ENSOLUM

CLOSURE REPORT

Property:

Lateral 2C-89 (09/05/24)
Unit Letter F, S6 T24N R6W
San Juan County, New Mexico

New Mexico EMNRD OCD Incident ID No. NAPP2424846665

February 19, 2024

Ensolum Project No. 05A1226340

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

TABLE OF CONTENTS

LIST OF APPENDICES

1.0 INTRODUCTION

1.1 Site Description & Background

Operator:	Enterprise Field Services, LLC / Enterprise Products Operating LLC (Enterprise)
Site Name:	Lateral 2C-89 (09/05/24) (Site)
NM EMNRD OCD Incident ID No.	NAPP2424846665
Location:	36.34521° North, 107.51348° West Unit Letter F, Section 6, Township 24 North, Range 6 West Rio Arriba County, New Mexico
Property:	Bureau of Land Management (BLM)
Regulatory:	New Mexico (NM) Energy, Minerals and Natural Resources Department (EMNRD) Oil Conservation Division (OCD)

On September 4, 2024, Enterprise personnel identified a potential release of natural gas from the Lateral 2C-89 pipeline. Enterprise subsequently isolated and locked the meter run out of service and notified the NM EMNRD OCD. On September 9, 2024, Enterprise initiated activities to remediate petroleum hydrocarbon impact.

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 closure 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 NM EMNRD OCD. 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 with recorded depths to water (DTWs) were identified in the same Public Land Survey System (PLSS) section as the Site, and no PODs were identified in the adjacent PLSS sections (**Figure A**, **Appendix B**).

- One cathodic protection well (CPW) was identified in the NM EMNRD OCD imaging database in an adjacent PLSS section. No CPWs were identified in the same PLSS section as the Site. This CPW is depicted on **Figure B** (**Appendix B**). Documentation for the cathodic protection

well located near the Harvey State #8 and #10 production pads indicates a depth to water of 280 feet below grade surface (bgs). This cathodic protection well is located approximately 1.12 miles northeast of the Site and is approximately 127 feet higher in elevation than the Site.

- The Site is located within 300 feet of a NM EMNRD OCD-defined continuously flowing watercourse or significant watercourse (**Figure C**, **Appendix B**). The Site is located adjacent to a "blue line" ephemeral wash.

- 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**).

- No freshwater wells or springs were identified within 1,000 feet 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 located adjacent to a riverine with a "J" designation, indicating that it would generally not be considered a wetland in the arid southwest United States. (**Figure F**, **Appendix B**). A pond is located approximately 2,300 feet southwest 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 adjacent to, and possibly within, a 100-year floodplain (**Figure H**, **Appendix B**).

Based on available information Enterprise estimates the depth to water at the Site to potentially be less than 50 feet bgs, resulting in a Tier I ranking. 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 9, 2024, Enterprise initiated activities to remediate petroleum hydrocarbon impact resulting from the release. During the remediation and corrective action activities, Sierra Oilfield Services, Inc., provided heavy equipment and labor support, while Ensolum provided environmental consulting support.

The excavation measured approximately 37 feet long and 17 to 18 feet wide at the maximum extents. The maximum depth of the excavation measured approximately 12 feet bgs, with a footprint of approximately 1,237 ft^2. The lithology encountered during the completion of remediation activities consisted primarily of silty sand and clay.

Approximately 670 cubic yards (yd^3) of petroleum hydrocarbon-affected soils, 50 barrels (bbls) of hydro-excavation soil cuttings and water, and 555 barrels of stormwater from a rain event that drained into the excavation 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 the excavation extents.

Ensolum's soil sampling program included the collection of 25 composite soil samples (S-1 through S-25) 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 each area of the excavation and backfill. Regulatory correspondence is provided in **Appendix E**.

First Sampling Event
On September 16, 2024, sampling was performed at the Site. The NM EMNRD OCD was notified of the sampling event although no representative was present during sampling activities. Composite soil samples S-1 (6') and S-2 (6') were collected from the floor of the excavation.

Composite soil samples S-3 (0' to 6'), S-4 (0' to 6'), and S-5 (0' to 6') were collected from the walls of the excavation. The results for composite soil samples S-1 and S-2 indicated exceedances in benzene, BTEX, and total combined TPH GRO/DRO/MRO concentrations. The results for S-3 and S-5 indicated exceedances in BTEX and total combined TPH GRO/DRO/MRO concentrations. The results for S-4 indicated exceedances in total combined TPH GRO/DRO/MRO concentrations.

Second Sampling Event
On September 17, 2024, sampling was performed at the Site. The NM EMNRD OCD was notified of the sampling event although no representative was present during sampling activities. Composite soil samples S-6 (11'), S-7 (11'). S-8 (11'), S-9 (8'), and S-10 (8') were collected from the floor of the excavation. Composite soil samples S-11 (0' to 11'), S-12 (0' to 11'), S-13 (0' to 8'), S-14 (0' to 8'), S-15 (0' to 8'), S-16 (0' to 11'), and S-17 (0' to 11') were collected from the walls of the excavation.

Third Sampling Event
On September 26, 2024, sampling was performed at the Site. The NM EMNRD OCD was notified of the sampling event although no representative was present during sampling activities. Composite soil samples S-18 (12') and S-19 (12') were collected from the floor of the excavation to replace composite soil samples S-1 and S-2. Composite soil samples S-20 (0' to 12'), S-21 (0' to 12'), S-22 (0' to 12'), S-23 (0' to 12'), S-24 (0' to 12'), and S-25 (0' to 12') were collected from the walls of the excavation to replace composite soil samples S-3, S-4, and S-5.

Fourth Sampling Event
On January 23, 2025, sampling was performed at the Site. The NM EMNRD OCD was notified of the sampling event although no representative was present during sampling activities. 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-1 through S-25 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 compared the quantified TPH results to the New Mexico EMNRD OCD closure criteria. The results for composite soil samples S-1 through S-5 are not included in the following discussion because the impacted soils were removed from the Site and taken to the landfarm. The laboratory analytical results are summarized in **Table 1** (**Appendix F**).

- The laboratory analytical results for the composite soil samples indicate that benzene is not present in soils remaining at the Site 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 indicate that total BTEX is not present in the soils remaining at the Site 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 the composite soil samples indicate total combined TPH GRO/DRO/MRO is not present in the soils remaining at the Site at concentrations greater than the laboratory PQLs/RLs, which are less than the NM EMNRD OCD closure criteria of 100 mg/kg.

- The laboratory analytical results for the composite soil samples indicate chloride is not present in the soils remaining at the Site at concentrations greater than the laboratory PQLs/RLs, which is less than the NM EMNRD OCD closure criteria of 600 mg/kg.

7.0 RECLAMATION

The excavation was backfilled with imported fill and then contoured to the surrounding grade. The backfill and the upper four feet (soil zone) 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 flood-plain/wash vegetation appears to be 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

- Twenty-six composite soil samples were collected from the Site. Based on laboratory analytical results, no benzene, BTEX, chloride, or total combined TPH GRO/DRO/MRO exceedances were identified in the soils remaining at the Site.

- Approximately 670 yd^3 of petroleum hydrocarbon-affected soils and 605 bbls of hydro-excavation soil cuttings and water were transported to the Envirotech landfarm for disposal/remediation.

Based on field observations and laboratory analytical results, no additional investigation or corrective action appears warranted at this time.

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.

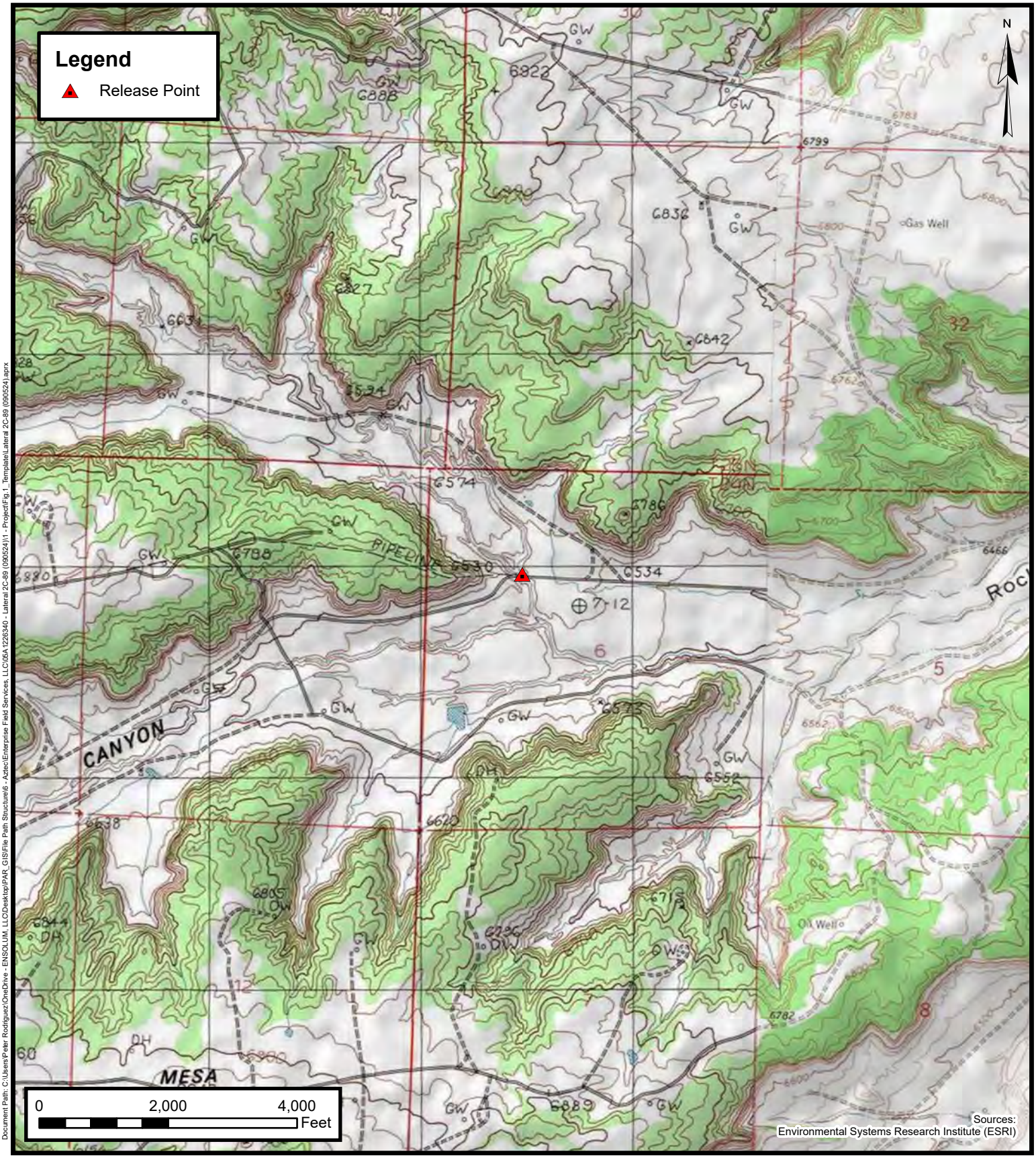
10.3 Reliance

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.

ENSOLUM

APPENDIX A

Figures



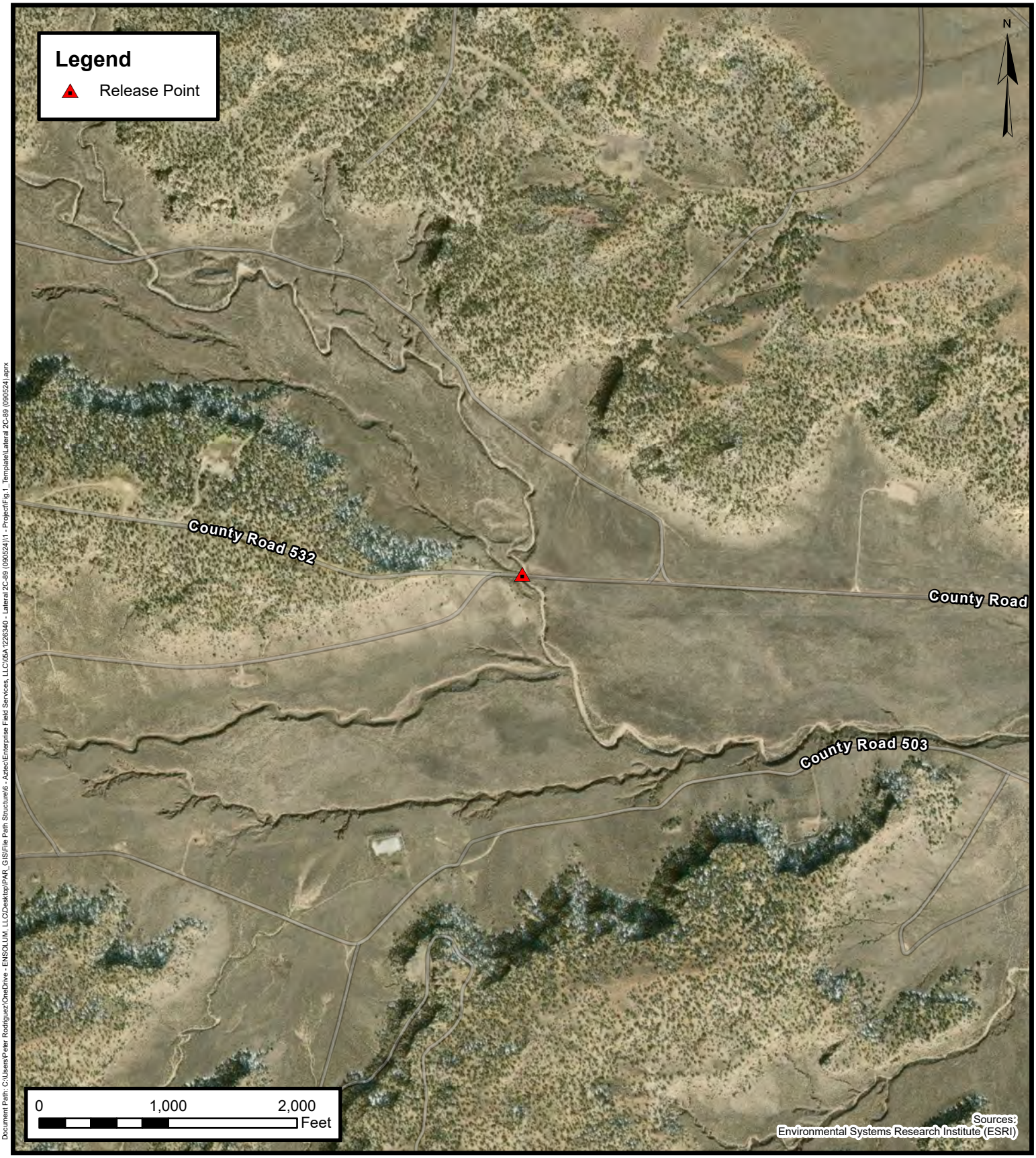
Document Path: C:\Users\Peter Rodriguez\OneDrive - ENSOLUM, LLC\Desktop\PAR_GIS\File Path Structure\6 - Aztec\Enterprise Field Services, LLC\05A1226340 - Lateral 2C-89 (09052491) - Project\Fig 1_Template\Lateral 2C-89 (090524).aprx

ENSOLUM
Environmental, Engineering and Hydrogeologic Consultants

Topographic Map

Enterprise Field Services, LLC
Lateral 2C-89 (09/05/24)
Project Number: 05A1226340
Unit Letter F, S6 T24N R6W, Rio Arriba County, New Mexico
36.34521, -107.51348

FIGURE
1



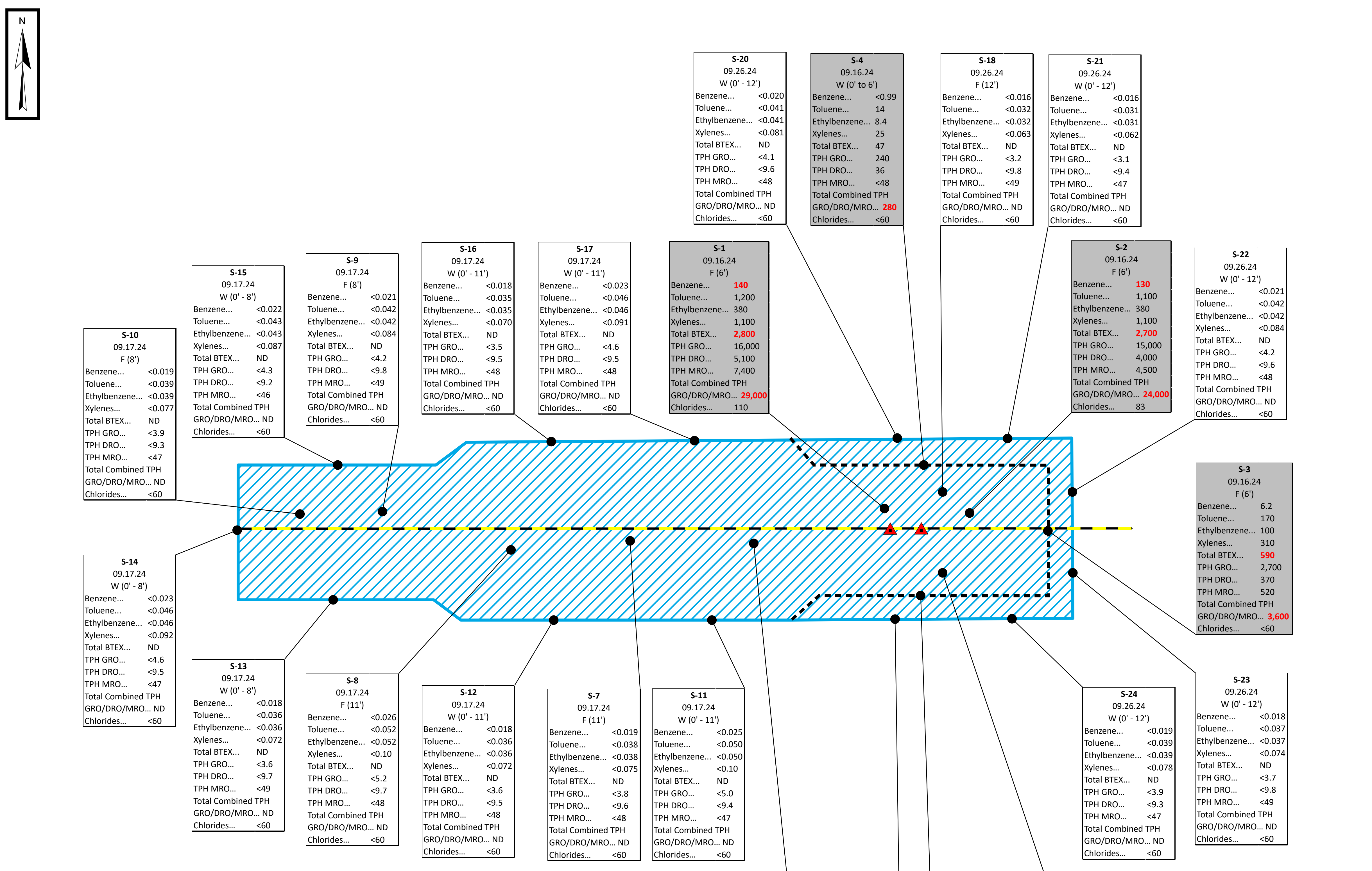
Document Path: C:\Users\Peter Rodriguez\OneDrive - ENSOLUM, LLC\Desktop\PAR_GIS\File Path Structure\6 - Aztec\Enterprise Field Services, LLC\05A1226340 - Lateral 2C-89 (090524)\1 - Project\Fig 1_Template\Lateral 2C-89 (090524).aprx

ENSOLUM
Environmental, Engineering and Hydrogeologic Consultants

Site Vicinity Map

Enterprise Field Services, LLC
Lateral 2C-89 (09/05/24)
Project Number: 05A1226340
Unit Letter F, S6 T24N R6W, Rio Arriba County, New Mexico
36.34521, -107.51348

FIGURE
2



Notes:
F - Floor Sample
W - Wall Sample
All depths are listed in feet BGS.
All concentration are listed in milligrams per kilogram (mg/kg).
All depths are listed in feet BGS.
Concentrations in red exceed the applicable NM EMNRD OCD Closure Criteria.
Analytical callouts in gray denote sampling location removed by excavation.

0 10 20 Feet

LEGEND

- Point of Release
- Composite Soil Sample Location
- Former Extent of Excavation
- Lateral 2C-89 Pipeline
- Excavation Extent

ENSOLUM
Environmental, Engineering and Hydrogeologic Consultants

Site Map with Soil Analytical Results

Enterprise Field Services, LLC
Lateral 2C-89 (09/05/24)
Unit Letter F, S6 T24N R6W
Rio Arriba County, New Mexico
36.34521, -107.51348

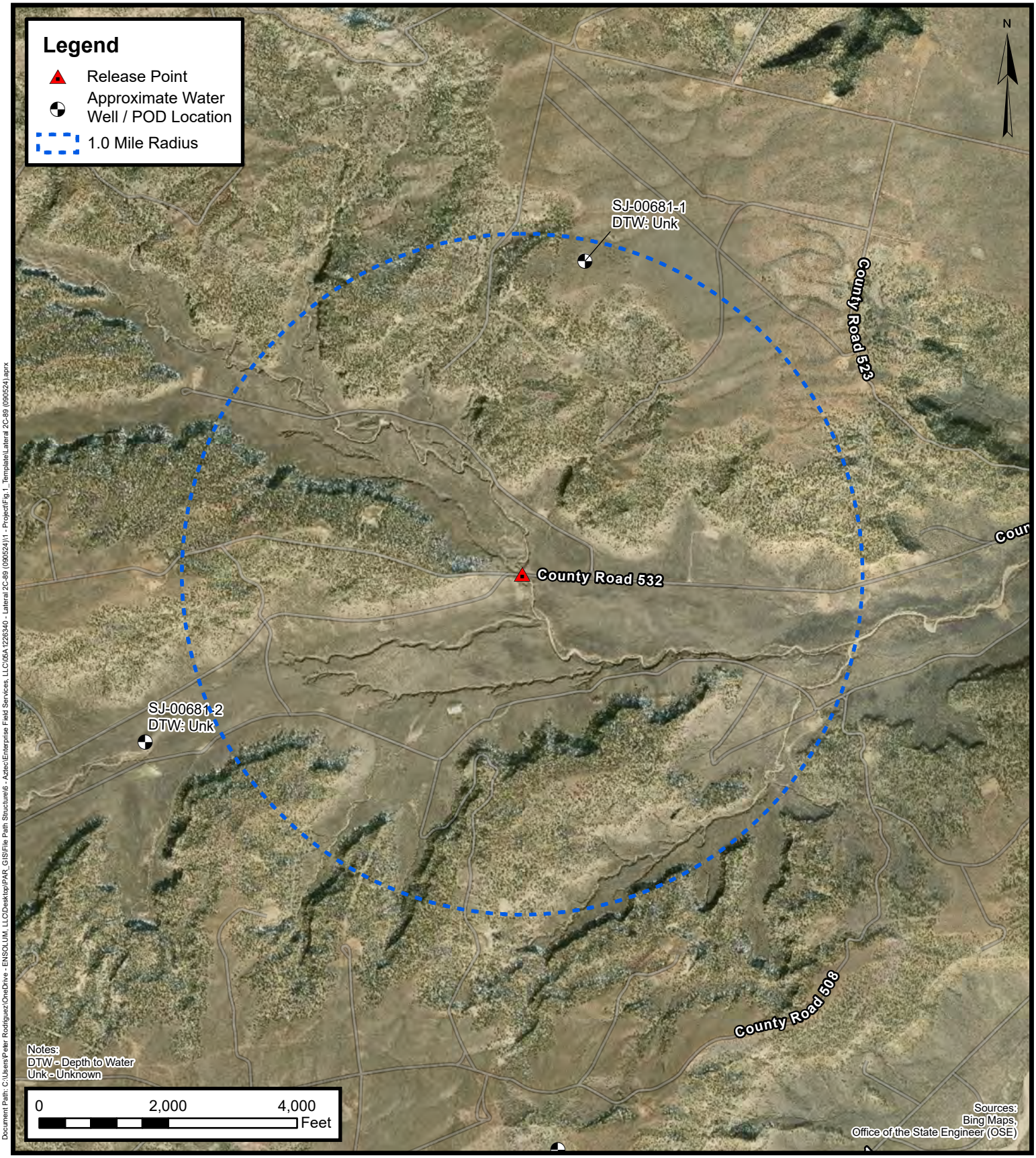
Figure 3

Project Number: 05A1226340

ENSOLUM

APPENDIX B

Siting Figures and Documentation



Document Path: C:\Users\Peter Rodriguez\OneDrive - ENSOLUM, LLC\Desktop\PAR_GIS\File Path Structure\6 - Aztec\Enterprise Field Services, LLC\05A1226340 - Lateral 2C-89 (090524)\1 - Project\Fig 1_Template\Lateral 2C-89 (090524).aprx

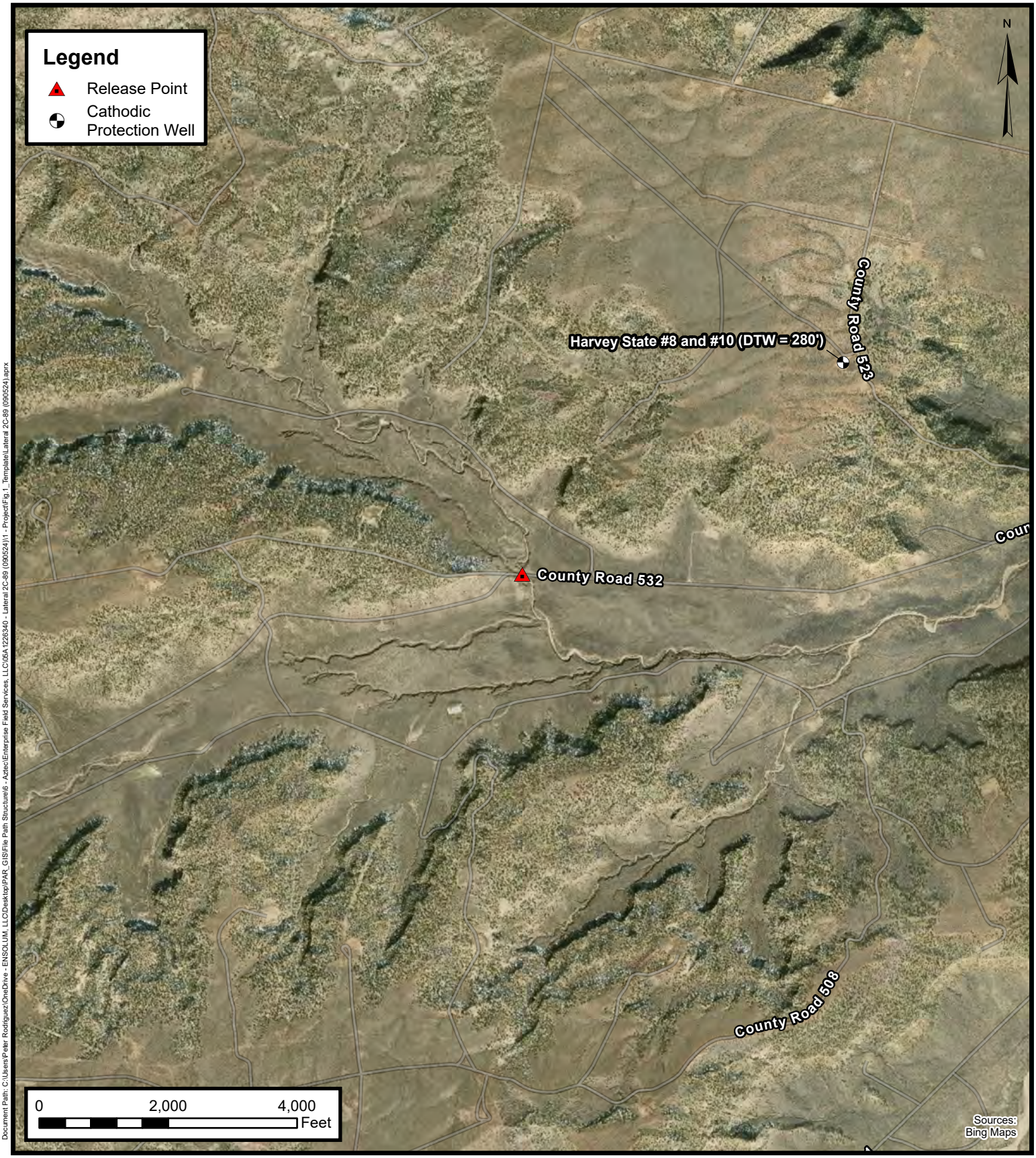
ENSOLUM
Environmental, Engineering and Hydrogeologic Consultants

1.0 Mile Radius Water Well / POD Location Map

Enterprise Field Services, LLC
Lateral 2C-89 (09/05/24)
Project Number: 05A1226340
Unit Letter F, S6 T24N R6W, Rio Arriba County, New Mexico
36.34521, -107.51348

FIGURE

A

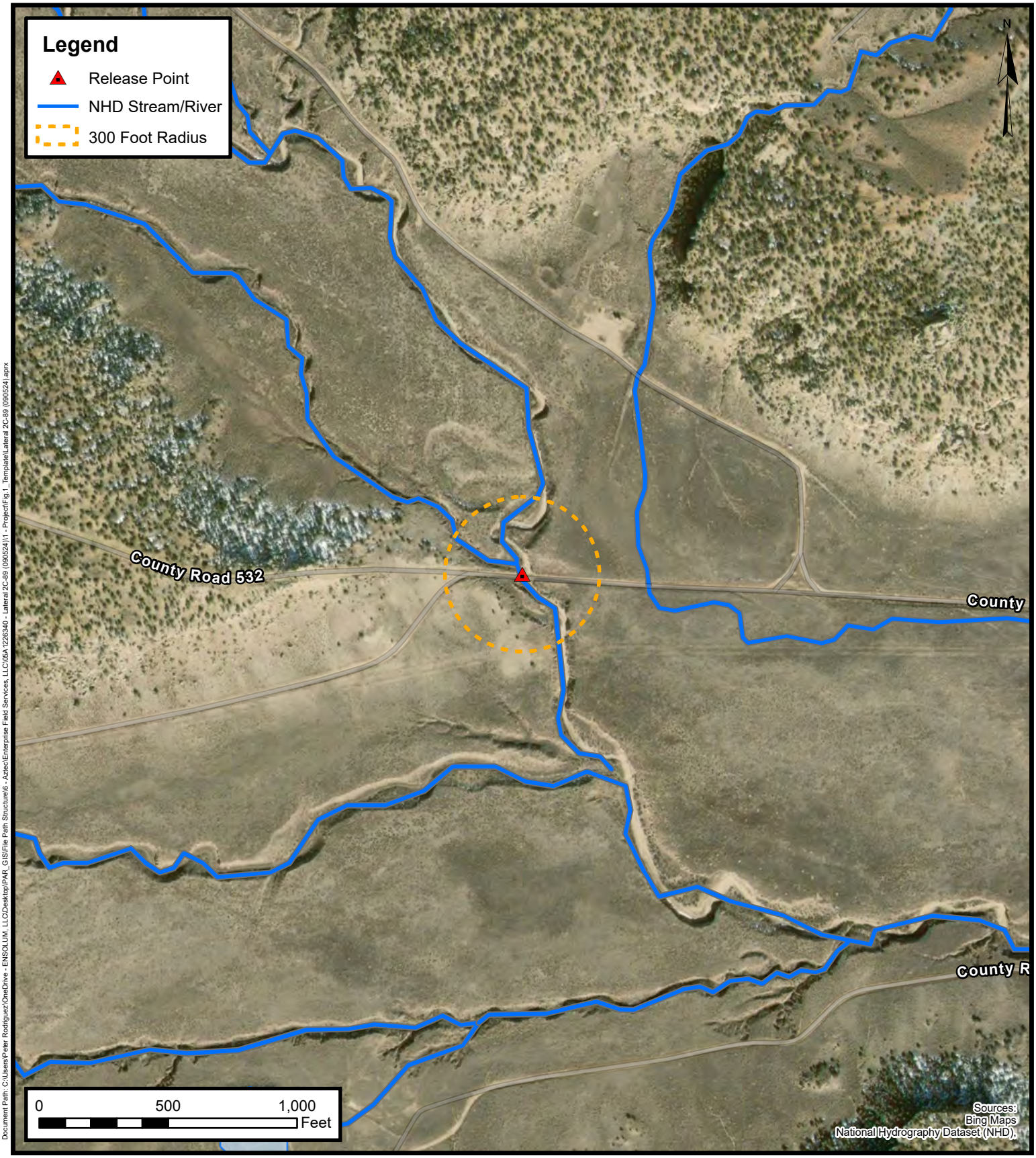


Document Path: C:\Users\Peter Rodriguez\OneDrive - ENSOLUM, LLC\Desktop\PAR_GIS\File Path Structure\6 - Aztec\Enterprise Field Services, LLC\05A1226340 - Lateral 2C-89 (090524)\1 - Project\Fig 1_Template\Lateral 2C-89 (090524).aprx

ENSOLUM
Environmental, Engineering and Hydrogeologic Consultants

Cathodic Protection Well
Recorded Depth to Water
Enterprise Field Services, LLC
Lateral 2C-89 (09/05/24)
Project Number: 05A1226340
Unit Letter F, S6 T24N R6W, Rio Arriba County, New Mexico
36.34521, -107.51348

FIGURE
B



Document Path: C:\Users\Peter Rodriguez\OneDrive - ENSOLUM, LLC\Desktop\PAR_GIS\File Path Structure\6 - Aztec\Enterprise Field Services, LLC\05A1226340 - Lateral 2C-89 (09\05\24)\1 - Project\Fig_1_Template\Lateral 2C-89 (090524).aprx

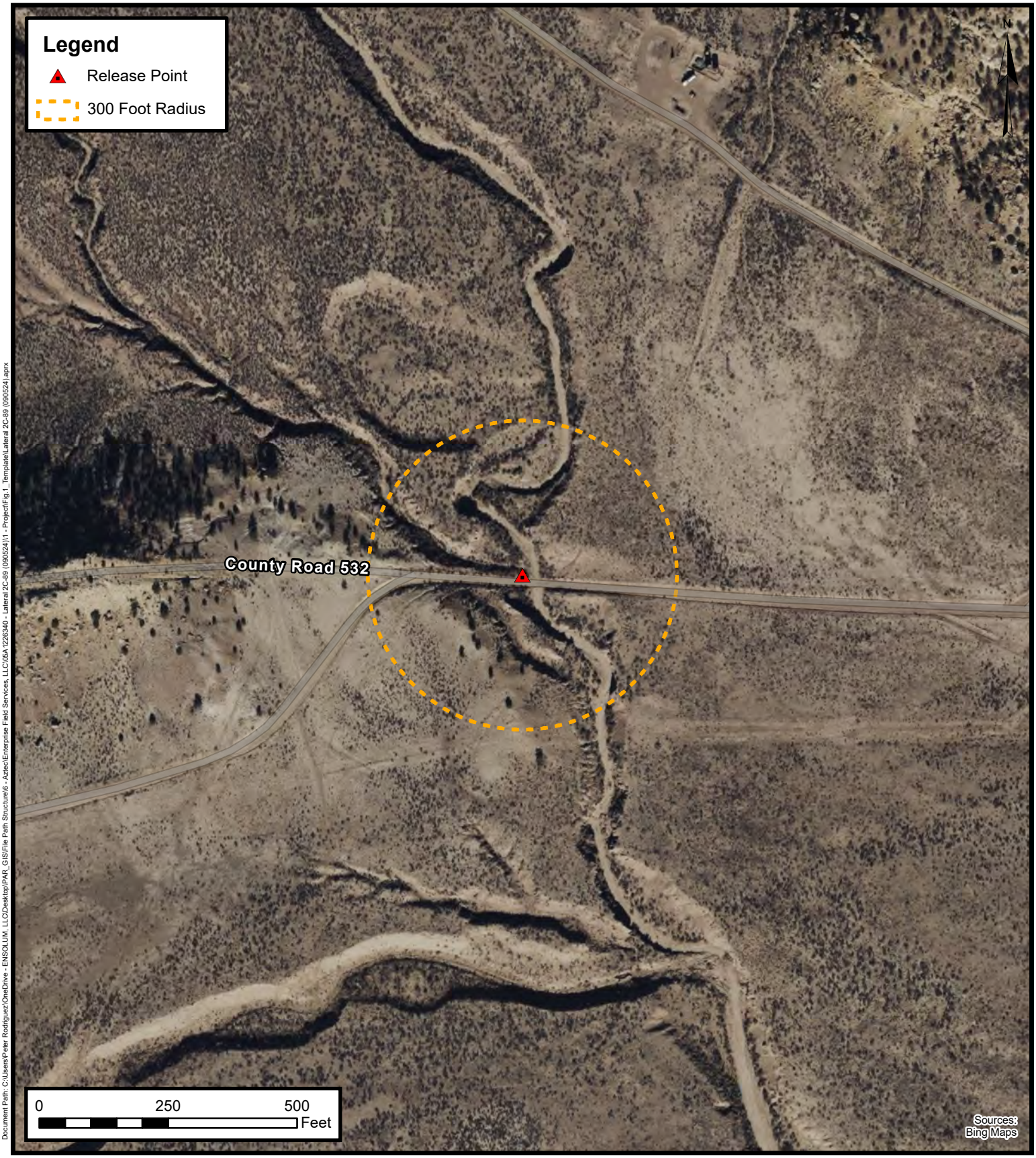
ENSOLUM
Environmental, Engineering and Hydrogeologic Consultants

300 Foot Radius Watercourse and Drainage Identification

Enterprise Field Services, LLC
Lateral 2C-89 (09/05/24)
Project Number: 05A1226340
Unit Letter F, S6 T24N R6W, Rio Arriba County, New Mexico
36.34521, -107.51348

FIGURE

C



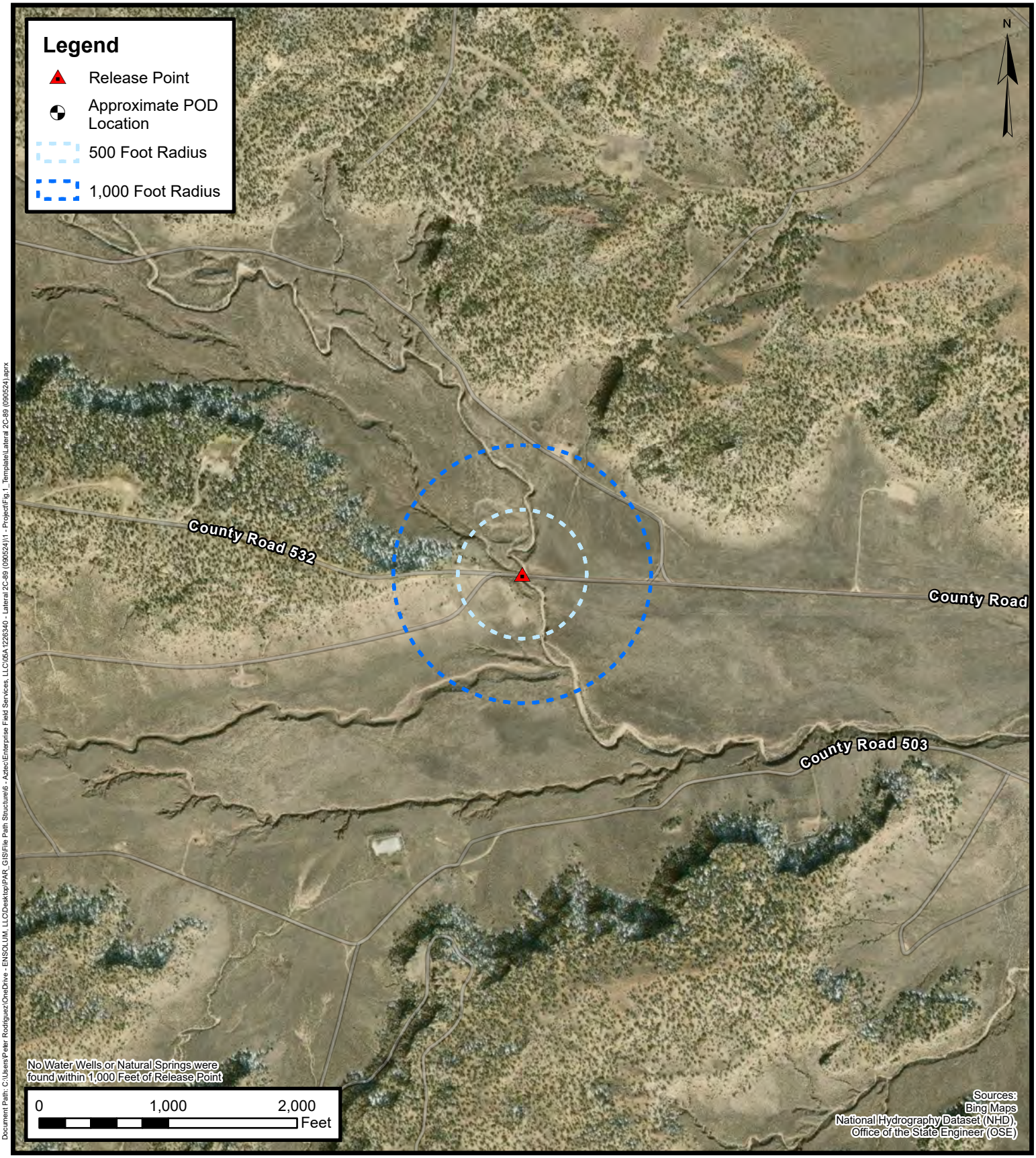
ENSOLUM
Environmental, Engineering and Hydrogeologic Consultants

300 Foot Radius Occupied Structure Identification

Enterprise Field Services, LLC
Lateral 2C-89 (09/05/24)
Project Number: 05A1226340
Unit Letter F, S6 T24N R6W, Rio Arriba County, New Mexico
36.34521, -107.51348

FIGURE

D

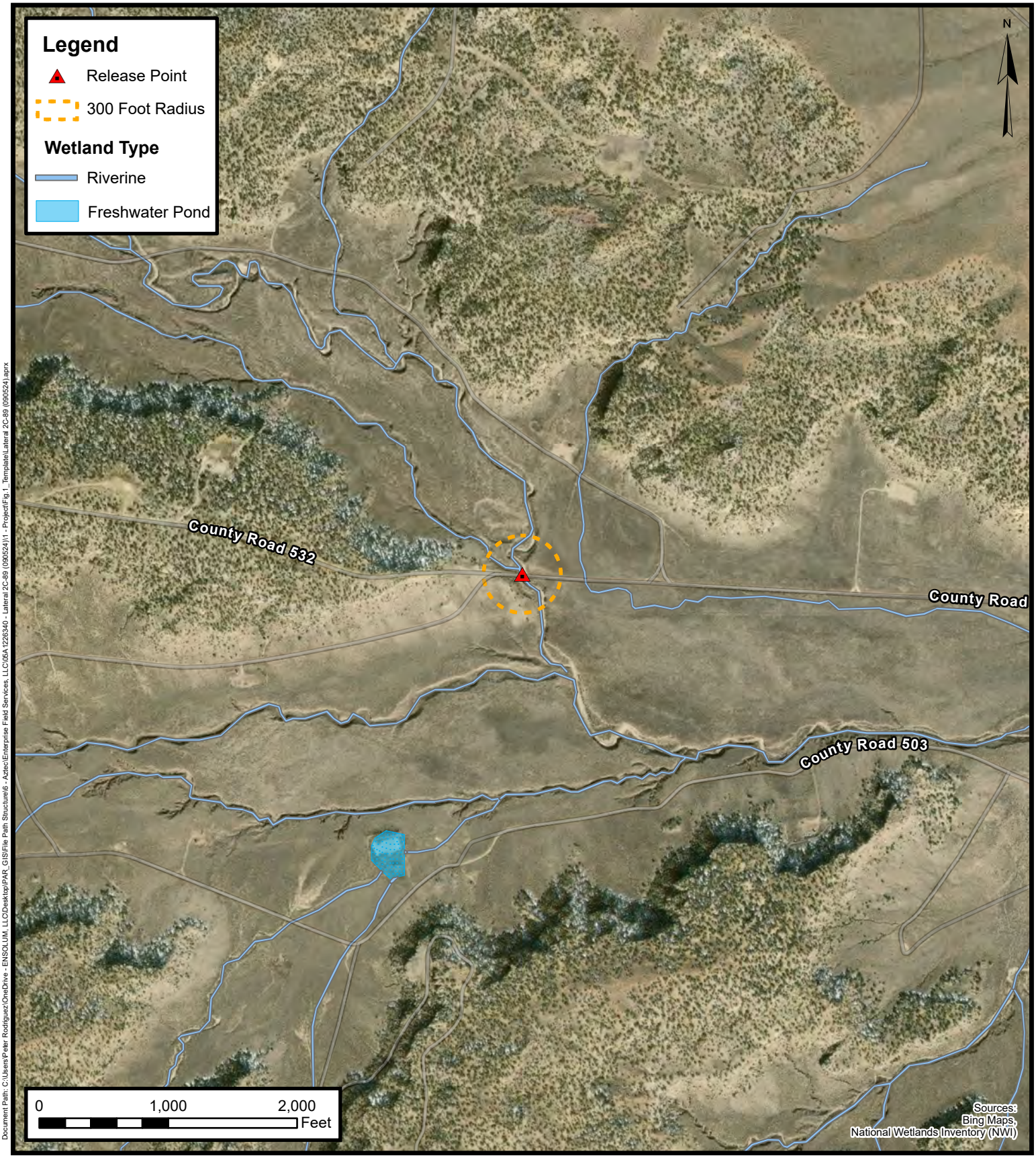


ENSOLUM
Environmental, Engineering and Hydrogeologic Consultants

Water Well and Natural Spring Location

Enterprise Field Services, LLC
Lateral 2C-89 (09/05/24)
Project Number: 05A1226340
Unit Letter F, S6 T24N R6W, Rio Arriba County, New Mexico
36.34521, -107.51348

FIGURE
E

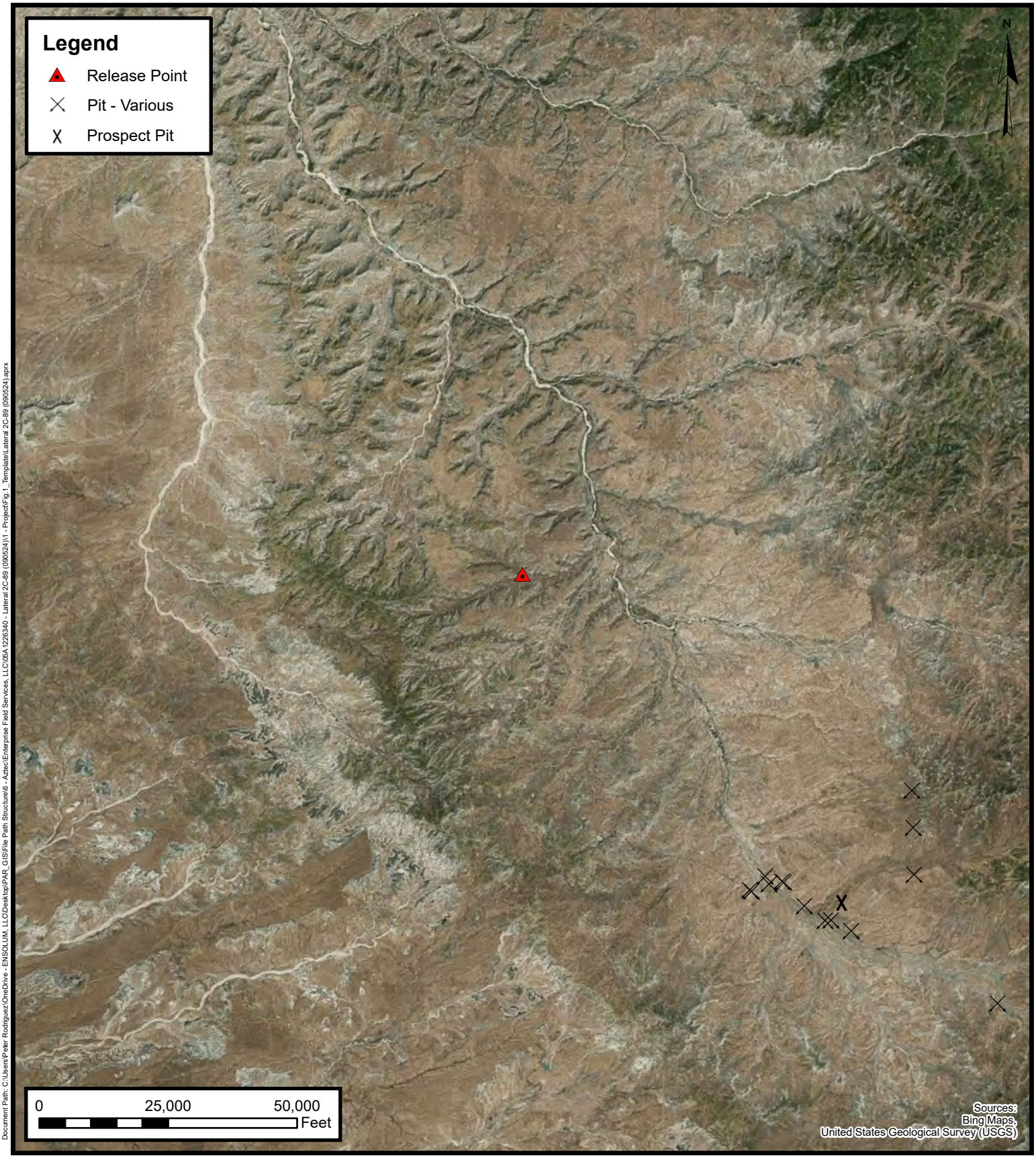


ENSOLUM
Environmental, Engineering and Hydrogeologic Consultants

Wetlands

Enterprise Field Services, LLC
Lateral 2C-89 (09/05/24)
Project Number: 05A1226340
Unit Letter F, S6 T24N R6W, Rio Arriba County, New Mexico
36.34521, -107.51348

FIGURE
F

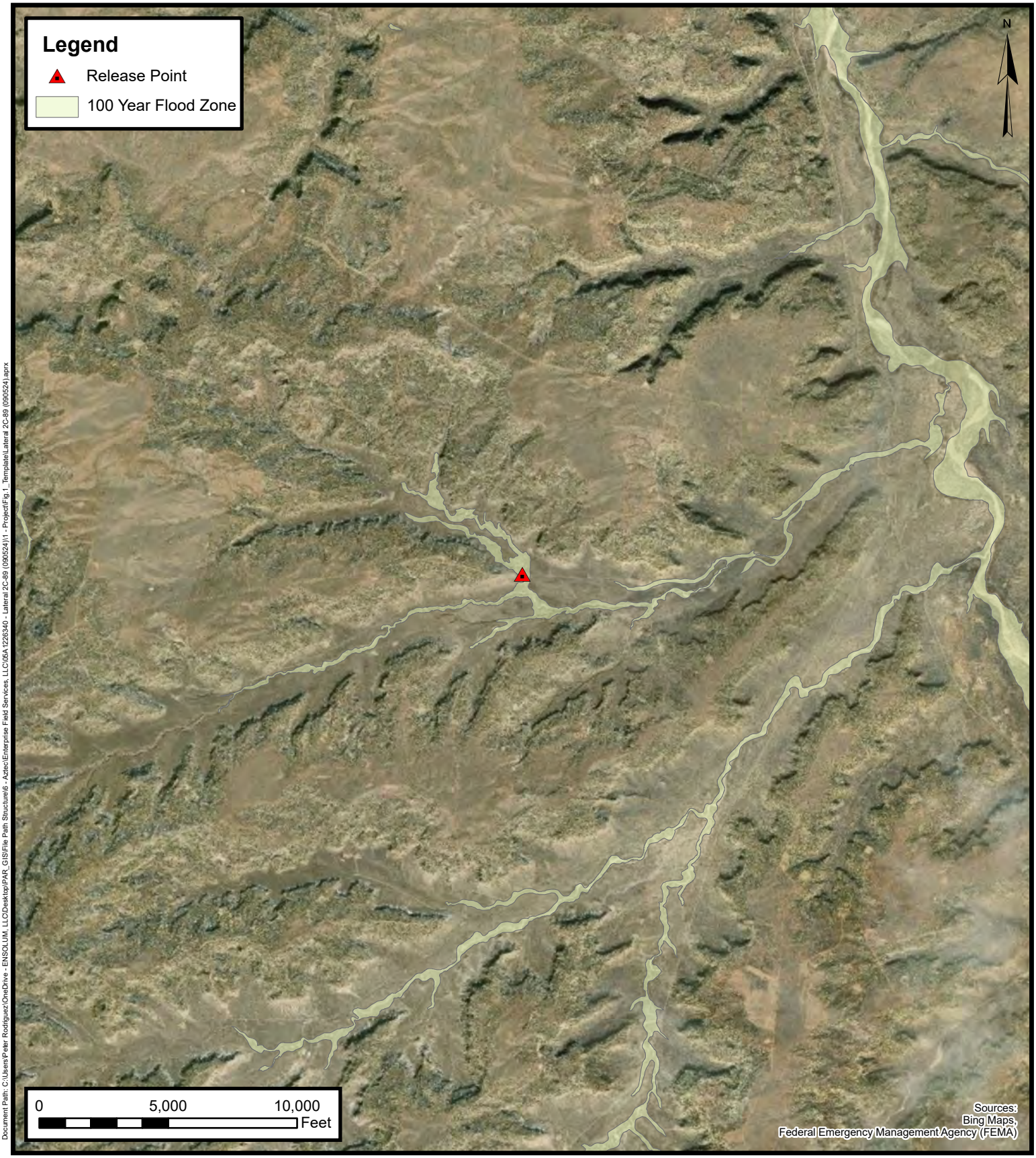


ENSOLUM
Environmental, Engineering and Hydrogeologic Consultants

Mines, Mills, and Quarries

Enterprise Field Services, LLC
Lateral 2C-89 (09/05/24)
Project Number: 05A1226340
Unit Letter F, S6 T24N R6W, Rio Arriba County, New Mexico
36.34521, -107.51348

FIGURE
G



Document Path: C:\Users\Peter Rodriguez\OneDrive - ENSOLUM, LLC\Desktop\PAR_GIS\File Path Structure\6 - Aztec\Enterprise Field Services, LLC\05A1226340 - Lateral 2C-89 (090524)\1 - Project\Fig 1_Template\Lateral 2C-89 (090524).aprx

ENSOLUM
Environmental, Engineering and Hydrogeologic Consultants

100-Year Flood Plain Map

Enterprise Field Services, LLC
Lateral 2C-89 (09/05/24)
Project Number: 05A1226340
Unit Letter F, S6 T24N R6W, Rio Arriba County, New Mexico
36.34521, -107.51348

FIGURE
H

1310

8- 30-039-05717

10- 30-039-23668

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

Operator MERIDIAN OIL INC. Location: Unit L Sec. 32 Twp 25 Rng 6

Name of Well/Wells or Pipeline Serviced HARVEY STATE #10, #8

cps 1918w

Elevation 6763' Completion Date 11/24/87 Total Depth 520' 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. 280' NO SAMPLE

Depths gas encountered: N/A

Type & amount of coke breeze used: N/A

Depths anodes placed: 435', 425', 415', 405', 395', 385', 375', 360', 350', 295'

Depths vent pipes placed: N/A

Vent pipe perforations: 260'

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.

MERIDIAN OIL INC.
San Juan Region
Post Office Box 4289
Farmington, New Mexico 87499
(505) 327-0251

Burlington Resources

Drilling Log (Alice Herrera) ☐ WELL CASING CATHODIC PROTECTION CONSTRUCTION REPORT Completion DAILY LOG Date 11-24-87

CPS #: | Well Name, Line or Plant: Harvey State #10 | Work Order #: | Static: -.79 N | Loc. Unsat. Check: ☑ Good ☐ Bad

19.8 W

Location:	Anode Size:	Anode Type:	Size Bit:
L-30-25-06	24"X60"	Duriron	6 3/4

Depth Drilled:	Depth Logged:	Drilling Rig Time:	Total Lbs. Coke Used:	Lost Circulation Mat'l Used:	No. Sacks Mud Used:
520	1455'	8 hrs			

	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10
Anode Depth:	435	425	415	405	395	385	375	360	350	295
Anode Output (Amps):	4.4	5.0	4.7	4.6	4.0	4.6	4.5	3.1	4.9	4.3
Anode Depth:	#11	#12	#13	#14	#15	#16	#17	#18	#19	#20
Anode Output (Amps):	#11	#12	#13	#14	#15	#16	#17	#18	#19	#20

Total Circuit Resistance: Volts 11.91 Amps 18.4 Ohms .647

No. 8 C.P. Cable Used:

No. 2 C.P. Cable Used:

Remarks: Driller said water was at 280'. No water sample was taken. Vent pipe is perforated up to 260'.

4300'

Rectifier Size: ____ V ____ A Solar

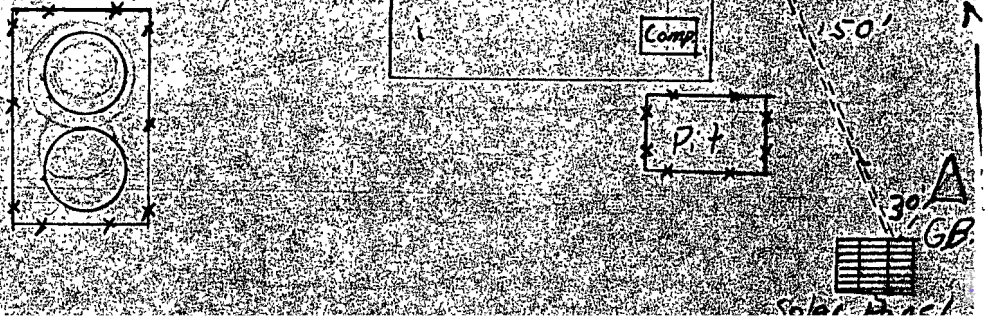
All Construction Completed

Kandy Smith (Signature)

Addn'l Depth:			
Depth Credit:	45' ✓	157.50 ✓	4142.50
Extra Cable:	30' ✓	1.50 ✓	
Ditch & 1 Cable:	30' ✓	12.90 ✓	
Ditch & 2 Cable:	150' ✓	82.50 ✓	
25' Meter Pole:			
20' Meter Pole:			
10' Stub Pole:			
Junction Box:	4 ea ✓		

4285.40 ✓
1% 214.27
4499.67 OK

GROUND BED LAYOUT SKETCH



BURG CORROSION SYSTEMS, INC.

P.O. BOX 1359 - PHONE 334-6141
AZTEC, NEW MEXICO 87410

DEEP WELL GROUNDBED LOG

Date 11-24-87

Company Meridian Oil

Well No. #10 Location Harvey State Volts Applied 11.91 Amperes 18

Depth		Depth				Depth			Depth	
0										
5		230				455	TD 455		680	
10		235				460			685	
15		240				465	① 435	26	690	4.4
20		245				470	② 425	30	695	5.0
25		250				475	③ 415	23	700	4.7
30		255				480	④ 405	2.9	705	4.6
35		260	.1			485	⑤ 395	2.5	710	4.0
40		265	.1			490	⑥ 385	29	715	4.6
45		270	1.6			495	⑦ 375	2.6	720	4.5
50		275	1.0			500	⑧ 360	29	725	5.1
55		280	.7			505	⑨ 350	2.9	730	4.9
60		285	1.0			510	⑩ 295	2.5	735	4.5
65		290	1.8			515			740	
70		295	2.0	✓	⑩	520			745	
75		300	1.9			525			750	
80		305	1.1			530			755	
85		310	.2			535			760	
90		315	.1			540			765	
95		320	.1			545			770	
100		325	.2			550			775	
105		330	1.0			555			780	
110		335	1.5			560			785	
115		340	1.5			565			790	
120		345	1.5			570			795	
125		350	1.9	✓	⑨	575			800	
130		355	2.3	✓		580			805	
135		360	2.2	✓	⑧	585			810	
140		365	1.8			590			815	
145		370	.8			595			820	
150		375	2.1	✓	⑦	600			825	
155		380	2.0			605			830	
160		385	2.3	✓	⑥	610			835	
165		390	2.2			615			840	
170		395	2.4	✓	⑤	620			845	
175		400	2.4			625			850	
180		405	2.9	✓	④	630			855	
185		410	2.7			635			860	
190		415	2.2	✓	③	640			865	
195		420	2.4			645			870	
200		425	2.9	✓	②	650			875	
205		430	2.8			655			880	
210		435	2.5	✓	①	660			885	
215		440	2.4			665			890	
220		445	2.6			670			895	
		450	2.6			675			900	

BURGE CORROSION SYSTEMS INC.
P.O. BOX 1359
AZTEC, NEW MEXICO 87410
DRILLING AND LOADING LOG

JOB NUMBER 147 HOLE DIAMETER 6 3/4 IN DATE 11-27-97
WELL NAME Harvey State #10 HOLE DEPTH 520 FT FINAL READING ____ VOLTS
COMPANY NAME Meridian NUM OF ANODES ____ FINAL READING ____ AMPS
LEGAL DESCRIPTION 1/4 ____ S 32 T 25 R 6 WATER DEPTH 220 FT FINAL READING ____ OHMS

CPS 19 18 U

HOLE DEPTH	SOIL TYPE	LOG AMPS	INITAL AMPS	FINAL AMPS	HOLE DEPTH	SOIL TYPE	LOG AMPS	INITAL AMPS	FINAL AMPS	HOLE DEPTH	SOIL TYPE	LOG AMPS	INITAL AMPS	FINAL AMPS
5	Sand				245	"				485	"			
10	"				250	"				490	"			
15	"				255	"				495	"			
20	"				260	"				500	"			
25	Shale				265	Sandstone				505	"			
30	"				270	"				510	"			
35	Sandstone				275	"				515	"			
40	"				280	"				520	"			
45	"				285	"				525				
50	"				290	"				530				
55	"				295	"				535				
60	"				300	"				540				
65	Shale				305	Sandy Shale				545				
70	Sandstone				310	"				550				
75	"				315	"				555				
80	"				320	"				560				
85	"				325	"				565				
90	"				330	"				570				
95	"				335	"				575				
100	"				340	"				580				
105	"				345	"				585				
110	"				350	"				590				
115	"				355	Sandstone				595				
120	"				360	"				600				
125	"				365	Shale				605				
130	"				370	"				610				
135	"				375	"				615				
140	"				380	"				620				
145	"				385	"				625				
150	"				390	"				630				
155	"				395	"				635				
160	"				400	"				640				
165	"				405	"				645				
170	"				410	"				650				
175	"				415	"				655				
180	"				420	"				660				
185	Water Sand				425	"				665				
190	"				430	"				670				
195	Shale				435	"				675				
200	"				440	"				680				
205	"				445	"				685				
210	Water Sand				450	"				690				
215	"				455	"				695				
220	"				460	"				700				
225	"				465	"				705				
230	"				470	"				710				
235	Shale				475	"				715				
240	"				480	"				720				

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: 06W
Township: 25N
Section: 31,32

*** 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: 07W
Township: 25N
Section: 36

*** 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: 06W
Township: 24N
Section: 5,6,7,8

*** 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: 07W
Township: 24N
Section: 1,12

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

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: Dwayne Dixon
AFE: N74605

2. Originating Site:
Lateral 2C-89

3. Location of Material (Street Address, City, State or ULSTR):
UL F Section 6 T24N R6W;36.345210, -107.513480

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) 670/605 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 9-6-2024, 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: 9/6/24
SIGNATURE: Greg Crabtree TELEPHONE NO.: 505-632-0615
Surface Waste Management Facility Authorized Agent

ENSOLUM

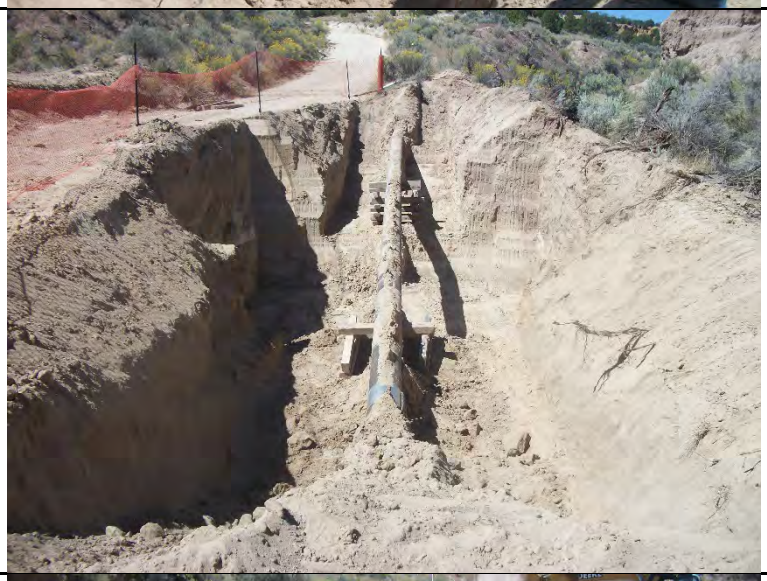
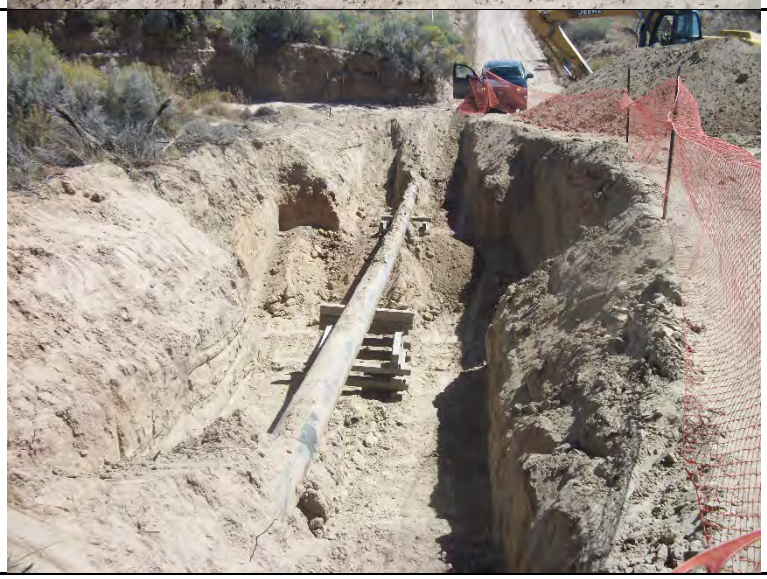
APPENDIX D

Photographic Documentation

SITE PHOTOGRAPHS

Closure Report
Enterprise Field Services, LLC
Angel Peak 2C-89 (09/05/24)
Ensolum Project No. 05A1226340

ENSOLUM

Photograph 1 Photograph Description: View of the in-process excavation activities.	
Photograph 2 Photograph Description: View of the in-process excavation activities.	
Photograph 3 Photograph Description: View of the in-process excavation activities.	

SITE PHOTOGRAPHS

Closure Report
Enterprise Field Services, LLC
Angel Peak 2C-89 (09/05/24)
Ensolum Project No. 05A1226340

ENSOLUM

Photograph 2 Photograph Description: View of the final excavation (partially backfilled).	
Photograph 3 Photograph Description: View of the excavation final restoration and reseeding.	

ENSOLUM

APPENDIX E

Regulatory Correspondence

From: OCDOnline@state.nm.us <OCDOnline@state.nm.us>
Sent: Thursday, September 12, 2024 12:05 PM
To: Long, Thomas <tjlong@eprod.com>
Subject: [EXTERNAL] The Oil Conservation Division (OCD) has accepted the application, Application ID: 383099

[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#) nAPP2424846665.

The sampling event is expected to take place:

When: 09/16/2024 @ 09:00
Where: F-06-24N-06W 0 FNL 0 FEL (36.34521,-107.51348)

Additional Information: Ensolum, LLC

Additional Instructions: 36.34521,-107.51348

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

Incident # nAPP2424846665

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

Nelson,

This email is a notification and a variance request. Enterprise is requesting a variance for required 48 hour notification per 19.15.29.12D (1a) NMAC. Enterprise would like to collect soil samples for laboratory analysis today, September 17, 2024 at 9:00 a.m. at the Lateral 2C-89 excavation. Please acknowledge acceptance of this variance request. If you have any questions, please call or email.

Thomas J. Long
Senior Environmental Scientist
Enterprise Products Company
614 Reilly Ave.
Farmington, New Mexico 87401
505-599-2286 (office)
505-215-4727 (Cell)
tjlong@eprod.com

From: Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>
Sent: Tuesday, September 17, 2024 8:45 AM
To: Long, Thomas <tjlong@eprod.com>
Cc: Stone, Brian <bmstone@eprod.com>
Subject: Re: [EXTERNAL] Lateral 2C-89 - UL F Section 6 T24N R6W;36.345210, -107.513480; NMOCD

Incident # nAPP2424846665

[Use caution with links/attachments]

Good morning Tom,

Thank you for the notice. Your variance request specifically addressing 19.15.29.12D (1a) NMAC is approved.

If an OCD representative is not on-site on the date &/or time given, please sample per 19.15.29 NMAC or from an OCD pre-approved sampling plan. For whatever reason, if the sampling timeframe is altered, please notify the OCD as soon as possible so we may adjust our schedule(s). Failure to notify the OCD of this change may result in the closure sample(s) not being accepted.

Please keep a copy of this communication for inclusion within the appropriate report submittal.

Regards,

Nelson Velez ● Environmental Specialist - Adv

Environmental Bureau | EMNRD - Oil Conservation Division

1000 Rio Brazos Road | Aztec, NM 87410

(505) 469-6146 | nelson.velez@emnrd.nm.gov

http://www.emnrd.nm.gov/ocd

From: Long, Thomas <tjlong@eprod.com>
Sent: Tuesday, September 17, 2024 8:39 AM
To: Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>
Cc: Stone, Brian <bmstone@eprod.com>
Subject: [EXTERNAL] Lateral 2C-89 - UL F Section 6 T24N R6W;36.345210, -107.513480; NMOCD

From: OCDOnline@state.nm.us
To: Long, Thomas
Subject: [EXTERNAL] The Oil Conservation Division (OCD) has accepted the application, Application ID: 386749
Date: Wednesday, September 25, 2024 10:09:16 AM

[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#) nAPP2424846665.

The sampling event is expected to take place:

When: 09/26/2024 @ 12:00
Where: F-06-24N-06W 0 FNL 0 FEL (36.34521,-107.51348)

Additional Information: Ensolum, LLC

Additional Instructions: 36.34521,-107.51348

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: Thursday, January 16, 2025 2:00 PM
To: Long, Thomas <tjlong@eprod.com>
Subject: [EXTERNAL] The Oil Conservation Division (OCD) has accepted the application, Application ID: 421750

[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#) nAPP2424846665.

The sampling event is expected to take place:

When: 01/23/2025 @ 13:00
Where: F-06-24N-06W 0 FNL 0 FEL (36.34521,-107.51348)

Additional Information: Ensolum, LLC

Additional Instructions: 36.34521,-107.51348

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: Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>
Sent: Monday, December 2, 2024 9:11 AM
To: Long, Thomas <tjlong@eprod.com>
Cc: Stone, Brian <bmstone@eprod.com>; Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>; Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>; Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>
Subject: [EXTERNAL] (Extension Approval) - Lateral 2C-89 -UL F Section 6 T24N R6W;36.345210, -107.513480; 36.85498,-108.11931; NMOCD Incident # nAPP2424846665

[Use caution with links/attachments]

RE: Incident **#NAPP2424846665**

Thomas,

OCD Permitting has been revamped recently and automatically defaults to 90 days for a Remediation Closure Report Extension, which this appears to be. An extension to **March 3rd, 2025** is approved. Please include this e-mail correspondence in the Remediation Closure Report.

Robert Hamlet ● Environmental Specialist - Advanced
Environmental Bureau

EMNRD - Oil Conservation Division
506 W. Texas Ave.| Artesia, NM 88210
575.909.0302 | robert.hamlet@emnrd.nm.gov
http://www.emnrd.state.nm.us/OCD/

From: Long, Thomas <tjlong@eprod.com>
Sent: Monday, December 2, 2024 8:45 AM
To: Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>; Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>
Cc: Stone, Brian <bmstone@eprod.com>
Subject: [EXTERNAL] Lateral 2C-89 -UL F Section 6 T24N R6W;36.345210, -107.513480; 36.85498,-108.11931; NMOCD Incident # nAPP2424846665

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

Nelson/Robert,

This email is a variance request for the 90-day closure report requirement submittal for the Lateral 2C-89 - UL F Section 6 T24N R6W;36.345210, -107.513480; NMOCD Incident # nAPP2424846665 release. The original due date for the closure report submittal is December 5, 2024. Enterprise requests time extension of an additional **30 days** for a new submittal due date of January 5, 2025. The reason for the time extension request is that third party contractor preparing the report does not have all the disposal documentation from the land farm facility and Enterprise internal review is required. Please acknowledge acceptance of this request.

Thomas J. Long
Senior Environmental Scientist
Enterprise Products Company
614 Reilly Ave.
Farmington, New Mexico 87401
505-599-2286 (office)
505-215-4727 (Cell)
tjlong@eprod.com

Enterprise Products

ENSOLUM

APPENDIX F

Table 1 – Soil Analytical Summary

ENSOLUM

TABLE 1
Lateral 2C-89 (09/05/24)
SOIL ANALYTICAL SUMMARY

Sample I.D.	Date	Sample Type C- Composite G - Grab	Sample Depth (feet)	Benzene (mg/kg)	Ethylbenzene (mg/kg)	Toluene (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	09.16.24	C	6	**140**	380	1,200	1,100	**2,800**	16,000	5,100	7,400	**29,000**	110
S-2	09.16.24	C	6	**130**	380	1,100	1,100	**2,700**	15,000	4,000	4,500	**24,000**	83
S-3	09.16.24	C	0 to 6	6.2	100	170	310	**590**	2,700	370	520	**3,600**	<60
S-4	09.16.24	C	0 to 6	<0.99	8.4	14	25	47	240	36	<48	**280**	<60
S-5	09.16.24	C	0 to 6	<0.97	9.0	15	27	**51**	220	91	76	**390**	<60
Excavation Composite Soil Samples													
S-6	09.17.24	C	11	<0.020	<0.039	<0.039	<0.079	ND	<3.9	<9.6	<48	ND	<60
S-7	09.17.24	C	11	<0.019	<0.038	<0.038	<0.075	ND	<3.8	<9.6	<48	ND	<60
S-8	09.17.24	C	11	<0.026	<0.052	<0.052	<0.10	ND	<5.2	<9.7	<48	ND	<60
S-9	09.17.24	C	8	<0.021	<0.042	<0.042	<0.084	ND	<4.2	<9.8	<49	ND	<60
S-10	09.17.24	C	8	<0.019	<0.039	<0.039	<0.077	ND	<3.9	<9.3	<47	ND	<60
S-11	09.17.24	C	0 to 11	<0.025	<0.050	<0.050	<0.10	ND	<5.0	<9.4	<47	ND	<60
S-12	09.17.24	C	0 to 11	<0.018	<0.036	<0.036	<0.072	ND	<3.6	<9.5	<48	ND	<60
S-13	09.17.24	C	0 to 8	<0.018	<0.036	<0.036	<0.072	ND	<3.6	<9.7	<49	ND	<60
S-14	09.17.24	C	0 to 8	<0.023	<0.046	<0.046	<0.092	ND	<4.6	<9.5	<47	ND	<60
S-15	09.17.24	C	0 to 8	<0.022	<0.043	<0.043	<0.087	ND	<4.3	<9.2	<46	ND	<60
S-16	09.17.24	C	0 to 11	<0.018	<0.035	<0.035	<0.070	ND	<3.5	<9.5	<48	ND	<60
S-17	09.17.24	C	0 to 11	<0.023	<0.046	<0.046	<0.091	ND	<4.6	<9.5	<48	ND	<60
S-18	09.26.24	C	12	<0.016	<0.032	<0.032	<0.063	ND	<3.2	<9.8	<49	ND	<60
S-19	09.26.24	C	12	<0.017	<0.033	<0.033	<0.067	ND	<3.3	<9.5	<47	ND	<60
S-20	09.26.24	C	0 to 12	<0.020	<0.041	<0.041	<0.081	ND	<4.1	<9.6	<48	ND	<60
S-21	09.26.24	C	0 to 12	<0.016	<0.031	<0.031	<0.062	ND	<3.1	<9.4	<47	ND	<60
S-22	09.26.24	C	0 to 12	<0.021	<0.042	<0.042	<0.084	ND	<4.2	<9.6	<48	ND	<60
S-23	09.26.24	C	0 to 12	<0.018	<0.037	<0.037	<0.074	ND	<3.7	<9.8	<49	ND	<60
S-24	09.26.24	C	0 to 12	<0.019	<0.039	<0.039	<0.078	ND	<3.9	<9.3	<47	ND	<60
S-25	09.26.24	C	0 to 12	<0.022	<0.043	<0.043	<0.087	ND	<4.3	<10	<50	ND	<60
Backfill Composite Soil Sample													
BF-1	01.23.25	C	BF	<0.019	<0.039	<0.039	<0.077	ND	<3.9	<9.8	<49	ND	<60

*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

NS = Not sampled

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 = Backfilled 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 9/23/2024 1:29:24 PM

JOB DESCRIPTION

Angel Peak 2C-89

JOB NUMBER

885-11897-1

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
9/23/2024 1:29:24 PM

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

Client: Ensolum
Project/Site: Angel Peak 2C-89

Laboratory Job ID: 885-11897-1

Table of Contents

Definitions/Glossary

Client: Ensolum Job ID: 885-11897-1
Project/Site: Angel Peak 2C-89

Qualifiers

GC VOA

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
S1+	Surrogate recovery exceeds control limits, high biased.

GC Semi VOA

Qualifier	Qualifier Description
D	Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution may be flagged with a D.
S1-	Surrogate recovery exceeds control limits, low biased.

HPLC/IC

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.

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: Angel Peak 2C-89

Job ID: 885-11897-1

Job ID: 885-11897-1 Eurofins Albuquerque

Job Narrative
885-11897-1

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 2.1°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
Method 8015D_DRO: The following samples required a dilution due to the nature of the sample matrix: S-1 (885-11897-1) and S-2 (885-11897-2). Because of this dilution, the surrogate spike concentration in the sample was reduced to a level where the recovery calculation does not provide useful information.

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

HPLC/IC
Method 300_OF_28D_PREC: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 885-12383 and analytical batch 885-12410 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.

Client Sample Results

Client: Ensolum
Job ID: 885-11897-1
Project/Site: Angel Peak 2C-89

Client Sample ID: S-1
Lab Sample ID: 885-11897-1
Date Collected: 09/16/24 09:00
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]	16000		1500		mg/Kg		09/17/24 09:31	09/17/24 14:15	500

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*145*		*35 - 166*	*09/17/24 09:31*	*09/17/24 14:15*	*500*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	140		7.4		mg/Kg		09/17/24 09:31	09/17/24 14:15	500
Ethylbenzene	380		15		mg/Kg		09/17/24 09:31	09/17/24 14:15	500
Toluene	1200		15		mg/Kg		09/17/24 09:31	09/17/24 14:15	500
Xylenes, Total	1100		29		mg/Kg		09/17/24 09:31	09/17/24 14:15	500

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*120*		*48 - 145*	*09/17/24 09:31*	*09/17/24 14:15*	*500*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	5100		90		mg/Kg		09/17/24 09:02	09/17/24 10:54	10
Motor Oil Range Organics [C28-C40]	7400		450		mg/Kg		09/17/24 09:02	09/17/24 10:54	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*0*	*S1- D*	*62 - 134*	*09/17/24 09:02*	*09/17/24 10:54*	*10*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	110	F1	60		mg/Kg		09/17/24 10:01	09/17/24 11:39	20

Client Sample Results

Client: Ensolum
Job ID: 885-11897-1
Project/Site: Angel Peak 2C-89

Client Sample ID: S-2
Lab Sample ID: 885-11897-2
Date Collected: 09/16/24 09:05
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]	15000		1500		mg/Kg		09/17/24 09:31	09/17/24 14:37	500

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*147*		*35 - 166*	*09/17/24 09:31*	*09/17/24 14:37*	*500*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	130		7.5		mg/Kg		09/17/24 09:31	09/17/24 14:37	500
Ethylbenzene	380		15		mg/Kg		09/17/24 09:31	09/17/24 14:37	500
Toluene	1100		15		mg/Kg		09/17/24 09:31	09/17/24 14:37	500
Xylenes, Total	1100		30		mg/Kg		09/17/24 09:31	09/17/24 14:37	500

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*121*		*48 - 145*	*09/17/24 09:31*	*09/17/24 14:37*	*500*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	4000		96		mg/Kg		09/17/24 09:02	09/17/24 11:35	10
Motor Oil Range Organics [C28-C40]	4500		480		mg/Kg		09/17/24 09:02	09/17/24 11:35	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*0*	*S1- D*	*62 - 134*	*09/17/24 09:02*	*09/17/24 11:35*	*10*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	83		60		mg/Kg		09/17/24 10:01	09/17/24 11:54	20

Client Sample Results

Client: Ensolum
Job ID: 885-11897-1
Project/Site: Angel Peak 2C-89

Client Sample ID: S-3
Lab Sample ID: 885-11897-3
Date Collected: 09/16/24 09:10
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]	2700		170		mg/Kg		09/17/24 09:31	09/17/24 12:48	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*245*	*S1+*	*35 - 166*	*09/17/24 09:31*	*09/17/24 12:48*	*50*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	6.2		0.85		mg/Kg		09/17/24 09:31	09/17/24 12:48	50
Ethylbenzene	100		1.7		mg/Kg		09/17/24 09:31	09/17/24 12:48	50
Toluene	170		1.7		mg/Kg		09/17/24 09:31	09/17/24 12:48	50
Xylenes, Total	310		3.4		mg/Kg		09/17/24 09:31	09/17/24 12:48	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*154*	*S1+*	*48 - 145*	*09/17/24 09:31*	*09/17/24 12:48*	*50*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	370		9.7		mg/Kg		09/17/24 09:02	09/17/24 12:27	1
Motor Oil Range Organics [C28-C40]	520		48		mg/Kg		09/17/24 09:02	09/17/24 12:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*95*		*62 - 134*	*09/17/24 09:02*	*09/17/24 12:27*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		60		mg/Kg		09/17/24 10:01	09/17/24 12:09	20

Client Sample Results

Client: Ensolum
Job ID: 885-11897-1
Project/Site: Angel Peak 2C-89

Client Sample ID: S-4
Lab Sample ID: 885-11897-4
Date Collected: 09/16/24 09:15
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]	**240**		200		mg/Kg		09/17/24 09:31	09/17/24 13:09	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*35 - 166*	*09/17/24 09:31*	*09/17/24 13:09*	*50*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.99		mg/Kg		09/17/24 09:31	09/17/24 13:09	50
Ethylbenzene	**8.4**		2.0		mg/Kg		09/17/24 09:31	09/17/24 13:09	50
Toluene	**14**		2.0		mg/Kg		09/17/24 09:31	09/17/24 13:09	50
Xylenes, Total	**25**		4.0		mg/Kg		09/17/24 09:31	09/17/24 13:09	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*48 - 145*	*09/17/24 09:31*	*09/17/24 13:09*	*50*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**36**		9.6		mg/Kg		09/17/24 09:02	09/17/24 13:09	1
Motor Oil Range Organics [C28-C40]	ND		48		mg/Kg		09/17/24 09:02	09/17/24 13:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*96*		*62 - 134*	*09/17/24 09:02*	*09/17/24 13:09*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		60		mg/Kg		09/17/24 10:01	09/17/24 12:55	20

Client Sample Results

Client: Ensolum
Job ID: 885-11897-1
Project/Site: Angel Peak 2C-89

Client Sample ID: S-5
Lab Sample ID: 885-11897-5
Date Collected: 09/16/24 09:20
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]	220		190		mg/Kg		09/17/24 09:31	09/17/24 13:31	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*119*		*35 - 166*	*09/17/24 09:31*	*09/17/24 13:31*	*50*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.97		mg/Kg		09/17/24 09:31	09/17/24 13:31	50
Ethylbenzene	9.0		1.9		mg/Kg		09/17/24 09:31	09/17/24 13:31	50
Toluene	15		1.9		mg/Kg		09/17/24 09:31	09/17/24 13:31	50
Xylenes, Total	27		3.9		mg/Kg		09/17/24 09:31	09/17/24 13:31	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*48 - 145*	*09/17/24 09:31*	*09/17/24 13:31*	*50*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	91		9.8		mg/Kg		09/17/24 09:02	09/17/24 13:30	1
Motor Oil Range Organics [C28-C40]	76		49		mg/Kg		09/17/24 09:02	09/17/24 13:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*97*		*62 - 134*	*09/17/24 09:02*	*09/17/24 13:30*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		60		mg/Kg		09/17/24 10:01	09/17/24 13:10	20

QC Sample Results

Client: Ensolum
Project/Site: Angel Peak 2C-89

Job ID: 885-11897-1

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

Lab Sample ID: MB 885-12359/1-A
Matrix: Solid
Analysis Batch: 12418

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 12359

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 09:31	09/17/24 11:20	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*35 - 166*	*09/17/24 09:31*	*09/17/24 11:20*	*1*

Lab Sample ID: LCS 885-12359/2-A
Matrix: Solid
Analysis Batch: 12418

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 12359

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics [C6 - C10]			25.0	26.3		mg/Kg		105	70 - 130		

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

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 885-12359/1-A
Matrix: Solid
Analysis Batch: 12419

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 12359

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025		mg/Kg		09/17/24 09:31	09/17/24 11:20	1
Ethylbenzene	ND		0.050		mg/Kg		09/17/24 09:31	09/17/24 11:20	1
Toluene	ND		0.050		mg/Kg		09/17/24 09:31	09/17/24 11:20	1
Xylenes, Total	ND		0.10		mg/Kg		09/17/24 09:31	09/17/24 11:20	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*48 - 145*	*09/17/24 09:31*	*09/17/24 11:20*	*1*

Lab Sample ID: LCS 885-12359/3-A
Matrix: Solid
Analysis Batch: 12419

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 12359

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			1.00	1.01		mg/Kg		101	70 - 130		
Ethylbenzene			1.00	1.01		mg/Kg		101	70 - 130		
Toluene			1.00	1.01		mg/Kg		101	70 - 130		
Xylenes, Total			3.00	3.02		mg/Kg		101	70 - 130		

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

QC Sample Results

Client: Ensolum
Project/Site: Angel Peak 2C-89

Job ID: 885-11897-1

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

Lab Sample ID: 885-11897-1 MS
Matrix: Solid
Analysis Batch: 12419

Client Sample ID: S-1
Prep Type: Total/NA
Prep Batch: 12359

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	140		0.590	409	4	mg/Kg		45325	70 - 130
Ethylbenzene	380		0.590	606	4	mg/Kg		38550	70 - 130
Toluene	1200		0.590	1250	4	mg/Kg		14800	70 - 130
Xylenes, Total	1100		1.77	1770	4	mg/Kg		38783	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*119*		*48 - 145*

Lab Sample ID: 885-11897-1 MSD
Matrix: Solid
Analysis Batch: 12419

Client Sample ID: S-1
Prep Type: Total/NA
Prep Batch: 12359

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	140		0.590	407	4	mg/Kg		45050	70 - 130	0	20
Ethylbenzene	380		0.590	605	4	mg/Kg		38350	70 - 130	0	20
Toluene	1200		0.590	1250	4	mg/Kg		14500	70 - 130	0	20
Xylenes, Total	1100		1.77	1770	4	mg/Kg		38758	70 - 130	0	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*114*		*48 - 145*

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*

QC Sample Results

Client: Ensolum
Project/Site: Angel Peak 2C-89

Job ID: 885-11897-1

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

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		

Lab Sample ID: 885-11897-1 MS
Matrix: Solid
Analysis Batch: 12410

Client Sample ID: S-1
Prep Type: Total/NA
Prep Batch: 12383

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	110	F1	30.1	119	F1	mg/Kg		36	50 - 150		

Lab Sample ID: 885-11897-1 MSD
Matrix: Solid
Analysis Batch: 12410

Client Sample ID: S-1
Prep Type: Total/NA
Prep Batch: 12383

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	110	F1	30.1	130		mg/Kg		70	50 - 150	8	20

QC Association Summary

Client: Ensolum
Project/Site: Angel Peak 2C-89

Job ID: 885-11897-1

GC VOA

Prep Batch: 12359

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-11897-1	S-1	Total/NA	Solid	5035	
885-11897-2	S-2	Total/NA	Solid	5035	
885-11897-3	S-3	Total/NA	Solid	5035	
885-11897-4	S-4	Total/NA	Solid	5035	
885-11897-5	S-5	Total/NA	Solid	5035	
MB 885-12359/1-A	Method Blank	Total/NA	Solid	5035	
LCS 885-12359/2-A	Lab Control Sample	Total/NA	Solid	5035	
LCS 885-12359/3-A	Lab Control Sample	Total/NA	Solid	5035	
885-11897-1 MS	S-1	Total/NA	Solid	5035	
885-11897-1 MSD	S-1	Total/NA	Solid	5035	

Analysis Batch: 12418

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-11897-1	S-1	Total/NA	Solid	8015M/D	12359
885-11897-2	S-2	Total/NA	Solid	8015M/D	12359
885-11897-3	S-3	Total/NA	Solid	8015M/D	12359
885-11897-4	S-4	Total/NA	Solid	8015M/D	12359
885-11897-5	S-5	Total/NA	Solid	8015M/D	12359
MB 885-12359/1-A	Method Blank	Total/NA	Solid	8015M/D	12359
LCS 885-12359/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	12359

Analysis Batch: 12419

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-11897-1	S-1	Total/NA	Solid	8021B	12359
885-11897-2	S-2	Total/NA	Solid	8021B	12359
885-11897-3	S-3	Total/NA	Solid	8021B	12359
885-11897-4	S-4	Total/NA	Solid	8021B	12359
885-11897-5	S-5	Total/NA	Solid	8021B	12359
MB 885-12359/1-A	Method Blank	Total/NA	Solid	8021B	12359
LCS 885-12359/3-A	Lab Control Sample	Total/NA	Solid	8021B	12359
885-11897-1 MS	S-1	Total/NA	Solid	8021B	12359
885-11897-1 MSD	S-1	Total/NA	Solid	8021B	12359

GC Semi VOA

Analysis Batch: 12346

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-11897-1	S-1	Total/NA	Solid	8015M/D	12356
885-11897-2	S-2	Total/NA	Solid	8015M/D	12356
885-11897-3	S-3	Total/NA	Solid	8015M/D	12356
885-11897-4	S-4	Total/NA	Solid	8015M/D	12356
885-11897-5	S-5	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

Prep Batch: 12356

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-11897-1	S-1	Total/NA	Solid	SHAKE	
885-11897-2	S-2	Total/NA	Solid	SHAKE	
885-11897-3	S-3	Total/NA	Solid	SHAKE	
885-11897-4	S-4	Total/NA	Solid	SHAKE	

QC Association Summary

Client: Ensolum
Job ID: 885-11897-1
Project/Site: Angel Peak 2C-89

GC Semi VOA (Continued)

Prep Batch: 12356 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-11897-5	S-5	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	

HPLC/IC

Prep Batch: 12383

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-11897-1	S-1	Total/NA	Solid	300_Prep	
885-11897-2	S-2	Total/NA	Solid	300_Prep	
885-11897-3	S-3	Total/NA	Solid	300_Prep	
885-11897-4	S-4	Total/NA	Solid	300_Prep	
885-11897-5	S-5	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	
885-11897-1 MS	S-1	Total/NA	Solid	300_Prep	
885-11897-1 MSD	S-1	Total/NA	Solid	300_Prep	

Analysis Batch: 12410

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-11897-1	S-1	Total/NA	Solid	300.0	12383
885-11897-2	S-2	Total/NA	Solid	300.0	12383
885-11897-3	S-3	Total/NA	Solid	300.0	12383
885-11897-4	S-4	Total/NA	Solid	300.0	12383
885-11897-5	S-5	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
885-11897-1 MS	S-1	Total/NA	Solid	300.0	12383
885-11897-1 MSD	S-1	Total/NA	Solid	300.0	12383

Lab Chronicle

Client: Ensolum
Job ID: 885-11897-1
Project/Site: Angel Peak 2C-89

Client Sample ID: S-1
Lab Sample ID: 885-11897-1
Date Collected: 09/16/24 09:00
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			12359	AT	EET ALB	09/17/24 09:31
Total/NA	Analysis	8015M/D		500	12418	AT	EET ALB	09/17/24 14:15
Total/NA	Prep	5035			12359	AT	EET ALB	09/17/24 09:31
Total/NA	Analysis	8021B		500	12419	AT	EET ALB	09/17/24 14:15
Total/NA	Prep	SHAKE			12356	EM	EET ALB	09/17/24 09:02
Total/NA	Analysis	8015M/D		10	12346	EM	EET ALB	09/17/24 10:54
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 11:39

Client Sample ID: S-2
Lab Sample ID: 885-11897-2
Date Collected: 09/16/24 09:05
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			12359	AT	EET ALB	09/17/24 09:31
Total/NA	Analysis	8015M/D		500	12418	AT	EET ALB	09/17/24 14:37
Total/NA	Prep	5035			12359	AT	EET ALB	09/17/24 09:31
Total/NA	Analysis	8021B		500	12419	AT	EET ALB	09/17/24 14:37
Total/NA	Prep	SHAKE			12356	EM	EET ALB	09/17/24 09:02
Total/NA	Analysis	8015M/D		10	12346	EM	EET ALB	09/17/24 11:35
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 11:54

Client Sample ID: S-3
Lab Sample ID: 885-11897-3
Date Collected: 09/16/24 09:10
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			12359	AT	EET ALB	09/17/24 09:31
Total/NA	Analysis	8015M/D		50	12418	AT	EET ALB	09/17/24 12:48
Total/NA	Prep	5035			12359	AT	EET ALB	09/17/24 09:31
Total/NA	Analysis	8021B		50	12419	AT	EET ALB	09/17/24 12:48
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 12:27
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 12:09

Client Sample ID: S-4
Lab Sample ID: 885-11897-4
Date Collected: 09/16/24 09:15
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			12359	AT	EET ALB	09/17/24 09:31
Total/NA	Analysis	8015M/D		50	12418	AT	EET ALB	09/17/24 13:09

Lab Chronicle

Client: Ensolum
Job ID: 885-11897-1
Project/Site: Angel Peak 2C-89

Client Sample ID: S-4
Lab Sample ID: 885-11897-4
Date Collected: 09/16/24 09:15
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			12359	AT	EET ALB	09/17/24 09:31
Total/NA	Analysis	8021B		50	12419	AT	EET ALB	09/17/24 13:09
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 13:09
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 12:55

Client Sample ID: S-5
Lab Sample ID: 885-11897-5
Date Collected: 09/16/24 09:20
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			12359	AT	EET ALB	09/17/24 09:31
Total/NA	Analysis	8015M/D		50	12418	AT	EET ALB	09/17/24 13:31
Total/NA	Prep	5035			12359	AT	EET ALB	09/17/24 09:31
Total/NA	Analysis	8021B		50	12419	AT	EET ALB	09/17/24 13:31
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 13:30
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 13:10

Laboratory References:

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

Accreditation/Certification Summary

Client: Ensolum
Job ID: 885-11897-1
Project/Site: Angel Peak 2C-89

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 Suit A Aztec

Phone #:

email or Fax#:

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

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other

☐ EDD (Type)

Turn-Around Time: 10 days
☐ Standard ☒ Rush 9-17-24

Project Name: Angel Peak 2C-89

Project #:

Project Manager: K Summers

Sampler: CDAponti

On Ice: ☒ Yes ☐ No

# of Coolers: 1 (cherry)

Cooler Temp (including CF): 2.3-0.2=2.1 (°C)

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

885-11897 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)
9/16	900	S	S-1	4oz Jar	Cool	1	✓	✓					✓			
9/16	905	S	S-2		Cool	2	✓	✓					✓			
9/16	910	S	S-3		Cool	3	✓	✓					✓			
9/16	915	S	S-4		Cool	4	✓	✓					✓			
9/16	920	S	S-5		Cool	5	✓	✓					✓			

Date	Time	Relinquished by:	Received by:	Via	Date	Time
9/16/24	1525				9/16/24	1525
9/16/24	1705			Courier	9/17/24	7:15

Remarks: Tom Long AM140588

Save Day

Login Sample Receipt Checklist

Client: Ensolum Job Number: 885-11897-1

Login Number: 11897 **List Source: Eurofins Albuquerque**
List Number: 1
Creator: McQuiston, Steven

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 9/30/2024 3:49:12 PM

JOB DESCRIPTION

Angel Peak 2C-89

JOB NUMBER

885-12020-1

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
9/30/2024 3:49:12 PM

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

Client: Ensolum
Project/Site: Angel Peak 2C-89

Laboratory Job ID: 885-12020-1

Table of Contents

Definitions/Glossary

Client: Ensolum Job ID: 885-12020-1
Project/Site: Angel Peak 2C-89

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: Angel Peak 2C-89

Job ID: 885-12020-1

Job ID: 885-12020-1 Eurofins Albuquerque

Job Narrative
885-12020-1

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 9/18/2024 7:25 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 1.8°C and 3.2°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: Angel Peak 2C-89

Job ID: 885-12020-1

Client Sample ID: S-6

Date Collected: 09/17/24 09:00
Date Received: 09/18/24 07:25

Lab Sample ID: 885-12020-1

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		09/18/24 08:47	09/18/24 12:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*35 - 166*	*09/18/24 08:47*	*09/18/24 12:17*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.020		mg/Kg		09/18/24 08:47	09/18/24 12:17	1
Ethylbenzene	ND		0.039		mg/Kg		09/18/24 08:47	09/18/24 12:17	1
Toluene	ND		0.039		mg/Kg		09/18/24 08:47	09/18/24 12:17	1
Xylenes, Total	ND		0.079		mg/Kg		09/18/24 08:47	09/18/24 12:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*83*		*48 - 145*	*09/18/24 08:47*	*09/18/24 12:17*	*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		09/18/24 08:35	09/18/24 10:16	1
Motor Oil Range Organics [C28-C40]	ND		48		mg/Kg		09/18/24 08:35	09/18/24 10:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*95*		*62 - 134*	*09/18/24 08:35*	*09/18/24 10:16*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		60		mg/Kg		09/18/24 09:25	09/18/24 16:58	20

Client Sample Results

Client: Ensolum
Project/Site: Angel Peak 2C-89

Job ID: 885-12020-1

Client Sample ID: S-7

Date Collected: 09/17/24 09:05
Date Received: 09/18/24 07:25

Lab Sample ID: 885-12020-2

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		3.8		mg/Kg		09/18/24 08:47	09/18/24 12:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*35 - 166*	*09/18/24 08:47*	*09/18/24 12:40*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.019		mg/Kg		09/18/24 08:47	09/18/24 12:40	1
Ethylbenzene	ND		0.038		mg/Kg		09/18/24 08:47	09/18/24 12:40	1
Toluene	ND		0.038		mg/Kg		09/18/24 08:47	09/18/24 12:40	1
Xylenes, Total	ND		0.075		mg/Kg		09/18/24 08:47	09/18/24 12:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*85*		*48 - 145*	*09/18/24 08:47*	*09/18/24 12:40*	*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		09/18/24 08:35	09/18/24 10:27	1
Motor Oil Range Organics [C28-C40]	ND		48		mg/Kg		09/18/24 08:35	09/18/24 10:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*98*		*62 - 134*	*09/18/24 08:35*	*09/18/24 10:27*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		60		mg/Kg		09/18/24 09:25	09/18/24 17:36	20

Client Sample Results

Client: Ensolum
Job ID: 885-12020-1
Project/Site: Angel Peak 2C-89

Client Sample ID: S-8
Lab Sample ID: 885-12020-3
Date Collected: 09/17/24 09:10
Matrix: Solid
Date Received: 09/18/24 07:25

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		5.2		mg/Kg		09/18/24 08:47	09/18/24 13:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*35 - 166*	*09/18/24 08:47*	*09/18/24 13:04*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.026		mg/Kg		09/18/24 08:47	09/18/24 13:04	1
Ethylbenzene	ND		0.052		mg/Kg		09/18/24 08:47	09/18/24 13:04	1
Toluene	ND		0.052		mg/Kg		09/18/24 08:47	09/18/24 13:04	1
Xylenes, Total	ND		0.10		mg/Kg		09/18/24 08:47	09/18/24 13:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*83*		*48 - 145*	*09/18/24 08:47*	*09/18/24 13:04*	*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]	ND		9.7		mg/Kg		09/18/24 08:35	09/18/24 10:37	1
Motor Oil Range Organics [C28-C40]	ND		48		mg/Kg		09/18/24 08:35	09/18/24 10:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*101*		*62 - 134*	*09/18/24 08:35*	*09/18/24 10:37*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		60		mg/Kg		09/18/24 09:25	09/18/24 17:49	20

Client Sample Results

Client: Ensolum
Project/Site: Angel Peak 2C-89

Job ID: 885-12020-1

Client Sample ID: S-9

Date Collected: 09/17/24 09:15
Date Received: 09/18/24 07:25

Lab Sample ID: 885-12020-4

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		4.2		mg/Kg		09/18/24 08:47	09/18/24 13:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*35 - 166*	*09/18/24 08:47*	*09/18/24 13:27*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.021		mg/Kg		09/18/24 08:47	09/18/24 13:27	1
Ethylbenzene	ND		0.042		mg/Kg		09/18/24 08:47	09/18/24 13:27	1
Toluene	ND		0.042		mg/Kg		09/18/24 08:47	09/18/24 13:27	1
Xylenes, Total	ND		0.084		mg/Kg		09/18/24 08:47	09/18/24 13:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*83*		*48 - 145*	*09/18/24 08:47*	*09/18/24 13:27*	*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		09/18/24 08:35	09/18/24 10:48	1
Motor Oil Range Organics [C28-C40]	ND		49		mg/Kg		09/18/24 08:35	09/18/24 10:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*102*		*62 - 134*	*09/18/24 08:35*	*09/18/24 10:48*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		60		mg/Kg		09/18/24 09:25	09/18/24 18:02	20

Client Sample Results

Client: Ensolum
Project/Site: Angel Peak 2C-89

Job ID: 885-12020-1

Client Sample ID: S-10

Date Collected: 09/17/24 09:20
Date Received: 09/18/24 07:25

Lab Sample ID: 885-12020-5

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		3.9		mg/Kg		09/18/24 08:47	09/18/24 13:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*35 - 166*	*09/18/24 08:47*	*09/18/24 13:50*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.019		mg/Kg		09/18/24 08:47	09/18/24 13:50	1
Ethylbenzene	ND		0.039		mg/Kg		09/18/24 08:47	09/18/24 13:50	1
Toluene	ND		0.039		mg/Kg		09/18/24 08:47	09/18/24 13:50	1
Xylenes, Total	ND		0.077		mg/Kg		09/18/24 08:47	09/18/24 13:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*85*		*48 - 145*	*09/18/24 08:47*	*09/18/24 13:50*	*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		9.3		mg/Kg		09/18/24 08:35	09/18/24 10:59	1
Motor Oil Range Organics [C28-C40]	ND		47		mg/Kg		09/18/24 08:35	09/18/24 10:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*102*		*62 - 134*	*09/18/24 08:35*	*09/18/24 10:59*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		60		mg/Kg		09/18/24 09:25	09/18/24 18:15	20

Client Sample Results

Client: Ensolum
Job ID: 885-12020-1
Project/Site: Angel Peak 2C-89

Client Sample ID: S-11
Lab Sample ID: 885-12020-6
Date Collected: 09/17/24 09:25
Matrix: Solid
Date Received: 09/18/24 07:25

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		5.0		mg/Kg		09/18/24 08:47	09/18/24 14:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*35 - 166*	*09/18/24 08:47*	*09/18/24 14:14*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025		mg/Kg		09/18/24 08:47	09/18/24 14:14	1
Ethylbenzene	ND		0.050		mg/Kg		09/18/24 08:47	09/18/24 14:14	1
Toluene	ND		0.050		mg/Kg		09/18/24 08:47	09/18/24 14:14	1
Xylenes, Total	ND		0.10		mg/Kg		09/18/24 08:47	09/18/24 14:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*86*		*48 - 145*	*09/18/24 08:47*	*09/18/24 14:14*	*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		09/18/24 08:35	09/18/24 11:10	1
Motor Oil Range Organics [C28-C40]	ND		47		mg/Kg		09/18/24 08:35	09/18/24 11:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*91*		*62 - 134*	*09/18/24 08:35*	*09/18/24 11:10*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		60		mg/Kg		09/18/24 09:25	09/18/24 18:28	20

Client Sample Results

Client: Ensolum
Job ID: 885-12020-1
Project/Site: Angel Peak 2C-89

Client Sample ID: S-12
Lab Sample ID: 885-12020-7
Date Collected: 09/17/24 09:30
Matrix: Solid
Date Received: 09/18/24 07:25

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		09/18/24 08:48	09/18/24 11:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*35 - 166*	*09/18/24 08:48*	*09/18/24 11:20*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.018		mg/Kg		09/18/24 08:48	09/18/24 11:20	1
Ethylbenzene	ND		0.036		mg/Kg		09/18/24 08:48	09/18/24 11:20	1
Toluene	ND		0.036		mg/Kg		09/18/24 08:48	09/18/24 11:20	1
Xylenes, Total	ND		0.072		mg/Kg		09/18/24 08:48	09/18/24 11:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*48 - 145*	*09/18/24 08:48*	*09/18/24 11:20*	*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		9.5		mg/Kg		09/18/24 08:35	09/18/24 11:20	1
Motor Oil Range Organics [C28-C40]	ND		48		mg/Kg		09/18/24 08:35	09/18/24 11:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*95*		*62 - 134*	*09/18/24 08:35*	*09/18/24 11:20*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		60		mg/Kg		09/18/24 09:25	09/18/24 19:07	20

Client Sample Results

Client: Ensolum
Project/Site: Angel Peak 2C-89

Job ID: 885-12020-1

Client Sample ID: S-13
Date Collected: 09/17/24 09:35
Date Received: 09/18/24 07:25

Lab Sample ID: 885-12020-8
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		3.6		mg/Kg		09/18/24 08:48	09/18/24 11:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*35 - 166*	*09/18/24 08:48*	*09/18/24 11:41*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.018		mg/Kg		09/18/24 08:48	09/18/24 11:41	1
Ethylbenzene	ND		0.036		mg/Kg		09/18/24 08:48	09/18/24 11:41	1
Toluene	ND		0.036		mg/Kg		09/18/24 08:48	09/18/24 11:41	1
Xylenes, Total	ND		0.072		mg/Kg		09/18/24 08:48	09/18/24 11:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*48 - 145*	*09/18/24 08:48*	*09/18/24 11:41*	*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		9.7		mg/Kg		09/18/24 08:35	09/18/24 11:31	1
Motor Oil Range Organics [C28-C40]	ND		49		mg/Kg		09/18/24 08:35	09/18/24 11:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*95*		*62 - 134*	*09/18/24 08:35*	*09/18/24 11:31*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		60		mg/Kg		09/18/24 09:25	09/18/24 19:19	20

Client Sample Results

Client: Ensolum
Job ID: 885-12020-1
Project/Site: Angel Peak 2C-89

Client Sample ID: S-14
Lab Sample ID: 885-12020-9
Date Collected: 09/17/24 09:40
Matrix: Solid
Date Received: 09/18/24 07:25

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		4.6		mg/Kg		09/18/24 08:48	09/18/24 12:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*35 - 166*	*09/18/24 08:48*	*09/18/24 12:03*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.023		mg/Kg		09/18/24 08:48	09/18/24 12:03	1
Ethylbenzene	ND		0.046		mg/Kg		09/18/24 08:48	09/18/24 12:03	1
Toluene	ND		0.046		mg/Kg		09/18/24 08:48	09/18/24 12:03	1
Xylenes, Total	ND		0.092		mg/Kg		09/18/24 08:48	09/18/24 12:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*48 - 145*	*09/18/24 08:48*	*09/18/24 12:03*	*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		09/18/24 08:35	09/18/24 11:53	1
Motor Oil Range Organics [C28-C40]	ND		47		mg/Kg		09/18/24 08:35	09/18/24 11:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*94*		*62 - 134*	*09/18/24 08:35*	*09/18/24 11:53*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		60		mg/Kg		09/18/24 09:25	09/18/24 19:32	20

Client Sample Results

Client: Ensolum
Job ID: 885-12020-1
Project/Site: Angel Peak 2C-89

Client Sample ID: S-15
Lab Sample ID: 885-12020-10
Date Collected: 09/17/24 09:45
Matrix: Solid
Date Received: 09/18/24 07:25

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		4.3		mg/Kg		09/18/24 08:48	09/18/24 12:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*35 - 166*	*09/18/24 08:48*	*09/18/24 12:25*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.022		mg/Kg		09/18/24 08:48	09/18/24 12:25	1
Ethylbenzene	ND		0.043		mg/Kg		09/18/24 08:48	09/18/24 12:25	1
Toluene	ND		0.043		mg/Kg		09/18/24 08:48	09/18/24 12:25	1
Xylenes, Total	ND		0.087		mg/Kg		09/18/24 08:48	09/18/24 12:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*48 - 145*	*09/18/24 08:48*	*09/18/24 12:25*	*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		9.2		mg/Kg		09/18/24 08:35	09/18/24 12:03	1
Motor Oil Range Organics [C28-C40]	ND		46		mg/Kg		09/18/24 08:35	09/18/24 12:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*95*		*62 - 134*	*09/18/24 08:35*	*09/18/24 12:03*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		60		mg/Kg		09/18/24 09:25	09/18/24 19:45	20

Client Sample Results

Client: Ensolum
Project/Site: Angel Peak 2C-89

Job ID: 885-12020-1

Client Sample ID: S-16
Date Collected: 09/17/24 09:50
Date Received: 09/18/24 07:25

Lab Sample ID: 885-12020-11
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		3.5		mg/Kg		09/18/24 08:48	09/18/24 12:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*35 - 166*	*09/18/24 08:48*	*09/18/24 12:47*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.018		mg/Kg		09/18/24 08:48	09/18/24 12:47	1
Ethylbenzene	ND		0.035		mg/Kg		09/18/24 08:48	09/18/24 12:47	1
Toluene	ND		0.035		mg/Kg		09/18/24 08:48	09/18/24 12:47	1
Xylenes, Total	ND		0.070		mg/Kg		09/18/24 08:48	09/18/24 12:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*48 - 145*	*09/18/24 08:48*	*09/18/24 12:47*	*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		9.5		mg/Kg		09/18/24 08:35	09/18/24 12:14	1
Motor Oil Range Organics [C28-C40]	ND		48		mg/Kg		09/18/24 08:35	09/18/24 12:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*95*		*62 - 134*	*09/18/24 08:35*	*09/18/24 12:14*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		60		mg/Kg		09/18/24 09:25	09/19/24 09:48	20

Client Sample Results

Client: Ensolum
Project/Site: Angel Peak 2C-89

Job ID: 885-12020-1

Client Sample ID: S-17

Date Collected: 09/17/24 09:55
Date Received: 09/18/24 07:25

Lab Sample ID: 885-12020-12

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		4.6		mg/Kg		09/18/24 08:48	09/18/24 13:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*35 - 166*	*09/18/24 08:48*	*09/18/24 13:09*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.023		mg/Kg		09/18/24 08:48	09/18/24 13:09	1
Ethylbenzene	ND		0.046		mg/Kg		09/18/24 08:48	09/18/24 13:09	1
Toluene	ND		0.046		mg/Kg		09/18/24 08:48	09/18/24 13:09	1
Xylenes, Total	ND		0.091		mg/Kg		09/18/24 08:48	09/18/24 13:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*48 - 145*	*09/18/24 08:48*	*09/18/24 13:09*	*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		09/18/24 08:35	09/18/24 12:25	1
Motor Oil Range Organics [C28-C40]	ND		48		mg/Kg		09/18/24 08:35	09/18/24 12:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*96*		*62 - 134*	*09/18/24 08:35*	*09/18/24 12:25*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		60		mg/Kg		09/18/24 09:25	09/19/24 10:26	20

QC Sample Results

Client: Ensolum
Project/Site: Angel Peak 2C-89

Job ID: 885-12020-1

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

Lab Sample ID: MB 885-12440/1-A
Matrix: Solid
Analysis Batch: 12495

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 12440

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		5.0		mg/Kg		09/18/24 08:47	09/18/24 11:53	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*35 - 166*	*09/18/24 08:47*	*09/18/24 11:53*	*1*

Lab Sample ID: LCS 885-12440/2-A
Matrix: Solid
Analysis Batch: 12495

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 12440

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics [C6 - C10]			25.0	24.2		mg/Kg		97	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*200*		*35 - 166*

Lab Sample ID: 885-12020-1 MS
Matrix: Solid
Analysis Batch: 12495

Client Sample ID: S-6
Prep Type: Total/NA
Prep Batch: 12440

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics [C6 - C10]	ND		19.7	19.2		mg/Kg		97	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*197*		*35 - 166*

Lab Sample ID: 885-12020-1 MSD
Matrix: Solid
Analysis Batch: 12495

Client Sample ID: S-6
Prep Type: Total/NA
Prep Batch: 12440

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		19.7	20.3		mg/Kg		103	70 - 130	6	20

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

Lab Sample ID: MB 885-12441/1-A
Matrix: Solid
Analysis Batch: 12491

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 12441

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		5.0		mg/Kg		09/18/24 08:48	09/18/24 10:15	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*35 - 166*	*09/18/24 08:48*	*09/18/24 10:15*	*1*

Eurofins Albuquerque

QC Sample Results

Client: Ensolum
Project/Site: Angel Peak 2C-89

Job ID: 885-12020-1

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

Lab Sample ID: LCS 885-12441/2-A
Matrix: Solid
Analysis Batch: 12491

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 12441

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics [C6 - C10]			25.0	26.0		mg/Kg		104	70 - 130		

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

Lab Sample ID: 885-12020-7 MS
Matrix: Solid
Analysis Batch: 12491

Client Sample ID: S-12
Prep Type: Total/NA
Prep Batch: 12441

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics [C6 - C10]	ND		18.1	18.7		mg/Kg		103	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*209*		*35 - 166*

Lab Sample ID: 885-12020-7 MSD
Matrix: Solid
Analysis Batch: 12491

Client Sample ID: S-12
Prep Type: Total/NA
Prep Batch: 12441

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		18.1	18.5		mg/Kg		102	70 - 130	1	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*205*		*35 - 166*

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 885-12440/1-A
Matrix: Solid
Analysis Batch: 12497

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 12440

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025		mg/Kg		09/18/24 08:47	09/18/24 11:53	1
Ethylbenzene	ND		0.050		mg/Kg		09/18/24 08:47	09/18/24 11:53	1
Toluene	ND		0.050		mg/Kg		09/18/24 08:47	09/18/24 11:53	1
Xylenes, Total	ND		0.10		mg/Kg		09/18/24 08:47	09/18/24 11:53	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*83*		*48 - 145*	*09/18/24 08:47*	*09/18/24 11:53*	*1*

QC Sample Results

Client: Ensolum
Project/Site: Angel Peak 2C-89

Job ID: 885-12020-1

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

Lab Sample ID: LCS 885-12440/3-A
Matrix: Solid
Analysis Batch: 12497

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 12440

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			1.00	0.913		mg/Kg		91	70 - 130		
Ethylbenzene			1.00	0.833		mg/Kg		83	70 - 130		
Toluene			1.00	0.857		mg/Kg		86	70 - 130		
Xylenes, Total			3.00	2.49		mg/Kg		83	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*85*		*48 - 145*

Lab Sample ID: 885-12020-2 MS
Matrix: Solid
Analysis Batch: 12497

Client Sample ID: S-7
Prep Type: Total/NA
Prep Batch: 12440

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	ND		0.752	0.690		mg/Kg		92	70 - 130		
Ethylbenzene	ND		0.752	0.636		mg/Kg		84	70 - 130		
Toluene	ND		0.752	0.649		mg/Kg		86	70 - 130		
Xylenes, Total	ND		2.26	1.89		mg/Kg		84	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*87*		*48 - 145*

Lab Sample ID: 885-12020-2 MSD
Matrix: Solid
Analysis Batch: 12497

Client Sample ID: S-7
Prep Type: Total/NA
Prep Batch: 12440

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	ND		0.752	0.674		mg/Kg		90	70 - 130	2	20
Ethylbenzene	ND		0.752	0.623		mg/Kg		83	70 - 130	2	20
Toluene	ND		0.752	0.631		mg/Kg		84	70 - 130	3	20
Xylenes, Total	ND		2.26	1.86		mg/Kg		82	70 - 130	2	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*87*		*48 - 145*

Lab Sample ID: MB 885-12441/1-A
Matrix: Solid
Analysis Batch: 12493

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 12441

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025		mg/Kg		09/18/24 08:48	09/18/24 10:15	1
Ethylbenzene	ND		0.050		mg/Kg		09/18/24 08:48	09/18/24 10:15	1
Toluene	ND		0.050		mg/Kg		09/18/24 08:48	09/18/24 10:15	1
Xylenes, Total	ND		0.10		mg/Kg		09/18/24 08:48	09/18/24 10:15	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*48 - 145*	*09/18/24 08:48*	*09/18/24 10:15*	*1*

QC Sample Results

Client: Ensolum
Project/Site: Angel Peak 2C-89

Job ID: 885-12020-1

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

Lab Sample ID: LCS 885-12441/3-A
Matrix: Solid
Analysis Batch: 12493

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 12441

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			1.00	1.05		mg/Kg		105	70 - 130		
Ethylbenzene			1.00	1.06		mg/Kg		106	70 - 130		
Toluene			1.00	1.06		mg/Kg		106	70 - 130		
Xylenes, Total			3.00	3.18		mg/Kg		106	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*109*		*48 - 145*

Lab Sample ID: 885-12020-8 MS
Matrix: Solid
Analysis Batch: 12493

Client Sample ID: S-13
Prep Type: Total/NA
Prep Batch: 12441

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	ND		0.719	0.739		mg/Kg		103	70 - 130		
Ethylbenzene	ND		0.719	0.737		mg/Kg		103	70 - 130		
Toluene	ND		0.719	0.735		mg/Kg		102	70 - 130		
Xylenes, Total	ND		2.16	2.20		mg/Kg		102	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*104*		*48 - 145*

Lab Sample ID: 885-12020-8 MSD
Matrix: Solid
Analysis Batch: 12493

Client Sample ID: S-13
Prep Type: Total/NA
Prep Batch: 12441

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	ND		0.719	0.716		mg/Kg		100	70 - 130	3	20
Ethylbenzene	ND		0.719	0.718		mg/Kg		100	70 - 130	3	20
Toluene	ND		0.719	0.718		mg/Kg		100	70 - 130	2	20
Xylenes, Total	ND		2.16	2.13		mg/Kg		99	70 - 130	4	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*101*		*48 - 145*

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

Lab Sample ID: MB 885-12436/1-A
Matrix: Solid
Analysis Batch: 12456

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 12436

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		10		mg/Kg		09/18/24 08:35	09/18/24 09:55	1
Motor Oil Range Organics [C28-C40]	ND		50		mg/Kg		09/18/24 08:35	09/18/24 09:55	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*89*		*62 - 134*	*09/18/24 08:35*	*09/18/24 09:55*	*1*

QC Sample Results

Client: Ensolum
Project/Site: Angel Peak 2C-89

Job ID: 885-12020-1

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

Lab Sample ID: LCS 885-12436/2-A
Matrix: Solid
Analysis Batch: 12456

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 12436

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Diesel Range Organics [C10-C28]			50.0	40.4		mg/Kg		81	60 - 135		

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

Lab Sample ID: 885-12020-12 MS
Matrix: Solid
Analysis Batch: 12456

Client Sample ID: S-17
Prep Type: Total/NA
Prep Batch: 12436

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Diesel Range Organics [C10-C28]	ND		49.0	40.9		mg/Kg		83	44 - 136		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Di-n-octyl phthalate (Surr)	*98*		*62 - 134*

Lab Sample ID: 885-12020-12 MSD
Matrix: Solid
Analysis Batch: 12456

Client Sample ID: S-17
Prep Type: Total/NA
Prep Batch: 12436

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		48.4	41.3		mg/Kg		85	44 - 136	1	32

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Di-n-octyl phthalate (Surr)	*95*		*62 - 134*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 885-12453/1-A
Matrix: Solid
Analysis Batch: 12529

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 12453

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		3.0		mg/Kg		09/18/24 09:25	09/18/24 16:45	1

Lab Sample ID: LCS 885-12453/2-A
Matrix: Solid
Analysis Batch: 12529

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 12453

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			30.0	27.4		mg/Kg		91	90 - 110		

QC Sample Results

Client: Ensolum
Project/Site: Angel Peak 2C-89

Job ID: 885-12020-1

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 885-12020-1 MS
Matrix: Solid
Analysis Batch: 12529

Client Sample ID: S-6
Prep Type: Total/NA
Prep Batch: 12453

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: 885-12020-1 MSD
Matrix: Solid
Analysis Batch: 12529

Client Sample ID: S-6
Prep Type: Total/NA
Prep Batch: 12453

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	ND		29.9	ND		mg/Kg		NC	50 - 150	NC	20

Lab Sample ID: 885-12020-11 MS
Matrix: Solid
Analysis Batch: 12612

Client Sample ID: S-16
Prep Type: Total/NA
Prep Batch: 12453

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	ND		29.9	ND		mg/Kg		NC	50 - 150

Lab Sample ID: 885-12020-11 MSD
Matrix: Solid
Analysis Batch: 12612

Client Sample ID: S-16
Prep Type: Total/NA
Prep Batch: 12453

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	ND		29.9	ND		mg/Kg		NC	50 - 150	NC	20

QC Association Summary

Client: Ensolum
Job ID: 885-12020-1
Project/Site: Angel Peak 2C-89

GC VOA

Prep Batch: 12440

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-12020-1	S-6	Total/NA	Solid	5035	
885-12020-2	S-7	Total/NA	Solid	5035	
885-12020-3	S-8	Total/NA	Solid	5035	
885-12020-4	S-9	Total/NA	Solid	5035	
885-12020-5	S-10	Total/NA	Solid	5035	
885-12020-6	S-11	Total/NA	Solid	5035	
MB 885-12440/1-A	Method Blank	Total/NA	Solid	5035	
LCS 885-12440/2-A	Lab Control Sample	Total/NA	Solid	5035	
LCS 885-12440/3-A	Lab Control Sample	Total/NA	Solid	5035	
885-12020-1 MS	S-6	Total/NA	Solid	5035	
885-12020-1 MSD	S-6	Total/NA	Solid	5035	
885-12020-2 MS	S-7	Total/NA	Solid	5035	
885-12020-2 MSD	S-7	Total/NA	Solid	5035	

Prep Batch: 12441

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-12020-7	S-12	Total/NA	Solid	5035	
885-12020-8	S-13	Total/NA	Solid	5035	
885-12020-9	S-14	Total/NA	Solid	5035	
885-12020-10	S-15	Total/NA	Solid	5035	
885-12020-11	S-16	Total/NA	Solid	5035	
885-12020-12	S-17	Total/NA	Solid	5035	
MB 885-12441/1-A	Method Blank	Total/NA	Solid	5035	
LCS 885-12441/2-A	Lab Control Sample	Total/NA	Solid	5035	
LCS 885-12441/3-A	Lab Control Sample	Total/NA	Solid	5035	
885-12020-7 MS	S-12	Total/NA	Solid	5035	
885-12020-7 MSD	S-12	Total/NA	Solid	5035	
885-12020-8 MS	S-13	Total/NA	Solid	5035	
885-12020-8 MSD	S-13	Total/NA	Solid	5035	

Analysis Batch: 12491

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-12020-7	S-12	Total/NA	Solid	8015M/D	12441
885-12020-8	S-13	Total/NA	Solid	8015M/D	12441
885-12020-9	S-14	Total/NA	Solid	8015M/D	12441
885-12020-10	S-15	Total/NA	Solid	8015M/D	12441
885-12020-11	S-16	Total/NA	Solid	8015M/D	12441
885-12020-12	S-17	Total/NA	Solid	8015M/D	12441
MB 885-12441/1-A	Method Blank	Total/NA	Solid	8015M/D	12441
LCS 885-12441/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	12441
885-12020-7 MS	S-12	Total/NA	Solid	8015M/D	12441
885-12020-7 MSD	S-12	Total/NA	Solid	8015M/D	12441

Analysis Batch: 12493

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-12020-7	S-12	Total/NA	Solid	8021B	12441
885-12020-8	S-13	Total/NA	Solid	8021B	12441
885-12020-9	S-14	Total/NA	Solid	8021B	12441
885-12020-10	S-15	Total/NA	Solid	8021B	12441
885-12020-11	S-16	Total/NA	Solid	8021B	12441
885-12020-12	S-17	Total/NA	Solid	8021B	12441

QC Association Summary

Client: Ensolum
Job ID: 885-12020-1
Project/Site: Angel Peak 2C-89

GC VOA (Continued)

Analysis Batch: 12493 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 885-12441/1-A	Method Blank	Total/NA	Solid	8021B	12441
LCS 885-12441/3-A	Lab Control Sample	Total/NA	Solid	8021B	12441
885-12020-8 MS	S-13	Total/NA	Solid	8021B	12441
885-12020-8 MSD	S-13	Total/NA	Solid	8021B	12441

Analysis Batch: 12495

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-12020-1	S-6	Total/NA	Solid	8015M/D	12440
885-12020-2	S-7	Total/NA	Solid	8015M/D	12440
885-12020-3	S-8	Total/NA	Solid	8015M/D	12440
885-12020-4	S-9	Total/NA	Solid	8015M/D	12440
885-12020-5	S-10	Total/NA	Solid	8015M/D	12440
885-12020-6	S-11	Total/NA	Solid	8015M/D	12440
MB 885-12440/1-A	Method Blank	Total/NA	Solid	8015M/D	12440
LCS 885-12440/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	12440
885-12020-1 MS	S-6	Total/NA	Solid	8015M/D	12440
885-12020-1 MSD	S-6	Total/NA	Solid	8015M/D	12440

Analysis Batch: 12497

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-12020-1	S-6	Total/NA	Solid	8021B	12440
885-12020-2	S-7	Total/NA	Solid	8021B	12440
885-12020-3	S-8	Total/NA	Solid	8021B	12440
885-12020-4	S-9	Total/NA	Solid	8021B	12440
885-12020-5	S-10	Total/NA	Solid	8021B	12440
885-12020-6	S-11	Total/NA	Solid	8021B	12440
MB 885-12440/1-A	Method Blank	Total/NA	Solid	8021B	12440
LCS 885-12440/3-A	Lab Control Sample	Total/NA	Solid	8021B	12440
885-12020-2 MS	S-7	Total/NA	Solid	8021B	12440
885-12020-2 MSD	S-7	Total/NA	Solid	8021B	12440

GC Semi VOA

Prep Batch: 12436

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-12020-1	S-6	Total/NA	Solid	SHAKE	
885-12020-2	S-7	Total/NA	Solid	SHAKE	
885-12020-3	S-8	Total/NA	Solid	SHAKE	
885-12020-4	S-9	Total/NA	Solid	SHAKE	
885-12020-5	S-10	Total/NA	Solid	SHAKE	
885-12020-6	S-11	Total/NA	Solid	SHAKE	
885-12020-7	S-12	Total/NA	Solid	SHAKE	
885-12020-8	S-13	Total/NA	Solid	SHAKE	
885-12020-9	S-14	Total/NA	Solid	SHAKE	
885-12020-10	S-15	Total/NA	Solid	SHAKE	
885-12020-11	S-16	Total/NA	Solid	SHAKE	
885-12020-12	S-17	Total/NA	Solid	SHAKE	
MB 885-12436/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 885-12436/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	
885-12020-12 MS	S-17	Total/NA	Solid	SHAKE	
885-12020-12 MSD	S-17	Total/NA	Solid	SHAKE	

QC Association Summary

Client: Ensolum
Job ID: 885-12020-1
Project/Site: Angel Peak 2C-89

GC Semi VOA

Analysis Batch: 12456

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-12020-1	S-6	Total/NA	Solid	8015M/D	12436
885-12020-2	S-7	Total/NA	Solid	8015M/D	12436
885-12020-3	S-8	Total/NA	Solid	8015M/D	12436
885-12020-4	S-9	Total/NA	Solid	8015M/D	12436
885-12020-5	S-10	Total/NA	Solid	8015M/D	12436
885-12020-6	S-11	Total/NA	Solid	8015M/D	12436
885-12020-7	S-12	Total/NA	Solid	8015M/D	12436
885-12020-8	S-13	Total/NA	Solid	8015M/D	12436
885-12020-9	S-14	Total/NA	Solid	8015M/D	12436
885-12020-10	S-15	Total/NA	Solid	8015M/D	12436
885-12020-11	S-16	Total/NA	Solid	8015M/D	12436
885-12020-12	S-17	Total/NA	Solid	8015M/D	12436
MB 885-12436/1-A	Method Blank	Total/NA	Solid	8015M/D	12436
LCS 885-12436/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	12436
885-12020-12 MS	S-17	Total/NA	Solid	8015M/D	12436
885-12020-12 MSD	S-17	Total/NA	Solid	8015M/D	12436

HPLC/IC

Prep Batch: 12453

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-12020-1	S-6	Total/NA	Solid	300_Prep	
885-12020-2	S-7	Total/NA	Solid	300_Prep	
885-12020-3	S-8	Total/NA	Solid	300_Prep	
885-12020-4	S-9	Total/NA	Solid	300_Prep	
885-12020-5	S-10	Total/NA	Solid	300_Prep	
885-12020-6	S-11	Total/NA	Solid	300_Prep	
885-12020-7	S-12	Total/NA	Solid	300_Prep	
885-12020-8	S-13	Total/NA	Solid	300_Prep	
885-12020-9	S-14	Total/NA	Solid	300_Prep	
885-12020-10	S-15	Total/NA	Solid	300_Prep	
885-12020-11	S-16	Total/NA	Solid	300_Prep	
885-12020-12	S-17	Total/NA	Solid	300_Prep	
MB 885-12453/1-A	Method Blank	Total/NA	Solid	300_Prep	
LCS 885-12453/2-A	Lab Control Sample	Total/NA	Solid	300_Prep	
885-12020-1 MS	S-6	Total/NA	Solid	300_Prep	
885-12020-1 MSD	S-6	Total/NA	Solid	300_Prep	
885-12020-11 MS	S-16	Total/NA	Solid	300_Prep	
885-12020-11 MSD	S-16	Total/NA	Solid	300_Prep	

Analysis Batch: 12529

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-12020-1	S-6	Total/NA	Solid	300.0	12453
885-12020-2	S-7	Total/NA	Solid	300.0	12453
885-12020-3	S-8	Total/NA	Solid	300.0	12453
885-12020-4	S-9	Total/NA	Solid	300.0	12453
885-12020-5	S-10	Total/NA	Solid	300.0	12453
885-12020-6	S-11	Total/NA	Solid	300.0	12453
885-12020-7	S-12	Total/NA	Solid	300.0	12453
885-12020-8	S-13	Total/NA	Solid	300.0	12453
885-12020-9	S-14	Total/NA	Solid	300.0	12453

QC Association Summary

Client: Ensolum
Job ID: 885-12020-1
Project/Site: Angel Peak 2C-89

HPLC/IC (Continued)

Analysis Batch: 12529 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-12020-10	S-15	Total/NA	Solid	300.0	12453
MB 885-12453/1-A	Method Blank	Total/NA	Solid	300.0	12453
LCS 885-12453/2-A	Lab Control Sample	Total/NA	Solid	300.0	12453
885-12020-1 MS	S-6	Total/NA	Solid	300.0	12453
885-12020-1 MSD	S-6	Total/NA	Solid	300.0	12453

Analysis Batch: 12612

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-12020-11	S-16	Total/NA	Solid	300.0	12453
885-12020-12	S-17	Total/NA	Solid	300.0	12453
885-12020-11 MS	S-16	Total/NA	Solid	300.0	12453
885-12020-11 MSD	S-16	Total/NA	Solid	300.0	12453

Lab Chronicle

Client: Ensolum
Job ID: 885-12020-1
Project/Site: Angel Peak 2C-89

Client Sample ID: S-6
Lab Sample ID: 885-12020-1
Date Collected: 09/17/24 09:00
Matrix: Solid
Date Received: 09/18/24 07:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			12440	JP	EET ALB	09/18/24 08:47
Total/NA	Analysis	8015M/D		1	12495	JP	EET ALB	09/18/24 12:17
Total/NA	Prep	5035			12440	JP	EET ALB	09/18/24 08:47
Total/NA	Analysis	8021B		1	12497	JP	EET ALB	09/18/24 12:17
Total/NA	Prep	SHAKE			12436	EM	EET ALB	09/18/24 08:35
Total/NA	Analysis	8015M/D		1	12456	EM	EET ALB	09/18/24 10:16
Total/NA	Prep	300_Prep			12453	EH	EET ALB	09/18/24 09:25
Total/NA	Analysis	300.0		20	12529	EH	EET ALB	09/18/24 16:58

Client Sample ID: S-7
Lab Sample ID: 885-12020-2
Date Collected: 09/17/24 09:05
Matrix: Solid
Date Received: 09/18/24 07:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			12440	JP	EET ALB	09/18/24 08:47
Total/NA	Analysis	8015M/D		1	12495	JP	EET ALB	09/18/24 12:40
Total/NA	Prep	5035			12440	JP	EET ALB	09/18/24 08:47
Total/NA	Analysis	8021B		1	12497	JP	EET ALB	09/18/24 12:40
Total/NA	Prep	SHAKE			12436	EM	EET ALB	09/18/24 08:35
Total/NA	Analysis	8015M/D		1	12456	EM	EET ALB	09/18/24 10:27
Total/NA	Prep	300_Prep			12453	EH	EET ALB	09/18/24 09:25
Total/NA	Analysis	300.0		20	12529	EH	EET ALB	09/18/24 17:36

Client Sample ID: S-8
Lab Sample ID: 885-12020-3
Date Collected: 09/17/24 09:10
Matrix: Solid
Date Received: 09/18/24 07:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			12440	JP	EET ALB	09/18/24 08:47
Total/NA	Analysis	8015M/D		1	12495	JP	EET ALB	09/18/24 13:04
Total/NA	Prep	5035			12440	JP	EET ALB	09/18/24 08:47
Total/NA	Analysis	8021B		1	12497	JP	EET ALB	09/18/24 13:04
Total/NA	Prep	SHAKE			12436	EM	EET ALB	09/18/24 08:35
Total/NA	Analysis	8015M/D		1	12456	EM	EET ALB	09/18/24 10:37
Total/NA	Prep	300_Prep			12453	EH	EET ALB	09/18/24 09:25
Total/NA	Analysis	300.0		20	12529	EH	EET ALB	09/18/24 17:49

Client Sample ID: S-9
Lab Sample ID: 885-12020-4
Date Collected: 09/17/24 09:15
Matrix: Solid
Date Received: 09/18/24 07:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			12440	JP	EET ALB	09/18/24 08:47
Total/NA	Analysis	8015M/D		1	12495	JP	EET ALB	09/18/24 13:27

Lab Chronicle

Client: Ensolum
Job ID: 885-12020-1
Project/Site: Angel Peak 2C-89

Client Sample ID: S-9
Lab Sample ID: 885-12020-4
Date Collected: 09/17/24 09:15
Matrix: Solid
Date Received: 09/18/24 07:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			12440	JP	EET ALB	09/18/24 08:47
Total/NA	Analysis	8021B		1	12497	JP	EET ALB	09/18/24 13:27
Total/NA	Prep	SHAKE			12436	EM	EET ALB	09/18/24 08:35
Total/NA	Analysis	8015M/D		1	12456	EM	EET ALB	09/18/24 10:48
Total/NA	Prep	300_Prep			12453	EH	EET ALB	09/18/24 09:25
Total/NA	Analysis	300.0		20	12529	EH	EET ALB	09/18/24 18:02

Client Sample ID: S-10
Lab Sample ID: 885-12020-5
Date Collected: 09/17/24 09:20
Matrix: Solid
Date Received: 09/18/24 07:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			12440	JP	EET ALB	09/18/24 08:47
Total/NA	Analysis	8015M/D		1	12495	JP	EET ALB	09/18/24 13:50
Total/NA	Prep	5035			12440	JP	EET ALB	09/18/24 08:47
Total/NA	Analysis	8021B		1	12497	JP	EET ALB	09/18/24 13:50
Total/NA	Prep	SHAKE			12436	EM	EET ALB	09/18/24 08:35
Total/NA	Analysis	8015M/D		1	12456	EM	EET ALB	09/18/24 10:59
Total/NA	Prep	300_Prep			12453	EH	EET ALB	09/18/24 09:25
Total/NA	Analysis	300.0		20	12529	EH	EET ALB	09/18/24 18:15

Client Sample ID: S-11
Lab Sample ID: 885-12020-6
Date Collected: 09/17/24 09:25
Matrix: Solid
Date Received: 09/18/24 07:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			12440	JP	EET ALB	09/18/24 08:47
Total/NA	Analysis	8015M/D		1	12495	JP	EET ALB	09/18/24 14:14
Total/NA	Prep	5035			12440	JP	EET ALB	09/18/24 08:47
Total/NA	Analysis	8021B		1	12497	JP	EET ALB	09/18/24 14:14
Total/NA	Prep	SHAKE			12436	EM	EET ALB	09/18/24 08:35
Total/NA	Analysis	8015M/D		1	12456	EM	EET ALB	09/18/24 11:10
Total/NA	Prep	300_Prep			12453	EH	EET ALB	09/18/24 09:25
Total/NA	Analysis	300.0		20	12529	EH	EET ALB	09/18/24 18:28

Client Sample ID: S-12
Lab Sample ID: 885-12020-7
Date Collected: 09/17/24 09:30
Matrix: Solid
Date Received: 09/18/24 07:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			12441	JP	EET ALB	09/18/24 08:48
Total/NA	Analysis	8015M/D		1	12491	AT	EET ALB	09/18/24 11:20
Total/NA	Prep	5035			12441	JP	EET ALB	09/18/24 08:48
Total/NA	Analysis	8021B		1	12493	AT	EET ALB	09/18/24 11:20

Lab Chronicle

Client: Ensolum
Job ID: 885-12020-1
Project/Site: Angel Peak 2C-89

Client Sample ID: S-12
Lab Sample ID: 885-12020-7
Date Collected: 09/17/24 09:30
Matrix: Solid
Date Received: 09/18/24 07:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	SHAKE			12436	EM	EET ALB	09/18/24 08:35
Total/NA	Analysis	8015M/D		1	12456	EM	EET ALB	09/18/24 11:20
Total/NA	Prep	300_Prep			12453	EH	EET ALB	09/18/24 09:25
Total/NA	Analysis	300.0		20	12529	EH	EET ALB	09/18/24 19:07

Client Sample ID: S-13
Lab Sample ID: 885-12020-8
Date Collected: 09/17/24 09:35
Matrix: Solid
Date Received: 09/18/24 07:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			12441	JP	EET ALB	09/18/24 08:48
Total/NA	Analysis	8015M/D		1	12491	AT	EET ALB	09/18/24 11:41
Total/NA	Prep	5035			12441	JP	EET ALB	09/18/24 08:48
Total/NA	Analysis	8021B		1	12493	AT	EET ALB	09/18/24 11:41
Total/NA	Prep	SHAKE			12436	EM	EET ALB	09/18/24 08:35
Total/NA	Analysis	8015M/D		1	12456	EM	EET ALB	09/18/24 11:31
Total/NA	Prep	300_Prep			12453	EH	EET ALB	09/18/24 09:25
Total/NA	Analysis	300.0		20	12529	EH	EET ALB	09/18/24 19:19

Client Sample ID: S-14
Lab Sample ID: 885-12020-9
Date Collected: 09/17/24 09:40
Matrix: Solid
Date Received: 09/18/24 07:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			12441	JP	EET ALB	09/18/24 08:48
Total/NA	Analysis	8015M/D		1	12491	AT	EET ALB	09/18/24 12:03
Total/NA	Prep	5035			12441	JP	EET ALB	09/18/24 08:48
Total/NA	Analysis	8021B		1	12493	AT	EET ALB	09/18/24 12:03
Total/NA	Prep	SHAKE			12436	EM	EET ALB	09/18/24 08:35
Total/NA	Analysis	8015M/D		1	12456	EM	EET ALB	09/18/24 11:53
Total/NA	Prep	300_Prep			12453	EH	EET ALB	09/18/24 09:25
Total/NA	Analysis	300.0		20	12529	EH	EET ALB	09/18/24 19:32

Client Sample ID: S-15
Lab Sample ID: 885-12020-10
Date Collected: 09/17/24 09:45
Matrix: Solid
Date Received: 09/18/24 07:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			12441	JP	EET ALB	09/18/24 08:48
Total/NA	Analysis	8015M/D		1	12491	AT	EET ALB	09/18/24 12:25
Total/NA	Prep	5035			12441	JP	EET ALB	09/18/24 08:48
Total/NA	Analysis	8021B		1	12493	AT	EET ALB	09/18/24 12:25
Total/NA	Prep	SHAKE			12436	EM	EET ALB	09/18/24 08:35
Total/NA	Analysis	8015M/D		1	12456	EM	EET ALB	09/18/24 12:03

Lab Chronicle

Client: Ensolum
Job ID: 885-12020-1
Project/Site: Angel Peak 2C-89

Client Sample ID: S-15
Lab Sample ID: 885-12020-10
Date Collected: 09/17/24 09:45
Matrix: Solid
Date Received: 09/18/24 07:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	300_Prep			12453	EH	EET ALB	09/18/24 09:25
Total/NA	Analysis	300.0		20	12529	EH	EET ALB	09/18/24 19:45

Client Sample ID: S-16
Lab Sample ID: 885-12020-11
Date Collected: 09/17/24 09:50
Matrix: Solid
Date Received: 09/18/24 07:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			12441	JP	EET ALB	09/18/24 08:48
Total/NA	Analysis	8015M/D		1	12491	AT	EET ALB	09/18/24 12:47
Total/NA	Prep	5035			12441	JP	EET ALB	09/18/24 08:48
Total/NA	Analysis	8021B		1	12493	AT	EET ALB	09/18/24 12:47
Total/NA	Prep	SHAKE			12436	EM	EET ALB	09/18/24 08:35
Total/NA	Analysis	8015M/D		1	12456	EM	EET ALB	09/18/24 12:14
Total/NA	Prep	300_Prep			12453	EH	EET ALB	09/18/24 09:25
Total/NA	Analysis	300.0		20	12612	EH	EET ALB	09/19/24 09:48

Client Sample ID: S-17
Lab Sample ID: 885-12020-12
Date Collected: 09/17/24 09:55
Matrix: Solid
Date Received: 09/18/24 07:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			12441	JP	EET ALB	09/18/24 08:48
Total/NA	Analysis	8015M/D		1	12491	AT	EET ALB	09/18/24 13:09
Total/NA	Prep	5035			12441	JP	EET ALB	09/18/24 08:48
Total/NA	Analysis	8021B		1	12493	AT	EET ALB	09/18/24 13:09
Total/NA	Prep	SHAKE			12436	EM	EET ALB	09/18/24 08:35
Total/NA	Analysis	8015M/D		1	12456	EM	EET ALB	09/18/24 12:25
Total/NA	Prep	300_Prep			12453	EH	EET ALB	09/18/24 09:25
Total/NA	Analysis	300.0		20	12612	EH	EET ALB	09/19/24 10:26

Laboratory References:

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

Accreditation/Certification Summary

Client: Ensolum
Job ID: 885-12020-1
Project/Site: Angel Peak 2C-89

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

Mailing Address: 606 S Rio Grande Suit 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%
☐ Standard ☒ Rush 9-18-24

Project Name: Angel Peak 2C-89

Project #:

Project Manager: K Summers

Sampler: C D'Aponti

On Ice: ☐ ~~Yes~~ ☐ No

# of Coolers: 2 Mojo

Cooler Temp(Including CF): 1.7+0.1=1.8 (°C)
3.1+0.1=3.2

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

885-12020 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, NO3, PO4, SO4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
9/17	900	S	S-6	4oz Jar	Cool	1	✓	✓					✓			
9/17	905	S	S-7			2	✓	✓					✓			
9/17	910	S	S-8			3	✓	✓					✓			
9/17	915	S	S-9			4	✓	✓					✓			
9/17	920	S	S-10			5	✓	✓					✓			
9/17	925	S	S-11			6	✓	✓					✓			
9/17	930	S	S-12			7	✓	✓					✓			
9/17	935	S	S-13			8	✓	✓					✓			
9/17	940	S	S-14			9	✓	✓					✓			
9/17	945	S	S-15			10	✓	✓					✓			
9/17	950	S	S-16			11	✓	✓					✓			
9/17	955	S	S-17			12	✓	✓					✓			

Date	Time	Relinquished by:	Received by:	Via:	Date	Time
9/17/24	1515			Client Want	9/17/24	1515
9/17/24	1810	Courtney Walker		Courier	9/18/24	7:25

Remarks: Tom Long
AM140588
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: 885-12020-1

Login Number: 12020 **List Source: Eurofins Albuquerque**
List Number: 1
Creator: McQuiston, Steven

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 10/4/2024 12:09:59 PM

JOB DESCRIPTION

Angel Peak 2C-89

JOB NUMBER

885-12706-1

Eurofins Albuquerque
4901 Hawkins NE
Albuquerque NM 87109

See page two for job notes and contact information.

my EOL

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
10/4/2024 12:09:59 PM

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

Client: Ensolum
Project/Site: Angel Peak 2C-89

Laboratory Job ID: 885-12706-1

Table of Contents

Definitions/Glossary

Client: Ensolum Job ID: 885-12706-1
Project/Site: Angel Peak 2C-89

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: Angel Peak 2C-89

Job ID: 885-12706-1

Job ID: 885-12706-1 Eurofins Albuquerque

Job Narrative
885-12706-1

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 9/27/2024 7:10 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 2.2°C.

Receipt Exceptions
The Field Sampler was not listed on the Chain of Custody.

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: Angel Peak 2C-89

Job ID: 885-12706-1

Client Sample ID: S-18

Date Collected: 09/26/24 12:00
Date Received: 09/27/24 07:10

Lab Sample ID: 885-12706-1

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		3.2		mg/Kg		09/27/24 09:21	09/27/24 12:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*35 - 166*	*09/27/24 09:21*	*09/27/24 12:18*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.016		mg/Kg		09/27/24 09:21	09/27/24 12:18	1
Ethylbenzene	ND		0.032		mg/Kg		09/27/24 09:21	09/27/24 12:18	1
Toluene	ND		0.032		mg/Kg		09/27/24 09:21	09/27/24 12:18	1
Xylenes, Total	ND		0.063		mg/Kg		09/27/24 09:21	09/27/24 12:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*48 - 145*	*09/27/24 09:21*	*09/27/24 12:18*	*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		09/27/24 09:21	09/27/24 11:26	1
Motor Oil Range Organics [C28-C40]	ND		49		mg/Kg		09/27/24 09:21	09/27/24 11:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*95*		*62 - 134*	*09/27/24 09:21*	*09/27/24 11:26*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		60		mg/Kg		09/27/24 09:53	09/27/24 12:07	20

Client Sample Results

Client: Ensolum
Project/Site: Angel Peak 2C-89

Job ID: 885-12706-1

Client Sample ID: S-19

Date Collected: 09/26/24 12:05
Date Received: 09/27/24 07:10

Lab Sample ID: 885-12706-2

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		3.3		mg/Kg		09/27/24 09:21	09/27/24 12:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*35 - 166*	*09/27/24 09:21*	*09/27/24 12:40*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.017		mg/Kg		09/27/24 09:21	09/27/24 12:40	1
Ethylbenzene	ND		0.033		mg/Kg		09/27/24 09:21	09/27/24 12:40	1
Toluene	ND		0.033		mg/Kg		09/27/24 09:21	09/27/24 12:40	1
Xylenes, Total	ND		0.067		mg/Kg		09/27/24 09:21	09/27/24 12:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*48 - 145*	*09/27/24 09:21*	*09/27/24 12:40*	*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		09/27/24 09:21	09/27/24 11:37	1
Motor Oil Range Organics [C28-C40]	ND		47		mg/Kg		09/27/24 09:21	09/27/24 11:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*98*		*62 - 134*	*09/27/24 09:21*	*09/27/24 11:37*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		60		mg/Kg		09/27/24 09:53	09/27/24 12:22	20

Client Sample Results

Client: Ensolum
Project/Site: Angel Peak 2C-89

Job ID: 885-12706-1

Client Sample ID: S-20
Date Collected: 09/26/24 12:10
Date Received: 09/27/24 07:10

Lab Sample ID: 885-12706-3
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		4.1		mg/Kg		09/27/24 09:21	09/27/24 13:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*35 - 166*	*09/27/24 09:21*	*09/27/24 13:02*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.020		mg/Kg		09/27/24 09:21	09/27/24 13:02	1
Ethylbenzene	ND		0.041		mg/Kg		09/27/24 09:21	09/27/24 13:02	1
Toluene	ND		0.041		mg/Kg		09/27/24 09:21	09/27/24 13:02	1
Xylenes, Total	ND		0.081		mg/Kg		09/27/24 09:21	09/27/24 13:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*48 - 145*	*09/27/24 09:21*	*09/27/24 13:02*	*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		09/27/24 09:21	09/27/24 11:48	1
Motor Oil Range Organics [C28-C40]	ND		48		mg/Kg		09/27/24 09:21	09/27/24 11:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*97*		*62 - 134*	*09/27/24 09:21*	*09/27/24 11:48*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		60		mg/Kg		09/27/24 09:53	09/27/24 13:08	20

Client Sample Results

Client: Ensolum
Project/Site: Angel Peak 2C-89

Job ID: 885-12706-1

Client Sample ID: S-21

Date Collected: 09/26/24 12:20
Date Received: 09/27/24 07:10

Lab Sample ID: 885-12706-4
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		3.1		mg/Kg		09/27/24 09:21	09/27/24 13:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*35 - 166*	*09/27/24 09:21*	*09/27/24 13:24*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.016		mg/Kg		09/27/24 09:21	09/27/24 13:24	1
Ethylbenzene	ND		0.031		mg/Kg		09/27/24 09:21	09/27/24 13:24	1
Toluene	ND		0.031		mg/Kg		09/27/24 09:21	09/27/24 13:24	1
Xylenes, Total	ND		0.062		mg/Kg		09/27/24 09:21	09/27/24 13:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*48 - 145*	*09/27/24 09:21*	*09/27/24 13:24*	*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		09/27/24 09:21	09/27/24 11:58	1
Motor Oil Range Organics [C28-C40]	ND		47		mg/Kg		09/27/24 09:21	09/27/24 11:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*101*		*62 - 134*	*09/27/24 09:21*	*09/27/24 11:58*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		60		mg/Kg		09/27/24 09:53	09/27/24 13:23	20

Client Sample Results

Client: Ensolum
Project/Site: Angel Peak 2C-89

Job ID: 885-12706-1

Client Sample ID: S-22

Date Collected: 09/26/24 12:30
Date Received: 09/27/24 07:10

Lab Sample ID: 885-12706-5

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		4.2		mg/Kg		09/27/24 09:21	09/27/24 13:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*35 - 166*	*09/27/24 09:21*	*09/27/24 13:45*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.021		mg/Kg		09/27/24 09:21	09/27/24 13:45	1
Ethylbenzene	ND		0.042		mg/Kg		09/27/24 09:21	09/27/24 13:45	1
Toluene	ND		0.042		mg/Kg		09/27/24 09:21	09/27/24 13:45	1
Xylenes, Total	ND		0.084		mg/Kg		09/27/24 09:21	09/27/24 13:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*48 - 145*	*09/27/24 09:21*	*09/27/24 13:45*	*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		9.6		mg/Kg		09/27/24 09:21	09/27/24 12:09	1
Motor Oil Range Organics [C28-C40]	ND		48		mg/Kg		09/27/24 09:21	09/27/24 12:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*96*		*62 - 134*	*09/27/24 09:21*	*09/27/24 12:09*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		60		mg/Kg		09/27/24 09:53	09/27/24 13:38	20

Client Sample Results

Client: Ensolum
Project/Site: Angel Peak 2C-89

Job ID: 885-12706-1

Client Sample ID: S-23
Date Collected: 09/26/24 12:40
Date Received: 09/27/24 07:10

Lab Sample ID: 885-12706-6
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		3.7		mg/Kg		09/27/24 09:21	09/27/24 14:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*35 - 166*	*09/27/24 09:21*	*09/27/24 14:07*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.018		mg/Kg		09/27/24 09:21	09/27/24 14:07	1
Ethylbenzene	ND		0.037		mg/Kg		09/27/24 09:21	09/27/24 14:07	1
Toluene	ND		0.037		mg/Kg		09/27/24 09:21	09/27/24 14:07	1
Xylenes, Total	ND		0.074		mg/Kg		09/27/24 09:21	09/27/24 14:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*48 - 145*	*09/27/24 09:21*	*09/27/24 14:07*	*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		09/27/24 09:21	09/27/24 12:20	1
Motor Oil Range Organics [C28-C40]	ND		49		mg/Kg		09/27/24 09:21	09/27/24 12:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*101*		*62 - 134*	*09/27/24 09:21*	*09/27/24 12:20*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		60		mg/Kg		09/27/24 09:53	09/27/24 13:53	20

Client Sample Results

Client: Ensolum
Project/Site: Angel Peak 2C-89

Job ID: 885-12706-1

Client Sample ID: S-24

Date Collected: 09/26/24 12:50
Date Received: 09/27/24 07:10

Lab Sample ID: 885-12706-7

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		3.9		mg/Kg		09/27/24 09:21	09/27/24 14:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*35 - 166*	*09/27/24 09:21*	*09/27/24 14:29*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.019		mg/Kg		09/27/24 09:21	09/27/24 14:29	1
Ethylbenzene	ND		0.039		mg/Kg		09/27/24 09:21	09/27/24 14:29	1
Toluene	ND		0.039		mg/Kg		09/27/24 09:21	09/27/24 14:29	1
Xylenes, Total	ND		0.078		mg/Kg		09/27/24 09:21	09/27/24 14:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*48 - 145*	*09/27/24 09:21*	*09/27/24 14:29*	*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		9.3		mg/Kg		09/27/24 09:21	09/27/24 12:31	1
Motor Oil Range Organics [C28-C40]	ND		47		mg/Kg		09/27/24 09:21	09/27/24 12:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*104*		*62 - 134*	*09/27/24 09:21*	*09/27/24 12:31*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		60		mg/Kg		09/27/24 09:53	09/27/24 14:08	20

Client Sample Results

Client: Ensolum
Project/Site: Angel Peak 2C-89

Job ID: 885-12706-1

Client Sample ID: S-25

Date Collected: 09/26/24 13:00
Date Received: 09/27/24 07:10

Lab Sample ID: 885-12706-8

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		4.3		mg/Kg		09/27/24 09:21	09/27/24 14:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*35 - 166*	*09/27/24 09:21*	*09/27/24 14:50*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.022		mg/Kg		09/27/24 09:21	09/27/24 14:50	1
Ethylbenzene	ND		0.043		mg/Kg		09/27/24 09:21	09/27/24 14:50	1
Toluene	ND		0.043		mg/Kg		09/27/24 09:21	09/27/24 14:50	1
Xylenes, Total	ND		0.087		mg/Kg		09/27/24 09:21	09/27/24 14:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*48 - 145*	*09/27/24 09:21*	*09/27/24 14:50*	*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		10		mg/Kg		09/27/24 09:21	09/27/24 12:41	1
Motor Oil Range Organics [C28-C40]	ND		50		mg/Kg		09/27/24 09:21	09/27/24 12:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*104*		*62 - 134*	*09/27/24 09:21*	*09/27/24 12:41*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		60		mg/Kg		09/27/24 09:53	09/27/24 14:23	20

QC Sample Results

Client: Ensolum
Project/Site: Angel Peak 2C-89

Job ID: 885-12706-1

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

Lab Sample ID: MB 885-13151/1-A
Matrix: Solid
Analysis Batch: 13193

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 13151

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		5.0		mg/Kg		09/27/24 09:21	09/27/24 11:56	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*35 - 166*	*09/27/24 09:21*	*09/27/24 11:56*	*1*

Lab Sample ID: LCS 885-13151/2-A
Matrix: Solid
Analysis Batch: 13193

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 13151

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics [C6 - C10]			25.0	25.4		mg/Kg		102	70 - 130		

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

Lab Sample ID: 885-12706-1 MS
Matrix: Solid
Analysis Batch: 13193

Client Sample ID: S-18
Prep Type: Total/NA
Prep Batch: 13151

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics [C6 - C10]	ND		15.8	13.5		mg/Kg		85	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*205*		*35 - 166*

Lab Sample ID: 885-12706-1 MSD
Matrix: Solid
Analysis Batch: 13193

Client Sample ID: S-18
Prep Type: Total/NA
Prep Batch: 13151

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		15.8	15.5		mg/Kg		98	70 - 130	14	20

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

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 885-13151/1-A
Matrix: Solid
Analysis Batch: 13194

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 13151

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025		mg/Kg		09/27/24 09:21	09/27/24 11:56	1
Ethylbenzene	ND		0.050		mg/Kg		09/27/24 09:21	09/27/24 11:56	1
Toluene	ND		0.050		mg/Kg		09/27/24 09:21	09/27/24 11:56	1

QC Sample Results

Client: Ensolum
Project/Site: Angel Peak 2C-89

Job ID: 885-12706-1

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

Lab Sample ID: MB 885-13151/1-A
Matrix: Solid
Analysis Batch: 13194

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 13151

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	ND		0.10		mg/Kg		09/27/24 09:21	09/27/24 11:56	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*48 - 145*	*09/27/24 09:21*	*09/27/24 11:56*	*1*

Lab Sample ID: LCS 885-13151/3-A
Matrix: Solid
Analysis Batch: 13194

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 13151

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			1.00	1.04		mg/Kg		104	70 - 130		
Ethylbenzene			1.00	1.05		mg/Kg		105	70 - 130		
Toluene			1.00	1.04		mg/Kg		104	70 - 130		
Xylenes, Total			3.00	3.13		mg/Kg		104	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*110*		*48 - 145*

Lab Sample ID: 885-12706-2 MS
Matrix: Solid
Analysis Batch: 13194

Client Sample ID: S-19
Prep Type: Total/NA
Prep Batch: 13151

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	ND		0.666	0.668		mg/Kg		100	70 - 130		
Ethylbenzene	ND		0.666	0.676		mg/Kg		101	70 - 130		
Toluene	ND		0.666	0.679		mg/Kg		102	70 - 130		
Xylenes, Total	ND		2.00	2.02		mg/Kg		101	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*102*		*48 - 145*

Lab Sample ID: 885-12706-2 MSD
Matrix: Solid
Analysis Batch: 13194

Client Sample ID: S-19
Prep Type: Total/NA
Prep Batch: 13151

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	ND		0.666	0.667		mg/Kg		100	70 - 130	0	20
Ethylbenzene	ND		0.666	0.675		mg/Kg		101	70 - 130	0	20
Toluene	ND		0.666	0.674		mg/Kg		101	70 - 130	1	20
Xylenes, Total	ND		2.00	2.02		mg/Kg		101	70 - 130	0	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*100*		*48 - 145*

QC Sample Results

Client: Ensolum
Project/Site: Angel Peak 2C-89

Job ID: 885-12706-1

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

Lab Sample ID: MB 885-13152/1-A
Matrix: Solid
Analysis Batch: 13161

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 13152

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		10		mg/Kg		09/27/24 09:21	09/27/24 11:05	1
Motor Oil Range Organics [C28-C40]	ND		50		mg/Kg		09/27/24 09:21	09/27/24 11:05	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*92*		*62 - 134*	*09/27/24 09:21*	*09/27/24 11:05*	*1*

Lab Sample ID: LCS 885-13152/2-A
Matrix: Solid
Analysis Batch: 13161

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 13152

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)	*93*		*62 - 134*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 885-13153/1-A
Matrix: Solid
Analysis Batch: 13191

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 13153

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		3.0		mg/Kg		09/27/24 09:53	09/27/24 10:52	1

Lab Sample ID: LCS 885-13153/2-A
Matrix: Solid
Analysis Batch: 13191

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 13153

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			30.0	30.0		mg/Kg		100	90 - 110		

Lab Sample ID: MB 885-13191/15
Matrix: Solid
Analysis Batch: 13191

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

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		0.50		mg/Kg			09/27/24 10:21	1

Lab Sample ID: MRL 885-13191/14
Matrix: Solid
Analysis Batch: 13191

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

Analyte			Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			0.500	0.541		mg/L		108	50 - 150		

QC Association Summary

Client: Ensolum
Project/Site: Angel Peak 2C-89

Job ID: 885-12706-1

GC VOA

Prep Batch: 13151

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-12706-1	S-18	Total/NA	Solid	5035	
885-12706-2	S-19	Total/NA	Solid	5035	
885-12706-3	S-20	Total/NA	Solid	5035	
885-12706-4	S-21	Total/NA	Solid	5035	
885-12706-5	S-22	Total/NA	Solid	5035	
885-12706-6	S-23	Total/NA	Solid	5035	
885-12706-7	S-24	Total/NA	Solid	5035	
885-12706-8	S-25	Total/NA	Solid	5035	
MB 885-13151/1-A	Method Blank	Total/NA	Solid	5035	
LCS 885-13151/2-A	Lab Control Sample	Total/NA	Solid	5035	
LCS 885-13151/3-A	Lab Control Sample	Total/NA	Solid	5035	
885-12706-1 MS	S-18	Total/NA	Solid	5035	
885-12706-1 MSD	S-18	Total/NA	Solid	5035	
885-12706-2 MS	S-19	Total/NA	Solid	5035	
885-12706-2 MSD	S-19	Total/NA	Solid	5035	

Analysis Batch: 13193

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-12706-1	S-18	Total/NA	Solid	8015M/D	13151
885-12706-2	S-19	Total/NA	Solid	8015M/D	13151
885-12706-3	S-20	Total/NA	Solid	8015M/D	13151
885-12706-4	S-21	Total/NA	Solid	8015M/D	13151
885-12706-5	S-22	Total/NA	Solid	8015M/D	13151
885-12706-6	S-23	Total/NA	Solid	8015M/D	13151
885-12706-7	S-24	Total/NA	Solid	8015M/D	13151
885-12706-8	S-25	Total/NA	Solid	8015M/D	13151
MB 885-13151/1-A	Method Blank	Total/NA	Solid	8015M/D	13151
LCS 885-13151/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	13151
885-12706-1 MS	S-18	Total/NA	Solid	8015M/D	13151
885-12706-1 MSD	S-18	Total/NA	Solid	8015M/D	13151

Analysis Batch: 13194

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-12706-1	S-18	Total/NA	Solid	8021B	13151
885-12706-2	S-19	Total/NA	Solid	8021B	13151
885-12706-3	S-20	Total/NA	Solid	8021B	13151
885-12706-4	S-21	Total/NA	Solid	8021B	13151
885-12706-5	S-22	Total/NA	Solid	8021B	13151
885-12706-6	S-23	Total/NA	Solid	8021B	13151
885-12706-7	S-24	Total/NA	Solid	8021B	13151
885-12706-8	S-25	Total/NA	Solid	8021B	13151
MB 885-13151/1-A	Method Blank	Total/NA	Solid	8021B	13151
LCS 885-13151/3-A	Lab Control Sample	Total/NA	Solid	8021B	13151
885-12706-2 MS	S-19	Total/NA	Solid	8021B	13151
885-12706-2 MSD	S-19	Total/NA	Solid	8021B	13151

GC Semi VOA

Prep Batch: 13152

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-12706-1	S-18	Total/NA	Solid	SHAKE	

QC Association Summary

Client: Ensolum
Project/Site: Angel Peak 2C-89

Job ID: 885-12706-1

GC Semi VOA (Continued)

Prep Batch: 13152 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-12706-2	S-19	Total/NA	Solid	SHAKE	
885-12706-3	S-20	Total/NA	Solid	SHAKE	
885-12706-4	S-21	Total/NA	Solid	SHAKE	
885-12706-5	S-22	Total/NA	Solid	SHAKE	
885-12706-6	S-23	Total/NA	Solid	SHAKE	
885-12706-7	S-24	Total/NA	Solid	SHAKE	
885-12706-8	S-25	Total/NA	Solid	SHAKE	
MB 885-13152/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 885-13152/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	

Analysis Batch: 13161

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-12706-1	S-18	Total/NA	Solid	8015M/D	13152
885-12706-2	S-19	Total/NA	Solid	8015M/D	13152
885-12706-3	S-20	Total/NA	Solid	8015M/D	13152
885-12706-4	S-21	Total/NA	Solid	8015M/D	13152
885-12706-5	S-22	Total/NA	Solid	8015M/D	13152
885-12706-6	S-23	Total/NA	Solid	8015M/D	13152
885-12706-7	S-24	Total/NA	Solid	8015M/D	13152
885-12706-8	S-25	Total/NA	Solid	8015M/D	13152
MB 885-13152/1-A	Method Blank	Total/NA	Solid	8015M/D	13152
LCS 885-13152/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	13152

HPLC/IC

Prep Batch: 13153

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-12706-1	S-18	Total/NA	Solid	300_Prep	
885-12706-2	S-19	Total/NA	Solid	300_Prep	
885-12706-3	S-20	Total/NA	Solid	300_Prep	
885-12706-4	S-21	Total/NA	Solid	300_Prep	
885-12706-5	S-22	Total/NA	Solid	300_Prep	
885-12706-6	S-23	Total/NA	Solid	300_Prep	
885-12706-7	S-24	Total/NA	Solid	300_Prep	
885-12706-8	S-25	Total/NA	Solid	300_Prep	
MB 885-13153/1-A	Method Blank	Total/NA	Solid	300_Prep	
LCS 885-13153/2-A	Lab Control Sample	Total/NA	Solid	300_Prep	

Analysis Batch: 13191

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-12706-1	S-18	Total/NA	Solid	300.0	13153
885-12706-2	S-19	Total/NA	Solid	300.0	13153
885-12706-3	S-20	Total/NA	Solid	300.0	13153
885-12706-4	S-21	Total/NA	Solid	300.0	13153
885-12706-5	S-22	Total/NA	Solid	300.0	13153
885-12706-6	S-23	Total/NA	Solid	300.0	13153
885-12706-7	S-24	Total/NA	Solid	300.0	13153
885-12706-8	S-25	Total/NA	Solid	300.0	13153
MB 885-13153/1-A	Method Blank	Total/NA	Solid	300.0	13153
MB 885-13191/15	Method Blank	Total/NA	Solid	300.0	
LCS 885-13153/2-A	Lab Control Sample	Total/NA	Solid	300.0	13153

QC Association Summary

Client: Ensolum
Job ID: 885-12706-1
Project/Site: Angel Peak 2C-89

HPLC/IC (Continued)

Analysis Batch: 13191 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MRL 885-13191/14	Lab Control Sample	Total/NA	Solid	300.0	

Lab Chronicle

Client: Ensolum
Job ID: 885-12706-1
Project/Site: Angel Peak 2C-89

Client Sample ID: S-18
Lab Sample ID: 885-12706-1
Date Collected: 09/26/24 12:00
Matrix: Solid
Date Received: 09/27/24 07:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			13151	AT	EET ALB	09/27/24 09:21
Total/NA	Analysis	8015M/D		1	13193	AT	EET ALB	09/27/24 12:18
Total/NA	Prep	5035			13151	AT	EET ALB	09/27/24 09:21
Total/NA	Analysis	8021B		1	13194	AT	EET ALB	09/27/24 12:18
Total/NA	Prep	SHAKE			13152	EM	EET ALB	09/27/24 09:21
Total/NA	Analysis	8015M/D		1	13161	EM	EET ALB	09/27/24 11:26
Total/NA	Prep	300_Prep			13153	JT	EET ALB	09/27/24 09:53
Total/NA	Analysis	300.0		20	13191	JT	EET ALB	09/27/24 12:07

Client Sample ID: S-19
Lab Sample ID: 885-12706-2
Date Collected: 09/26/24 12:05
Matrix: Solid
Date Received: 09/27/24 07:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			13151	AT	EET ALB	09/27/24 09:21
Total/NA	Analysis	8015M/D		1	13193	AT	EET ALB	09/27/24 12:40
Total/NA	Prep	5035			13151	AT	EET ALB	09/27/24 09:21
Total/NA	Analysis	8021B		1	13194	AT	EET ALB	09/27/24 12:40
Total/NA	Prep	SHAKE			13152	EM	EET ALB	09/27/24 09:21
Total/NA	Analysis	8015M/D		1	13161	EM	EET ALB	09/27/24 11:37
Total/NA	Prep	300_Prep			13153	JT	EET ALB	09/27/24 09:53
Total/NA	Analysis	300.0		20	13191	JT	EET ALB	09/27/24 12:22

Client Sample ID: S-20
Lab Sample ID: 885-12706-3
Date Collected: 09/26/24 12:10
Matrix: Solid
Date Received: 09/27/24 07:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			13151	AT	EET ALB	09/27/24 09:21
Total/NA	Analysis	8015M/D		1	13193	AT	EET ALB	09/27/24 13:02
Total/NA	Prep	5035			13151	AT	EET ALB	09/27/24 09:21
Total/NA	Analysis	8021B		1	13194	AT	EET ALB	09/27/24 13:02
Total/NA	Prep	SHAKE			13152	EM	EET ALB	09/27/24 09:21
Total/NA	Analysis	8015M/D		1	13161	EM	EET ALB	09/27/24 11:48
Total/NA	Prep	300_Prep			13153	JT	EET ALB	09/27/24 09:53
Total/NA	Analysis	300.0		20	13191	JT	EET ALB	09/27/24 13:08

Client Sample ID: S-21
Lab Sample ID: 885-12706-4
Date Collected: 09/26/24 12:20
Matrix: Solid
Date Received: 09/27/24 07:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			13151	AT	EET ALB	09/27/24 09:21
Total/NA	Analysis	8015M/D		1	13193	AT	EET ALB	09/27/24 13:24

Lab Chronicle

Client: Ensolum
Job ID: 885-12706-1
Project/Site: Angel Peak 2C-89

Client Sample ID: S-21
Lab Sample ID: 885-12706-4
Date Collected: 09/26/24 12:20
Matrix: Solid
Date Received: 09/27/24 07:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			13151	AT	EET ALB	09/27/24 09:21
Total/NA	Analysis	8021B		1	13194	AT	EET ALB	09/27/24 13:24
Total/NA	Prep	SHAKE			13152	EM	EET ALB	09/27/24 09:21
Total/NA	Analysis	8015M/D		1	13161	EM	EET ALB	09/27/24 11:58
Total/NA	Prep	300_Prep			13153	JT	EET ALB	09/27/24 09:53
Total/NA	Analysis	300.0		20	13191	JT	EET ALB	09/27/24 13:23

Client Sample ID: S-22
Lab Sample ID: 885-12706-5
Date Collected: 09/26/24 12:30
Matrix: Solid
Date Received: 09/27/24 07:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			13151	AT	EET ALB	09/27/24 09:21
Total/NA	Analysis	8015M/D		1	13193	AT	EET ALB	09/27/24 13:45
Total/NA	Prep	5035			13151	AT	EET ALB	09/27/24 09:21
Total/NA	Analysis	8021B		1	13194	AT	EET ALB	09/27/24 13:45
Total/NA	Prep	SHAKE			13152	EM	EET ALB	09/27/24 09:21
Total/NA	Analysis	8015M/D		1	13161	EM	EET ALB	09/27/24 12:09
Total/NA	Prep	300_Prep			13153	JT	EET ALB	09/27/24 09:53
Total/NA	Analysis	300.0		20	13191	JT	EET ALB	09/27/24 13:38

Client Sample ID: S-23
Lab Sample ID: 885-12706-6
Date Collected: 09/26/24 12:40
Matrix: Solid
Date Received: 09/27/24 07:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			13151	AT	EET ALB	09/27/24 09:21
Total/NA	Analysis	8015M/D		1	13193	AT	EET ALB	09/27/24 14:07
Total/NA	Prep	5035			13151	AT	EET ALB	09/27/24 09:21
Total/NA	Analysis	8021B		1	13194	AT	EET ALB	09/27/24 14:07
Total/NA	Prep	SHAKE			13152	EM	EET ALB	09/27/24 09:21
Total/NA	Analysis	8015M/D		1	13161	EM	EET ALB	09/27/24 12:20
Total/NA	Prep	300_Prep			13153	JT	EET ALB	09/27/24 09:53
Total/NA	Analysis	300.0		20	13191	JT	EET ALB	09/27/24 13:53

Client Sample ID: S-24
Lab Sample ID: 885-12706-7
Date Collected: 09/26/24 12:50
Matrix: Solid
Date Received: 09/27/24 07:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			13151	AT	EET ALB	09/27/24 09:21
Total/NA	Analysis	8015M/D		1	13193	AT	EET ALB	09/27/24 14:29
Total/NA	Prep	5035			13151	AT	EET ALB	09/27/24 09:21
Total/NA	Analysis	8021B		1	13194	AT	EET ALB	09/27/24 14:29

Lab Chronicle

Client: Ensolum
Job ID: 885-12706-1
Project/Site: Angel Peak 2C-89

Client Sample ID: S-24
Lab Sample ID: 885-12706-7
Date Collected: 09/26/24 12:50
Matrix: Solid
Date Received: 09/27/24 07:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	SHAKE			13152	EM	EET ALB	09/27/24 09:21
Total/NA	Analysis	8015M/D		1	13161	EM	EET ALB	09/27/24 12:31
Total/NA	Prep	300_Prep			13153	JT	EET ALB	09/27/24 09:53
Total/NA	Analysis	300.0		20	13191	JT	EET ALB	09/27/24 14:08

Client Sample ID: S-25
Lab Sample ID: 885-12706-8
Date Collected: 09/26/24 13:00
Matrix: Solid
Date Received: 09/27/24 07:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			13151	AT	EET ALB	09/27/24 09:21
Total/NA	Analysis	8015M/D		1	13193	AT	EET ALB	09/27/24 14:50
Total/NA	Prep	5035			13151	AT	EET ALB	09/27/24 09:21
Total/NA	Analysis	8021B		1	13194	AT	EET ALB	09/27/24 14:50
Total/NA	Prep	SHAKE			13152	EM	EET ALB	09/27/24 09:21
Total/NA	Analysis	8015M/D		1	13161	EM	EET ALB	09/27/24 12:41
Total/NA	Prep	300_Prep			13153	JT	EET ALB	09/27/24 09:53
Total/NA	Analysis	300.0		20	13191	JT	EET ALB	09/27/24 14:23

Laboratory References:

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

Accreditation/Certification Summary

Client: Ensolum
Job ID: 885-12706-1
Project/Site: Angel Peak 2C-89

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% Same Day

Project Name: Angel Peak 2C-89

Project #: SEE NOTES

Project Manager: K. Summers

Sampler:

On Ice: ☒ Yes ☐ No mojo

# of Coolers: 1

Cooler Temp(including CF): 2.3-0.1=2.2 (°C)

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

885-12706 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, NO3, NO2, PO4, SO4~~	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)						
9/24/24	12:00	S	S-18	1 4oz jar	Cool	1	X	X					X									
↓	12:05	S	S-19	↓	↓	2	X	X					X									
↓	12:10	S	S-20	↓	↓	3	X	X					X									
↓	12:20	S	S-21	↓	↓	4	X	X					X									
↓	12:30	S	S-22	↓	↓	5	X	X					X									
↓	12:40	S	S-23	↓	↓	6	X	X					X									
↓	12:50	S	S-24	↓	↓	7	X	X					X									
↓	13:00	S	S-25	↓	↓	8	X	X					X									

Date	Time	Relinquished by	Received by	Via	Date	Time
9/26/24	1529	[signature]	Christ Walls		9/26/24	1529
9/26/24	1750	Christ Waller	[signature]	Courier	9/27/24	7:10

Remarks: PM Tom Long; WO ~~RB21200~~; AM14058; 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: 885-12706-1

Login Number: 12706 **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?	False	Refer to Job Narrative for details.
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 1/28/2025 4:50:52 PM

JOB DESCRIPTION

Angel Peak 2C-89

JOB NUMBER

885-18830-1

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
1/28/2025 4:50:52 PM

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

Client: Ensolum
Project/Site: Angel Peak 2C-89

Laboratory Job ID: 885-18830-1

Table of Contents

Definitions/Glossary

Client: Ensolum Job ID: 885-18830-1
Project/Site: Angel Peak 2C-89

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: Angel Peak 2C-89

Job ID: 885-18830-1

Job ID: 885-18830-1 Eurofins Albuquerque

Job Narrative
885-18830-1

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 1/24/2025 7:12 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 -2.3°C.

Receipt Exceptions
The following sample was received at the laboratory outside the required temperature criteria: BF-1 (885-18830-1). This does not meet regulatory requirements. The client was contacted regarding this issue, and the laboratory was instructed to proceed with analysis.

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: Angel Peak 2C-89

Job ID: 885-18830-1

Client Sample ID: BF-1

Date Collected: 01/23/25 13:00
Date Received: 01/24/25 07:12

Lab Sample ID: 885-18830-1

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		01/24/25 09:33	01/24/25 12:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*35 - 166*	*01/24/25 09:33*	*01/24/25 12:26*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.019		mg/Kg		01/24/25 09:33	01/24/25 12:26	1
Ethylbenzene	ND		0.039		mg/Kg		01/24/25 09:33	01/24/25 12:26	1
Toluene	ND		0.039		mg/Kg		01/24/25 09:33	01/24/25 12:26	1
Xylenes, Total	ND		0.077		mg/Kg		01/24/25 09:33	01/24/25 12:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*48 - 145*	*01/24/25 09:33*	*01/24/25 12:26*	*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		01/24/25 09:57	01/24/25 11:53	1
Motor Oil Range Organics [C28-C40]	ND		49		mg/Kg		01/24/25 09:57	01/24/25 11:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*117*		*62 - 134*	*01/24/25 09:57*	*01/24/25 11:53*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		60		mg/Kg		01/24/25 07:35	01/24/25 11:21	20

QC Sample Results

Client: Ensolum
Project/Site: Angel Peak 2C-89

Job ID: 885-18830-1

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

Lab Sample ID: MB 885-19796/1-A
Matrix: Solid
Analysis Batch: 19793

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 19796

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		5.0		mg/Kg		01/24/25 09:33	01/24/25 11:15	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*35 - 166*	*01/24/25 09:33*	*01/24/25 11:15*	*1*

Lab Sample ID: LCS 885-19796/2-A
Matrix: Solid
Analysis Batch: 19793

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 19796

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics [C6 - C10]			25.0	21.1		mg/Kg		85	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*187*		*35 - 166*

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 885-19796/1-A
Matrix: Solid
Analysis Batch: 19794

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 19796

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025		mg/Kg		01/24/25 09:33	01/24/25 11:15	1
Ethylbenzene	ND		0.050		mg/Kg		01/24/25 09:33	01/24/25 11:15	1
Toluene	ND		0.050		mg/Kg		01/24/25 09:33	01/24/25 11:15	1
Xylenes, Total	ND		0.10		mg/Kg		01/24/25 09:33	01/24/25 11:15	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*48 - 145*	*01/24/25 09:33*	*01/24/25 11:15*	*1*

Lab Sample ID: LCS 885-19796/3-A
Matrix: Solid
Analysis Batch: 19794

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 19796

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			1.00	1.02		mg/Kg		102	70 - 130		
Ethylbenzene			1.00	1.05		mg/Kg		105	70 - 130		
Toluene			1.00	1.04		mg/Kg		104	70 - 130		
Xylenes, Total			3.00	3.13		mg/Kg		104	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*110*		*48 - 145*

QC Sample Results

Client: Ensolum
Project/Site: Angel Peak 2C-89

Job ID: 885-18830-1

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

Lab Sample ID: MB 885-19800/1-A
Matrix: Solid
Analysis Batch: 19788

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 19800

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		10		mg/Kg		01/24/25 09:57	01/24/25 11:11	1
Motor Oil Range Organics [C28-C40]	ND		50		mg/Kg		01/24/25 09:57	01/24/25 11:11	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*113*		*62 - 134*	*01/24/25 09:57*	*01/24/25 11:11*	*1*

Lab Sample ID: LCS 885-19800/2-A
Matrix: Solid
Analysis Batch: 19788

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 19800

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Diesel Range Organics [C10-C28]			50.0	51.3		mg/Kg		103	60 - 135		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Di-n-octyl phthalate (Surr)	*95*		*62 - 134*

Lab Sample ID: 885-18830-1 MS
Matrix: Solid
Analysis Batch: 19788

Client Sample ID: BF-1
Prep Type: Total/NA
Prep Batch: 19800

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Diesel Range Organics [C10-C28]	ND		47.5	49.1		mg/Kg		103	44 - 136		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Di-n-octyl phthalate (Surr)	*95*		*62 - 134*

Lab Sample ID: 885-18830-1 MSD
Matrix: Solid
Analysis Batch: 19788

Client Sample ID: BF-1
Prep Type: Total/NA
Prep Batch: 19800

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		49.3	49.8		mg/Kg		101	44 - 136	1	32

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Di-n-octyl phthalate (Surr)	*91*		*62 - 134*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 885-19786/1-A
Matrix: Solid
Analysis Batch: 19784

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 19786

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		1.5		mg/Kg		01/24/25 07:35	01/24/25 08:19	1

QC Sample Results

Client: Ensolum
Project/Site: Angel Peak 2C-89

Job ID: 885-18830-1

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 885-19786/3-A
Matrix: Solid
Analysis Batch: 19784

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 19786

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	15.0	15.2		mg/Kg		101	90 - 110

Lab Sample ID: MRL 885-19786/2-A
Matrix: Solid
Analysis Batch: 19784

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 19786

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	1.50	1.65		mg/L		110	50 - 150

QC Association Summary

Client: Ensolum
Project/Site: Angel Peak 2C-89

Job ID: 885-18830-1

GC VOA

Analysis Batch: 19793

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-18830-1	BF-1	Total/NA	Solid	8015M/D	19796
MB 885-19796/1-A	Method Blank	Total/NA	Solid	8015M/D	19796
LCS 885-19796/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	19796

Analysis Batch: 19794

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-18830-1	BF-1	Total/NA	Solid	8021B	19796
MB 885-19796/1-A	Method Blank	Total/NA	Solid	8021B	19796
LCS 885-19796/3-A	Lab Control Sample	Total/NA	Solid	8021B	19796

Prep Batch: 19796

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-18830-1	BF-1	Total/NA	Solid	5035	
MB 885-19796/1-A	Method Blank	Total/NA	Solid	5035	
LCS 885-19796/2-A	Lab Control Sample	Total/NA	Solid	5035	
LCS 885-19796/3-A	Lab Control Sample	Total/NA	Solid	5035	

GC Semi VOA

Analysis Batch: 19788

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-18830-1	BF-1	Total/NA	Solid	8015M/D	19800
MB 885-19800/1-A	Method Blank	Total/NA	Solid	8015M/D	19800
LCS 885-19800/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	19800
885-18830-1 MS	BF-1	Total/NA	Solid	8015M/D	19800
885-18830-1 MSD	BF-1	Total/NA	Solid	8015M/D	19800

Prep Batch: 19800

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-18830-1	BF-1	Total/NA	Solid	SHAKE	
MB 885-19800/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 885-19800/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	
885-18830-1 MS	BF-1	Total/NA	Solid	SHAKE	
885-18830-1 MSD	BF-1	Total/NA	Solid	SHAKE	

HPLC/IC

Analysis Batch: 19784

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-18830-1	BF-1	Total/NA	Solid	300.0	19786
MB 885-19786/1-A	Method Blank	Total/NA	Solid	300.0	19786
LCS 885-19786/3-A	Lab Control Sample	Total/NA	Solid	300.0	19786
MRL 885-19786/2-A	Lab Control Sample	Total/NA	Solid	300.0	19786

Prep Batch: 19786

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-18830-1	BF-1	Total/NA	Solid	300_Prep	
MB 885-19786/1-A	Method Blank	Total/NA	Solid	300_Prep	
LCS 885-19786/3-A	Lab Control Sample	Total/NA	Solid	300_Prep	
MRL 885-19786/2-A	Lab Control Sample	Total/NA	Solid	300_Prep	

Lab Chronicle

Client: Ensolum
Job ID: 885-18830-1
Project/Site: Angel Peak 2C-89

Client Sample ID: BF-1
Lab Sample ID: 885-18830-1

Date Collected: 01/23/25 13:00
Matrix: Solid

Date Received: 01/24/25 07:12

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			19796	JP	EET ALB	01/24/25 09:33
Total/NA	Analysis	8015M/D		1	19793	JP	EET ALB	01/24/25 12:26
Total/NA	Prep	5035			19796	JP	EET ALB	01/24/25 09:33
Total/NA	Analysis	8021B		1	19794	JP	EET ALB	01/24/25 12:26
Total/NA	Prep	SHAKE			19800	MI	EET ALB	01/24/25 09:57
Total/NA	Analysis	8015M/D		1	19788	MI	EET ALB	01/24/25 11:53
Total/NA	Prep	300_Prep			19786	RC	EET ALB	01/24/25 07:35
Total/NA	Analysis	300.0		20	19784	RC	EET ALB	01/24/25 11:21

Laboratory References:

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

Accreditation/Certification Summary

Client: Ensolum
Job ID: 885-18830-1
Project/Site: Angel Peak 2C-89

Laboratory: Eurofins Albuquerque

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

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

Chain-of-Custody Record

Client: Ensolum

Mailing Address: 606 S Rio Grande Suite 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%
☐ Standard ☑ Rush 1-24-25

Project Name: Angel Peak 2C-89

Project #:

Project Manager: K Summers

Sampler: CD Aponte

On Ice: ☑ Yes ☐ No

# of Coolers: 1 Mojo

Cooler Temp (including CF): 2.2-0.1=2.3 (°C)

HALL ENVIRONMENTAL ANALYSIS LABORA

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

885-18830 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, NO3, NO2, PO4, SO4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
1/23	1300	S	BH-1	4oz Jar	Cool		✓	✓					✓			

Date	Time.	Relinquished by	Received by:	Via:	Date	Time
1/23/25	1443			Courier	1/23/24	1443
1/23/25	1716			Courier	1/24/25	7:12

Remarks: Tom Long Am 142058 Do not freeze gw 1/24/25 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: 885-18830-1

Login Number: 18830 **List Source: Eurofins Albuquerque**
List Number: 1
Creator: McQuiston, Steven

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.	False	Refer to Job Narrative for details.
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	

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS

Action 438075

QUESTIONS

Operator: Enterprise Field Services, LLC PO Box 4324 Houston, TX 77210	OGRID: 241602
	Action Number: 438075
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2424846665**
Incident Name	**NAPP2424846665 LATERAL 2C-89 @ 0**
Incident Type	**Natural Gas Release**
Incident Status	**Reclamation Report Received**

Location of Release Source	
Please answer all the questions in this group.	
Site Name	Lateral 2C-89
Date Release Discovered	09/04/2024
Surface Owner	Federal

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	Yes
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: 96 MCF | Recovered: 0 MCF | Lost: 96 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)	The release is in a wash. Actual gas loss will be calculated at the time of repairs.

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS (continued)

Operator: Enterprise Field Services, LLC PO Box 4324 Houston, TX 77210	OGRID: 241602
	Action Number: 438075
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

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	**Yes**
Reasons why this would be considered a submission for a notification of a major release	**From paragraph A. "Major release" determine using:** **(2) an unauthorized release of a volume that:** **(b) may with reasonable probability reach a watercourse.**

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: 09/11/2024

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS (continued)

Operator: Enterprise Field Services, LLC PO Box 4324 Houston, TX 77210	OGRID: 241602
	Action Number: 438075
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Site Characterization	
Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 26 and 50 (ft.)
What method was used to determine the depth to ground water	OCD Imaging Records Lookup
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between 1 and 100 (ft.)
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	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1 and 5 (mi.)
Any other fresh water well or spring	Greater than 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between ½ and 1 (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	Yes
Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)	
Chloride (EPA 300.0 or SM4500 Cl B)	60
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	0.1
GRO+DRO (EPA SW-846 Method 8015M)	0.1
BTEX (EPA SW-846 Method 8021B or 8260B)	0.1
Benzene (EPA SW-846 Method 8021B or 8260B)	0.1
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.	
On what estimated date will the remediation commence	09/09/2024
On what date will (or did) the final sampling or liner inspection occur	09/16/2024
On what date will (or was) the remediation complete(d)	01/23/2025
What is the estimated surface area (in square feet) that will be reclaimed	1237
What is the estimated volume (in cubic yards) that will be reclaimed	670
What is the estimated surface area (in square feet) that will be remediated	1237
What is the estimated volume (in cubic yards) that will be remediated	670
These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.	
The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.	

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS (continued)

Operator: Enterprise Field Services, LLC PO Box 4324 Houston, TX 77210	OGRID: 241602
	Action Number: 438075
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Remediation Plan (continued)	
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
(Select all answers below that apply.)	
(Ex Situ) Excavation and **off-site** disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for **off-site** disposal	ENVIROTECH LANDFARM #2 [fEEM0112336756]
OR which OCD approved well (API) will be used for **off-site** disposal	*Not answered.*
OR is the **off-site** disposal site, to be used, out-of-state	*Not answered.*
OR is the **off-site** disposal site, to be used, an NMED facility	*Not answered.*
(Ex Situ) Excavation and **on-site** remediation (i.e. On-Site Land Farms)	*Not answered.*
(In Situ) Soil Vapor Extraction	*Not answered.*
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	*Not answered.*
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	*Not answered.*
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	*Not answered.*
Ground Water Abatement pursuant to 19.15.30 NMAC	*Not answered.*
OTHER (Non-listed remedial process)	*Not answered.*
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.	
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: 03/03/2025
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.	

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS (continued)

Operator: Enterprise Field Services, LLC PO Box 4324 Houston, TX 77210	OGRID: 241602
	Action Number: 438075
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Deferral Requests Only	
Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS (continued)

Operator: Enterprise Field Services, LLC PO Box 4324 Houston, TX 77210	OGRID: 241602
	Action Number: 438075
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	**421750**
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	**01/23/2025**
What was the (estimated) number of samples that were to be gathered	**1**
What was the sampling surface area in square feet	**200**

Remediation Closure Request	
Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.	
Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	**Yes**
Was this release entirely contained within a lined containment area	**No**
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	1237
What was the total volume (cubic yards) remediated	670
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes
What was the total surface area (in square feet) reclaimed	1237
What was the total volume (in cubic yards) reclaimed	670
Summarize any additional remediation activities not included by answers (above)	None

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (in .pdf format) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

I hereby agree and sign off to the above statement	Name: Thomas Long Title: Sr Field Environmental Scientist Email: tjlong@eprod.com Date: 03/03/2025

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS (continued)

Operator: Enterprise Field Services, LLC PO Box 4324 Houston, TX 77210	OGRID: 241602
	Action Number: 438075
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Reclamation Report	
Only answer the questions in this group if all reclamation steps have been completed.	
Requesting a reclamation approval with this submission	Yes
What was the total reclamation surface area (in square feet) for this site	1237
What was the total volume of replacement material (in cubic yards) for this site	670
Per Paragraph (1) of Subsection D of 19.15.29.13 NMAC the reclamation must contain a minimum of four feet of non-waste containing, uncontaminated, earthen material with chloride concentrations less than 600 mg/kg as analyzed by EPA Method 300.0, or other test methods approved by the division. The soil cover must include a top layer, which is either the background thickness of topsoil or one foot of suitable material to establish vegetation at the site, whichever is greater.	
Is the soil top layer complete and is it suitable material to establish vegetation	Yes
On what (estimated) date will (or was) the reseeding commence(d)	07/01/2025
Summarize any additional reclamation activities not included by answers (above)	None
The responsible party must attach information demonstrating they have complied with all applicable reclamation requirements and any conditions or directives of the OCD. This demonstration should be in the form of attachments (in .pdf format) including a scaled site map, any proposed reseeding plans or relevant field notes, photographs of reclaimed area, and a narrative of the reclamation activities. Refer to 19.15.29.13 NMAC.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.	
I hereby agree and sign off to the above statement	Name: Thomas Long Title: Sr Field Environmental Scientist Email: tjlong@eprod.com Date: 03/03/2025

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS (continued)

Operator: Enterprise Field Services, LLC PO Box 4324 Houston, TX 77210	OGRID: 241602
	Action Number: 438075
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Revegetation Report	
Only answer the questions in this group if all surface restoration, reclamation and re-vegetation obligations have been satisfied.	
Requesting a restoration complete approval with this submission	No
Per Paragraph (4) of Subsection (D) of 19.15.29.13 NMAC for any major or minor release containing liquids, the responsible party must notify the division when reclamation and re-vegetation are complete.	

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

General Information
Phone: (505) 629-6116

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

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

CONDITIONS

Action 438075

CONDITIONS

Operator: Enterprise Field Services, LLC PO Box 4324 Houston, TX 77210	OGRID: 241602
	Action Number: 438075
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	We have received your Reclamation/Remediation Closure Report for Incident #NAPP2424846665 LATERAL 2C-89, thank you. This Reclamation/Remediation Closure Report is approved.	3/4/2025