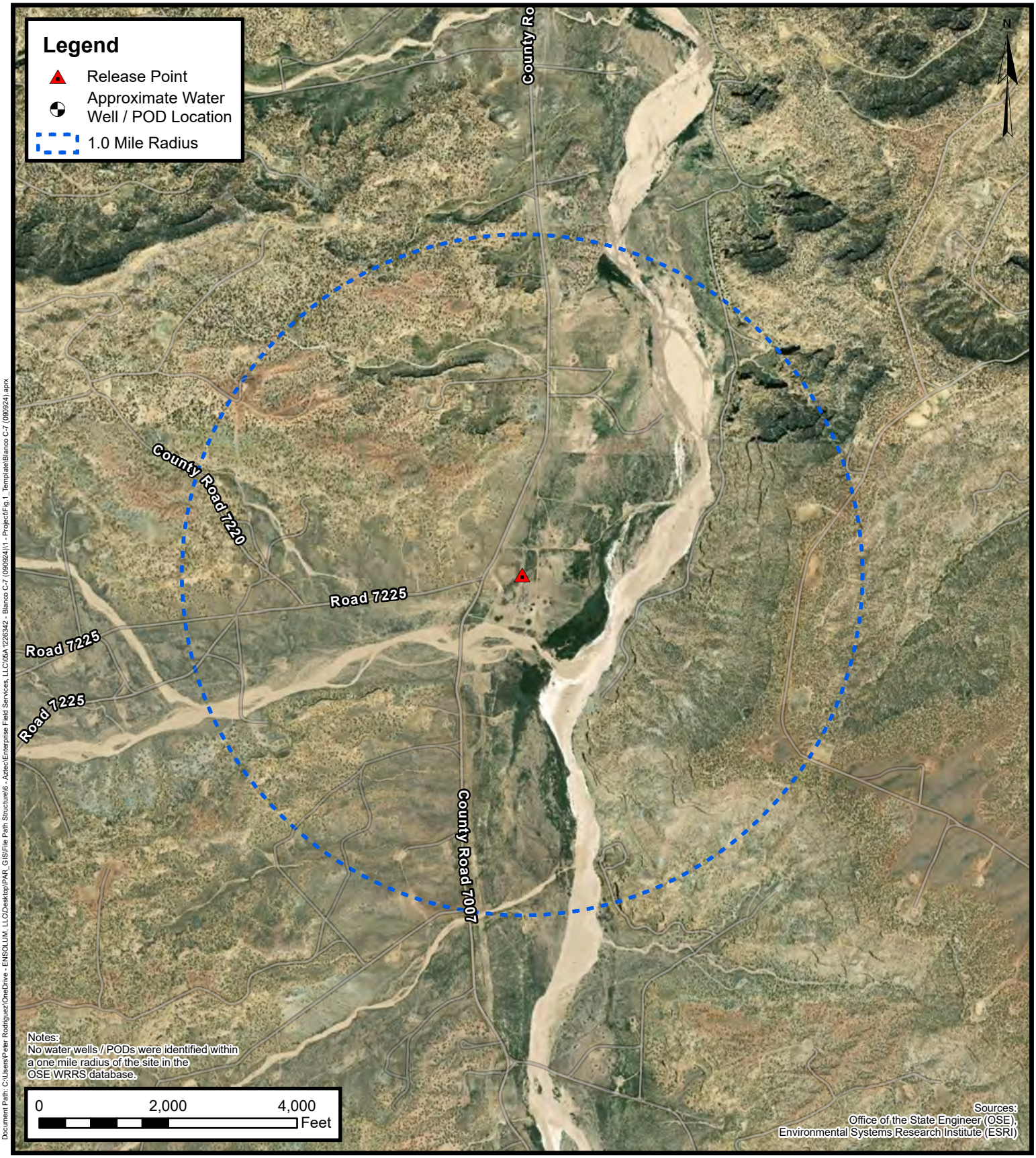
Enterprise Field Services, LLC
Blanco C-7 (09/11/24)
Project Number: 05A1226342
Unit Letter F, S12 T27N R9W, San Juan County, New Mexico
36.59193, -107.74042

FIGURE
3

ENSOLUM

APPENDIX B

Siting Figures and Documentation



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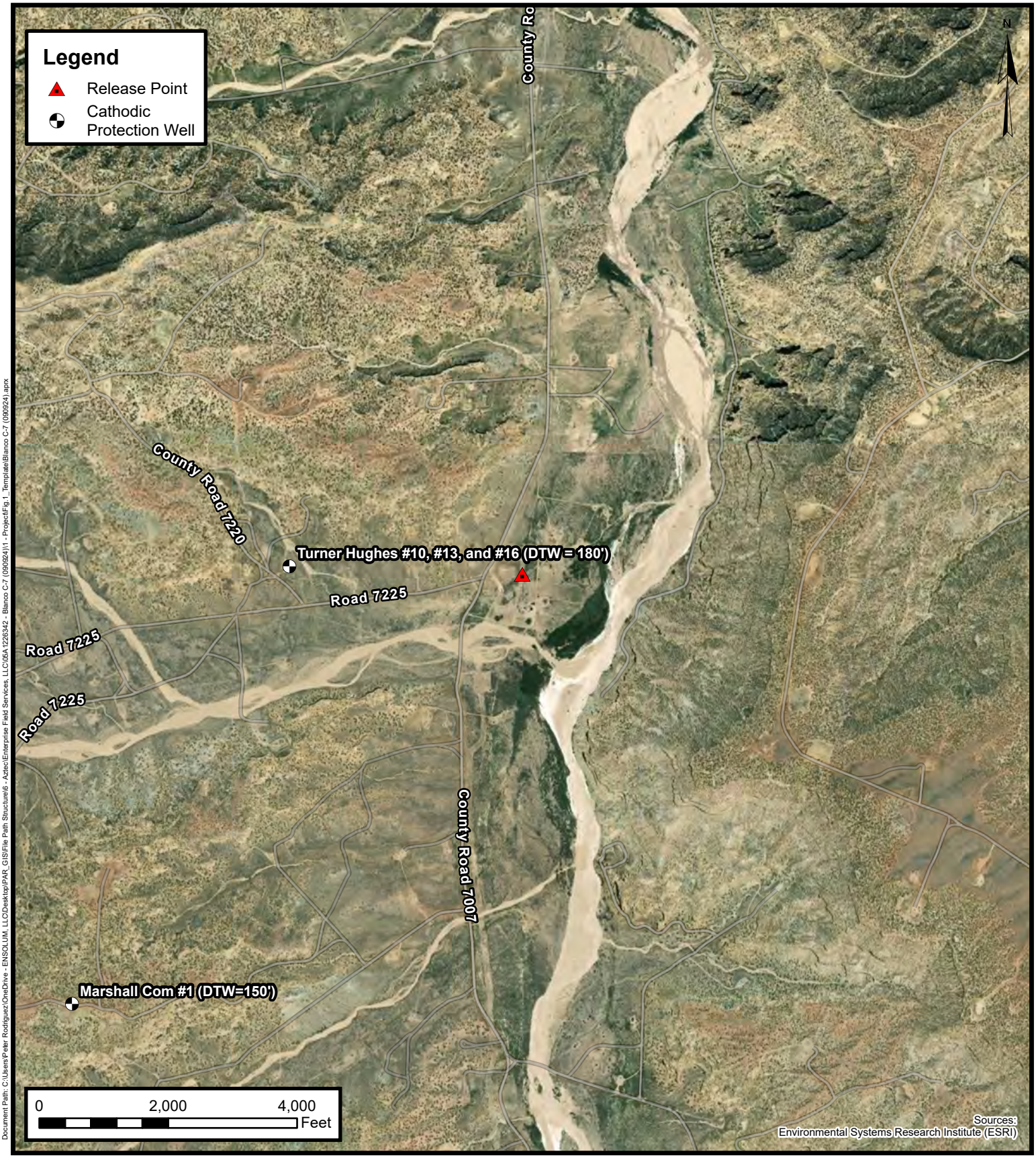
1.0 Mile Radius Water Well / POD Location Map

Enterprise Field Services, LLC
Blanco C-7 (09/11/24)
Project Number: 05A1226342
Unit Letter F, S12 T27N R9W, San Juan County, New Mexico
36.59193, -107.74042

FIGURE

A



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Cathodic Protection Well
Recorded Depth to Water
Enterprise Field Services, LLC
Blanco C-7 (09/11/24)
Project Number: 05A1226342
Unit Letter F, S12 T27N R9W, San Juan County, New Mexico
36.59193, -107.74042

FIGURE
B

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300 Foot Radius Watercourse and Drainage Identification
Enterprise Field Services, LLC
Blanco C-7 (09/11/24)
Project Number: 05A1226342
Unit Letter F, S12 T27N R9W, San Juan County, New Mexico
36.59193, -107.74042

FIGURE
C

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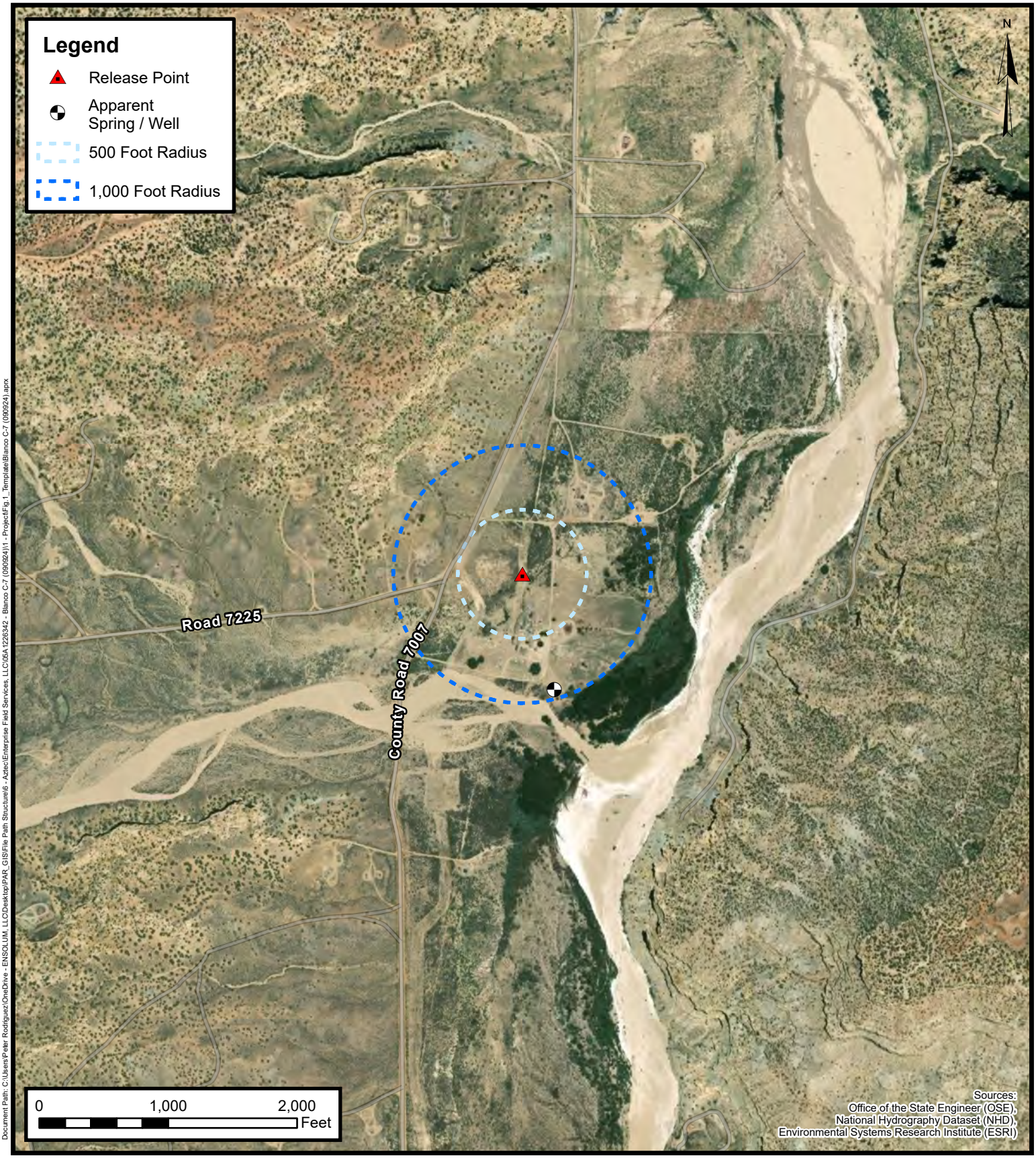
300 Foot Radius Occupied Structure Identification

Enterprise Field Services, LLC
Blanco C-7 (09/11/24)
Project Number: 05A1226342
Unit Letter F, S12 T27N R9W, San Juan County, New Mexico
36.59193, -107.74042

FIGURE

D



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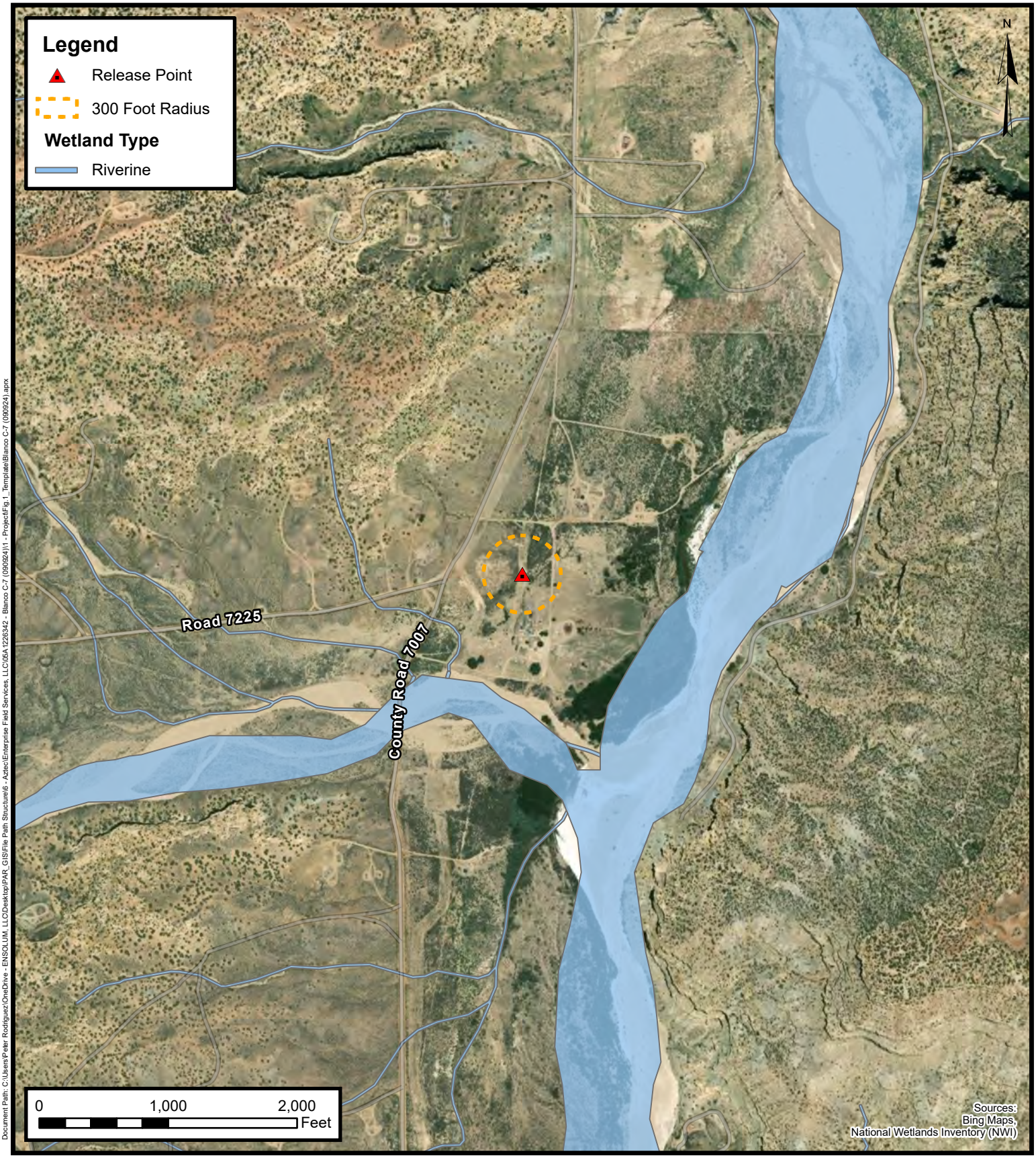
Water Well and Natural Spring Location

Enterprise Field Services, LLC
Blanco C-7 (09/11/24)
Project Number: 05A1226342
Unit Letter F, S12 T27N R9W, San Juan County, New Mexico
36.59193, -107.74042

FIGURE
E



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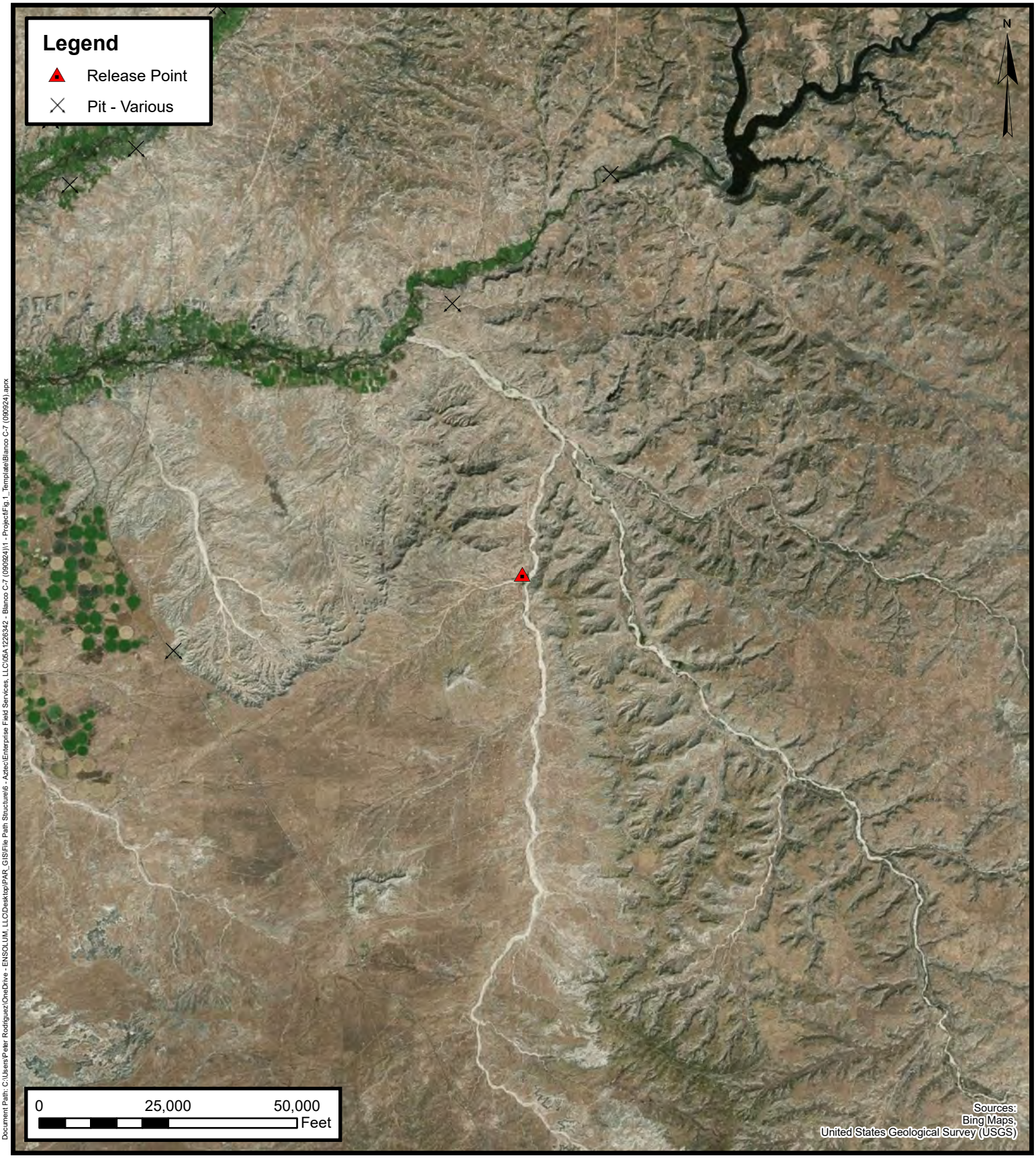
Wetlands

Enterprise Field Services, LLC
Blanco C-7 (09/11/24)
Project Number: 05A1226342
Unit Letter F, S12 T27N R9W, San Juan County, New Mexico
36.59193, -107.74042

FIGURE
F



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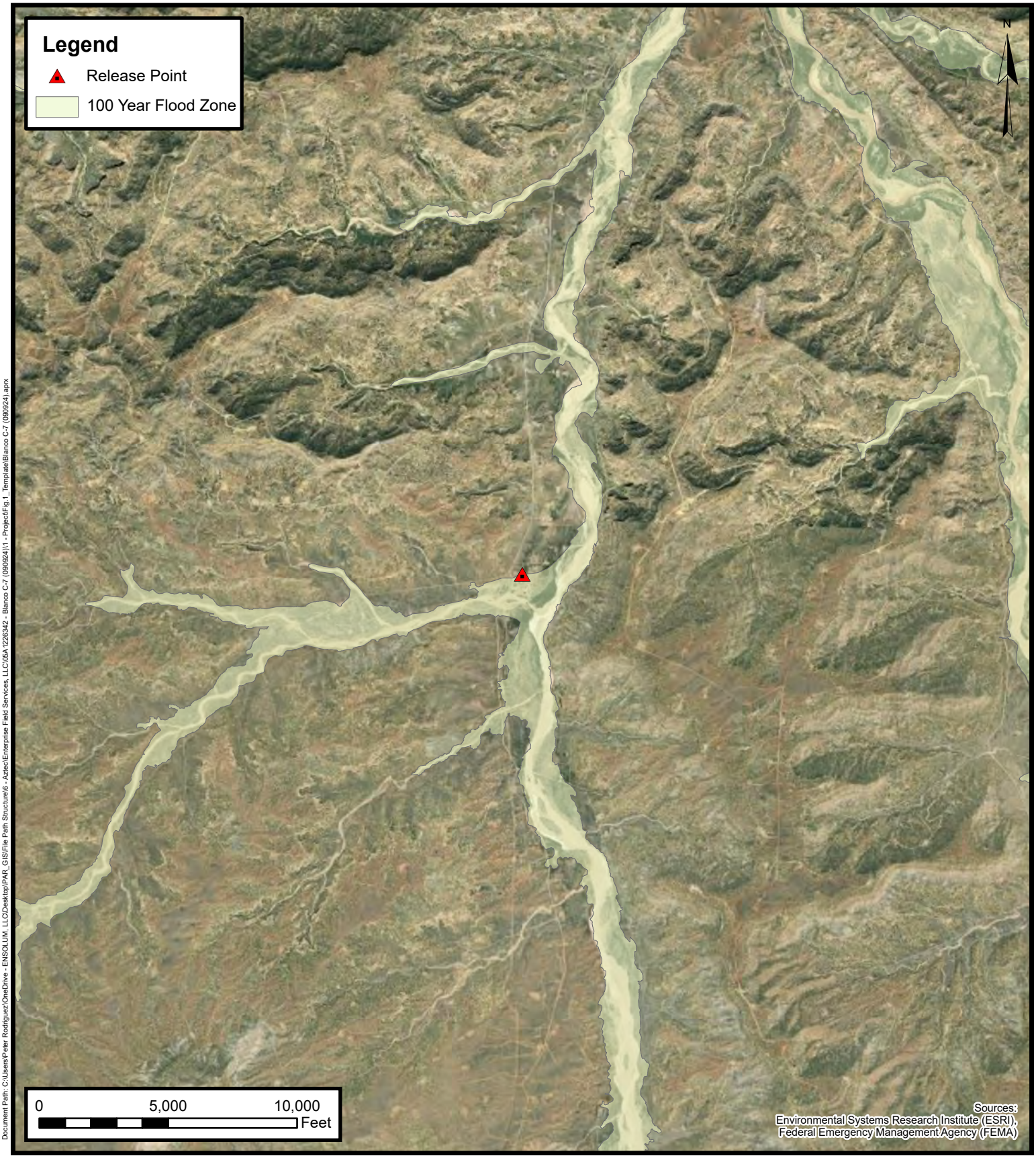
Mines, Mills, and Quarries

Enterprise Field Services, LLC
Blanco C-7 (09/11/24)
Project Number: 05A1226342
Unit Letter F, S12 T27N R9W, San Juan County, New Mexico
36.59193, -107.74042

FIGURE
G



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100-Year Flood Plain Map

Enterprise Field Services, LLC
Blanco C-7 (09/11/24)
Project Number: 05A1226342
Unit Letter F, S12 T27N R9W, San Juan County, New Mexico
36.59193, -107.74042

FIGURE
H

New Mexico Office of the State Engineer

Water Column/Average Depth to Water

No report data available.

Basin/County Search:
Basin: SJ

PLSS Search:
Range: 09W
Township: 27N
Section: 1,2,11,12,13,14

*** UTM location was derived from PLSS - see Help**

New Mexico Office of the State Engineer

Water Column/Average Depth to Water

No report data available.

Basin/County Search:
Basin: SJ

PLSS Search:
Range: 08W
Township: 27N
Section: 6,7,8

*** UTM location was derived from PLSS - see Help**

16 - 30-045-11874
2643W 13 - 30-045-06683
10 - 30-045-06710

DATA SHEET FOR DEEP GROUND BED CATHODIC PROTECTION WELLS
NORTHWESTERN NEW MEXICO

Operator Meridian Oil Location: Unit 11 Sec. 11 Twp 27 Rng 6

Name of Well/Wells or Pipeline Serviced Turner Hughes #16
#13 & #10

Elevation ____ Completion Date ____ Total Depth ____ Land Type ____

Casing Strings, Sizes, Types & Depths 99' of 8" PVC surface
CASING

If Casing Strings are cemented, show amounts & types used Yes with
25 bags cement

If Cement or Bentonite Plugs have been placed, show depths & amounts used
No

Depths & thickness of water zones with description of water: Fresh, Clear,
Salty, Sulphur, Etc. Damp 145' water 180'

Depths gas encountered: No

Ground bed depth with type & amount of coke breeze used: 474' with
6500 lbs Loresco Type SW

Depths anodes placed: 455, 445, 410, 340, 330, 300, 290, 280, 255, 245, 235, 225, 215, 205, 195

Depths vent pipes placed: 474'

Vent pipe perforations: bottom 320'

Remarks:

RECEIVED
JAN 20 1995
OIL CON. DIV.
DIST. 3

If any of the above data is unavailable, please indicate so. Copies of all logs, including Drillers Log, Water Analyses & Well Bore Schematics should be submitted when available. Unplugged abandoned wells are to be included.

Land Type may be shown: F-Federal; I-Indian; S-State; P-Fee.
If Federal or Indian, add Lease Number.

3523

DATA SHEET FOR DEEP GROUND BED CATHODIC PROTECTION WELLS
NORTHWESTERN NEW MEXICO
(Submit 3 copies to OCD Aztec Office)

30-045-06530

Operator MERIDIAN OIL INC. Location: Unit L Sec. 14 Twp 27 Rng 9

Name of Well/Wells or Pipeline Serviced MARSHALL #1

cps 2025w

Elevation 6257' Completion Date 10/26/88 Total Depth 460' Land Type* N/A

Casing, Sizes, Types & Depths N/A

If Casing is cemented, show amounts & types used N/A

If Cement or Bentonite Plugs have been placed, show depths & amounts used

N/A

Depths & thickness of water zones with description of water when possible:

Fresh, Clear, Salty, Sulphur, Etc. 150'

Depths gas encountered: N/A

Type & amount of coke breeze used: N/A

Depths anodes placed: 410', 402', 394', 386', 378', 370', 362', 354', 346', 335'

Depths vent pipes placed: 450'

Vent pipe perforations: 320'

Remarks: gb #1

RECEIVED
MAY 31 1991
OIL CON. DIV.
DIST. 3

If any of the above data is unavailable, please indicate so. Copies of all logs, including Drillers Log, Water Analyses & Well Bore Schematics should be submitted when available. Unplugged abandoned wells are to be included

*Land Type may be shown: F-Federal; I-Indian; S-State; P-Fee.
If Federal or Indian, add Lease Number.

FM-07-0238 (Rev. 10-82)

WELL CASING

CATHODIC PROTECTION CONSTRUCTION REPORT

DAILY LOG

COMP 10-2788

Drilling Log (Attach Hereto) ☐

Completion Date 10/26/88

CPS #	Well Name, Line or Plant:	Work Order #	Static:	Ins. Union Check
2025W	MARSHALL #1	51613A	.78V 600' W	☒ Good ☐ Bad

Location:	Anode Size:	Anode Type:	Size Bit:
L-14-27-9	2" x 60"	DURI-ON	6 3/4"

Depth Drilled	Depth Logged	Drilling Rig Time	Total Lbs. Coke Used	Lost Circulation Mat'l Used	No. Sacks Mud Used
460	450				

	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10
Anode Depth	410	402	394	386	378	370	362	354	346	335
Anode Output (Amps)	5.4	5.3	5.9	6.4	5.5	5.8	4.0	3.4	4.1	4.0

	#11	#12	#13	#14	#15	#16	#17	#18	#19	#20
Anode Depth										
Anode Output (Amps)										

Total Circuit Resistance				No. 8 C.P. Cable Used	No. 2 C.P. Cable Used
Volts 11.8	Amps 20.0	Ohms .55			

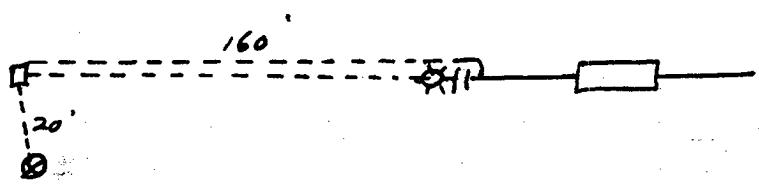
Remarks: WATER AT 150', TOOK WATER SAMPLE, INSTALLED 450' of 1" P.V.C. VENT PIPE, PERFERATED 320'. COULD NOT GET ANY CUTTING OUT OF HOLE AFTER 300'.

LAYED 1/2" FUEL LINE IN WIRE DITCH.

	G.B.	$4170.00
~~Rectifier Size~~: T.R.G.	V ____ A	7695.00
Addn'l Depth	0	
Depth Credit:	-50' 3.50	-175.00 ✓
Extra Cable:	190' .25	47.50 ✓
Ditch & 1 Cable:	180' .75	135.00 ✓
~~Ditch & 2 Cable~~:		
25' Meter Pole:	0	
20' Meter Pole:	0	
10' Stub Pole:	0	
Junction Box:	1	249.00
		$12121.50 ✓
	TAX	606.08 ✓
	TOTAL	$ 12727.58 ORIG

All Construction Completed

J C Hall
(Signature)



6057

D. Crass DRILLING CO.

Drill No. 3 2025

DRILLER'S WELL LOG

S. P. No. Marshall #1 Date 10-26-88

Client Meridian Oil Co. Prospect

County San Juan State New Mex.

If hole is a redrill or if moved from original staked position show distance and direction moved:

FROM	TO	FORMATION — COLOR — HARDNESS
0	90	Sandstone
90	135	Shale
135	155	Sand
155	165	Sandy Shale
165	215	Sandstone
215	245	Shale
245	270	Sandstone
270	420	Shale
420	460	Sandstone

Mud Bran Lime

Rock Bit Number Make

Remarks: Water @ 150'

Driller Lonnie Brown

2- 30-045-06598

4- 30-045-20338

DATA SHEET FOR DEEP GROUND BED CATHODIC PROTECTION WELLS
NORTHWESTERN NEW MEXICO
(Submit 3 copies to OCD Aztec Office)

6- 30-045-06678 7- 30-045-13037

Operator UNOCAL **Location: Unit** ___ **Sec.** 7 **Twp** 27 **Rng** 8

Name of Well/Wells or Pipeline Serviced Day "B" 2, 4, 6, & 7

Elevation 6789' **Completion Date** 2/27/91 **Total Depth** 300' **Land Type*** F

Casing, Sizes, Types & Depths N/A

If Casing is cemented, show amounts & types used N/A

If Cement or Bentonite Plugs have been placed, show depths & amounts used

N/A

Depths & thickness of water zones with description of water when possible:

Fresh, Clear, Salty, Sulphur, Etc. Moisture only

Depths gas encountered: N/A

Type & amount of coke breeze used: Carbo-40, 99.9% Carbon=2466 lbs.

Depths anodes placed: 150', 160', 170', 180', 190', 200'

Depths vent pipes placed: 0 to 300' deep

Vent pipe perforations: Laser cut slots from 100' to 300' deep

Remarks: First Ground Bed Installed at this Location

RECEIVED
MAR1 9 1991
OIL CON. DIV.
DIST. 3

If any of the above data is unavailable, please indicate so. Copies of all logs, including Drillers Log, Water Analyses & Well Bore Schematics should be submitted when available. Unplugged abandoned wells are to be included

*Land Type may be shown: F-Federal; I-Indian; S-State; P-Fee.
If Federal or Indian, add Lease Number.

A LUKENS COMPANY

CP# 751-00084 WELL NAME: Day 2B "PM" LOCATION: T-27-8 DATE: 2-27-91

TOTAL VOLTS: 12.3 TOTAL AMPS: 5.1 CIRC RESISTANCE: 2.41

DEEP	LOG ANOD	ANODE NO.	DEEP	LOG ANODE	ANODE NO.	DEEP	LOG ANODE	ANODE No.	DEEP	LOG ANODE	ANODE No.
5			105	4.1	2	305			545		
10			190	4.5		310			550		
15			195	4.6	1	315			555		
20			200	3.4		300			560		
25			205	3.4		305			565		
30			210	3.5		390			570		
35			215	2.8		395			575		
40			220	2.7		400			580		
45			225	2.6		405			585		
50			230	2.2		410			590		
55			235	2.2		415			595		
60			240	2.2		420			600		
65			245	3.0		425			605		
70			250	2.3		430			610		
75			255	2.0		435			615		
80			260	2.9		440			620		
85			265	2.2		445			625		
90			270	1.9		450			630		
95			275	2.8		455			635		
100			280	2.0		460			640		
105			285	1.9		465			645		
110			290	2.0		470			650		
115			295	2.1		475			655		
120			300	TP		480			660		
125			305			485			665		
130			310			490			670		
135	4.6		315			495			675		
140	4.5		320			500			680		
145	4.8		325			505			685		
150	4.9	6	330			510			690		
155	5.0	5	335			515			695		
160	4.8	5i	340			520			700		
165	4.9	d	345			525			705		
170	4.8	4a	350			530			710		
175	4.5		355			535			715		
180	4.7	3	360			540			720		

ANODE READINGS

NO.	DEPTH	NO COKE	WITH COKE
1	195	4.6	5.1

REMARKS: 300' - Dia 6" (200 Allvent) — Ha 2-27-91 have a bridge about 100'

MO-TE DRILLING, INC.

DAY Wednesday

DRILLER Jack | LEFT TOWN 7:00 ARRIVED FIELD 8:00

HELPER Jason | LEFT FIELD 8:00 ARRIVED TOWN 7:00

HELPER Donald | TOTAL FOOTAGE TODAY

RIG NO. 205 DATE 2-27-91 CLIENT CPS

BEGIN WORK ON HOLE NO. Day 2-B "PM" AT FEET

BEGIN WORK ON HOLE NO. AT FEET

TIME FROM	TIME TO	ACTIVITY
0	108	Sandstone, brown, gray, soft
108	186	Shale, gray, soft
186	300	Sandstone, tray, hard
300		T. D.

BIT RECORD SIZE & MAKE	SERIAL NO.	FOOTAGE
1-Set	6" Blades	

CIRCULATION MATERIAL QUAN.	UNIT	MATERIAL

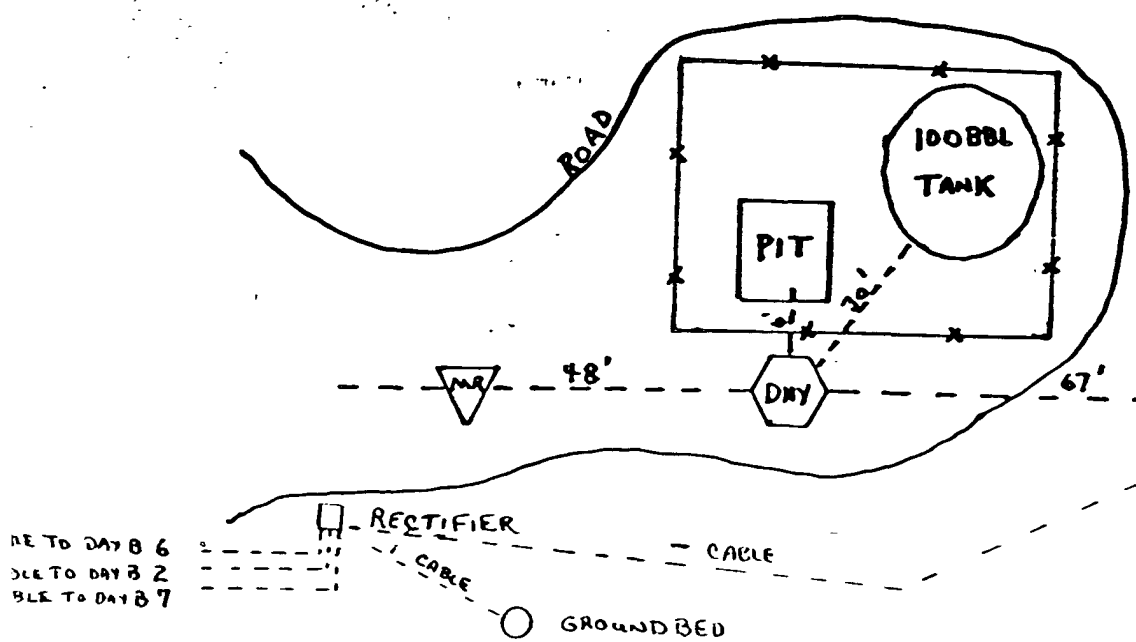
NO. OF LOADS OF WATER SOURCE

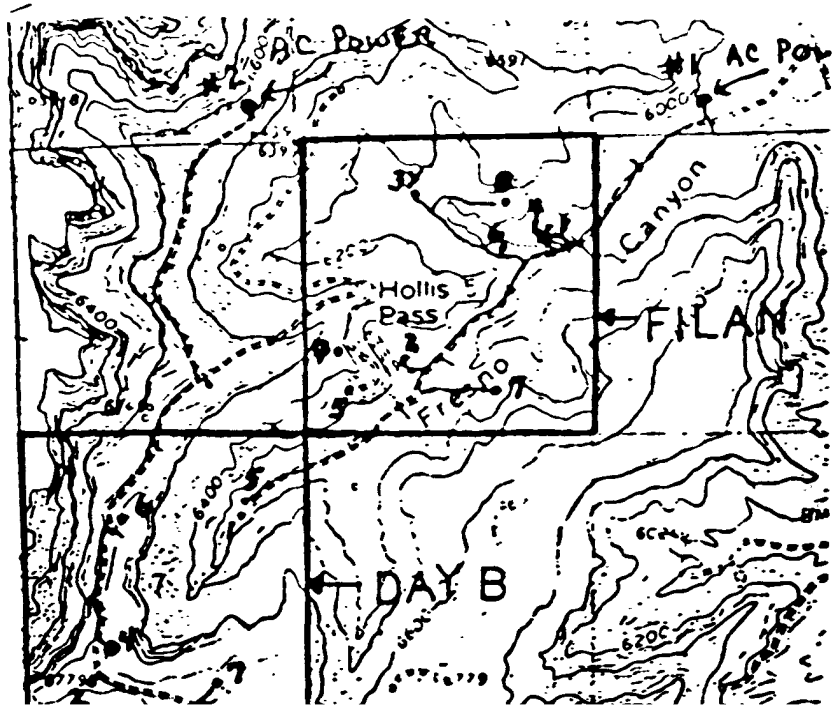
san juan repr farm,nm Form 219-6

UNOCAL

DAY B 4 DK
NE/SW SEC 7 T27N R8W NMP
METER NO. 75942
SF-078571

N





BURIED DC CABLE IN ROAD

● LOCATION OF GROUNDBED & RECTIFIER

ENSOLUM

APPENDIX C

Executed C-138 Solid Waste Acceptance Form

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

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

Form C-138
Revised 08/01/11

*Surface Waste Management Facility Operator and Generator shall maintain and make this documentation available for Division inspection.

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. Generator Name and Address:
Enterprise Field Services, LLC, 614 Reilly Ave, Farmington NM 87401

PayKey:AM14058
PM: ME Eddleman
AFE: N74640

2. Originating Site:
Blanco C-7

3. Location of Material (Street Address, City, State or ULSTR):
UL F Section 12 T27N R9W;36.591930, -107.740420

4. Source and Description of Waste:
Source: Remediation activities associated with a natural gas pipeline leak.
Description: Hydrocarbon/Condensate impacted soil associated natural gas pipeline release.
Estimated Volume 50 yd^3 / bbls Known Volume (to be entered by the operator at the end of the haul) 408/45 yd^3 / bbls

5. GENERATOR CERTIFICATION STATEMENT OF WASTE STATUS

I, Thomas Long Thomas Long, representative or authorized agent for Enterprise Products Operating do hereby
Generator Signature
certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is: (Check the appropriate classification)

☒ RCRA Exempt: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste. ***Operator Use Only: Waste Acceptance Frequency*** ☐ ***Monthly*** ☐ ***Weekly*** ☐ ***Per Load***

☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items)

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description in Box 4)

GENERATOR 19.15.36.15 WASTE TESTING CERTIFICATION STATEMENT FOR LANDFARMS

I, Thomas Long Thomas Long 9-9-2024, representative for Enterprise Products Operating authorizes Envirotech, Inc. to complete
Generator Signature
the required testing/sign the Generator Waste Testing Certification.

I, Greg Crabtree, representative for Envirotech, Inc. do hereby certify that representative samples of the oil field waste have been subjected to the paint filter test and tested for chloride content and that the samples have been found to conform to the specific requirements applicable to landfarms pursuant to Section 15 of 19.15.36 NMAC. The results of the representative samples are attached to demonstrate the above-described waste conform to the requirements of Section 15 of 19.15.36 NMAC.

5. Transporter: TBD

OCD Permitted Surface Waste Management Facility

Name and Facility Permit #: **Envirotech Inc. Soil Remediation Facility * Permit #: NM 01-0011**
Address of Facility: **Hilltop, NM**
Method of Treatment and/or Disposal:
☐ Evaporation ☐ Injection ☐ Treating Plant ☒ Landfarm ☐ Landfill ☐ Other

Waste Acceptance Status: ☐ **APPROVED** ☐ **DENIED** (Must Be Maintained As Permanent Record)

PRINT NAME: Greg Crabtree TITLE: Enviro Manager DATE: 9/10/24
SIGNATURE: Greg Crabtree TELEPHONE NO.: 505-632-0615
Surface Waste Management Facility Authorized Agent

ENSOLUM

APPENDIX D

Photographic Documentation

SITE PHOTOGRAPHS

Closure Report
Enterprise Field Services, LLC
Blanco C-7 (09/11/24)
Ensolum Project No. 05A1226342

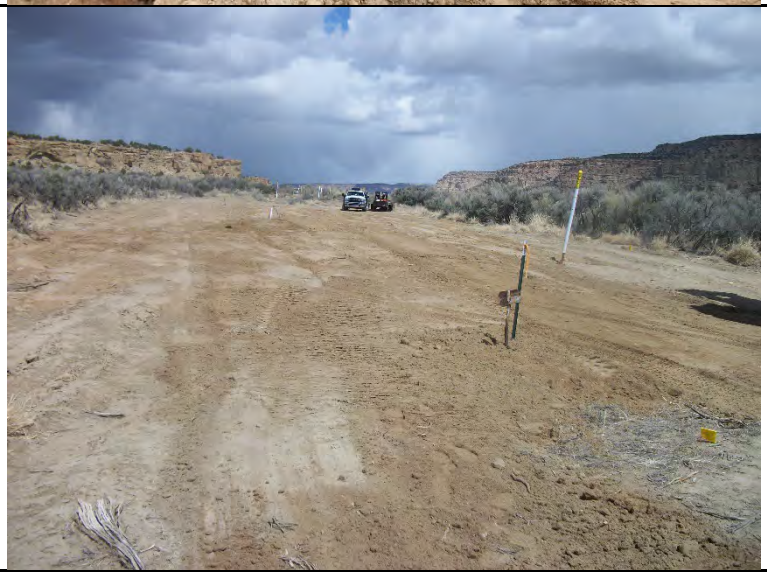
ENSOLUM

Photograph 1 Photograph Description: View of the final excavation.	
Photograph 2 Photograph Description: View of the final excavation.	
Photograph 3 Photograph Description: View of the final excavation.	

SITE PHOTOGRAPHS

Closure Report
Enterprise Field Services, LLC
Blanco C-7 (09/11/24)
Ensolum Project No. 05A1226342

ENSOLUM

Photograph 4 Photograph Description: View of the final excavation.	
Photograph 4 Photograph Description: View of the final excavation.	

ENSOLUM

APPENDIX E

Regulatory Correspondence

From: OCDOnline@state.nm.us <OCDOnline@state.nm.us>
Sent: Thursday, September 12, 2024 12:52 PM
To: Long, Thomas <tjlong@eprod.com>
Subject: [EXTERNAL] The Oil Conservation Division (OCD) has accepted the application, Application ID: 383133

[Use caution with links/attachments]

To whom it may concern (c/o Thomas Long for Enterprise Field Services, LLC),

The OCD has received the submitted *Notification for (Final) Sampling of a Release* (C-141N), for incident ID (n#) nAPP2425553609.

The sampling event is expected to take place:

When: 09/13/2024 @ 09:00
Where: F-12-27N-09W 0 FNL 0 FEL (36.59193,-107.74042)

Additional Information: Ensolum, LLC

Additional Instructions: 36.59193,-107.74042

An OCD representative may be available onsite at the date and time reported. In the absence or presence of an OCD representative, sampling pursuant to 19.15.29.12.D NMAC is required. Sampling must be performed following an approved sampling plan or pursuant to 19.15.29.12.D.(1).(c) NMAC. Should there be a change in the scheduled date and time of the

sampling event, then another notification should be resubmitted through OCD permitting as soon as possible.

- **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.**

If you have any questions regarding this application, or don't know why you have received this email, please contact us.

New Mexico Energy, Minerals and Natural Resources Department
1220 South St. Francis Drive
Santa Fe, NM 87505

From: OCDOnline@state.nm.us <OCDOnline@state.nm.us>
Sent: Tuesday, April 1, 2025 12:54 PM
To: Long, Thomas <tjlong@eprod.com>
Subject: [EXTERNAL] The Oil Conservation Division (OCD) has accepted the application, Application ID: 447305

[Use caution with links/attachments]

To whom it may concern (c/o Thomas Long for Enterprise Field Services, LLC),

The OCD has received the submitted *Notification for (Final) Sampling of a Release* (C-141N), for incident ID (n#) nAPP2425553609.

The sampling event is expected to take place:

When: 04/03/2025 @ 13:00
Where: F-12-27N-09W 0 FNL 0 FEL (36.59193,-107.74042)

Additional Information: Ensolum, LLC

Additional Instructions: 36.59193,-107.74042

An OCD representative may be available onsite at the date and time reported. In the absence or presence of an OCD representative, sampling pursuant to 19.15.29.12.D NMAC is required. Sampling must be performed following an approved sampling plan or pursuant to 19.15.29.12.D.(1).(c) NMAC. Should there be a change in the scheduled date and time of the sampling event, then another notification should be resubmitted through OCD permitting as soon as possible.

- **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.**

If you have any questions regarding this application, or don't know why you have received this email, please contact us.

New Mexico Energy, Minerals and Natural Resources Department
1220 South St. Francis Drive
Santa Fe, NM 87505

ENSOLUM

APPENDIX F

Table 1 – Soil Analytical Summary

ENSOLUM

TABLE 1
Blanco C-7 (09/11/24) SOIL
ANALYTICAL SUMMARY

Sample I.D.	Date	Sample Type C- Composite G - Grab	Sample Depth (feet)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylenes (mg/kg)	Total BTEX[1] (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH MRO (mg/kg)	Total Combined TPH (GRO/DRO/MRO)[1] (mg/kg)	Chloride (mg/kg)
New Mexico Energy, Mineral & Natural Resources Department Oil Conservation Division Closure Criteria (Tier I)				**10**	**NE**	**NE**	**NE**	**50**	**NE**	**NE**	**NE**	**100**	**600**
Composite Soil Samples Removed by Excavation													
S-1	09.12.24	C	14	<0.072	<0.14	0.17	1.1	1.3	32	670	440	**1,100**	310
Excavation Composite Soil Samples													
S-2	09.13.24	C	0 to 14	<0.019	<0.039	<0.039	<0.077	ND	<3.9	<9.6	<48	ND	370
S-3	09.13.24	C	0 to 14	<0.021	<0.042	<0.042	<0.083	ND	<4.2	<9.1	<45	ND	330
S-4	09.13.24	C	0 to 14	<0.018	<0.036	<0.036	<0.071	ND	<3.6	<9.4	<47	ND	360
S-5	09.13.24	C	0 to 14	<0.018	<0.037	<0.037	<0.074	ND	<3.7	<9.0	<45	ND	79
S-6	09.13.24	C	0 to 14	<0.019	<0.038	<0.038	<0.076	ND	<3.8	22	<48	22	290
S-7	09.13.24	C	0 to 14	<0.016	<0.032	<0.032	<0.063	ND	<3.2	<9.5	<48	ND	360
S-8	09.13.24	C	0 to 14	<0.016	<0.032	<0.032	<0.063	ND	<3.2	<9.4	<47	ND	<60
S-9	09.13.24	C	0 to 14	<0.020	<0.041	<0.041	<0.081	ND	<4.1	<9.5	<48	ND	87
S-10	09.16.24	C	14	<0.015	<0.029	<0.029	<0.059	ND	<2.9	<9.5	<48	ND	240
S-11	09.16.24	C	14	<0.018	<0.036	<0.036	<0.071	ND	<3.6	<9.8	<49	ND	260
Backfill Composite Soil Samples													
BF-1	04.03.25	C	BF-1	<0.018	<0.037	<0.037	<0.074	ND	<3.7	<9.8	<49	ND	<59

*Note: Concentrations in **bold** and yellow exceed the applicable NM EMNRD Closure Criteria*

[1] = Total combined concentrations are rounded to two (2) significant figures to match the laboratory resolution of the individual constituents.

ND = Not Detected above the Practical Quantitation Limits (PQLs) or Reporting Limits (RLs)

NE = Not established

mg/kg = milligrams per kilogram

BTEX = Benzene, Toluene, Ethylbenzene, and Xylenes

TPH = Total Petroleum Hydrocarbons

GRO = Gasoline Range Organics

DRO = Diesel Range Organics

MRO = Motor Oil/Lube Oil Range Organics

BF = Backfill sample

ENSOLUM

APPENDIX G

Laboratory Data Sheets & Chain of Custody Documentation

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Kyle Summers
Ensolum
606 S Rio Grande
Suite A
Aztec, New Mexico 87410

Generated 9/19/2024 3:29:35 PM

JOB DESCRIPTION

Blanco C-7 (09/06/24)

JOB NUMBER

885-11752-1

Eurofins Albuquerque
4901 Hawkins NE
Albuquerque NM 87109

See page two for job notes and contact information.

Eurofins Albuquerque

Job Notes

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing South Central, LLC Project Manager.

Authorization

Generated
9/19/2024 3:29:35 PM

Authorized for release by
John Caldwell, Project Manager
john.caldwell@et.eurofinsus.com
(505)345-3975

Client: Ensolum
Project/Site: Blanco C-7 (09/06/24)

Laboratory Job ID: 885-11752-1

Table of Contents

Definitions/Glossary

Client: Ensolum Job ID: 885-11752-1
Project/Site: Blanco C-7 (09/06/24)

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: Ensolum Job ID: 885-11752-1
Project: Blanco C-7 (09/06/24)

Job ID: 885-11752-1 Eurofins Albuquerque

Job Narrative
885-11752-1

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 sample was received on 9/13/2024 7:15 AM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.7°C.

Gasoline Range Organics
Method 8015D_GRO: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 885-12201 and analytical batch 885-12233 were outside control limits. Sample matrix interference is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

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

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

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

Client Sample Results

Client: Ensolum
Job ID: 885-11752-1
Project/Site: Blanco C-7 (09/06/24)

Client Sample ID: S-1
Lab Sample ID: 885-11752-1
Date Collected: 09/12/24 11:00
Matrix: Solid
Date Received: 09/13/24 07:15

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	**32**		14		mg/Kg		09/13/24 08:38	09/13/24 12:53	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*170*		*35 - 166*	*09/13/24 08:38*	*09/13/24 12:53*	*5*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.072		mg/Kg		09/13/24 08:38	09/13/24 12:53	5
Ethylbenzene	**0.17**		0.14		mg/Kg		09/13/24 08:38	09/13/24 12:53	5
Toluene	ND		0.14		mg/Kg		09/13/24 08:38	09/13/24 12:53	5
Xylenes, Total	**1.1**		0.29		mg/Kg		09/13/24 08:38	09/13/24 12:53	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*125*		*48 - 145*	*09/13/24 08:38*	*09/13/24 12:53*	*5*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**670**		9.7		mg/Kg		09/13/24 08:48	09/13/24 10:06	1
Motor Oil Range Organics [C28-C40]	**440**		49		mg/Kg		09/13/24 08:48	09/13/24 10:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*69*		*62 - 134*	*09/13/24 08:48*	*09/13/24 10:06*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**310**		60		mg/Kg		09/13/24 09:02	09/13/24 10:11	20

QC Sample Results

Client: Ensolum
Project/Site: Blanco C-7 (09/06/24)

Job ID: 885-11752-1

Method: 8015M/D - Gasoline Range Organics (GRO) (GC)

Lab Sample ID: LCS 885-12201/2-A
Matrix: Solid
Analysis Batch: 12233

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 12201

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics [C6 - C10]			25.0	25.5		mg/Kg		102	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*221*		*35 - 166*

Lab Sample ID: 885-11752-1 MS
Matrix: Solid
Analysis Batch: 12233

Client Sample ID: S-1
Prep Type: Total/NA
Prep Batch: 12201

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics [C6 - C10]	32		14.4	105		mg/Kg		513	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*277*		*35 - 166*

Lab Sample ID: 885-11752-1 MSD
Matrix: Solid
Analysis Batch: 12233

Client Sample ID: S-1
Prep Type: Total/NA
Prep Batch: 12201

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics [C6 - C10]	32		14.4	104		mg/Kg		501	70 - 130	2	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*281*		*35 - 166*

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 885-12201/1-A
Matrix: Solid
Analysis Batch: 12234

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 12201

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025		mg/Kg		09/13/24 08:38	09/13/24 12:10	1
Ethylbenzene	ND		0.050		mg/Kg		09/13/24 08:38	09/13/24 12:10	1
Toluene	ND		0.050		mg/Kg		09/13/24 08:38	09/13/24 12:10	1
Xylenes, Total	ND		0.10		mg/Kg		09/13/24 08:38	09/13/24 12:10	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*48 - 145*	*09/13/24 08:38*	*09/13/24 12:10*	*1*

QC Sample Results

Client: Ensolum
Job ID: 885-11752-1
Project/Site: Blanco C-7 (09/06/24)

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

Lab Sample ID: LCS 885-12201/3-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 12234 — **Prep Batch: 12201**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	1.00	1.07		mg/Kg		107	70 - 130
Ethylbenzene	1.00	1.08		mg/Kg		108	70 - 130
Toluene	1.00	1.08		mg/Kg		108	70 - 130
Xylenes, Total	3.00	3.23		mg/Kg		108	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*113*		*48 - 145*

Method: 8015M/D - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 885-12202/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 12209 — **Prep Batch: 12202**

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		10	mg/Kg		09/13/24 08:48	09/13/24 09:42	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		09/13/24 08:48	09/13/24 09:42	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*89*		*62 - 134*	*09/13/24 08:48*	*09/13/24 09:42*	*1*

Lab Sample ID: LCS 885-12202/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 12209 — **Prep Batch: 12202**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics [C10-C28]	50.0	43.1		mg/Kg		86	60 - 135

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Di-n-octyl phthalate (Surr)	*87*		*62 - 134*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 885-12203/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 12227 — **Prep Batch: 12203**

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		3.0	mg/Kg		09/13/24 09:02	09/13/24 09:45	1

Lab Sample ID: LCS 885-12203/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 12227 — **Prep Batch: 12203**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	30.0	31.7		mg/Kg		106	90 - 110

QC Association Summary

Client: Ensolum
Job ID: 885-11752-1
Project/Site: Blanco C-7 (09/06/24)

GC VOA

Prep Batch: 12201

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-11752-1	S-1	Total/NA	Solid	5035	
MB 885-12201/1-A	Method Blank	Total/NA	Solid	5035	
LCS 885-12201/2-A	Lab Control Sample	Total/NA	Solid	5035	
LCS 885-12201/3-A	Lab Control Sample	Total/NA	Solid	5035	
885-11752-1 MS	S-1	Total/NA	Solid	5035	
885-11752-1 MSD	S-1	Total/NA	Solid	5035	

Analysis Batch: 12233

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-11752-1	S-1	Total/NA	Solid	8015M/D	12201
LCS 885-12201/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	12201
885-11752-1 MS	S-1	Total/NA	Solid	8015M/D	12201
885-11752-1 MSD	S-1	Total/NA	Solid	8015M/D	12201

Analysis Batch: 12234

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-11752-1	S-1	Total/NA	Solid	8021B	12201
MB 885-12201/1-A	Method Blank	Total/NA	Solid	8021B	12201
LCS 885-12201/3-A	Lab Control Sample	Total/NA	Solid	8021B	12201

GC Semi VOA

Prep Batch: 12202

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-11752-1	S-1	Total/NA	Solid	SHAKE	
MB 885-12202/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 885-12202/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	

Analysis Batch: 12209

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-11752-1	S-1	Total/NA	Solid	8015M/D	12202
MB 885-12202/1-A	Method Blank	Total/NA	Solid	8015M/D	12202
LCS 885-12202/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	12202

HPLC/IC

Prep Batch: 12203

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-11752-1	S-1	Total/NA	Solid	300_Prep	
MB 885-12203/1-A	Method Blank	Total/NA	Solid	300_Prep	
LCS 885-12203/2-A	Lab Control Sample	Total/NA	Solid	300_Prep	

Analysis Batch: 12227

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-11752-1	S-1	Total/NA	Solid	300.0	12203
MB 885-12203/1-A	Method Blank	Total/NA	Solid	300.0	12203
LCS 885-12203/2-A	Lab Control Sample	Total/NA	Solid	300.0	12203

Lab Chronicle

Client: Ensolum
Job ID: 885-11752-1
Project/Site: Blanco C-7 (09/06/24)

Client Sample ID: S-1
Lab Sample ID: 885-11752-1
Date Collected: 09/12/24 11:00
Matrix: Solid
Date Received: 09/13/24 07:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			12201	AT	EET ALB	09/13/24 08:38
Total/NA	Analysis	8015M/D		5	12233	AT	EET ALB	09/13/24 12:53
Total/NA	Prep	5035			12201	AT	EET ALB	09/13/24 08:38
Total/NA	Analysis	8021B		5	12234	AT	EET ALB	09/13/24 12:53
Total/NA	Prep	SHAKE			12202	KR	EET ALB	09/13/24 08:48
Total/NA	Analysis	8015M/D		1	12209	KR	EET ALB	09/13/24 10:06
Total/NA	Prep	300_Prep			12203	EH	EET ALB	09/13/24 09:02
Total/NA	Analysis	300.0		20	12227	EH	EET ALB	09/13/24 10:11

Laboratory References:

EET ALB = Eurofins Albuquerque, 4901 Hawkins NE, Albuquerque, NM 87109, TEL (505)345-3975

Accreditation/Certification Summary

Client: Ensolum
Job ID: 885-11752-1
Project/Site: Blanco C-7 (09/06/24)

Laboratory: Eurofins Albuquerque

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Oregon	NELAP	NM100001	02-26-25

Chain-of-Custody Record

Client: Ensolum, LLC

Mailing Address: 606 S. Rio Grande, Suite A
Aztec, NM 87410

Phone #:

email or Fax#: ksummers@ensolum.com

QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other

☐ EDD (Type)

Turn-Around Time:
☐ Standard ☒ Rush 100%

Project Name: Blanco C-7 (09/06/24)

Project #: SEE NOTES

Project Manager: K. Summers

Sampler: L. Daniell

On Ice: ☒ Yes ☐ No

# of Coolers: 1 Mojo

Cooler Temp(Including CF): 1.6+0.1=1.7 (°C)

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

885-11752 COC

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	(Cl, F, Br, NO_3, NO_2, PO_4, SO_4)	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
9/6/24	11:00	S	S-1	1 4oz jar	Cool	1	X	X					X			

Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
9/12/24	1755				9/12/24	1755
9/13/24	1836			Courier	9/13/24	7:15

Remarks: PM Tom Long
RB21200
N74640

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

Login Sample Receipt Checklist

Client: Ensolum Job Number: 885-11752-1

Login Number: 11752 **List Source: Eurofins Albuquerque**
List Number: 1
Creator: Casarrubias, Tracy

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

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Kyle Summers
Ensolum
606 S Rio Grande
Suite A
Aztec, New Mexico 87410

Generated 9/19/2024 5:26:48 PM

JOB DESCRIPTION

Blanco C-7 (09/06/24)

JOB NUMBER

885-11838-1

Eurofins Albuquerque
4901 Hawkins NE
Albuquerque NM 87109

See page two for job notes and contact information.

Eurofins Albuquerque

Job Notes

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing South Central, LLC Project Manager.

Authorization

Generated
9/19/2024 5:26:48 PM

Authorized for release by
John Caldwell, Project Manager
john.caldwell@et.eurofinsus.com
(505)345-3975

Client: Ensolum
Project/Site: Blanco C-7 (09/06/24)

Laboratory Job ID: 885-11838-1

Table of Contents

Definitions/Glossary

Client: Ensolum Job ID: 885-11838-1
Project/Site: Blanco C-7 (09/06/24)

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: Ensolum Job ID: 885-11838-1
Project: Blanco C-7 (09/06/24)

Job ID: 885-11838-1 Eurofins Albuquerque

Job Narrative
885-11838-1

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 9/14/2024 6:25 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 4.4°C.

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

GC VOA
Method 8021B: Surrogate recovery for the following samples is outside the upper control limit: S-2 (885-11838-1), S-3 (885-11838-2), S-4 (885-11838-3), S-5 (885-11838-4), S-6 (885-11838-5), S-7 (885-11838-6), S-8 (885-11838-7), (CCV2 885-12329/13), (LCS 885-12292/2-A), (MB 885-12292/1-A), (885-11838-A-2-B MS) and (885-11838-A-2-C MSD). All 8021B data for 11838 analyzed on Aphrodite is ND and reportable.

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

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

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

Client Sample Results

Client: Ensolum
Project/Site: Blanco C-7 (09/06/24)

Job ID: 885-11838-1

Client Sample ID: S-2
Date Collected: 09/13/24 10:00
Date Received: 09/14/24 06:25

Lab Sample ID: 885-11838-1
Matrix: Solid

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		3.9		mg/Kg		09/16/24 10:02	09/16/24 12:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*115*		*35 - 166*	*09/16/24 10:02*	*09/16/24 12:36*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.019		mg/Kg		09/16/24 10:02	09/16/24 12:36	1
Ethylbenzene	ND		0.039		mg/Kg		09/16/24 10:02	09/16/24 12:36	1
Toluene	ND		0.039		mg/Kg		09/16/24 10:02	09/16/24 12:36	1
Xylenes, Total	ND		0.077		mg/Kg		09/16/24 10:02	09/16/24 12:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*116*		*48 - 145*	*09/16/24 10:02*	*09/16/24 12:36*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.6		mg/Kg		09/16/24 09:59	09/16/24 12:54	1
Motor Oil Range Organics [C28-C40]	ND		48		mg/Kg		09/16/24 09:59	09/16/24 12:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*99*		*62 - 134*	*09/16/24 09:59*	*09/16/24 12:54*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**370**		60		mg/Kg		09/16/24 07:46	09/16/24 12:42	20

Client Sample Results

Client: Ensolum
Project/Site: Blanco C-7 (09/06/24)

Job ID: 885-11838-1

Client Sample ID: S-3
Date Collected: 09/13/24 10:10
Date Received: 09/14/24 06:25

Lab Sample ID: 885-11838-2
Matrix: Solid

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.2		mg/Kg		09/16/24 10:02	09/16/24 12:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*119*		*35 - 166*	*09/16/24 10:02*	*09/16/24 12:58*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.021		mg/Kg		09/16/24 10:02	09/16/24 12:58	1
Ethylbenzene	ND		0.042		mg/Kg		09/16/24 10:02	09/16/24 12:58	1
Toluene	ND		0.042		mg/Kg		09/16/24 10:02	09/16/24 12:58	1
Xylenes, Total	ND		0.083		mg/Kg		09/16/24 10:02	09/16/24 12:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*48 - 145*	*09/16/24 10:02*	*09/16/24 12:58*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.1		mg/Kg		09/16/24 09:59	09/16/24 13:05	1
Motor Oil Range Organics [C28-C40]	ND		45		mg/Kg		09/16/24 09:59	09/16/24 13:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*95*		*62 - 134*	*09/16/24 09:59*	*09/16/24 13:05*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**330**		60		mg/Kg		09/16/24 07:46	09/16/24 12:55	20

Client Sample Results

Client: Ensolum
Project/Site: Blanco C-7 (09/06/24)

Job ID: 885-11838-1

Client Sample ID: S-4
Date Collected: 09/13/24 10:20
Date Received: 09/14/24 06:25

Lab Sample ID: 885-11838-3
Matrix: Solid

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		3.6		mg/Kg		09/16/24 10:02	09/16/24 13:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*115*		*35 - 166*	*09/16/24 10:02*	*09/16/24 13:20*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.018		mg/Kg		09/16/24 10:02	09/16/24 13:20	1
Ethylbenzene	ND		0.036		mg/Kg		09/16/24 10:02	09/16/24 13:20	1
Toluene	ND		0.036		mg/Kg		09/16/24 10:02	09/16/24 13:20	1
Xylenes, Total	ND		0.071		mg/Kg		09/16/24 10:02	09/16/24 13:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*114*		*48 - 145*	*09/16/24 10:02*	*09/16/24 13:20*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.4		mg/Kg		09/16/24 09:59	09/16/24 13:15	1
Motor Oil Range Organics [C28-C40]	ND		47		mg/Kg		09/16/24 09:59	09/16/24 13:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*97*		*62 - 134*	*09/16/24 09:59*	*09/16/24 13:15*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**360**		61		mg/Kg		09/16/24 07:46	09/16/24 13:34	20

Client Sample Results

Client: Ensolum
Project/Site: Blanco C-7 (09/06/24)

Job ID: 885-11838-1

Client Sample ID: S-5
Date Collected: 09/13/24 10:30
Date Received: 09/14/24 06:25

Lab Sample ID: 885-11838-4
Matrix: Solid

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		3.7		mg/Kg		09/16/24 10:02	09/16/24 13:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*114*		*35 - 166*	*09/16/24 10:02*	*09/16/24 13:42*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.018		mg/Kg		09/16/24 10:02	09/16/24 13:42	1
Ethylbenzene	ND		0.037		mg/Kg		09/16/24 10:02	09/16/24 13:42	1
Toluene	ND		0.037		mg/Kg		09/16/24 10:02	09/16/24 13:42	1
Xylenes, Total	ND		0.074		mg/Kg		09/16/24 10:02	09/16/24 13:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*118*		*48 - 145*	*09/16/24 10:02*	*09/16/24 13:42*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.0		mg/Kg		09/16/24 09:59	09/16/24 13:26	1
Motor Oil Range Organics [C28-C40]	ND		45		mg/Kg		09/16/24 09:59	09/16/24 13:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*97*		*62 - 134*	*09/16/24 09:59*	*09/16/24 13:26*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**79**		60		mg/Kg		09/16/24 07:46	09/16/24 13:47	20

Client Sample Results

Client: Ensolum
Project/Site: Blanco C-7 (09/06/24)

Job ID: 885-11838-1

Client Sample ID: S-6
Date Collected: 09/13/24 10:40
Date Received: 09/14/24 06:25

Lab Sample ID: 885-11838-5
Matrix: Solid

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		3.8		mg/Kg		09/16/24 10:02	09/16/24 14:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*115*		*35 - 166*	*09/16/24 10:02*	*09/16/24 14:04*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.019		mg/Kg		09/16/24 10:02	09/16/24 14:04	1
Ethylbenzene	ND		0.038		mg/Kg		09/16/24 10:02	09/16/24 14:04	1
Toluene	ND		0.038		mg/Kg		09/16/24 10:02	09/16/24 14:04	1
Xylenes, Total	ND		0.076		mg/Kg		09/16/24 10:02	09/16/24 14:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*48 - 145*	*09/16/24 10:02*	*09/16/24 14:04*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**22**		9.7		mg/Kg		09/16/24 09:59	09/16/24 13:47	1
Motor Oil Range Organics [C28-C40]	ND		48		mg/Kg		09/16/24 09:59	09/16/24 13:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*99*		*62 - 134*	*09/16/24 09:59*	*09/16/24 13:47*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**290**		60		mg/Kg		09/16/24 07:46	09/16/24 14:00	20

Client Sample Results

Client: Ensolum
Project/Site: Blanco C-7 (09/06/24)

Job ID: 885-11838-1

Client Sample ID: S-7
Date Collected: 09/13/24 10:50
Date Received: 09/14/24 06:25

Lab Sample ID: 885-11838-6
Matrix: Solid

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		3.2		mg/Kg		09/16/24 10:02	09/16/24 14:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*114*		*35 - 166*	*09/16/24 10:02*	*09/16/24 14:25*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.016		mg/Kg		09/16/24 10:02	09/16/24 14:25	1
Ethylbenzene	ND		0.032		mg/Kg		09/16/24 10:02	09/16/24 14:25	1
Toluene	ND		0.032		mg/Kg		09/16/24 10:02	09/16/24 14:25	1
Xylenes, Total	ND		0.063		mg/Kg		09/16/24 10:02	09/16/24 14:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*48 - 145*	*09/16/24 10:02*	*09/16/24 14:25*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.5		mg/Kg		09/16/24 09:59	09/16/24 13:58	1
Motor Oil Range Organics [C28-C40]	ND		48		mg/Kg		09/16/24 09:59	09/16/24 13:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*91*		*62 - 134*	*09/16/24 09:59*	*09/16/24 13:58*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**360**		60		mg/Kg		09/16/24 07:46	09/16/24 14:13	20

Client Sample Results

Client: Ensolum
Project/Site: Blanco C-7 (09/06/24)

Job ID: 885-11838-1

Client Sample ID: S-8
Date Collected: 09/13/24 11:00
Date Received: 09/14/24 06:25

Lab Sample ID: 885-11838-7
Matrix: Solid

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		3.2		mg/Kg		09/16/24 10:02	09/16/24 14:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*116*		*35 - 166*	*09/16/24 10:02*	*09/16/24 14:47*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.016		mg/Kg		09/16/24 10:02	09/16/24 14:47	1
Ethylbenzene	ND		0.032		mg/Kg		09/16/24 10:02	09/16/24 14:47	1
Toluene	ND		0.032		mg/Kg		09/16/24 10:02	09/16/24 14:47	1
Xylenes, Total	ND		0.063		mg/Kg		09/16/24 10:02	09/16/24 14:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*114*		*48 - 145*	*09/16/24 10:02*	*09/16/24 14:47*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.4		mg/Kg		09/16/24 09:59	09/16/24 14:08	1
Motor Oil Range Organics [C28-C40]	ND		47		mg/Kg		09/16/24 09:59	09/16/24 14:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*94*		*62 - 134*	*09/16/24 09:59*	*09/16/24 14:08*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		60		mg/Kg		09/16/24 07:46	09/16/24 14:26	20

Client Sample Results

Client: Ensolum
Project/Site: Blanco C-7 (09/06/24)

Job ID: 885-11838-1

Client Sample ID: S-9
Date Collected: 09/13/24 11:10
Date Received: 09/14/24 06:25

Lab Sample ID: 885-11838-8
Matrix: Solid

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.1		mg/Kg		09/16/24 10:11	09/16/24 12:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*35 - 166*	*09/16/24 10:11*	*09/16/24 12:16*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.020		mg/Kg		09/16/24 10:11	09/16/24 12:16	1
Ethylbenzene	ND		0.041		mg/Kg		09/16/24 10:11	09/16/24 12:16	1
Toluene	ND		0.041		mg/Kg		09/16/24 10:11	09/16/24 12:16	1
Xylenes, Total	ND		0.081		mg/Kg		09/16/24 10:11	09/16/24 12:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*48 - 145*	*09/16/24 10:11*	*09/16/24 12:16*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.5		mg/Kg		09/16/24 09:59	09/16/24 14:19	1
Motor Oil Range Organics [C28-C40]	ND		48		mg/Kg		09/16/24 09:59	09/16/24 14:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*93*		*62 - 134*	*09/16/24 09:59*	*09/16/24 14:19*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**87**		60		mg/Kg		09/16/24 07:46	09/16/24 14:39	20

QC Sample Results

Client: Ensolum
Project/Site: Blanco C-7 (09/06/24)

Job ID: 885-11838-1

Method: 8015M/D - Gasoline Range Organics (GRO) (GC)

Lab Sample ID: MB 885-12292/1-A
Matrix: Solid
Analysis Batch: 12328

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 12292

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		5.0		mg/Kg		09/16/24 10:02	09/16/24 12:15	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*122*		*35 - 166*	*09/16/24 10:02*	*09/16/24 12:15*	*1*

Lab Sample ID: LCS 885-12292/3-A
Matrix: Solid
Analysis Batch: 12328

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 12292

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*216*		*35 - 166*

Lab Sample ID: 885-11838-1 MS
Matrix: Solid
Analysis Batch: 12328

Client Sample ID: S-2
Prep Type: Total/NA
Prep Batch: 12292

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics [C6 - C10]	ND		19.3	19.6		mg/Kg		102	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*211*		*35 - 166*

Lab Sample ID: 885-11838-1 MSD
Matrix: Solid
Analysis Batch: 12328

Client Sample ID: S-2
Prep Type: Total/NA
Prep Batch: 12292

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics [C6 - C10]	ND		19.3	18.3		mg/Kg		95	70 - 130	7	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*220*		*35 - 166*

Lab Sample ID: MB 885-12293/1-A
Matrix: Solid
Analysis Batch: 12323

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 12293

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		5.0		mg/Kg		09/16/24 10:11	09/16/24 11:53	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*35 - 166*	*09/16/24 10:11*	*09/16/24 11:53*	*1*

QC Sample Results

Client: Ensolum
Project/Site: Blanco C-7 (09/06/24)

Job ID: 885-11838-1

Method: 8015M/D - Gasoline Range Organics (GRO) (GC) (Continued)

Lab Sample ID: LCS 885-12293/2-A
Matrix: Solid
Analysis Batch: 12323

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 12293

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics [C6 - C10]			25.0	24.4		mg/Kg		98	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*206*		*35 - 166*

Lab Sample ID: 885-11838-8 MS
Matrix: Solid
Analysis Batch: 12323

Client Sample ID: S-9
Prep Type: Total/NA
Prep Batch: 12293

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics [C6 - C10]	ND		20.3	20.2		mg/Kg		99	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*212*		*35 - 166*

Lab Sample ID: 885-11838-8 MSD
Matrix: Solid
Analysis Batch: 12323

Client Sample ID: S-9
Prep Type: Total/NA
Prep Batch: 12293

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics [C6 - C10]	ND		20.3	20.6		mg/Kg		101	70 - 130	2	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*213*		*35 - 166*

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 885-12292/1-A
Matrix: Solid
Analysis Batch: 12329

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 12292

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025		mg/Kg		09/16/24 10:02	09/16/24 12:15	1
Ethylbenzene	ND		0.050		mg/Kg		09/16/24 10:02	09/16/24 12:15	1
Toluene	ND		0.050		mg/Kg		09/16/24 10:02	09/16/24 12:15	1
Xylenes, Total	ND		0.10		mg/Kg		09/16/24 10:02	09/16/24 12:15	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*120*		*48 - 145*	*09/16/24 10:02*	*09/16/24 12:15*	*1*

QC Sample Results

Client: Ensolum
Project/Site: Blanco C-7 (09/06/24)

Job ID: 885-11838-1

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

Lab Sample ID: LCS 885-12292/2-A
Matrix: Solid
Analysis Batch: 12329

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 12292

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	121		48 - 145

Lab Sample ID: 885-11838-2 MS
Matrix: Solid
Analysis Batch: 12329

Client Sample ID: S-3
Prep Type: Total/NA
Prep Batch: 12292

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	ND		0.831	0.865		mg/Kg		104	70 - 130
Ethylbenzene	ND		0.831	0.857		mg/Kg		103	70 - 130
Toluene	ND		0.831	0.866		mg/Kg		104	70 - 130
Xylenes, Total	ND		2.49	2.55		mg/Kg		102	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	111		48 - 145

Lab Sample ID: 885-11838-2 MSD
Matrix: Solid
Analysis Batch: 12329

Client Sample ID: S-3
Prep Type: Total/NA
Prep Batch: 12292

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	ND		0.831	0.903		mg/Kg		109	70 - 130	4	20
Ethylbenzene	ND		0.831	0.892		mg/Kg		107	70 - 130	4	20
Toluene	ND		0.831	0.900		mg/Kg		108	70 - 130	4	20
Xylenes, Total	ND		2.49	2.66		mg/Kg		107	70 - 130	4	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	108		48 - 145

Lab Sample ID: MB 885-12293/1-A
Matrix: Solid
Analysis Batch: 12324

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 12293

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025		mg/Kg		09/16/24 10:11	09/16/24 11:53	1
Ethylbenzene	ND		0.050		mg/Kg		09/16/24 10:11	09/16/24 11:53	1
Toluene	ND		0.050		mg/Kg		09/16/24 10:11	09/16/24 11:53	1
Xylenes, Total	ND		0.10		mg/Kg		09/16/24 10:11	09/16/24 11:53	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		48 - 145	09/16/24 10:11	09/16/24 11:53	1

Lab Sample ID: LCS 885-12293/3-A
Matrix: Solid
Analysis Batch: 12324

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 12293

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			1.00	0.930		mg/Kg		93	70 - 130		

QC Sample Results

Client: Ensolum
Project/Site: Blanco C-7 (09/06/24)

Job ID: 885-11838-1

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

Lab Sample ID: LCS 885-12293/3-A
Matrix: Solid
Analysis Batch: 12324

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 12293

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	1.00	0.869		mg/Kg		87	70 - 130
Toluene	1.00	0.882		mg/Kg		88	70 - 130
Xylenes, Total	3.00	2.56		mg/Kg		85	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*96*		*48 - 145*

Method: 8015M/D - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 885-12289/1-A
Matrix: Solid
Analysis Batch: 12287

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 12289

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		10	mg/Kg		09/16/24 09:59	09/16/24 11:39	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		09/16/24 09:59	09/16/24 11:39	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*88*		*62 - 134*	*09/16/24 09:59*	*09/16/24 11:39*	*1*

Lab Sample ID: LCS 885-12289/2-A
Matrix: Solid
Analysis Batch: 12287

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 12289

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics [C10-C28]	50.0	44.1		mg/Kg		88	60 - 135

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Di-n-octyl phthalate (Surr)	*93*		*62 - 134*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 885-12269/1-A
Matrix: Solid
Analysis Batch: 12327

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 12269

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		3.0	mg/Kg		09/16/24 07:46	09/16/24 08:19	1

Lab Sample ID: LCS 885-12269/2-A
Matrix: Solid
Analysis Batch: 12327

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 12269

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	30.0	32.4		mg/Kg		108	90 - 110

QC Association Summary

Client: Ensolum
Project/Site: Blanco C-7 (09/06/24)

Job ID: 885-11838-1

GC VOA

Prep Batch: 12292

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-11838-1	S-2	Total/NA	Solid	5035	
885-11838-2	S-3	Total/NA	Solid	5035	
885-11838-3	S-4	Total/NA	Solid	5035	
885-11838-4	S-5	Total/NA	Solid	5035	
885-11838-5	S-6	Total/NA	Solid	5035	
885-11838-6	S-7	Total/NA	Solid	5035	
885-11838-7	S-8	Total/NA	Solid	5035	
MB 885-12292/1-A	Method Blank	Total/NA	Solid	5035	
LCS 885-12292/2-A	Lab Control Sample	Total/NA	Solid	5035	
LCS 885-12292/3-A	Lab Control Sample	Total/NA	Solid	5035	
885-11838-1 MS	S-2	Total/NA	Solid	5035	
885-11838-1 MSD	S-2	Total/NA	Solid	5035	
885-11838-2 MS	S-3	Total/NA	Solid	5035	
885-11838-2 MSD	S-3	Total/NA	Solid	5035	

Prep Batch: 12293

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-11838-8	S-9	Total/NA	Solid	5035	
MB 885-12293/1-A	Method Blank	Total/NA	Solid	5035	
LCS 885-12293/2-A	Lab Control Sample	Total/NA	Solid	5035	
LCS 885-12293/3-A	Lab Control Sample	Total/NA	Solid	5035	
885-11838-8 MS	S-9	Total/NA	Solid	5035	
885-11838-8 MSD	S-9	Total/NA	Solid	5035	

Analysis Batch: 12323

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-11838-8	S-9	Total/NA	Solid	8015M/D	12293
MB 885-12293/1-A	Method Blank	Total/NA	Solid	8015M/D	12293
LCS 885-12293/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	12293
885-11838-8 MS	S-9	Total/NA	Solid	8015M/D	12293
885-11838-8 MSD	S-9	Total/NA	Solid	8015M/D	12293

Analysis Batch: 12324

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-11838-8	S-9	Total/NA	Solid	8021B	12293
MB 885-12293/1-A	Method Blank	Total/NA	Solid	8021B	12293
LCS 885-12293/3-A	Lab Control Sample	Total/NA	Solid	8021B	12293

Analysis Batch: 12328

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-11838-1	S-2	Total/NA	Solid	8015M/D	12292
885-11838-2	S-3	Total/NA	Solid	8015M/D	12292
885-11838-3	S-4	Total/NA	Solid	8015M/D	12292
885-11838-4	S-5	Total/NA	Solid	8015M/D	12292
885-11838-5	S-6	Total/NA	Solid	8015M/D	12292
885-11838-6	S-7	Total/NA	Solid	8015M/D	12292
885-11838-7	S-8	Total/NA	Solid	8015M/D	12292
MB 885-12292/1-A	Method Blank	Total/NA	Solid	8015M/D	12292
LCS 885-12292/3-A	Lab Control Sample	Total/NA	Solid	8015M/D	12292
885-11838-1 MS	S-2	Total/NA	Solid	8015M/D	12292
885-11838-1 MSD	S-2	Total/NA	Solid	8015M/D	12292

QC Association Summary

Client: Ensolum
Project/Site: Blanco C-7 (09/06/24)

Job ID: 885-11838-1

GC VOA

Analysis Batch: 12329

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-11838-1	S-2	Total/NA	Solid	8021B	12292
885-11838-2	S-3	Total/NA	Solid	8021B	12292
885-11838-3	S-4	Total/NA	Solid	8021B	12292
885-11838-4	S-5	Total/NA	Solid	8021B	12292
885-11838-5	S-6	Total/NA	Solid	8021B	12292
885-11838-6	S-7	Total/NA	Solid	8021B	12292
885-11838-7	S-8	Total/NA	Solid	8021B	12292
MB 885-12292/1-A	Method Blank	Total/NA	Solid	8021B	12292
LCS 885-12292/2-A	Lab Control Sample	Total/NA	Solid	8021B	12292
885-11838-2 MS	S-3	Total/NA	Solid	8021B	12292
885-11838-2 MSD	S-3	Total/NA	Solid	8021B	12292

GC Semi VOA

Analysis Batch: 12287

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-11838-1	S-2	Total/NA	Solid	8015M/D	12289
885-11838-2	S-3	Total/NA	Solid	8015M/D	12289
885-11838-3	S-4	Total/NA	Solid	8015M/D	12289
885-11838-4	S-5	Total/NA	Solid	8015M/D	12289
885-11838-5	S-6	Total/NA	Solid	8015M/D	12289
885-11838-6	S-7	Total/NA	Solid	8015M/D	12289
885-11838-7	S-8	Total/NA	Solid	8015M/D	12289
885-11838-8	S-9	Total/NA	Solid	8015M/D	12289
MB 885-12289/1-A	Method Blank	Total/NA	Solid	8015M/D	12289
LCS 885-12289/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	12289

Prep Batch: 12289

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-11838-1	S-2	Total/NA	Solid	SHAKE	
885-11838-2	S-3	Total/NA	Solid	SHAKE	
885-11838-3	S-4	Total/NA	Solid	SHAKE	
885-11838-4	S-5	Total/NA	Solid	SHAKE	
885-11838-5	S-6	Total/NA	Solid	SHAKE	
885-11838-6	S-7	Total/NA	Solid	SHAKE	
885-11838-7	S-8	Total/NA	Solid	SHAKE	
885-11838-8	S-9	Total/NA	Solid	SHAKE	
MB 885-12289/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 885-12289/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	

HPLC/IC

Prep Batch: 12269

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-11838-1	S-2	Total/NA	Solid	300_Prep	
885-11838-2	S-3	Total/NA	Solid	300_Prep	
885-11838-3	S-4	Total/NA	Solid	300_Prep	
885-11838-4	S-5	Total/NA	Solid	300_Prep	
885-11838-5	S-6	Total/NA	Solid	300_Prep	
885-11838-6	S-7	Total/NA	Solid	300_Prep	
885-11838-7	S-8	Total/NA	Solid	300_Prep	
885-11838-8	S-9	Total/NA	Solid	300_Prep	

QC Association Summary

Client: Ensolum
Project/Site: Blanco C-7 (09/06/24)

Job ID: 885-11838-1

HPLC/IC (Continued)

Prep Batch: 12269 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 885-12269/1-A	Method Blank	Total/NA	Solid	300_Prep	
LCS 885-12269/2-A	Lab Control Sample	Total/NA	Solid	300_Prep	

Analysis Batch: 12327

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-11838-1	S-2	Total/NA	Solid	300.0	12269
885-11838-2	S-3	Total/NA	Solid	300.0	12269
885-11838-3	S-4	Total/NA	Solid	300.0	12269
885-11838-4	S-5	Total/NA	Solid	300.0	12269
885-11838-5	S-6	Total/NA	Solid	300.0	12269
885-11838-6	S-7	Total/NA	Solid	300.0	12269
885-11838-7	S-8	Total/NA	Solid	300.0	12269
885-11838-8	S-9	Total/NA	Solid	300.0	12269
MB 885-12269/1-A	Method Blank	Total/NA	Solid	300.0	12269
LCS 885-12269/2-A	Lab Control Sample	Total/NA	Solid	300.0	12269

Lab Chronicle

Client: Ensolum
Job ID: 885-11838-1
Project/Site: Blanco C-7 (09/06/24)

Client Sample ID: S-2
Lab Sample ID: 885-11838-1
Date Collected: 09/13/24 10:00
Matrix: Solid
Date Received: 09/14/24 06:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			12292	JP	EET ALB	09/16/24 10:02
Total/NA	Analysis	8015M/D		1	12328	AT	EET ALB	09/16/24 12:36
Total/NA	Prep	5035			12292	JP	EET ALB	09/16/24 10:02
Total/NA	Analysis	8021B		1	12329	AT	EET ALB	09/16/24 12:36
Total/NA	Prep	SHAKE			12289	EM	EET ALB	09/16/24 09:59
Total/NA	Analysis	8015M/D		1	12287	EM	EET ALB	09/16/24 12:54
Total/NA	Prep	300_Prep			12269	JT	EET ALB	09/16/24 07:46
Total/NA	Analysis	300.0		20	12327	MA	EET ALB	09/16/24 12:42

Client Sample ID: S-3
Lab Sample ID: 885-11838-2
Date Collected: 09/13/24 10:10
Matrix: Solid
Date Received: 09/14/24 06:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			12292	JP	EET ALB	09/16/24 10:02
Total/NA	Analysis	8015M/D		1	12328	AT	EET ALB	09/16/24 12:58
Total/NA	Prep	5035			12292	JP	EET ALB	09/16/24 10:02
Total/NA	Analysis	8021B		1	12329	AT	EET ALB	09/16/24 12:58
Total/NA	Prep	SHAKE			12289	EM	EET ALB	09/16/24 09:59
Total/NA	Analysis	8015M/D		1	12287	EM	EET ALB	09/16/24 13:05
Total/NA	Prep	300_Prep			12269	JT	EET ALB	09/16/24 07:46
Total/NA	Analysis	300.0		20	12327	MA	EET ALB	09/16/24 12:55

Client Sample ID: S-4
Lab Sample ID: 885-11838-3
Date Collected: 09/13/24 10:20
Matrix: Solid
Date Received: 09/14/24 06:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			12292	JP	EET ALB	09/16/24 10:02
Total/NA	Analysis	8015M/D		1	12328	AT	EET ALB	09/16/24 13:20
Total/NA	Prep	5035			12292	JP	EET ALB	09/16/24 10:02
Total/NA	Analysis	8021B		1	12329	AT	EET ALB	09/16/24 13:20
Total/NA	Prep	SHAKE			12289	EM	EET ALB	09/16/24 09:59
Total/NA	Analysis	8015M/D		1	12287	EM	EET ALB	09/16/24 13:15
Total/NA	Prep	300_Prep			12269	JT	EET ALB	09/16/24 07:46
Total/NA	Analysis	300.0		20	12327	MA	EET ALB	09/16/24 13:34

Client Sample ID: S-5
Lab Sample ID: 885-11838-4
Date Collected: 09/13/24 10:30
Matrix: Solid
Date Received: 09/14/24 06:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			12292	JP	EET ALB	09/16/24 10:02
Total/NA	Analysis	8015M/D		1	12328	AT	EET ALB	09/16/24 13:42

Lab Chronicle

Client: Ensolum
Job ID: 885-11838-1
Project/Site: Blanco C-7 (09/06/24)

Client Sample ID: S-5
Lab Sample ID: 885-11838-4
Date Collected: 09/13/24 10:30
Matrix: Solid
Date Received: 09/14/24 06:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			12292	JP	EET ALB	09/16/24 10:02
Total/NA	Analysis	8021B		1	12329	AT	EET ALB	09/16/24 13:42
Total/NA	Prep	SHAKE			12289	EM	EET ALB	09/16/24 09:59
Total/NA	Analysis	8015M/D		1	12287	EM	EET ALB	09/16/24 13:26
Total/NA	Prep	300_Prep			12269	JT	EET ALB	09/16/24 07:46
Total/NA	Analysis	300.0		20	12327	MA	EET ALB	09/16/24 13:47

Client Sample ID: S-6
Lab Sample ID: 885-11838-5
Date Collected: 09/13/24 10:40
Matrix: Solid
Date Received: 09/14/24 06:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			12292	JP	EET ALB	09/16/24 10:02
Total/NA	Analysis	8015M/D		1	12328	AT	EET ALB	09/16/24 14:04
Total/NA	Prep	5035			12292	JP	EET ALB	09/16/24 10:02
Total/NA	Analysis	8021B		1	12329	AT	EET ALB	09/16/24 14:04
Total/NA	Prep	SHAKE			12289	EM	EET ALB	09/16/24 09:59
Total/NA	Analysis	8015M/D		1	12287	EM	EET ALB	09/16/24 13:47
Total/NA	Prep	300_Prep			12269	JT	EET ALB	09/16/24 07:46
Total/NA	Analysis	300.0		20	12327	MA	EET ALB	09/16/24 14:00

Client Sample ID: S-7
Lab Sample ID: 885-11838-6
Date Collected: 09/13/24 10:50
Matrix: Solid
Date Received: 09/14/24 06:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			12292	JP	EET ALB	09/16/24 10:02
Total/NA	Analysis	8015M/D		1	12328	AT	EET ALB	09/16/24 14:25
Total/NA	Prep	5035			12292	JP	EET ALB	09/16/24 10:02
Total/NA	Analysis	8021B		1	12329	AT	EET ALB	09/16/24 14:25
Total/NA	Prep	SHAKE			12289	EM	EET ALB	09/16/24 09:59
Total/NA	Analysis	8015M/D		1	12287	EM	EET ALB	09/16/24 13:58
Total/NA	Prep	300_Prep			12269	JT	EET ALB	09/16/24 07:46
Total/NA	Analysis	300.0		20	12327	MA	EET ALB	09/16/24 14:13

Client Sample ID: S-8
Lab Sample ID: 885-11838-7
Date Collected: 09/13/24 11:00
Matrix: Solid
Date Received: 09/14/24 06:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			12292	JP	EET ALB	09/16/24 10:02
Total/NA	Analysis	8015M/D		1	12328	AT	EET ALB	09/16/24 14:47
Total/NA	Prep	5035			12292	JP	EET ALB	09/16/24 10:02
Total/NA	Analysis	8021B		1	12329	AT	EET ALB	09/16/24 14:47

Lab Chronicle

Client: Ensolum
Job ID: 885-11838-1
Project/Site: Blanco C-7 (09/06/24)

Client Sample ID: S-8
Lab Sample ID: 885-11838-7
Date Collected: 09/13/24 11:00
Matrix: Solid
Date Received: 09/14/24 06:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	SHAKE			12289	EM	EET ALB	09/16/24 09:59
Total/NA	Analysis	8015M/D		1	12287	EM	EET ALB	09/16/24 14:08
Total/NA	Prep	300_Prep			12269	JT	EET ALB	09/16/24 07:46
Total/NA	Analysis	300.0		20	12327	MA	EET ALB	09/16/24 14:26

Client Sample ID: S-9
Lab Sample ID: 885-11838-8
Date Collected: 09/13/24 11:10
Matrix: Solid
Date Received: 09/14/24 06:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			12293	JP	EET ALB	09/16/24 10:11
Total/NA	Analysis	8015M/D		1	12323	JP	EET ALB	09/16/24 12:16
Total/NA	Prep	5035			12293	JP	EET ALB	09/16/24 10:11
Total/NA	Analysis	8021B		1	12324	JP	EET ALB	09/16/24 12:16
Total/NA	Prep	SHAKE			12289	EM	EET ALB	09/16/24 09:59
Total/NA	Analysis	8015M/D		1	12287	EM	EET ALB	09/16/24 14:19
Total/NA	Prep	300_Prep			12269	JT	EET ALB	09/16/24 07:46
Total/NA	Analysis	300.0		20	12327	MA	EET ALB	09/16/24 14:39

Laboratory References:
EET ALB = Eurofins Albuquerque, 4901 Hawkins NE, Albuquerque, NM 87109, TEL (505)345-3975

Accreditation/Certification Summary

Client: Ensolum
Job ID: 885-11838-1
Project/Site: Blanco C-7 (09/06/24)

Laboratory: Eurofins Albuquerque

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Oregon	NELAP	NM100001	02-26-25

Chain-of-Custody Record

Client: Ensolum, LLC

Mailing Address: (c/o S. Rio Grande, Suite A, Aztec, NM 87410

Phone #:

email or Fax#: ksummers@ensolum.com

QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other

☐ EDD (Type)

Turn-Around Time:
☐ Standard ☒ Rush 100% Same Day

Project Name: Blanco C-7 (09/06/24)

Project #: SEE NOTES

Project Manager: K. Summers

Sampler: L. Daniel

On Ice: ☑ Yes ☐ No 4ogi

# of Coolers: 1

Cooler Temp(including CF): 4.1 +0.3 = 4.4 (°C)

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

885-11838 COC

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.	BTEX / ~~MTBE~~ / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
9/13/24	10:00	S	S-2	14oz jar	Cool	1	X	X					X			
	10:10	S	S-3			2	X	X					X			
	10:20	S	S-4			3	X	X					X			
	10:30	S	S-5			4	X	X					X			
	10:40	S	S-6			5	X	X					X			
	10:50	S	S-7			6	X	X					X			
	11:00 10:50	S	S-8			7	X	X					X			
	11:10	S	S-9			8	X	X					X			
							X	X					X			

Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
9/13/24	1549				9/13/24	1549
9/13/24	1724			Courier	9/14/24	0625

Remarks: PM Tom Long
RB21200
N74640
Same Day

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

Login Sample Receipt Checklist

Client: Ensolum Job Number: 885-11838-1

Login Number: 11838 **List Source: Eurofins Albuquerque**
List Number: 1
Creator: Casarrubias, Tracy

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

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Kyle Summers
Ensolum
606 S Rio Grande
Suite A
Aztec, New Mexico 87410

Generated 9/19/2024 4:33:29 PM

JOB DESCRIPTION

Blanco C-7 (09/06/24)

JOB NUMBER

885-11901-1

Eurofins Albuquerque
4901 Hawkins NE
Albuquerque NM 87109

See page two for job notes and contact information.

Eurofins Albuquerque

Job Notes

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing South Central, LLC Project Manager.

Authorization

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Client: Ensolum
Project/Site: Blanco C-7 (09/06/24)

Laboratory Job ID: 885-11901-1

Table of Contents

Definitions/Glossary

Client: Ensolum Job ID: 885-11901-1
Project/Site: Blanco C-7 (09/06/24)

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: Ensolum
Project: Blanco C-7 (09/06/24)

Job ID: 885-11901-1

Job ID: 885-11901-1 Eurofins Albuquerque

Job Narrative
885-11901-1

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 9/17/2024 7:15 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 0.1°C.

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

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

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

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

Client Sample Results

Client: Ensolum
Job ID: 885-11901-1
Project/Site: Blanco C-7 (09/06/24)

Client Sample ID: S-10
Lab Sample ID: 885-11901-1
Date Collected: 09/16/24 10:00
Matrix: Solid
Date Received: 09/17/24 07:15

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		2.9		mg/Kg		09/17/24 09:22	09/17/24 12:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*35 - 166*	*09/17/24 09:22*	*09/17/24 12:21*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.015		mg/Kg		09/17/24 09:22	09/17/24 12:21	1
Ethylbenzene	ND		0.029		mg/Kg		09/17/24 09:22	09/17/24 12:21	1
Toluene	ND		0.029		mg/Kg		09/17/24 09:22	09/17/24 12:21	1
Xylenes, Total	ND		0.059		mg/Kg		09/17/24 09:22	09/17/24 12:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*48 - 145*	*09/17/24 09:22*	*09/17/24 12:21*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.5		mg/Kg		09/17/24 09:02	09/17/24 14:57	1
Motor Oil Range Organics [C28-C40]	ND		48		mg/Kg		09/17/24 09:02	09/17/24 14:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*100*		*62 - 134*	*09/17/24 09:02*	*09/17/24 14:57*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**240**		60		mg/Kg		09/17/24 10:01	09/17/24 11:09	20

Client Sample Results

Client: Ensolum
Job ID: 885-11901-1
Project/Site: Blanco C-7 (09/06/24)

Client Sample ID: S-11
Lab Sample ID: 885-11901-2
Date Collected: 09/16/24 10:05
Matrix: Solid
Date Received: 09/17/24 07:15

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		3.6		mg/Kg		09/17/24 09:22	09/17/24 12:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*35 - 166*	*09/17/24 09:22*	*09/17/24 12:45*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.018		mg/Kg		09/17/24 09:22	09/17/24 12:45	1
Ethylbenzene	ND		0.036		mg/Kg		09/17/24 09:22	09/17/24 12:45	1
Toluene	ND		0.036		mg/Kg		09/17/24 09:22	09/17/24 12:45	1
Xylenes, Total	ND		0.071		mg/Kg		09/17/24 09:22	09/17/24 12:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*48 - 145*	*09/17/24 09:22*	*09/17/24 12:45*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.8		mg/Kg		09/17/24 09:02	09/17/24 15:07	1
Motor Oil Range Organics [C28-C40]	ND		49		mg/Kg		09/17/24 09:02	09/17/24 15:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*105*		*62 - 134*	*09/17/24 09:02*	*09/17/24 15:07*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**260**		60		mg/Kg		09/17/24 10:01	09/17/24 11:24	20

QC Sample Results

Client: Ensolum
Project/Site: Blanco C-7 (09/06/24)

Job ID: 885-11901-1

Method: 8015M/D - Gasoline Range Organics (GRO) (GC)

Lab Sample ID: MB 885-12357/1-A
Matrix: Solid
Analysis Batch: 12422

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 12357

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		5.0		mg/Kg		09/17/24 09:22	09/17/24 11:58	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*35 - 166*	*09/17/24 09:22*	*09/17/24 11:58*	*1*

Lab Sample ID: LCS 885-12357/2-A
Matrix: Solid
Analysis Batch: 12422

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 12357

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics [C6 - C10]			25.0	24.5		mg/Kg		98	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*206*		*35 - 166*

Lab Sample ID: 885-11901-1 MS
Matrix: Solid
Analysis Batch: 12422

Client Sample ID: S-10
Prep Type: Total/NA
Prep Batch: 12357

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics [C6 - C10]	ND		14.6	15.0		mg/Kg		103	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*214*		*35 - 166*

Lab Sample ID: 885-11901-1 MSD
Matrix: Solid
Analysis Batch: 12422

Client Sample ID: S-10
Prep Type: Total/NA
Prep Batch: 12357

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics [C6 - C10]	ND		14.6	15.1		mg/Kg		103	70 - 130	1	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*213*		*35 - 166*

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 885-12357/1-A
Matrix: Solid
Analysis Batch: 12423

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 12357

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025		mg/Kg		09/17/24 09:22	09/17/24 11:58	1
Ethylbenzene	ND		0.050		mg/Kg		09/17/24 09:22	09/17/24 11:58	1
Toluene	ND		0.050		mg/Kg		09/17/24 09:22	09/17/24 11:58	1

QC Sample Results

Client: Ensolum
Project/Site: Blanco C-7 (09/06/24)

Job ID: 885-11901-1

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

Lab Sample ID: MB 885-12357/1-A
Matrix: Solid
Analysis Batch: 12423

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 12357

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	ND		0.10		mg/Kg		09/17/24 09:22	09/17/24 11:58	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*48 - 145*	*09/17/24 09:22*	*09/17/24 11:58*	*1*

Lab Sample ID: LCS 885-12357/3-A
Matrix: Solid
Analysis Batch: 12423

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 12357

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			1.00	0.926		mg/Kg		93	70 - 130		
Ethylbenzene			1.00	0.842		mg/Kg		84	70 - 130		
Toluene			1.00	0.865		mg/Kg		87	70 - 130		
Xylenes, Total			3.00	2.51		mg/Kg		84	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*91*		*48 - 145*

Lab Sample ID: 885-11901-2 MS
Matrix: Solid
Analysis Batch: 12423

Client Sample ID: S-11
Prep Type: Total/NA
Prep Batch: 12357

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	ND		0.712	0.670		mg/Kg		94	70 - 130		
Ethylbenzene	ND		0.712	0.627		mg/Kg		88	70 - 130		
Toluene	ND		0.712	0.641		mg/Kg		90	70 - 130		
Xylenes, Total	ND		2.14	1.87		mg/Kg		88	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*93*		*48 - 145*

Lab Sample ID: 885-11901-2 MSD
Matrix: Solid
Analysis Batch: 12423

Client Sample ID: S-11
Prep Type: Total/NA
Prep Batch: 12357

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	ND		0.712	0.663		mg/Kg		93	70 - 130	1	20
Ethylbenzene	ND		0.712	0.628		mg/Kg		88	70 - 130	0	20
Toluene	ND		0.712	0.629		mg/Kg		88	70 - 130	2	20
Xylenes, Total	ND		2.14	1.87		mg/Kg		87	70 - 130	0	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*94*		*48 - 145*

QC Sample Results

Client: Ensolum
Job ID: 885-11901-1
Project/Site: Blanco C-7 (09/06/24)

Method: 8015M/D - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 885-12356/1-A
Matrix: Solid
Analysis Batch: 12346

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 12356

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		10		mg/Kg		09/17/24 09:02	09/17/24 10:33	1
Motor Oil Range Organics [C28-C40]	ND		50		mg/Kg		09/17/24 09:02	09/17/24 10:33	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*85*		*62 - 134*	*09/17/24 09:02*	*09/17/24 10:33*	*1*

Lab Sample ID: LCS 885-12356/2-A
Matrix: Solid
Analysis Batch: 12346

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 12356

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Diesel Range Organics [C10-C28]			50.0	43.7		mg/Kg		87	60 - 135		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Di-n-octyl phthalate (Surr)	*94*		*62 - 134*

Lab Sample ID: 885-11901-2 MS
Matrix: Solid
Analysis Batch: 12346

Client Sample ID: S-11
Prep Type: Total/NA
Prep Batch: 12356

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Diesel Range Organics [C10-C28]	ND		47.7	43.5		mg/Kg		91	44 - 136		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Di-n-octyl phthalate (Surr)	*99*		*62 - 134*

Lab Sample ID: 885-11901-2 MSD
Matrix: Solid
Analysis Batch: 12346

Client Sample ID: S-11
Prep Type: Total/NA
Prep Batch: 12356

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]	ND		47.2	44.9		mg/Kg		95	44 - 136	3	32

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Di-n-octyl phthalate (Surr)	*102*		*62 - 134*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 885-12383/1-A
Matrix: Solid
Analysis Batch: 12410

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 12383

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		3.0		mg/Kg		09/17/24 10:01	09/17/24 10:39	1

QC Sample Results

Client: Ensolum
Project/Site: Blanco C-7 (09/06/24)

Job ID: 885-11901-1

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 885-12383/2-A
Matrix: Solid
Analysis Batch: 12410

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 12383

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			30.0	29.7		mg/Kg		99	90 - 110		

QC Association Summary

Client: Ensolum
Job ID: 885-11901-1
Project/Site: Blanco C-7 (09/06/24)

GC VOA

Prep Batch: 12357

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-11901-1	S-10	Total/NA	Solid	5035	
885-11901-2	S-11	Total/NA	Solid	5035	
MB 885-12357/1-A	Method Blank	Total/NA	Solid	5035	
LCS 885-12357/2-A	Lab Control Sample	Total/NA	Solid	5035	
LCS 885-12357/3-A	Lab Control Sample	Total/NA	Solid	5035	
885-11901-1 MS	S-10	Total/NA	Solid	5035	
885-11901-1 MSD	S-10	Total/NA	Solid	5035	
885-11901-2 MS	S-11	Total/NA	Solid	5035	
885-11901-2 MSD	S-11	Total/NA	Solid	5035	

Analysis Batch: 12422

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-11901-1	S-10	Total/NA	Solid	8015M/D	12357
885-11901-2	S-11	Total/NA	Solid	8015M/D	12357
MB 885-12357/1-A	Method Blank	Total/NA	Solid	8015M/D	12357
LCS 885-12357/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	12357
885-11901-1 MS	S-10	Total/NA	Solid	8015M/D	12357
885-11901-1 MSD	S-10	Total/NA	Solid	8015M/D	12357

Analysis Batch: 12423

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-11901-1	S-10	Total/NA	Solid	8021B	12357
885-11901-2	S-11	Total/NA	Solid	8021B	12357
MB 885-12357/1-A	Method Blank	Total/NA	Solid	8021B	12357
LCS 885-12357/3-A	Lab Control Sample	Total/NA	Solid	8021B	12357
885-11901-2 MS	S-11	Total/NA	Solid	8021B	12357
885-11901-2 MSD	S-11	Total/NA	Solid	8021B	12357

GC Semi VOA

Analysis Batch: 12346

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-11901-1	S-10	Total/NA	Solid	8015M/D	12356
885-11901-2	S-11	Total/NA	Solid	8015M/D	12356
MB 885-12356/1-A	Method Blank	Total/NA	Solid	8015M/D	12356
LCS 885-12356/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	12356
885-11901-2 MS	S-11	Total/NA	Solid	8015M/D	12356
885-11901-2 MSD	S-11	Total/NA	Solid	8015M/D	12356

Prep Batch: 12356

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-11901-1	S-10	Total/NA	Solid	SHAKE	
885-11901-2	S-11	Total/NA	Solid	SHAKE	
MB 885-12356/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 885-12356/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	
885-11901-2 MS	S-11	Total/NA	Solid	SHAKE	
885-11901-2 MSD	S-11	Total/NA	Solid	SHAKE	

QC Association Summary

Client: Ensolum
Job ID: 885-11901-1
Project/Site: Blanco C-7 (09/06/24)

HPLC/IC

Prep Batch: 12383

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-11901-1	S-10	Total/NA	Solid	300_Prep	
885-11901-2	S-11	Total/NA	Solid	300_Prep	
MB 885-12383/1-A	Method Blank	Total/NA	Solid	300_Prep	
LCS 885-12383/2-A	Lab Control Sample	Total/NA	Solid	300_Prep	

Analysis Batch: 12410

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-11901-1	S-10	Total/NA	Solid	300.0	12383
885-11901-2	S-11	Total/NA	Solid	300.0	12383
MB 885-12383/1-A	Method Blank	Total/NA	Solid	300.0	12383
LCS 885-12383/2-A	Lab Control Sample	Total/NA	Solid	300.0	12383

Lab Chronicle

Client: Ensolum
Job ID: 885-11901-1
Project/Site: Blanco C-7 (09/06/24)

Client Sample ID: S-10
Lab Sample ID: 885-11901-1
Date Collected: 09/16/24 10:00
Matrix: Solid
Date Received: 09/17/24 07:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			12357	AT	EET ALB	09/17/24 09:22
Total/NA	Analysis	8015M/D		1	12422	JP	EET ALB	09/17/24 12:21
Total/NA	Prep	5035			12357	AT	EET ALB	09/17/24 09:22
Total/NA	Analysis	8021B		1	12423	JP	EET ALB	09/17/24 12:21
Total/NA	Prep	SHAKE			12356	EM	EET ALB	09/17/24 09:02
Total/NA	Analysis	8015M/D		1	12346	EM	EET ALB	09/17/24 14:57
Total/NA	Prep	300_Prep			12383	EH	EET ALB	09/17/24 10:01
Total/NA	Analysis	300.0		20	12410	EH	EET ALB	09/17/24 11:09

Client Sample ID: S-11
Lab Sample ID: 885-11901-2
Date Collected: 09/16/24 10:05
Matrix: Solid
Date Received: 09/17/24 07:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			12357	AT	EET ALB	09/17/24 09:22
Total/NA	Analysis	8015M/D		1	12422	JP	EET ALB	09/17/24 12:45
Total/NA	Prep	5035			12357	AT	EET ALB	09/17/24 09:22
Total/NA	Analysis	8021B		1	12423	JP	EET ALB	09/17/24 12:45
Total/NA	Prep	SHAKE			12356	EM	EET ALB	09/17/24 09:02
Total/NA	Analysis	8015M/D		1	12346	EM	EET ALB	09/17/24 15:07
Total/NA	Prep	300_Prep			12383	EH	EET ALB	09/17/24 10:01
Total/NA	Analysis	300.0		20	12410	EH	EET ALB	09/17/24 11:24

Laboratory References:
EET ALB = Eurofins Albuquerque, 4901 Hawkins NE, Albuquerque, NM 87109, TEL (505)345-3975

Accreditation/Certification Summary

Client: Ensolum
Job ID: 885-11901-1
Project/Site: Blanco C-7 (09/06/24)

Laboratory: Eurofins Albuquerque

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Oregon	NELAP	NM100001	02-26-25

Chain-of-Custody Record

Client: Ensolum, LLC

Mailing Address: 606 S. Rio Grande, Suite A, Aztec, NM 87410

Phone #:

email or Fax#: kSummers@ensolum.com

QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other
☐ EDD (Type)

Turn-Around Time:
☐ Standard ☒ Rush 1 DAY (Same Day)

Project Name: Blanco C-7 (09/06/24)

Project #: SEE NOTES

Project Manager: K. Summers

Sampler: L. Daniell

On Ice: ☐ Yes ☐ No

# of Coolers: 1 (chilly)

Cooler Temp (including CF): 0.3-0.2=0.1 (°C)

HALL ENVIRONMENTAL ANALYSIS LABORA

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 8710[illegible]

Tel. 505-345-3975 Fax 505-345-4107

885-11901 COC

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
9/14/24	10:00	S	S-10	4oz jar	Cool	1	X	X					X			
9/16/24	10:05	S	S-11	4oz jar	Cool	2	X	X					X			

Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
9/16/24	1709				9/16/24	1709
9/16/24	1728			courier	9/17/24	7:15

Remarks: PM Tom Long
RB21200
N74640
(Same Day)

Login Sample Receipt Checklist

Client: Ensolum Job Number: 885-11901-1

Login Number: 11901 **List Source: Eurofins Albuquerque**
List Number: 1
Creator: Casarrubias, Tracy

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

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Kyle Summers
Ensolum
606 S Rio Grande
Suite A
Aztec, New Mexico 87410

Generated 4/7/2025 1:23:44 PM

JOB DESCRIPTION

Blanco C7

JOB NUMBER

885-22641-1

Eurofins Albuquerque
4901 Hawkins NE
Albuquerque NM 87109

See page two for job notes and contact information.

Eurofins Albuquerque

Job Notes

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing South Central, LLC Project Manager.

Authorization

Generated
4/7/2025 1:23:44 PM

Authorized for release by
John Caldwell, Project Manager
john.caldwell@et.eurofinsus.com
(505)345-3975

Client: Ensolum
Project/Site: Blanco C7

Laboratory Job ID: 885-22641-1

Table of Contents

Definitions/Glossary

Client: Ensolum Job ID: 885-22641-1
Project/Site: Blanco C7

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: Ensolum
Project: Blanco C7

Job ID: 885-22641-1

Job ID: 885-22641-1 Eurofins Albuquerque

Job Narrative
885-22641-1

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 sample was received on 4/4/2025 7:10 AM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 0.6°C.

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

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

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

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

Client Sample Results

Client: Ensolum
Project/Site: Blanco C7

Job ID: 885-22641-1

Client Sample ID: BF-1

Date Collected: 04/03/25 13:00
Date Received: 04/04/25 07:10

Lab Sample ID: 885-22641-1

Matrix: Solid

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		3.7		mg/Kg		04/04/25 09:01	04/04/25 11:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*35 - 166*	*04/04/25 09:01*	*04/04/25 11:18*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.018		mg/Kg		04/04/25 09:01	04/04/25 11:18	1
Ethylbenzene	ND		0.037		mg/Kg		04/04/25 09:01	04/04/25 11:18	1
Toluene	ND		0.037		mg/Kg		04/04/25 09:01	04/04/25 11:18	1
Xylenes, Total	ND		0.074		mg/Kg		04/04/25 09:01	04/04/25 11:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*48 - 145*	*04/04/25 09:01*	*04/04/25 11:18*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.8		mg/Kg		04/04/25 09:05	04/04/25 11:08	1
Motor Oil Range Organics [C28-C40]	ND		49		mg/Kg		04/04/25 09:05	04/04/25 11:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*108*		*62 - 134*	*04/04/25 09:05*	*04/04/25 11:08*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		59		mg/Kg		04/04/25 09:22	04/04/25 10:43	20

QC Sample Results

Client: Ensolum
Project/Site: Blanco C7

Job ID: 885-22641-1

Method: 8015M/D - Gasoline Range Organics (GRO) (GC)

Lab Sample ID: MB 885-23667/1-A
Matrix: Solid
Analysis Batch: 23665

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 23667

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		5.0		mg/Kg		04/04/25 09:01	04/04/25 10:56	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*35 - 166*	*04/04/25 09:01*	*04/04/25 10:56*	*1*

Lab Sample ID: LCS 885-23667/2-A
Matrix: Solid
Analysis Batch: 23665

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 23667

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics [C6 - C10]			25.0	24.5		mg/Kg		98	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*207*		*35 - 166*

Lab Sample ID: 885-22641-1 MS
Matrix: Solid
Analysis Batch: 23665

Client Sample ID: BF-1
Prep Type: Total/NA
Prep Batch: 23667

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics [C6 - C10]	ND		18.4	16.8		mg/Kg		91	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*203*		*35 - 166*

Lab Sample ID: 885-22641-1 MSD
Matrix: Solid
Analysis Batch: 23665

Client Sample ID: BF-1
Prep Type: Total/NA
Prep Batch: 23667

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics [C6 - C10]	ND		18.4	16.7		mg/Kg		91	70 - 130	1	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*202*		*35 - 166*

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 885-23667/1-A
Matrix: Solid
Analysis Batch: 23666

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 23667

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025		mg/Kg		04/04/25 09:01	04/04/25 10:56	1
Ethylbenzene	ND		0.050		mg/Kg		04/04/25 09:01	04/04/25 10:56	1
Toluene	ND		0.050		mg/Kg		04/04/25 09:01	04/04/25 10:56	1

QC Sample Results

Client: Ensolum
Project/Site: Blanco C7

Job ID: 885-22641-1

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

Lab Sample ID: MB 885-23667/1-A
Matrix: Solid
Analysis Batch: 23666

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 23667

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	ND		0.10		mg/Kg		04/04/25 09:01	04/04/25 10:56	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*48 - 145*	*04/04/25 09:01*	*04/04/25 10:56*	*1*

Lab Sample ID: LCS 885-23667/3-A
Matrix: Solid
Analysis Batch: 23666

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 23667

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			1.00	0.883		mg/Kg		88	70 - 130		
Ethylbenzene			1.00	0.901		mg/Kg		90	70 - 130		
Toluene			1.00	0.885		mg/Kg		89	70 - 130		
Xylenes, Total			3.00	2.70		mg/Kg		90	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*108*		*48 - 145*

Lab Sample ID: 885-22641-1 MS
Matrix: Solid
Analysis Batch: 23666

Client Sample ID: BF-1
Prep Type: Total/NA
Prep Batch: 23667

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	ND		0.736	0.585		mg/Kg		79	70 - 130		
Ethylbenzene	ND		0.736	0.607		mg/Kg		83	70 - 130		
Toluene	ND		0.736	0.588		mg/Kg		80	70 - 130		
Xylenes, Total	ND		2.21	1.82		mg/Kg		82	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*103*		*48 - 145*

Lab Sample ID: 885-22641-1 MSD
Matrix: Solid
Analysis Batch: 23666

Client Sample ID: BF-1
Prep Type: Total/NA
Prep Batch: 23667

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	ND		0.736	0.588		mg/Kg		80	70 - 130	1	20
Ethylbenzene	ND		0.736	0.601		mg/Kg		82	70 - 130	1	20
Toluene	ND		0.736	0.591		mg/Kg		80	70 - 130	1	20
Xylenes, Total	ND		2.21	1.82		mg/Kg		82	70 - 130	0	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*105*		*48 - 145*

QC Sample Results

Client: Ensolum
Project/Site: Blanco C7

Job ID: 885-22641-1

Method: 8015M/D - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 885-23668/1-A
Matrix: Solid
Analysis Batch: 23660

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 23668

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		10		mg/Kg		04/04/25 09:05	04/04/25 10:44	1
Motor Oil Range Organics [C28-C40]	ND		50		mg/Kg		04/04/25 09:05	04/04/25 10:44	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*104*		*62 - 134*	*04/04/25 09:05*	*04/04/25 10:44*	*1*

Lab Sample ID: LCS 885-23668/2-A
Matrix: Solid
Analysis Batch: 23660

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 23668

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Diesel Range Organics [C10-C28]			50.0	46.9		mg/Kg		94	60 - 135		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Di-n-octyl phthalate (Surr)	*86*		*62 - 134*

Lab Sample ID: 885-22641-1 MS
Matrix: Solid
Analysis Batch: 23660

Client Sample ID: BF-1
Prep Type: Total/NA
Prep Batch: 23668

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Diesel Range Organics [C10-C28]	ND		49.2	41.5		mg/Kg		84	44 - 136		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Di-n-octyl phthalate (Surr)	*92*		*62 - 134*

Lab Sample ID: 885-22641-1 MSD
Matrix: Solid
Analysis Batch: 23660

Client Sample ID: BF-1
Prep Type: Total/NA
Prep Batch: 23668

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]	ND		49.0	48.0		mg/Kg		98	44 - 136	15	32

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Di-n-octyl phthalate (Surr)	*90*		*62 - 134*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 885-23679/1-A
Matrix: Solid
Analysis Batch: 23691

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 23679

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		1.5		mg/Kg		04/04/25 09:22	04/04/25 10:23	1

QC Sample Results

Client: Ensolum
Project/Site: Blanco C7

Job ID: 885-22641-1

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 885-23679/2-A
Matrix: Solid
Analysis Batch: 23691

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 23679

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			15.0	14.6		mg/Kg		97	90 - 110		

Lab Sample ID: 885-22641-1 MS
Matrix: Solid
Analysis Batch: 23691

Client Sample ID: BF-1
Prep Type: Total/NA
Prep Batch: 23679

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	ND		30.1	ND		mg/Kg		NC	50 - 150		

Lab Sample ID: 885-22641-1 MSD
Matrix: Solid
Analysis Batch: 23691

Client Sample ID: BF-1
Prep Type: Total/NA
Prep Batch: 23679

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	ND		29.8	ND		mg/Kg		NC	50 - 150	NC	20

QC Association Summary

Client: Ensolum
Project/Site: Blanco C7

Job ID: 885-22641-1

GC VOA

Analysis Batch: 23665

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-22641-1	BF-1	Total/NA	Solid	8015M/D	23667
MB 885-23667/1-A	Method Blank	Total/NA	Solid	8015M/D	23667
LCS 885-23667/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	23667
885-22641-1 MS	BF-1	Total/NA	Solid	8015M/D	23667
885-22641-1 MSD	BF-1	Total/NA	Solid	8015M/D	23667

Analysis Batch: 23666

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-22641-1	BF-1	Total/NA	Solid	8021B	23667
MB 885-23667/1-A	Method Blank	Total/NA	Solid	8021B	23667
LCS 885-23667/3-A	Lab Control Sample	Total/NA	Solid	8021B	23667
885-22641-1 MS	BF-1	Total/NA	Solid	8021B	23667
885-22641-1 MSD	BF-1	Total/NA	Solid	8021B	23667

Prep Batch: 23667

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-22641-1	BF-1	Total/NA	Solid	5035	
MB 885-23667/1-A	Method Blank	Total/NA	Solid	5035	
LCS 885-23667/2-A	Lab Control Sample	Total/NA	Solid	5035	
LCS 885-23667/3-A	Lab Control Sample	Total/NA	Solid	5035	
885-22641-1 MS	BF-1	Total/NA	Solid	5035	
885-22641-1 MS	BF-1	Total/NA	Solid	5035	
885-22641-1 MSD	BF-1	Total/NA	Solid	5035	
885-22641-1 MSD	BF-1	Total/NA	Solid	5035	

GC Semi VOA

Analysis Batch: 23660

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-22641-1	BF-1	Total/NA	Solid	8015M/D	23668
MB 885-23668/1-A	Method Blank	Total/NA	Solid	8015M/D	23668
LCS 885-23668/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	23668
885-22641-1 MS	BF-1	Total/NA	Solid	8015M/D	23668
885-22641-1 MSD	BF-1	Total/NA	Solid	8015M/D	23668

Prep Batch: 23668

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-22641-1	BF-1	Total/NA	Solid	SHAKE	
MB 885-23668/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 885-23668/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	
885-22641-1 MS	BF-1	Total/NA	Solid	SHAKE	
885-22641-1 MSD	BF-1	Total/NA	Solid	SHAKE	

HPLC/IC

Prep Batch: 23679

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-22641-1	BF-1	Total/NA	Solid	300_Prep	
MB 885-23679/1-A	Method Blank	Total/NA	Solid	300_Prep	
LCS 885-23679/2-A	Lab Control Sample	Total/NA	Solid	300_Prep	
885-22641-1 MS	BF-1	Total/NA	Solid	300_Prep	
885-22641-1 MSD	BF-1	Total/NA	Solid	300_Prep	

QC Association Summary

Client: Ensolum
Job ID: 885-22641-1
Project/Site: Blanco C7

HPLC/IC

Analysis Batch: 23691

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-22641-1	BF-1	Total/NA	Solid	300.0	23679
MB 885-23679/1-A	Method Blank	Total/NA	Solid	300.0	23679
LCS 885-23679/2-A	Lab Control Sample	Total/NA	Solid	300.0	23679
885-22641-1 MS	BF-1	Total/NA	Solid	300.0	23679
885-22641-1 MSD	BF-1	Total/NA	Solid	300.0	23679

Lab Chronicle

Client: Ensolum
Job ID: 885-22641-1
Project/Site: Blanco C7

Client Sample ID: BF-1
Date Collected: 04/03/25 13:00
Date Received: 04/04/25 07:10

Lab Sample ID: 885-22641-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			23667	AT	EET ALB	04/04/25 09:01
Total/NA	Analysis	8015M/D		1	23665	AT	EET ALB	04/04/25 11:18
Total/NA	Prep	5035			23667	AT	EET ALB	04/04/25 09:01
Total/NA	Analysis	8021B		1	23666	AT	EET ALB	04/04/25 11:18
Total/NA	Prep	SHAKE			23668	MI	EET ALB	04/04/25 09:05
Total/NA	Analysis	8015M/D		1	23660	MI	EET ALB	04/04/25 11:08
Total/NA	Prep	300_Prep			23679	DL	EET ALB	04/04/25 09:22
Total/NA	Analysis	300.0		20	23691	DL	EET ALB	04/04/25 10:43

Laboratory References:

EET ALB = Eurofins Albuquerque, 4901 Hawkins NE, Albuquerque, NM 87109, TEL (505)345-3975

Accreditation/Certification Summary

Client: Ensolum
Job ID: 885-22641-1
Project/Site: Blanco C7

Laboratory: Eurofins Albuquerque

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Oregon	NELAP	NM100001	02-26-26

Chain-of-Custody Record

Client: Ensolum

Mailing Address: 606 S Rio Grande Ste A 87410

Phone #:

email or Fax#:

QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other
☐ EDD (Type)

Turn-Around Time: 100% Same Day
☐ Standard ☑ Rush 4-4-25

Project Name: Blanco C7

Project #:

Project Manager: K Summers

Sampler: C DiAponti

On Ice: ~~☐ Yes~~ ☐ No

# of Coolers: 1 UNIT

Cooler Temp(including CF): 0.4+0.2=0.6 (°C)

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

885-22641 COC

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.	BTEX / ~~MTBE~~ / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, ~~NO3~~, NO2, PO4, SO4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
4/3	1300	S	BF-1	4oz Jar	Cool		✓	✓					✓			

Analysis Request

Date	Time	Relinquished by:	Received by	Via	Date	Time
4/3/25	1435				4/3/25	1439
4/3/25	1721	Chase Walker		courier	4/4/25	7:10

Remarks: Tom long Am 14058 Same Day

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories This serves as notice of this possibility Any sub-contracted data will be clearly notated on the analytical report.

Login Sample Receipt Checklist

Client: Ensolum Job Number: 885-22641-1

Login Number: 22641 **List Source: Eurofins Albuquerque**
List Number: 1
Creator: Casarrubias, Tracy

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

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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 453661

QUESTIONS

Operator: Enterprise Field Services, LLC PO Box 4324 Houston, TX 77210	OGRID: 241602
	Action Number: 453661
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2425553609**
Incident Name	**NAPP2425553609 BLANCO C-7 @ 0**
Incident Type	**Natural Gas Release**
Incident Status	**Initial C-141 Approved**

Location of Release Source	
Please answer all the questions in this group.	
Site Name	Blanco C-7
Date Release Discovered	09/11/2024
Surface Owner	Navajo

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

Nature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.	
Crude Oil Released (bbls) Details	*Not answered.*
Produced Water Released (bbls) Details	*Not answered.*
Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	Cause: Corrosion | Pipeline (Any) | Condensate | Released: 5 BBL | Recovered: 0 BBL | Lost: 5 BBL.
Natural Gas Vented (Mcf) Details	Cause: Corrosion | Pipeline (Any) | Natural Gas Vented | Released: 93 MCF | Recovered: 0 MCF | Lost: 93 MCF.
Natural Gas Flared (Mcf) Details	*Not answered.*
Other Released Details	*Not answered.*
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	*Not answered.*

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QUESTIONS (continued)

Operator: Enterprise Field Services, LLC PO Box 4324 Houston, TX 77210	OGRID: 241602
	Action Number: 453661
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	**Yes, according to supplied volumes this will be treated as a "gas only" report.**
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	**No**
Reasons why this would be considered a submission for a notification of a major release	*Unavailable.*
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

Initial Response	
The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.	
The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	None
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: Thomas Long Title: Sr Field Environmental Scientist Email: tjlong@eprod.com Date: 09/23/2024

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QUESTIONS (continued)

Operator: Enterprise Field Services, LLC PO Box 4324 Houston, TX 77210	OGRID: 241602
	Action Number: 453661
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

QUESTIONS

Site Characterization	
Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Less than or equal 25 (ft.)
What method was used to determine the depth to ground water	Direct Measurement
Did this release impact groundwater or surface water	Yes
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between 1000 (ft.) and ½ (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Greater than 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Between 300 and 500 (ft.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 500 and 1000 (ft.)
Any other fresh water well or spring	Between 500 and 1000 (ft.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 1000 (ft.) and ½ (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Zero feet, overlying, or within area
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan	
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
Requesting a remediation plan approval with this submission	No
The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.	

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CONDITIONS

Operator:	OGRID:
Enterprise Field Services, LLC PO Box 4324 Houston, TX 77210	241602
	Action Number: 453661
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

CONDITIONS

Created By	Condition	Condition Date
scott.rodgers	App ID 453661: Accepted for the record. Incident on tribal land. The New Mexico Oil Conservation Division (OCD) acts as a repository for documents pertaining to produced fluid spills and releases that may occur on Native American Tribal Lands, as a result of the production of oil and gas, on Tribal Lands. The OCD performs this function at the sole discretion of the relevant Tribal Authority. The oil and gas producer may file Form C-141 with OCD which will create an incident number and a document file in OCD's Permitting System. Once created, this incident number will remain in "closed" status but will be available to document the spill or release, any remedial activities associated with the spill or release, or other documentation as the relevant Tribal Authority may deem appropriate. Under these terms, this incident number is closed, but may be an ongoing remedial project.	6/18/2025