

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., 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 Department

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-141
Revised August 24, 2018
Submit to appropriate OCD District office

| | |
|----------------|--|
| Incident ID | |
| District RP | |
| Facility ID | |
| Application ID | |

Release Notification

Responsible Party

| | |
|--|--|
| Responsible Party: Enterprise Field Services, LLC | OGRID: 241602 |
| Contact Name: Thomas Long | Contact Telephone: 505-599-2286 |
| Contact email: tjlong@eprod.com | Incident # (assigned by OCD) nAPP2315932501 |
| Contact mailing address: 614 Reilly Ave, Farmington, NM 87401 | |

Location of Release Source

Latitude **36.918942** Longitude **-108.018772** (NAD 83 in decimal degrees to 5 decimal places)

| | |
|--|---|
| Site Name Case LS#9 | Site Type Natural Gas Gathering Pipeline |
| Date Release Discovered: 06/08/2023 | Serial Number (if applicable): N/A |

| Unit Letter | Section | Township | Range | County |
|-------------|----------|------------|------------|-----------------|
| D | 8 | 31N | 11W | San Juan |

Surface Owner: State Federal Tribal Private (Name: **BLM**)

Nature and Volume of Release

Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below)

| | | |
|---|--|--|
| <input type="checkbox"/> Crude Oil | Volume Released (bbls) | Volume Recovered (bbls) |
| <input type="checkbox"/> Produced Water | Volume Released (bbls) | Volume Recovered (bbls) |
| | Is the concentration of dissolved chloride in the produced water >10,000 mg/l? | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| <input checked="" type="checkbox"/> Condensate | Volume Released (bbls): Estimated 10-15 BBLs | Volume Recovered (bbls): None |
| <input checked="" type="checkbox"/> Natural Gas | Volume Released (Mcf): 0.624 MCF | Volume Recovered (Mcf): None |
| <input type="checkbox"/> Other (describe) | Volume/Weight Released (provide units): | Volume/Weight Recovered (provide units) |

Cause of Release On June 2, 2023, Enterprise had a release of natural gas and natural gas liquids from the Case LS#9 pipeline. The pipeline was isolated, depressurized, locked and tagged out. No fire nor injuries occurred. No liquids were observed on the ground surface. Repairs and remediation began on June 8, 2023, at which time Enterprise determined the release reportable per NMOCD regulation, due to the volume of impacted subsurface soil. Repairs and remediation were completed on June 16, 2023. The final excavation dimensions measured approximately 38 feet long by 30 feet wide by 17 feet deep. A total of 1,072 cubic yards of hydrocarbon impacted soil was excavated and transported to a New Mexico Oil Conservation Division (NMOCD) approved land farm. A third party closure report is included with this "Final" C-141.

| | |
|----------------|--|
| Incident ID | |
| District RP | |
| Facility ID | |
| Application ID | |

Closure

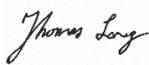
The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled 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.

Closure Report Attachment Checklist: Each of the following items must be included in the closure report.

- A scaled site and sampling diagram as described in 19.15.29.11 NMAC
- Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)
- Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
- Description of remediation activities

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.

Printed Name: Thomas Long Title: Senior Environmental Scientist

Signature:  Date: 08-25-2023

email: tjlong@eprod.com Telephone: (505) 599-2286

OCD Only

Received by: _____ Date: _____

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by:  Date: 12/07/2023

Printed Name: Nelson Velez Title: Environmental Specialist – Adv



ENSOLUM

CLOSURE REPORT

Property:

Case LS #9 (06/08/23)
Unit Letter D, S8 T31N R11W
San Juan County, New Mexico

New Mexico EMNRD OCD Incident ID No. NAPP2315932501

August 21, 2023

Ensolum Project No. 05A1226245

Prepared for:

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

Prepared by:

Chad D'Aponti
Project Scientist

Kyle Summers
Senior Managing Geologist

TABLE OF CONTENTS

| | |
|---|----------|
| 1.0 INTRODUCTION | 1 |
| 1.1 Site Description & Background | 1 |
| 1.2 Project Objective | 1 |
| 2.0 CLOSURE CRITERIA | 1 |
| 3.0 SOIL REMEDIATION ACTIVITIES | 3 |
| 4.0 SOIL SAMPLING PROGRAM | 3 |
| 5.0 SOIL LABORATORY ANALYTICAL METHODS | 4 |
| 6.0 SOIL DATA EVALUATION | 4 |
| 7.0 RECLAMATION AND REVEGETATION | 5 |
| 8.0 FINDINGS AND RECOMMENDATION | 5 |
| 9.0 STANDARDS OF CARE, LIMITATIONS, AND RELIANCE | 5 |
| 9.1 Standard of Care | 5 |
| 9.2 Limitations | 5 |
| 9.3 Reliance | 6 |

LIST OF APPENDICES

Appendix A – Figures

- Figure 1: Topographic Map
- Figure 2: Site Vicinity Map
- Figure 3: Site Map with Soil Analytical Results

Appendix B – Siting Figures and Documentation

- Figure A: 1.0 Mile Radius Water Well/POD Location Map
- Figure B: Cathodic Protection Well Recorded Depth to Water
- Figure C: 300 Foot Radius Watercourse and Drainage Identification
- Figure D: 300 Foot Radius Occupied Structure Identification
- Figure E: Water Well and Natural Spring Location
- Figure F: Wetlands
- Figure G: Mines, Mills, and Quarries
- Figure H: 100-Year Flood Plain Map

Appendix C – Executed C-138 Solid Waste Acceptance Form

Appendix D – Photographic Documentation

Appendix E – Regulatory Correspondence

Appendix F – Table 1 - Soil Analytical Summary

Appendix G – Laboratory Data Sheets & Chain of Custody Documentation

1.0 INTRODUCTION

1.1 Site Description & Background

| | |
|-------------------------------------|---|
| Operator: | Enterprise Field Services, LLC / Enterprise Products Operating LLC (Enterprise) |
| Site Name: | Case LS #9 (06/08/23) (Site) |
| NM EMNRD OCD Incident ID No. | NAPP2315932501 |
| Location: | 36.918942° North, 108.018772° West Unit Letter D, Section 8, Township 31 North, Range 11 West San Juan County, New Mexico |
| Property: | United States Bureau of Land Management (BLM) |
| Regulatory: | New Mexico (NM) Energy, Minerals and Natural Resources Department (EMNRD) Oil Conservation Division (OCD) |

On June 2, 2023, a release of natural gas from the Case LS #9 pipeline was identified by a third party. Enterprise verified the release and subsequently isolated and locked the pipeline out of service. On June 8, 2023, Enterprise initiated activities to repair the pipeline and remediate petroleum hydrocarbon impact. In addition, Enterprise determined the release was “reportable” due to the estimated volume of impacted soil. The NM EMNRD OCD was subsequently notified.

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

1.2 Project Objective

The primary objective of the 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 New Mexico EMNRD OCD. 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, during the evaluation and remediation of the Site. The appropriate closure criteria for sites are determined using the siting requirements outlined in Paragraph (4) of Subsection C of 19.15.29.12 NMAC. Ensolum utilized the general site characteristics and information available from NM state agency databases and federal agency geospatial databases to determine the appropriate closure criteria for the Site. Supporting figures and documentation associated with the following Siting bullets are provided in **Appendix B**.

- The NM Office of the State Engineer (OSE) tracks the usage and assignment of water rights and water well installations and records this information in the Water Rights Reporting System (WRRS) database. Water wells and other points of diversion (PODs) are each assigned POD numbers in the database (which is searchable and includes an interactive map). No PODs were identified in the same Public Land Survey System (PLSS) section as the Site. One POD (SJ-03858-POD1) was identified in an adjacent section. The depth to water for this POD is 85 feet below grade surface (bgs). This POD is approximately 1.6 miles southwest of the Site and approximately 120 feet lower in elevation than the Site (**Figure A, Appendix B**).

- Four cathodic protection wells (CPWs) were identified in the NM EMNRD OCD imaging database in the adjacent PLSS sections. These CPWs are depicted on **Figure B (Appendix B)**. Two of the closest CPWs are located less than 1.0 mile from the Site. Documentation for the cathodic protection well located near the Grenier #4 and #14 well locations indicate a depth to water at 34 feet bgs and 120 feet bgs. This cathodic protection well is located approximately 0.91 miles northwest of the Site and is approximately 93 feet higher in elevation than the Site. Documentation for the cathodic protection well located near the Grenier #101 well location indicates a depth to water of approximately 120 feet bgs. This cathodic protection well is located approximately 0.98 miles southwest of the Site and is approximately 11 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**). Two stock ponds are located within 300 feet of the Site.
- The Site is not located within 200 feet of a lakebed, sinkhole, or playa lake.
- The Site is not located within 300 feet of a permanent residence, school, hospital, institution, or church (**Figure D, Appendix B**).
- No springs, or private domestic freshwater wells used by less than five households for domestic or stock watering purposes were identified within 500 feet of the Site (**Figure E, Appendix B**).
- 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 not within 300 feet of a wetland (**Figure F, Appendix B**).
- 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 not within a 100-year floodplain (**Figure H, Appendix B**).

Based on available information, the applicable 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 June 8, 2023, Enterprise initiated activities to repair the pipeline and remediate petroleum hydrocarbon impact resulting from the release. During the remediation and corrective action activities, West States Energy Contractors Inc, (WSEC), provided heavy equipment and labor support, while Ensolum provided environmental consulting support.

The final excavation measured approximately 38 feet long and 30 feet wide at the maximum extents. The maximum depth of the excavation measured approximately 17 feet bgs. The lithology encountered during the completion of remediation activities consisted primarily of silty sand underlain by sandstone.

Approximately 1,072 cubic yards (yd³) of petroleum hydrocarbon-affected soil and 65 barrels (bbls) of hydro-excavation soil cuttings and water were transported to the Envirotech, Inc., (Envirotech) landfarm near Hilltop, 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 topography.

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

4.0 SOIL SAMPLING PROGRAM

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

Ensolum's soil sampling program included the collection of 22 composite soil samples (S-1 through S-17, S-3a, S-4a, S-5a, S-7a, and S-8a) from the excavation for laboratory analysis. The composite samples were comprised of five aliquots each and represent an estimated 200 square foot (ft²) or less sample area per guidelines outlined in Section D of 19.15.29.12 NMAC. Hand tools or the excavator bucket were utilized to obtain fresh aliquots from each area of the excavation. Regulatory correspondence is provided in **Appendix E**.

First Sampling Event

On June 12, 2023, 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 (17'), S-2 (17'), S-3 (11.5'), S-4 (11.5'), S-5 (7'), and S-6 (7') were collected from the floor of the excavation. Composite soil samples S-7 (0' to 7'), S-8 (0' to 7'), S-9 (0' to 7'), S-10 (0' to 11.5'), S-11 (0' to 17'), S-12 (0' to 17'), S-13 (0' to 17'), S-14 (0' to 17'), S-15 (0' to 17'), S-16

(0' to 11.5'), and S-17 (0' to 7') were collected from the walls of the excavation. Subsequent soil analytical results identified total BTEX and TPH concentrations that exceeded the NM EMNRD OCD closure criteria for composite soil samples S-3, S-4, S-5, S-7, and S-8.

Second Sampling Event

In response to the exceedances of composite samples S-3, S-4, S-5, S-7, and S-8 during the first sampling event, the impacted soils were removed by excavation and transported to the landfarm for disposal/remediation. On June 16, 2023, a second sampling event 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-3a (12'), S-4a (12'), and S-5a (7.5') were collected from the floor of the excavation. Composite soil samples S-7a (0' to 7'), and S-8a (0' to 7') were collected from the walls of the excavation.

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 Hall Environmental Analysis Laboratory 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, S-2, S-3a, S-4a, S-5a, S-6, S-7a, S-8a, and S-9 through S-17) to the applicable NM EMNRD OCD closure criteria. In the event that the laboratory did not quantify a result for BTEX or chloride, Ensolum compared the laboratory supplied PQLs/RLs to the New Mexico EMNRD OCD closure criteria. Due to the high PQLs/RLs associated with the TPH MRO ranges when using EPA SW-846 Method #8015, Ensolum only compared the quantified TPH results to the New Mexico EMNRD OCD closure criteria. The soils associated with composite soil samples S-3, S-4, S-5, S-7, and S-8 were removed from the Site, and therefore, are not included in the following discussion. The laboratory analytical results are summarized in **Table 1 (Appendix F)**.

- The laboratory analytical results for composite soil samples S-1, S-2, and S-6 indicate benzene concentrations of 0.057 mg/kg, 0.21 mg/kg, and 0.076 mg/kg, respectively, which are less than the NM EMNRD OCD closure criteria of 10 mg/kg. The laboratory analytical results for all other composite soil samples associated with soil remaining at the Site indicate total benzene is not present at concentrations greater than the laboratory PQLs/RLs, which are less than the NM EMNRD OCD closure criteria of 10 mg/kg.
- The laboratory analytical results for composite soil samples S-1, S-2, S-6, S-9, S-10, S-12, S-13, and S-17 indicate total BTEX concentrations ranging from 0.10 mg/kg (S-13 and S-17) to 9.6 mg/kg (S-2), which are less than the New Mexico EMNRD OCD closure criteria of 50 mg/kg. The laboratory analytical results for all other composite soil samples associated with

soil remaining at the Site indicate total BTEX is not present at concentrations greater than the laboratory PQLs/RLs, which are less than the NM EMNRD OCD closure criteria of 50 mg/kg.

- The laboratory analytical results for composite soil samples S-1, S-2, S-3a, S-4a, S-6, and S-7a indicate total combined TPH GRO/DRO/MRO concentrations ranging from 8.9 mg/kg (S-6) to 91 mg/kg (S-2), which are less than the New Mexico EMNRD OCD closure criteria of 100 mg/kg. The laboratory analytical results for all other composite soil samples associated with soil remaining at the Site indicate total combined TPH GRO/DRO/MRO is not present at concentrations greater than the laboratory PQLs/RLs, which are less than the New Mexico EMNRD OCD closure criteria of 100 mg/kg.
- The laboratory analytical results for composite soil samples S-1, S-2, S-6, and S-9 through S-17 indicate chloride concentrations ranging from 61 mg/kg (S-11) to 160 mg/kg (S-16 and S-17), which are less than the NM EMNRD OCD closure criteria of 600 mg/kg. The laboratory analytical results for all other composite soil samples associated with soil remaining at the Site indicate chloride is not present at concentrations greater than the laboratory PQLs/RLs, which are less than the NM EMNRD OCD closure criteria of 600 mg/kg.

7.0 RECLAMATION AND REVEGETATION

The excavation was backfilled with imported fill and then contoured to the surrounding topography.

8.0 FINDINGS AND RECOMMENDATION

- Twenty-two 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 1,072 yd³ of petroleum hydrocarbon-affected soil and 65 bbls of hydro-excavation soil cuttings and water were transported to the Envirotech landfarm for disposal/remediation. The excavation was backfilled with imported fill and then contoured to the surrounding topography.

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

9.0 STANDARDS OF CARE, LIMITATIONS, AND RELIANCE

9.1 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).

9.2 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.

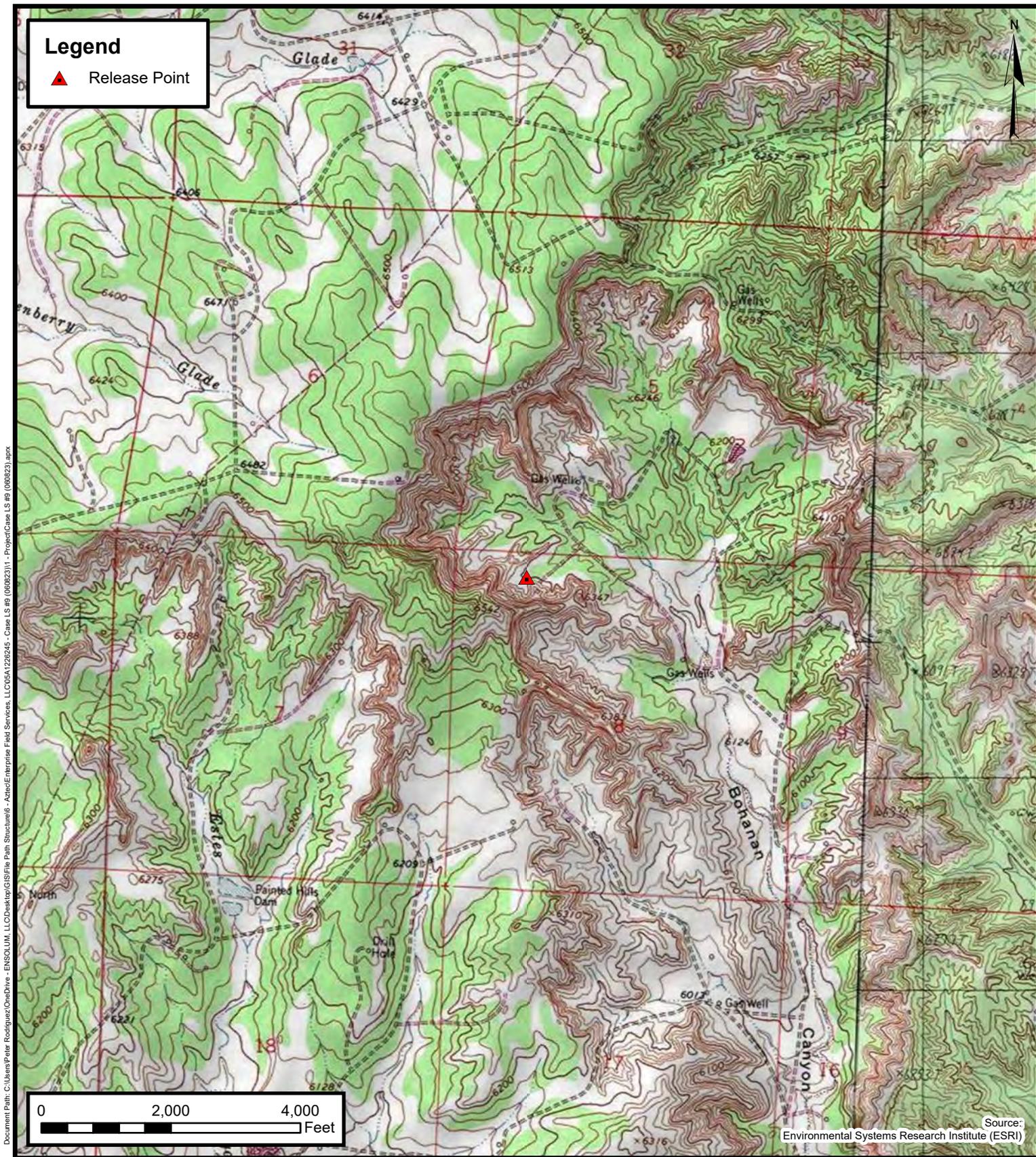
9.3 Reliance

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 the Closure 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.



APPENDIX A

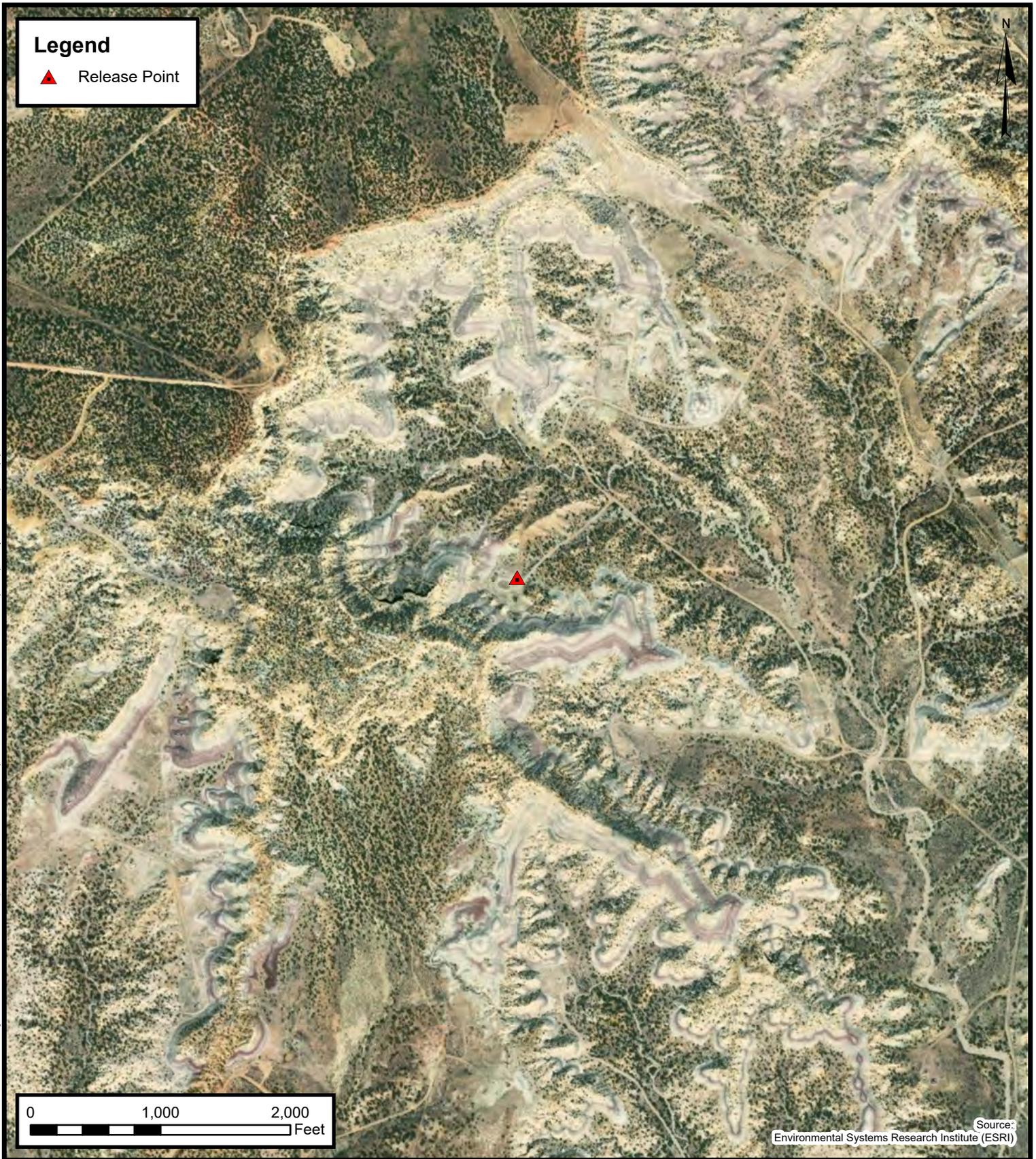
Figures



ENSOLUM
 Environmental, Engineering and
 Hydrogeologic Consultants

Topographic Map
 Enterprise Field Services, LLC
 Case LS #9 (06/08/23)
 Project Number: 05A1226245
 Unit Letter D, S8 T31N R11W, San Juan County, New Mexico
 36.918942, -108.018772

FIGURE
1

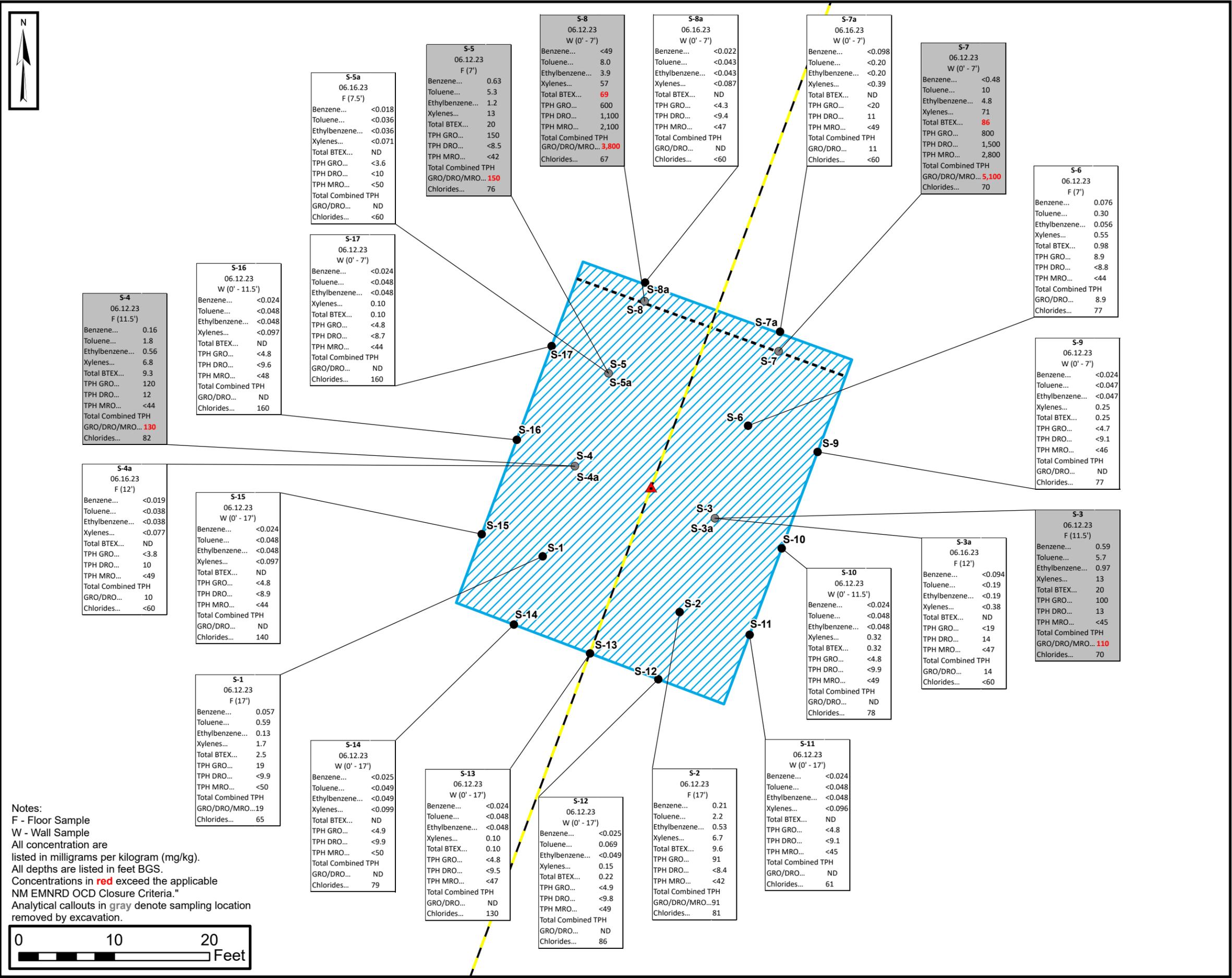


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ENSOLUM
Environmental, Engineering and Hydrogeologic Consultants

Site Vicinity Map
Enterprise Field Services, LLC
Case LS #9 (06/08/23)
Project Number: 05A1226245
Unit Letter D, S8 T31N R11W, San Juan County, New Mexico
36.918942, -108.018772

FIGURE
2



LEGEND

- ▲ Release Point
- Composite Soil Sample Location
- Composite Soil Sample Removed by Excavation
- Pipeline Location
- - - Former Wall
- ▨ Excavation Extent

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Environmental, Engineering and Hydrogeologic Consultants

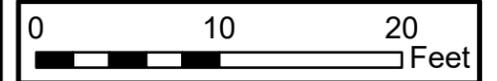
Site Map with Soil Analytical Results

Enterprise Field Services, LLC
Case LS #9 (06/08/23)
Unit Letter D, S8 T31N R11W
San Juan County, New Mexico
36.918942, -108.018772

Figure 3

Project Number: 05A1226245

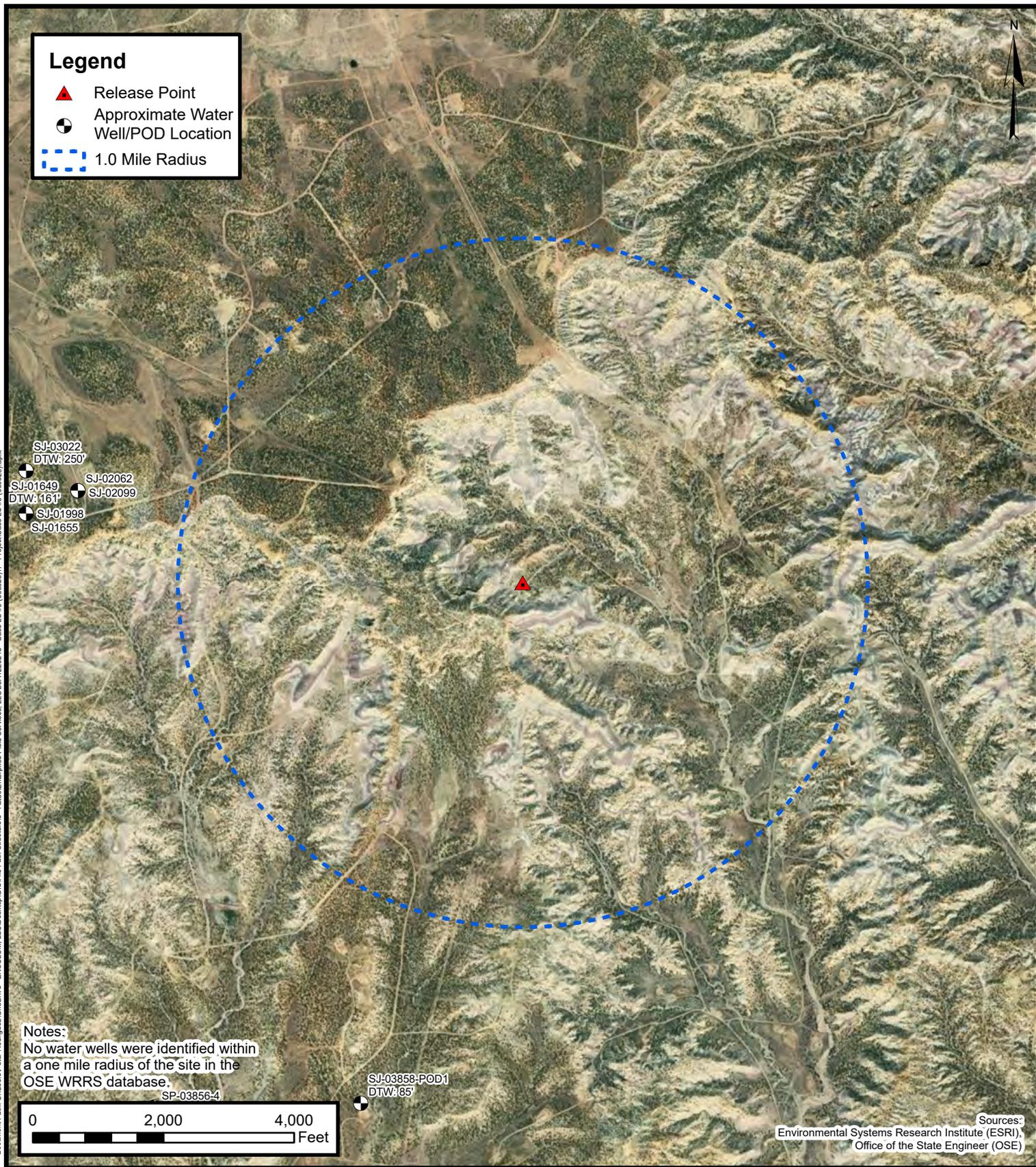
Notes:
F - Floor Sample
W - Wall Sample
All concentration are listed in milligrams per kilogram (mg/kg).
All depths are listed in feet BGS.
Concentrations in red exceed the applicable NM EMNRD OCD Closure Criteria.
Analytical callouts in gray denote sampling location removed by excavation.





APPENDIX B

Siting Figures and Documentation

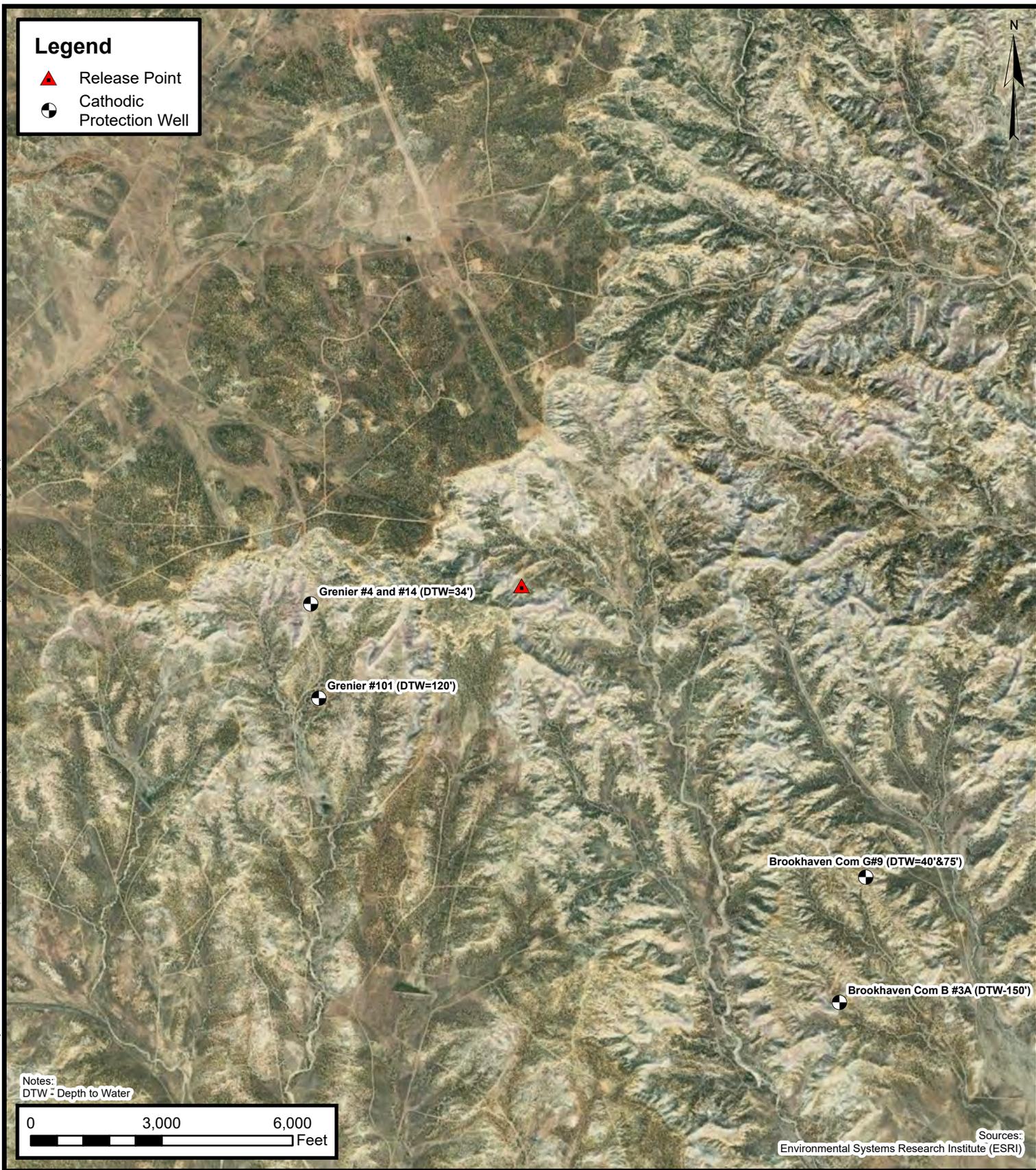


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1.0 Mile Radius Water Well/ Pod Location Map

Enterprise Field Services, LLC
 Case LS #9 (06/08/23)
 Project Number: 05A1226245
 Unit Letter D, S8 T31N R11W, San Juan County, New Mexico
 36.918942, -108.018772

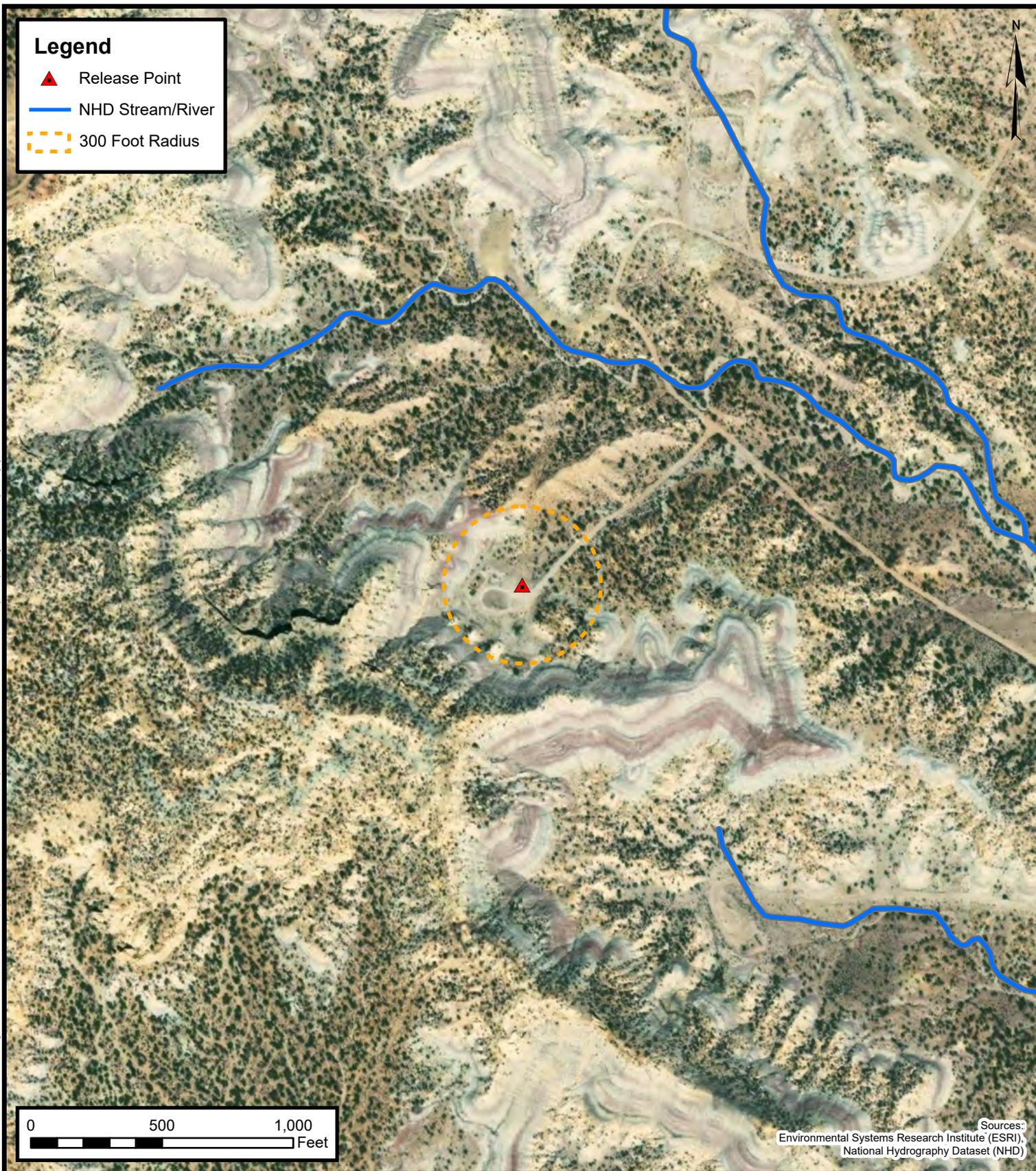
**FIGURE
A**



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**Cathodic Protection Well
Recorded Depth to Water**
 Enterprise Field Services, LLC
 Case LS #9 (06/08/23)
 Project Number: 05A1226245
 Unit Letter D, S8 T31N R11W, San Juan County, New Mexico
 36.918942, -108.018772

**FIGURE
B**



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300 Foot Radius Watercourse and Drainage Identification
 Enterprise Field Services, LLC
 Case LS #9 (06/08/23)
 Project Number: 05A1226245
 Unit Letter D, S8 T31N R11W, San Juan County, New Mexico
 36.918942, -108.018772

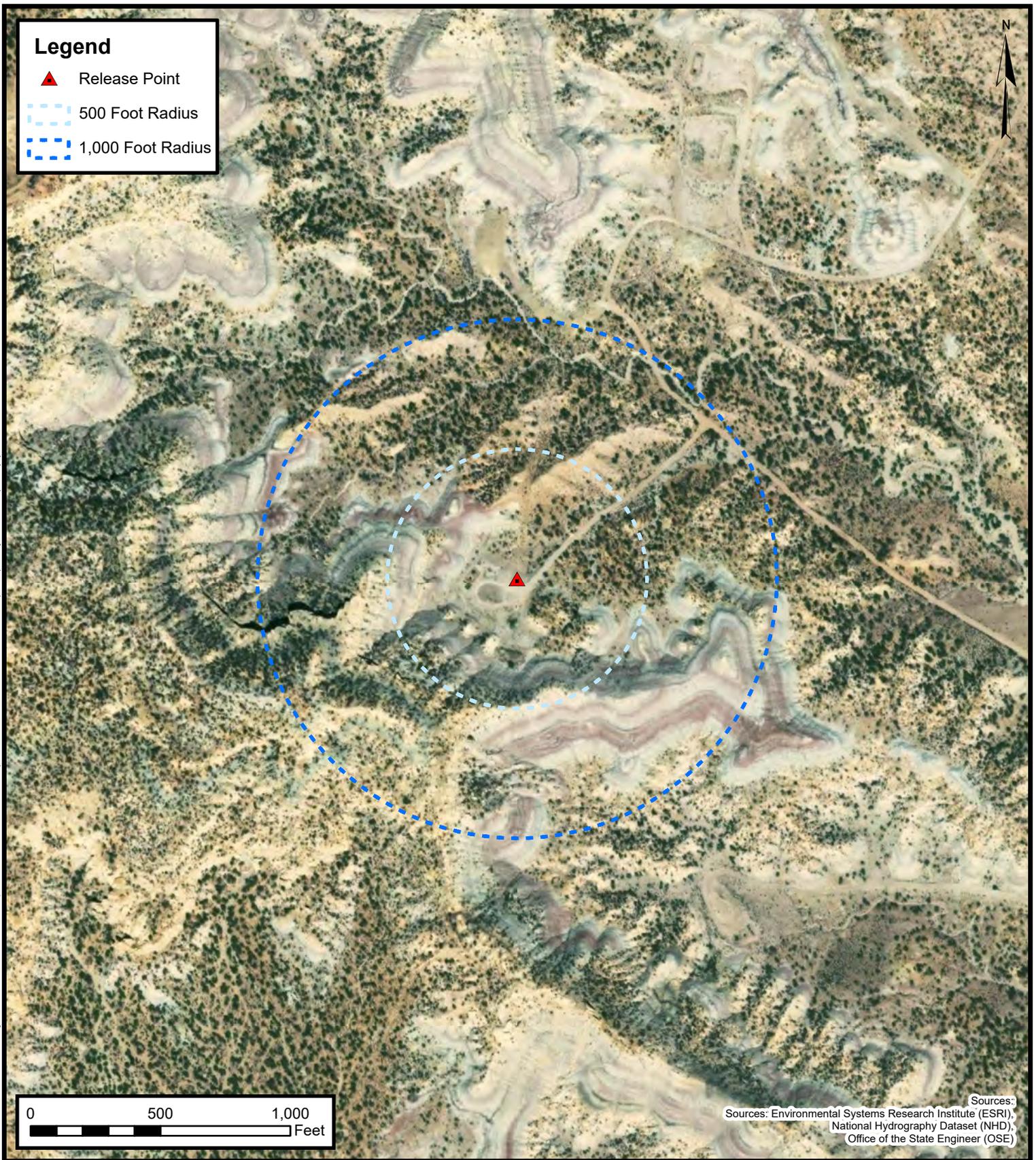
FIGURE C



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300 Foot Radius Occupied Structure Identification
 Enterprise Field Services, LLC
 Case LS #9 (06/08/23)
 Project Number: 05A1226245
 Unit Letter D, S8 T31N R11W, San Juan County, New Mexico
 36.918942, -108.018772

FIGURE D



Document Path: C:\Users\Peter.Rodriguez\OneDrive - ENSOLUM, LLC\Desktop\GIS\File Path Structure6 - Arico\Enterprise Field Services, LLC\05A1226245 - Case LS #9 (06/08/23)1 - Project\Case LS #9 (06/08/23).anx

ENSOLUM
Environmental, Engineering and Hydrogeologic Consultants

Water Well and Natural Spring Location
 Enterprise Field Services, LLC
 Case LS #9 (06/08/23)
 Project Number: 05A1226245
 Unit Letter D, S8 T31N R11W, San Juan County, New Mexico
 36.918942, -108.018772

FIGURE E

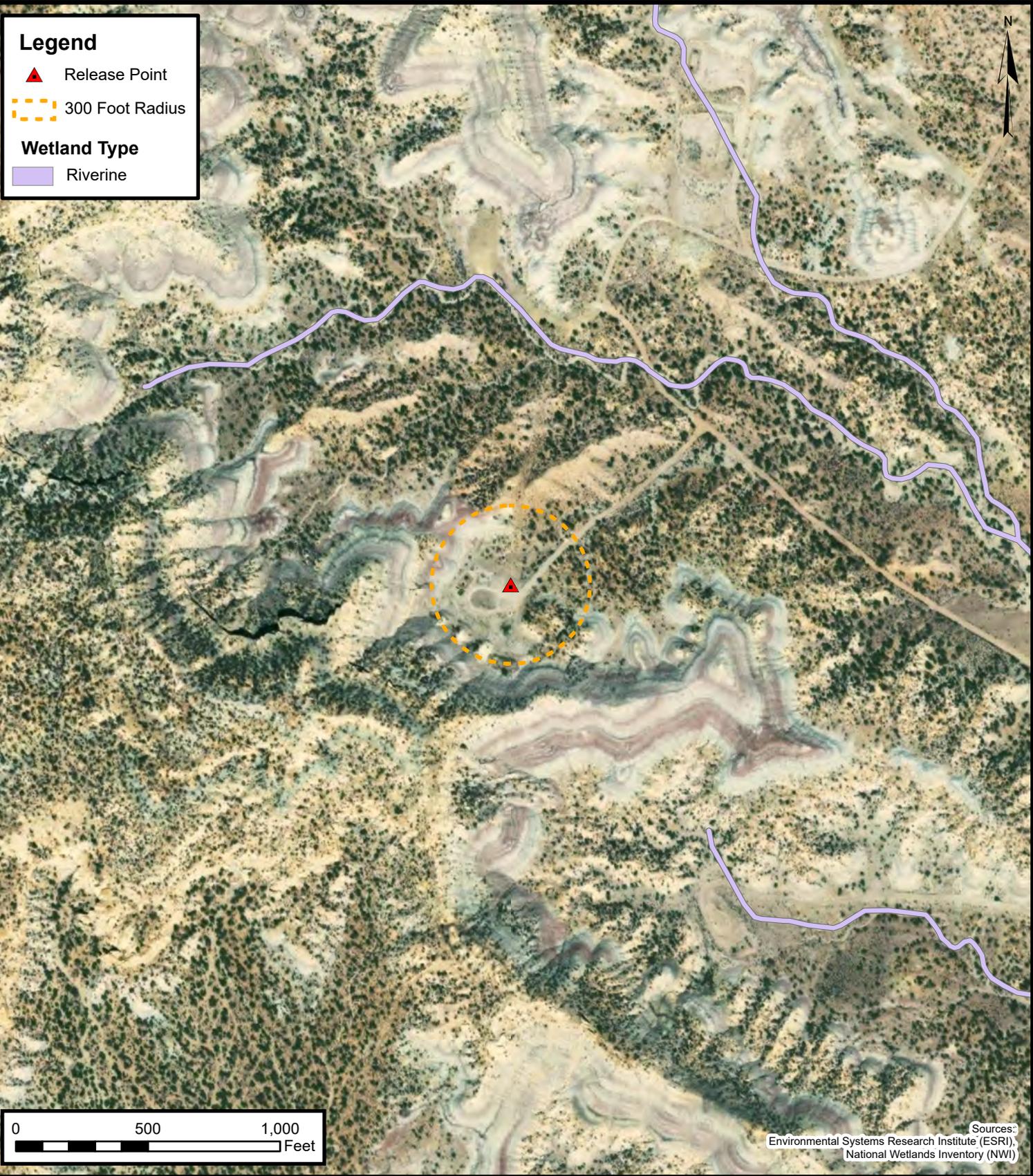
Document Path: C:\Users\Peter.Rodriguez\OneDrive - ENSOLUM, LLC\Desktop\GIS\Map Structure6 - Arico\Enterprise Field Services, LLC\05A1226245 - Case LS #9 (06/08/23) - Project Case LS #9 (06/08/23).anrx

Legend

-  Release Point
-  300 Foot Radius

Wetland Type

-  Riverine



Sources:
Environmental Systems Research Institute (ESRI),
National Wetlands Inventory (NWI)



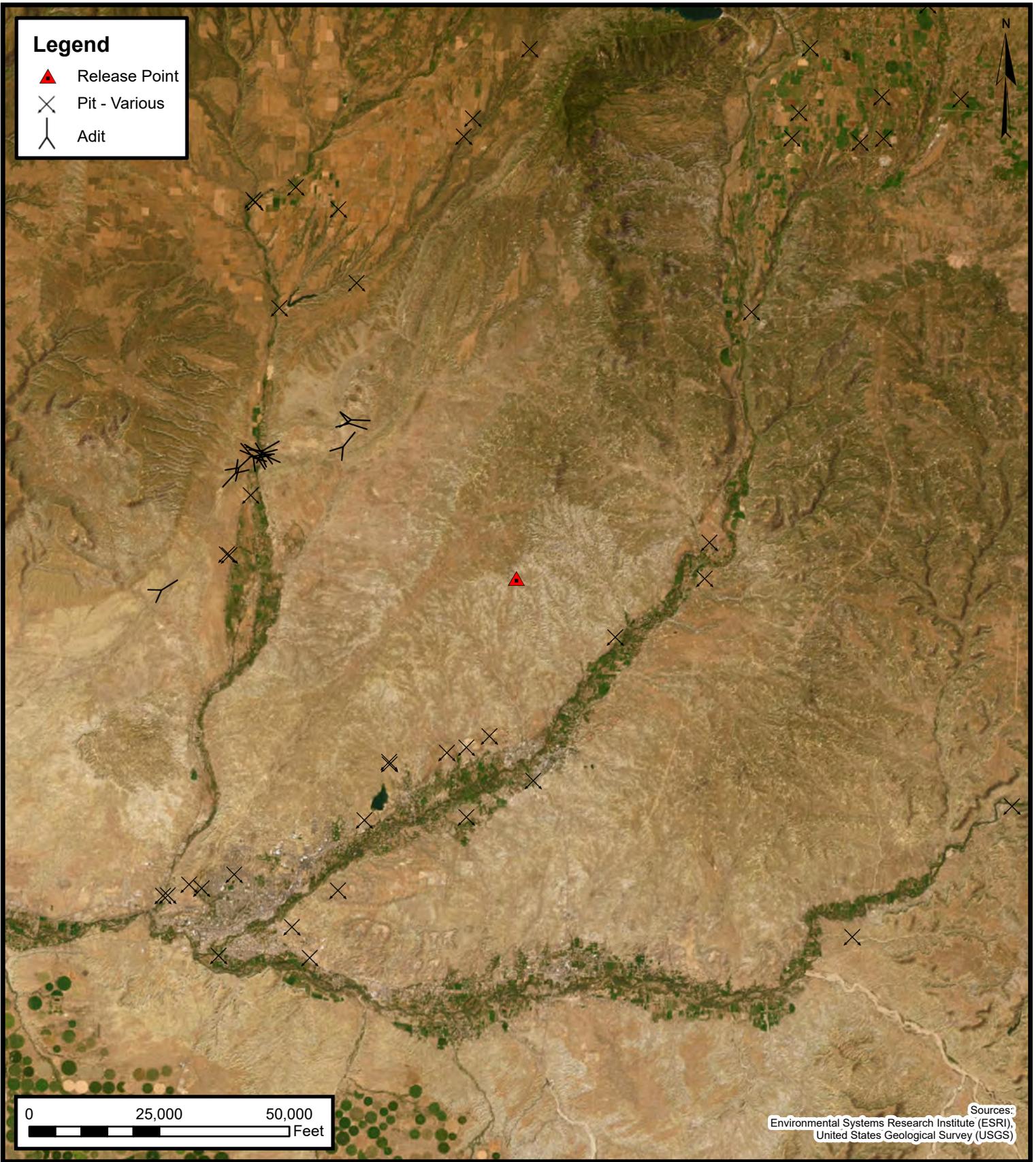
ENSOLUM
Environmental, Engineering and
Hydrogeologic Consultants

Wetlands

Enterprise Field Services, LLC
Case LS #9 (06/08/23)
Project Number: 05A1226245
Unit Letter D, S8 T31N R11W, San Juan County, New Mexico
36.918942, -108.018772

FIGURE
F

Document Path: C:\Users\Peter.Rodriguez\OneDrive - ENSOLUM, LLC\Desktop\GIS\File Path Structure6 - Arico\Enterprise Field Services, LLC\05A1226245 - Case LS #9 (06/08/23)\1 - Project\Case LS #9 (06/08/23).anx

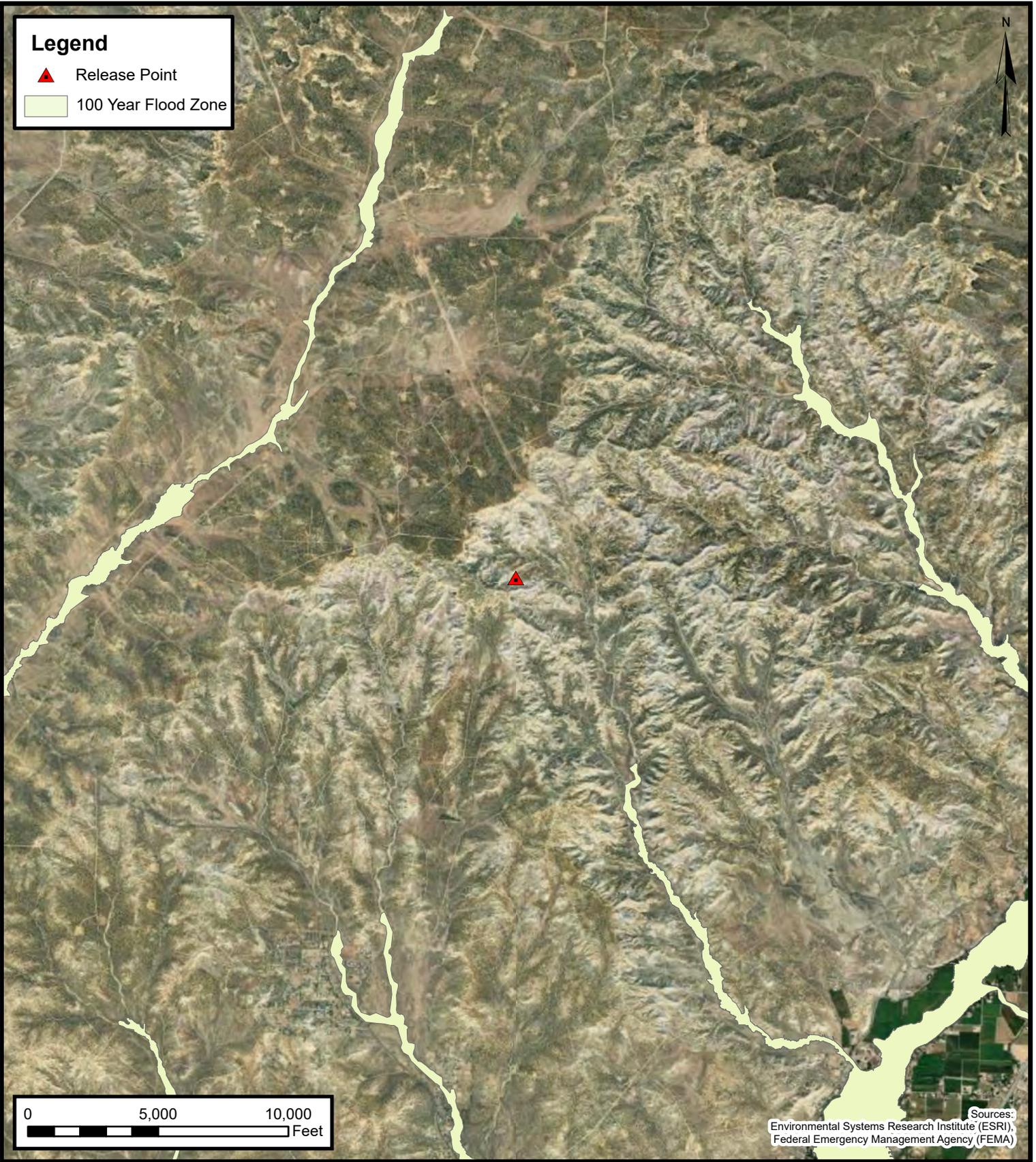


Mines, Mills, and Quarries

Enterprise Field Services, LLC
 Case LS #9 (06/08/23)
 Project Number: 05A1226245
 Unit Letter D, S8 T31N R11W, San Juan County, New Mexico
 36.918942, -108.018772

FIGURE
G

Document Path: C:\Users\Peter.Rodriguez\OneDrive - ENSOLUM, LLC\Desktop\GIS\Map Path Structure6 - Arico\Enterprise Field Services, LLC\05A1226245 - Case LS #9 (06/08/23)\1 - Project\Case LS #9 (06/08/23).anx



ENSOLUM
Environmental, Engineering and
Hydrogeologic Consultants

100-Year Flood Plain Map

Enterprise Field Services, LLC
Case LS #9 (06/08/23)
Project Number: 05A1226245
Unit Letter D, S8 T31N R11W, San Juan County, New Mexico
36.918942, -108.018772

FIGURE

H



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)

(R=POD has been replaced,
 O=orphaned,
 C=the file is closed) (quarters are 1=NW 2=NE 3=SW 4=SE)
 (quarters are smallest to largest) (NAD83 UTM in meters) (In feet)

| POD Number | POD Sub-Code | basin | County | Q 64 | Q 16 | Q 4 | Sec | Tws | Rng | X | Y | Depth Well | Depth Water | Water Column |
|-------------------------------|--------------|-------|--------|------|------|-----|-----|-----|-----|--------|---------|------------|-------------|--------------|
| SJ 03858 POD1 | SJ | SJ | SJ | 3 | 2 | 4 | 18 | 31N | 11W | 230326 | 4087706 | 295 | 85 | 210 |

Average Depth to Water: **85 feet**
 Minimum Depth: **85 feet**
 Maximum Depth: **85 feet**

Record Count: 1

PLSS Search:

Section(s): 8, 4, 5, 6, 7, 9, 16, 17, 18 **Township:** 31N **Range:** 11W

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

30-045-10949 GRENIER # 4

30-045-10952 GRENIER # 14

3665



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

Operator Meridian Oil Inc. Location: Unit D Sec. 07 Twp 31 Rng 11

Name of Well/Wells. or Pipeline Serviced _____

GRENIER #4 AND #14

Elevation _____ Completion Date 3-25-93 Total Depth 436' Land Type F

Casing Strings, Sizes, Types & Depths 3/12 SET 98' OF 8" PVC CASING

NO GAS OR BOULDERS WERE ENCOUNTERED DURING CASING.

If Casing Strings are cemented, show amounts & types used Cemented

WITH 19 SACKS

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

None

Depths & thickness of water zones with description of water: Fresh, Clear,

Salty, Sulphur, Etc. HIT FRESH WATER AT 34'. More water at 120' Fresh

Depths gas encountered: None

Ground bed depth with type & amount of coke breeze used: 436'

6400 lbs Loresco

Depths anodes placed: 0-415, 405, 395, 385, 375, 365, 355, 345, 335, 325, 280, 270, 260, 245, 235

Depths vent pipes placed: Sur Face to 436'

Vent pipe perforations: From 200' to 436'

Remarks: No gas encountered during drilling

RECEIVED

JAN 31 1994

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.

API WATER ANALYSIS REPORT FORM

Laboratory No. 25-930413-1D

| | | | | |
|--|----------------------------|--|-----------|----------------------------------|
| Company MERIDIAN OIL | | Sample No. | | Date Sampled 3-25-93 |
| Field 4067 W | | Legal Description D-7, 31-11 | | State NM |
| Lease or Unit | Well Greenies #4 | Depth 120' | Formation | Water, B/D |
| Type of Water (Produced, Supply, etc.) | | Sampling Point C.O. Ground Bed | | Sampled By D. Ashworth |

DISSOLVED SOLIDS

| CATIONS | mg/l | me/l |
|--------------------|------|------|
| Sodium, Na (calc.) | 1900 | 82 |
| Calcium, Ca | 400 | 20 |
| Magnesium, Mg | 17 | 1.4 |
| Barium, Ba | | |

OTHER PROPERTIES

| | |
|----------------------------------|---------------|
| pH | 1.57 |
| Specific Gravity, 60/60 F. | 1.0031 |
| Resistivity (ohm-meters) @ 71 F. | 1.5 |

Total Dissolved Solids (calc.)

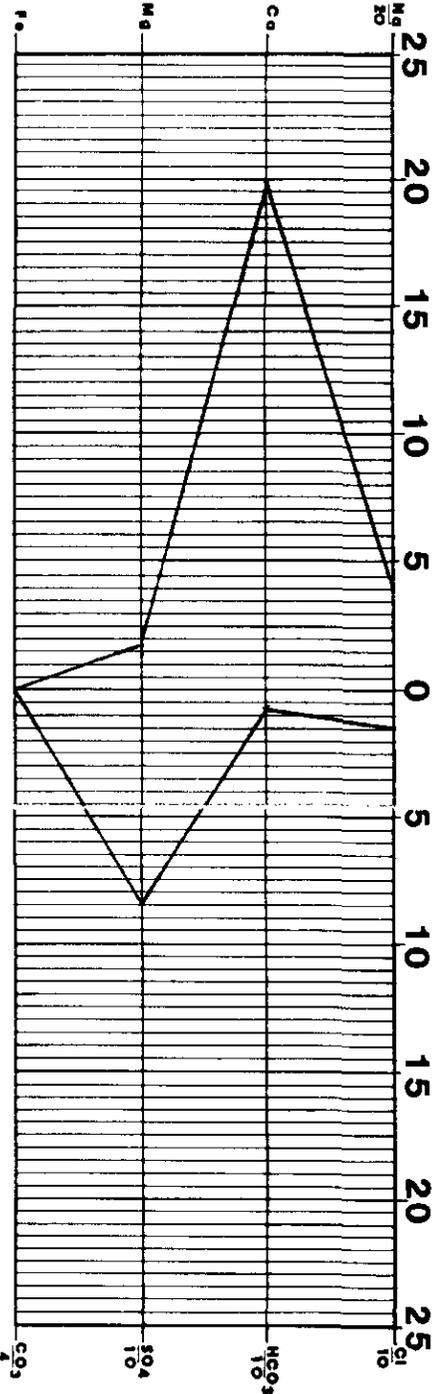
7100

ANIONS

| | | |
|-------------------------------|------|-----|
| Chloride, Cl | 500 | 14 |
| Sulfate, So ₄ | 4000 | 84 |
| Carbonate, CO ₃ | | |
| Bicarbonate, HCO ₃ | 340 | 5.6 |

REMARKS & RECOMMENDATIONS:

ATTN: Bill Dwanine



| | | | |
|--------------------------------------|-----------|---------------------------------------|----------------------------|
| Date Received 17 Feb, 1993 | Preserved | Date Analyzed April 2, 1993 | Analyzed By P.H. |
|--------------------------------------|-----------|---------------------------------------|----------------------------|



TECH, Inc.
 333 East Main
 Farmington
 New Mexico
 87401
 505/327-3311

644

30-045-27247

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

2268W

Operator Meridian Location: Unit K Sec. 7 Twp 31 Rng 11

Name of Well/Wells or Pipeline Served Grenier #101

Elevation _____ Completion Date 10/15/91 Total Depth 400' Land Type F

Casing Strings, Sizes, Types & Depths 100' of 8" PVC WITH
25 SACKS OF CEMENT

If Casing Strings are cemented, show amounts & types used 100' of 8"
PVC WITH 25 SACKS

If Cement or Bentonite Plugs have been placed, show depths & amounts used
NONE

Depths & thickness of water zones with description of water: Fresh, Clear,
Salty, Sulphur, Etc. HIT WATER AT 120', WAS FRESH

Depths gas encountered: NONE

Ground bed depth with type & amount of coke breeze used: Drilled 400', and
used 40 SACKS Lotesco and 34 SACKS Asbury (5700 #)

Depths anodes placed: 380, 370, 360, 280, 270, 260, 250, 190, 180, 170, 140, + 130

Depths vent pipes placed: SURFACE TO 400'

Vent pipe perforations: BOTTOM 280'

Remarks: _____

RECEIVED
FEB 24 1992
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.

CPS GROUND BED CONSTRUCTION WORKSHEET

| | | | | | | |
|-------|------------------------|-------|------|------|----------|--------------|
| CPS# | P/L NAME(s), NUMBER(s) | | | | | |
| 2268W | Grenier #101 | | | | | |
| I774 | TOTAL | VOLTS | AMPS | OHMS | DATE | NAME |
| | | 11.7 | 27.3 | .43 | 10/15/91 | JOHN L. MOSS |

REMARKS (notes for construction log)

Driller HIT WATER AT 120'

Bottom 280' of Vent Pipe is Perforated. Hole Depth 400'

| DEPTH | LOG ANODE | ANODE # | | |
|-------|-----------|---------|-------|-----------|---------|-------|-----------|---------|-------|-----------|---------|-------|--|
| 100 | | | 295 | 2.4 | | 490 | | | 685 | | | | |
| 105 | | | 300 | 2.1 | | 495 | | | 690 | | | | |
| 110 | 1.5 | | 305 | 2.2 | | 500 | | | 695 | | | | |
| 115 | 1.5 | | 310 | 2.1 | | 505 | | | 700 | | | | |
| 120 | 1.4 | | 315 | 2.4 | | 510 | | | ANODE | DEPTH | NO. | FULLY | |
| 125 | 2.5 | | 320 | 1.2 | | 515 | | | * | | COKE | COK'D | |
| 130 | 3.7 | 12 | 325 | 1.2 | | 520 | | | 1 | 380 | 2.6 | 5.7 | |
| 135 | 2.9 | | 330 | 1.3 | | 525 | | | 2 | 370 | 2.9 | 5.9 | |
| 140 | 2.6 | 11 | 335 | 1.0 | | 530 | | | 3 | 360 | 2.7 | 5.0 | |
| 145 | 2.1 | | 340 | 1.2 | | 535 | | | 4 | 280 | 3.0 | 6.2 | |
| 150 | 1.8 | | 345 | 1.9 | | 540 | | | 5 | 270 | 3.2 | 7.0 | |
| 155 | 2.1 | | 350 | 1.4 | | 545 | | | 6 | 260 | 3.6 | 6.8 | |
| 160 | 2.5 | | 355 | 2.4 | | 550 | | | 7 | 250 | 2.7 | 4.8 | |
| 165 | 3.8 | | 360 | 3.0 | 3 | 555 | | | 8 | 190 | 4.1 | 8.1 | |
| 170 | 3.6 | 10 | 365 | 2.9 | | 560 | | | 9 | 180 | 4.2 | 8.5 | |
| 175 | 3.8 | | 370 | 2.8 | 2 | 565 | | | 10 | 170 | 3.9 | 8.2 | |
| 180 | 4.1 | 9 | 375 | 2.5 | | 570 | | | 11 | 140 | 2.8 | 6.4 | |
| 185 | 3.5 | | 380 | 2.6 | 1 | 575 | | | 12 | 130 | 3.1 | 6.1 | |
| 190 | 4.2 | 8 | 385 | 1.8 | | 580 | | | 13 | | | | |
| 195 | 3.3 | | 390 | 1.5 | | 585 | | | 14 | | | | |
| 200 | 2.9 | | 395 | 1.4 | | 590 | | | 15 | | | | |
| 205 | 2.2 | | 400 | | | 595 | | | 16 | | | | |
| 210 | 2.3 | | 405 | | | 600 | | | 17 | | | | |
| 215 | 1.5 | | 410 | | | 605 | | | 18 | | | | |
| 220 | 1.4 | | 415 | | | 610 | | | 19 | | | | |
| 225 | 1.8 | | 420 | | | 615 | | | 20 | | | | |
| 230 | 1.3 | | 425 | | | 620 | | | 21 | | | | |
| 235 | 1.3 | | 430 | | | 625 | | | 22 | | | | |
| 240 | 1.1 | | 435 | | | 630 | | | 23 | | | | |
| 245 | 1.5 | | 440 | | | 635 | | | 24 | | | | |
| 250 | 3.4 | 7 | 445 | | | 640 | | | 25 | | | | |
| 255 | 3.0 | | 450 | | | 645 | | | 26 | | | | |
| 260 | 3.2 | 6 | 455 | | | 650 | | | 27 | | | | |
| 265 | 3.1 | | 460 | | | 655 | | | 28 | | | | |
| 270 | 3.0 | 5 | 465 | | | 660 | | | 29 | | | | |
| 275 | 2.9 | | 470 | | | 665 | | | 30 | | | | |
| 280 | 2.9 | 4 | 475 | | | 670 | | | | | | | |
| 285 | 2.6 | | 480 | | | 675 | | | | | | | |
| 290 | 2.5 | | 485 | | | 680 | | | | | | | |

DISTRIBUTION - original - permanent CPS FILE
 copy - Division Corrosion Supervisor
 copy - Region Corrosion Specialist

API WATER ANALYSIS REPORT FORM

221
 Laboratory No. 25-911108-1B

| | | | | | |
|---|--|---------------------------------------|--|-------------------------------------|--|
| Company MERIDIAN | | Sample No. | | Date Sampled 10-15-91 | |
| Field 2268W | | Legal Description K-7-31-11 | | County or Parish SAN JUAN | |
| Lease or Unit Glenick | | Well # 101 | | Depth 120' | |
| Type of Water (Produced, Supply, etc.) Produced | | Formation WORK TABLE | | Water, B/D | |
| Sampling Point | | Sampied By J. L. MOSS | | | |



TECH, Inc.
 333 East Main
 Farmington
 New Mexico
 87401
 505/327-3311

DISSOLVED SOLIDS

| CATIONS | mg/l | me/l |
|--------------------|-------|------|
| Sodium, Na (calc.) | 2,190 | 95 |
| Calcium, Ca | 591 | 29.5 |
| Magnesium, Mg | 52.2 | 4.5 |
| Barium, Ba | | |

OTHER PROPERTIES

| | |
|-----------------------------------|--------|
| pH | 6.94 |
| Specific Gravity, 60/60 F. | 1.0103 |
| Resistivity (ohm-meters) _____ F. | 0.9 |
| | |
| | |

Total Dissolved Solids (calc.) 8,220

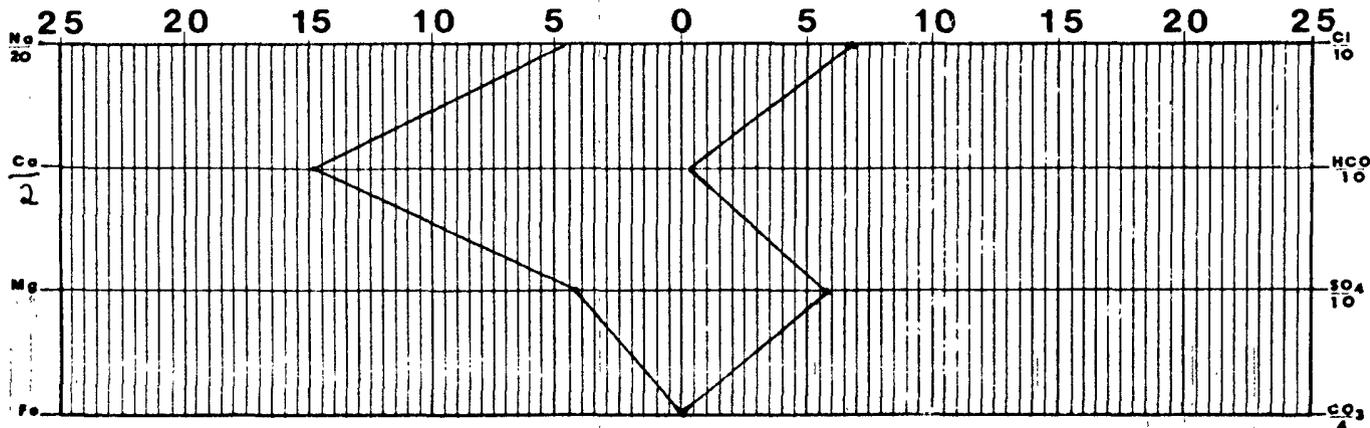
ANIONS

| | | |
|-------------------------------|------|------|
| Chloride, Cl | 2410 | 68 |
| Sulfate, So ₄ | 2730 | 56.8 |
| Carbonate, CO ₃ | - | - |
| Bicarbonate, HCO ₃ | 844 | 4.0 |

Iron, Fe (total) _____
 Sulfide, as H₂S _____

REMARKS & RECOMMENDATIONS:

ATTN = C.W. OONORME



| | | | |
|--|-----------|---|-----------------------------|
| Date Received 8th Nov, 1991. | Preserved | Date Analyzed 23rd Dec, 1991. | Analyzed By R. H. |
|--|-----------|---|-----------------------------|

30-045-10770

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 H Sec. 16 Twp 31 Rng 11

Name of Well/Wells or Pipeline Serviced BROOKHAVEN COM G #9

cps 2029w

Elevation 6125' Completion Date 11/1/88 Total Depth 320' 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. 40' & 75' NO SAMPLE

Depths gas encountered: N/A

Type & amount of coke breeze used: N/A

Depths anodes placed: 255', 245', 230', 210', 195', 175', 165', 155', 140', 115'

Depths vent pipes placed: 314'

Vent pipe perforations: 280'

Remarks: gb #1

RECEIVED
MAY 31 1988
OIL CON.
DIST. 3

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

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

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

WELL CASING
CATHODIC PROTECTION CONSTRUCTION REPORT
DAILY LOG

Comp 11-7-88 JZ

Completion Date 11/1/88

Drilling Log (Attach Hereto)

| | | | | | | | | | | |
|--------------------------|---------------------------|-------------------|----------------------|---|------|------|-----------------------|------|-----------------------|------|
| CPS | Well Name, Line or Plant: | Work Order # | State: | Ins. Union Check | | | | | | |
| 2029 W | BROOKHAVEN COM 6-9 | 50720A | 64V 600' S. | <input checked="" type="checkbox"/> Good <input type="checkbox"/> Bad | | | | | | |
| Location: | Anode Size: | Anode Type: | Size Bit: | | | | | | | |
| H-16-31-11 | 2" x 60" | Durion | 6 3/4" | | | | | | | |
| Depth Drilled | Depth Logged | Drilling Rig Time | Total Lbs. Coke Used | Lost Circulation Mat'l Used | | | | | | |
| 320' | 314' | | | | | | | | | |
| Anode Depth | #1 | #2 | #3 | #4 | #5 | #6 | #7 | #8 | #9 | #10 |
| | 255' | 245' | 230' | 210' | 195' | 175' | 165' | 155' | 140' | 115' |
| Anode Output (Amps) | #1 | #2 | #3 | #4 | #5 | #6 | #7 | #8 | #9 | #10 |
| | 6.4 | 6.6 | 5.5 | 5.1 | 4.9 | 6.0 | 6.2 | 5.5 | 5.7 | 5.0 |
| 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 | | Amps | | Ohms | | No. 8 C.P. Cable Used | | No. 2 C.P. Cable Used | |
| | 11.9 | | 28.6 | | .42 | | | | | |

Remarks: WATER AT 40' & 75' COULD NOT GET WATER SAMPLE. INSTALLED 3 1/4" of 1" PVC VENT PIPE, PERFORATED 280'.

LAYED 1/2" FUEL LINE IN WIRE DITCH.

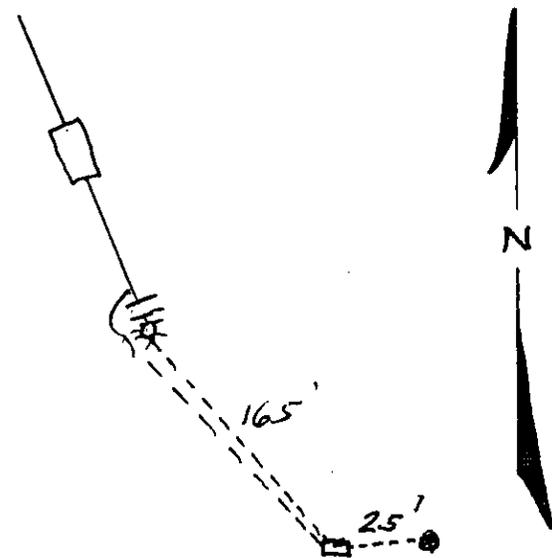
G.B. 4170.00

Req'd Size: _____ V. _____ A 7695.00
 Addn'l Depth: _____ @ _____
 Depth Credit: -186.25 -651.00 ✓
 Extra Cable: 195' .25 48.75 ✓
 Ditch & 1 Cable: 190' .75 142.50 ✓
 Batch & 2 Cable: _____
 25' Meter Pole: @ _____
 20' Meter Pole: @ _____
 10' Stub Pole: @ _____
 Junction Box: _____ 249.00

11654.25 ✓
 TAX 582.71 ✓
 TOTAL \$ 12236.96 OK JZ

All Construction Completed

JC Statts
 (Signature)



6635

D. CIASS DRILLING CO.

Drill No. 3

DRILLER'S WELL LOG

S. P. No. Brookhaven^{Comp} 9 Date 11-1-88
Client Meridian Oil Co. Prospect _____
County SAN JUAN State New Mex.

If hole is a re-drill or if moved from original staked position show distance and direction moved: _____

| FROM | TO | FORMATION — COLOR — HARDNESS |
|---------|-----|------------------------------|
| 0 | 15 | SANDstone |
| 15 | 20 | SAND |
| 20 | 35 | SANDstone |
| 35 | 40 | SAND |
| 40 | 60 | SANDstone |
| 60 | 80 | SAND |
| 80 | 100 | SANDstone |
| 100 | 170 | SHALE |
| 170 | 185 | SANDstone |
| 185 | 210 | SHALE |
| 210 | 235 | SANDY SHALE |
| 235 | 280 | SHALE |
| 280-320 | | SANDY SHALE |

Mud _____ Bron _____ Lime _____

Rock Bit Number _____ Make _____

Remarks: Water @ 75' 40' & 75'

Driller Rennie Brown

3617

30-045-23575

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

Operator Meridian Oil Co. Location: Unit 0 Sec. 16 Twp 31 Rng 11

Name of Well/Wells. or Pipeline Serviced _____

BROOKHAVEN Com B#3A

Elevation 5983 Completion Date 4-28-93 Total Depth 367' Land Type S

Casing Strings, Sizes, Types & Depths 12/10 Set 101' of 8" PVC casing.

NO GAS, WATER, OR BOULDERS WERE ENCOUNTERED DURING CASING.

If Casing Strings are cemented, show amounts & types used Cemented

WITH 25 SACKS.

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

None

Depths & thickness of water zones with description of water: Fresh, Clear,

Salty, Sulphur, Etc. 150' Fresh

Depths gas encountered: None

Ground bed depth with type & amount of coke breeze used: 367'

100 SACKS ASbury

Depths anodes placed: 340, 330, 320, 310, 300, 290, 280, 265, 230, 220, 210, 200, 190, 180, 170

Depths vent pipes placed: 367'

Vent pipe perforations: Bottom 230'

Remarks: _____

RECEIVED

JAN 31 1994

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.



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.

97057-1125

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

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

2. **Originating Site:**
Case LS#9
AFE: Pending
PM: Gary Turner
Pay Key: RB21200

2. **Location of Material (Street Address, City, State or ULSTR):**
UL D Section 8 T31N R11W; 36.918942, -108.018772. June 2023

4. **Source and Description of Waste:**
Source: Hydrocarbon contaminated soil associated with remediation activities from a natural gas pipeline release.
Description: Hydrocarbon contaminated soil associated with remediation activities from a natural gas pipeline release.
Estimated Volume 50 yd³ / bbls Known Volume (to be entered by the operator at the end of the haul) 1072/65 yd³ / 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} 6-5-2023, representative for Enterprise Products Operating authorize 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 #: NM01-0011

Address of Facility: Hill Top, 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: 6/5/23

SIGNATURE: [Signature] TELEPHONE NO.: 505-632-0615
Surface Waste Management Facility Authorized Agent



APPENDIX D

Photographic Documentation

SITE PHOTOGRAPHS

Closure Report
Enterprise Field Services, LLC
Case LS #9 (06/08/23)
Ensolum Project No. 05A1226245



Photograph 1

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



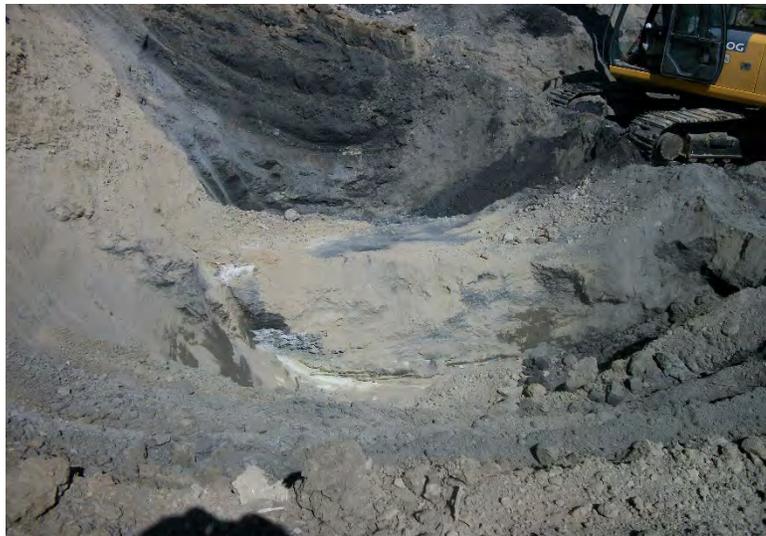
Photograph 2

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
Case LS #9 (06/08/23)
Ensolum Project No. 05A1226245



Photograph 4

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



Photograph 5

Photograph Description: View of the final excavation.



Photograph 6

Photograph Description: View of the final excavation.



SITE PHOTOGRAPHS

Closure Report
Enterprise Field Services, LLC
Case LS #9 (06/08/23)
Ensolum Project No. 05A1226245



Photograph 7

Photograph Description: View of the site after initial restoration.



Photograph 8

Photograph Description: View of the site after initial restoration.





APPENDIX E

Regulatory Correspondence

From: [Kyle Summers](#)
To: [Chad D"Aponti](#); [Ranee Deechilly](#)
Subject: FW: [EXTERNAL] Case LS #9 - UL D Section 8 T31N R11W; 36.918942, -108.018772 - NMOCD Incident #nAPP2315932501
Date: Monday, June 19, 2023 6:49:23 AM
Attachments: [image002.png](#)
[image004.png](#)
[image005.png](#)
[image006.png](#)



Kyle Summers

Principal
903-821-5603
[Ensolum, LLC](#)
[in](#) [f](#) [t](#)

From: Adeloey, Abiodun A <aadeloey@blm.gov>
Sent: Friday, June 16, 2023 9:55 AM
To: Long, Thomas <tjlong@eprod.com>; Tafoya, Jeffrey J <JTafoya@blm.gov>; Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>
Cc: Stone, Brian <bmstone@eprod.com>; Kyle Summers <ksummers@ensolum.com>
Subject: RE: [EXTERNAL] Case LS #9 - UL D Section 8 T31N R11W; 36.918942, -108.018772 - NMOCD Incident #nAPP2315932501

[**EXTERNAL EMAIL**]

Hi, Thomas, BLM accept the requested variance.
Thank you.

Abiodun Adeloey (Emmanuel)
Natural Resources Specialist (NRS)
6251 College Blvd., Suite A
Farmington, NM 87402
Office: 505-564-7665
Mobile: 505-635-0984

From: Long, Thomas <tjlong@eprod.com>
Sent: Friday, June 16, 2023 9:17 AM
To: Tafoya, Jeffrey J <JTafoya@blm.gov>; Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>; Adeloey, Abiodun A <aadeloey@blm.gov>
Cc: Stone, Brian <bmstone@eprod.com>; Kyle Summers <ksummers@ensolum.com>
Subject: RE: [EXTERNAL] Case LS #9 - UL D Section 8 T31N R11W; 36.918942, -108.018772 - NMOCD Incident #nAPP2315932501

Nelson/Emmanuel,

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 at 12:00 p.m. at Case LS #9 excavation. Two of the samples previously collected exceeded NMOCD remediation standards. Please acknowledge acceptance of this variance request. If you have any questions, please call or email.

Thank you,

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: Tafoya, Jeffrey J <JTafoya@blm.gov>
Sent: Friday, June 9, 2023 10:10 AM
To: Velez, Nelson, EMNRD <Nelson.Velez@emnrn.nm.gov>; Long, Thomas <tjlong@eprod.com>;
Adeloye, Abiodun A <aadeloye@blm.gov>
Cc: Stone, Brian <bmstone@eprod.com>; Kyle Summers <ksummers@ensolum.com>
Subject: Re: [EXTERNAL] Case LS #9 - UL D Section 8 T31N R11W; 36.918942, -108.018772 - NMOCD Incident #nAPP2315932501

[Use caution with links/attachments]

Thank you Tom,

I'm including Aboidun (Emmanuel) Adeloye in this notice and he will get back you. Thanks, Jeff

From: Velez, Nelson, EMNRD <Nelson.Velez@emnrn.nm.gov>
Sent: Friday, June 9, 2023 9:14 AM
To: Long, Thomas <tjlong@eprod.com>; Tafoya, Jeffrey J <JTafoya@blm.gov>
Cc: Stone, Brian <bmstone@eprod.com>; Kyle Summers <ksummers@ensolum.com>
Subject: Re: [EXTERNAL] Case LS #9 - UL D Section 8 T31N R11W; 36.918942, -108.018772 - NMOCD Incident #nAPP2315932501

Tom,

Thank you for the notice. If an OCD representative is not on-site on the date &/or time given, please sample per 19.15.29 NMAC. 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.

The OCD requires a copy of all correspondence relative to remedial activities be included in all proposals and/or final closure reports. Correspondence required to be included in reports may include, but not limited to, notifications for liner inspections, sample events, spill/release/fire, and request for time extensions or variances.

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.state.nm.us/OCD/>



From: Long, Thomas <tjlong@eprod.com>

Sent: Friday, June 9, 2023 9:11 AM

To: Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>; Jeffrey Tafoya <jtafoya@blm.gov>

Cc: Stone, Brian <bmstone@eprod.com>; Kyle Summers <ksummers@ensolum.com>

Subject: [EXTERNAL] Case LS #9 - UL D Section 8 T31N R11W; 36.918942, -108.018772 - NMOCD Incident #nAPP2315932501

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

Nelson/Jeff,

This email is a notification that Enterprise will be collecting soil samples for laboratory analysis at the Case LS#9 excavation on Monday June 12, 2023 at 10:00 a.m. 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



This message (including any attachments) is confidential and intended for a specific individual and purpose. If you are not the intended recipient, please notify the sender immediately and delete this message.



APPENDIX F

Table 1 – Soil Analytical Summary



TABLE 1
Case LS #9 (06/08/23)
SOIL ANALYTICAL SUMMARY

| Sample I.D. | Date | Sample Type C- Composite G - Grab | Sample Depth (feet) | Benzene (mg/kg) | Toluene (mg/kg) | Ethylbenzene (mg/kg) | Xylenes (mg/kg) | Total BTEX ¹ (mg/kg) | TPH GRO (mg/kg) | TPH DRO (mg/kg) | TPH MRO (mg/kg) | Total Combined TPH (GRO/DRO/MRO) ¹ (mg/kg) | Chloride (mg/kg) |
|--|----------|---|------------------------|--------------------|--------------------|-------------------------|--------------------|------------------------------------|-----------------------|-----------------------|-----------------------|--|---------------------|
| New Mexico Energy, Mineral & Natural Resources Department Oil Conservation Division Closure Criteria (Tier I) | | | | 10 | NE | NE | NE | 50 | NE | NE | NE | 100 | 600 |
| Composite Soil Samples Removed by Excavation and Transported to the Landfarm for Disposal/Remediation | | | | | | | | | | | | | |
| S-3 | 06.12.23 | C | 11.5 | 0.59 | 5.7 | 0.97 | 13 | 20 | 100 | 13 | <45 | 110 | 70 |
| S-4 | 06.12.23 | C | 11.5 | 0.16 | 1.8 | 0.56 | 6.8 | 9.3 | 120 | 12 | <44 | 130 | 82 |
| S-5 | 06.12.23 | C | 7 | 0.63 | 5.3 | 1.2 | 13 | 20 | 150 | <8.5 | <42 | 150 | 76 |
| S-7 | 06.12.23 | C | 0 to 7 | <0.48 | 10 | 4.8 | 71 | 86 | 800 | 1,500 | 2,800 | 5,100 | 70 |
| S-8 | 06.12.23 | C | 0 to 7 | <0.49 | 8.0 | 3.9 | 57 | 69 | 600 | 1,100 | 2,100 | 3,800 | 67 |
| Excavation Composite Soil Samples | | | | | | | | | | | | | |
| S-1 | 06.12.23 | C | 17 | 0.057 | 0.59 | 0.13 | 1.7 | 2.5 | 19 | <9.9 | <50 | 19 | 65 |
| S-2 | 06.12.23 | C | 17 | 0.21 | 2.2 | 0.53 | 6.7 | 9.6 | 91 | <8.4 | <42 | 91 | 81 |
| S-3a | 06.16.23 | C | 12 | <0.094 | <0.19 | <0.19 | <0.38 | ND | <19 | 14 | <47 | 14 | <60 |
| S-4a | 06.16.23 | C | 12 | <0.019 | <0.038 | <0.038 | <0.077 | ND | <3.8 | 10 | <49 | 10 | <60 |
| S-5a | 06.16.23 | C | 7.5 | <0.018 | <0.036 | <0.036 | <0.071 | ND | <3.6 | <10 | <50 | ND | <60 |
| S-6 | 06.12.23 | C | 7 | 0.076 | 0.30 | 0.056 | 0.55 | 0.98 | 8.9 | <8.8 | <44 | 8.9 | 77 |
| S-7a | 06.16.23 | C | 0 to 7 | <0.098 | <0.20 | <0.20 | <0.39 | ND | <20 | 11 | <49 | 11 | <60 |
| S-8a | 06.16.23 | C | 0 to 7 | <0.022 | <0.043 | <0.043 | <0.087 | ND | <4.3 | <9.4 | <47 | ND | <60 |
| S-9 | 06.12.23 | C | 0 to 7 | <0.024 | <0.047 | <0.047 | 0.25 | 0.25 | <4.7 | <9.1 | <46 | ND | 77 |
| S-10 | 06.12.23 | C | 0 to 11.5 | <0.024 | <0.048 | <0.048 | 0.32 | 0.32 | <4.8 | <9.9 | <49 | ND | 78 |
| S-11 | 06.12.23 | C | 0 to 17 | <0.024 | <0.048 | <0.048 | <0.096 | ND | <4.8 | <9.1 | <45 | ND | 61 |
| S-12 | 06.12.23 | C | 0 to 17 | <0.025 | 0.069 | <0.049 | 0.15 | 0.22 | <4.9 | <9.8 | <49 | ND | 86 |
| S-13 | 06.12.23 | C | 0 to 17 | <0.024 | <0.048 | <0.048 | 0.10 | 0.10 | <4.8 | <9.5 | <47 | ND | 130 |
| S-14 | 06.12.23 | C | 0 to 17 | <0.025 | <0.049 | <0.049 | <0.099 | ND | <4.9 | <9.9 | <50 | ND | 79 |
| S-15 | 06.12.23 | C | 0 to 17 | <0.024 | <0.048 | <0.048 | <0.097 | ND | <4.8 | <8.9 | <44 | ND | 140 |
| S-16 | 06.12.23 | C | 0 to 11.5 | <0.024 | <0.048 | <0.048 | <0.097 | ND | <4.8 | <9.6 | <48 | ND | 160 |
| S-17 | 06.12.23 | C | 0 to 7 | <0.024 | <0.048 | <0.048 | 0.10 | 0.10 | <4.8 | <8.7 | <44 | ND | 160 |

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)

NA = Not Analyzed

NE = Not established

mg/kg = milligrams per kilogram

BTEX = Benzene, Toluene, Ethylbenzene, and Xylenes

TPH = Total Petroleum Hydrocarbons

GRO = Gasoline Range Organics

DRO = Diesel Range Organics

MRO = Motor Oil/Lube Oil Range Organics



APPENDIX G

Laboratory Data Sheets & Chain of Custody Documentation



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

June 23, 2023

Kyle Summers

ENSOLUM

606 S. Rio Grande Suite A

Aztec, NM 87410

TEL: (903) 821-5603

FAX:

RE: Case LS 9m

OrderNo.: 2306614

Dear Kyle Summers:

Hall Environmental Analysis Laboratory received 17 sample(s) on 6/13/2023 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

A handwritten signature in black ink, appearing to read 'Andy Freeman', is written over a white background.

Andy Freeman

Laboratory Manager

4901 Hawkins NE

Albuquerque, NM 87109

Analytical Report

Lab Order **2306614**

Date Reported: **6/23/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-1

Project: Case LS 9m

Collection Date: 6/12/2023 10:00:00 AM

Lab ID: 2306614-001

Matrix: SOIL

Received Date: 6/13/2023 6:15:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|----------|------|-------|----|-----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: SNS |
| Chloride | 65 | 60 | | mg/Kg | 20 | 6/14/2023 8:17:29 PM | 75594 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: PRD |
| Diesel Range Organics (DRO) | ND | 9.9 | | mg/Kg | 1 | 6/14/2023 10:25:55 AM | 75565 |
| Motor Oil Range Organics (MRO) | ND | 50 | | mg/Kg | 1 | 6/14/2023 10:25:55 AM | 75565 |
| Surr: DNOP | 84.3 | 69-147 | | %Rec | 1 | 6/14/2023 10:25:55 AM | 75565 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: JJP |
| Gasoline Range Organics (GRO) | 19 | 4.7 | | mg/Kg | 1 | 6/15/2023 2:45:47 PM | 75558 |
| Surr: BFB | 152 | 15-244 | | %Rec | 1 | 6/15/2023 2:45:47 PM | 75558 |
| EPA METHOD 8021B: VOLATILES | | | | | | | Analyst: JJP |
| Benzene | 0.057 | 0.024 | | mg/Kg | 1 | 6/15/2023 2:45:47 PM | 75558 |
| Toluene | 0.59 | 0.047 | | mg/Kg | 1 | 6/15/2023 2:45:47 PM | 75558 |
| Ethylbenzene | 0.13 | 0.047 | | mg/Kg | 1 | 6/15/2023 2:45:47 PM | 75558 |
| Xylenes, Total | 1.7 | 0.095 | | mg/Kg | 1 | 6/15/2023 2:45:47 PM | 75558 |
| Surr: 4-Bromofluorobenzene | 94.5 | 39.1-146 | | %Rec | 1 | 6/15/2023 2:45:47 PM | 75558 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

Analytical Report

Lab Order **2306614**

Date Reported: **6/23/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-2

Project: Case LS 9m

Collection Date: 6/12/2023 10:05:00 AM

Lab ID: 2306614-002

Matrix: SOIL

Received Date: 6/13/2023 6:15:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|----------|------|-------|----|-----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: SNS |
| Chloride | 81 | 60 | | mg/Kg | 20 | 6/14/2023 8:29:48 PM | 75594 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: PRD |
| Diesel Range Organics (DRO) | ND | 8.4 | | mg/Kg | 1 | 6/14/2023 10:36:27 AM | 75565 |
| Motor Oil Range Organics (MRO) | ND | 42 | | mg/Kg | 1 | 6/14/2023 10:36:27 AM | 75565 |
| Surr: DNOP | 86.1 | 69-147 | | %Rec | 1 | 6/14/2023 10:36:27 AM | 75565 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: JJP |
| Gasoline Range Organics (GRO) | 91 | 4.9 | | mg/Kg | 1 | 6/15/2023 3:33:23 PM | 75558 |
| Surr: BFB | 453 | 15-244 | S | %Rec | 1 | 6/15/2023 3:33:23 PM | 75558 |
| EPA METHOD 8021B: VOLATILES | | | | | | | Analyst: JJP |
| Benzene | 0.21 | 0.025 | | mg/Kg | 1 | 6/15/2023 3:33:23 PM | 75558 |
| Toluene | 2.2 | 0.049 | | mg/Kg | 1 | 6/15/2023 3:33:23 PM | 75558 |
| Ethylbenzene | 0.53 | 0.049 | | mg/Kg | 1 | 6/15/2023 3:33:23 PM | 75558 |
| Xylenes, Total | 6.7 | 0.098 | | mg/Kg | 1 | 6/15/2023 3:33:23 PM | 75558 |
| Surr: 4-Bromofluorobenzene | 110 | 39.1-146 | | %Rec | 1 | 6/15/2023 3:33:23 PM | 75558 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

Analytical Report

Lab Order **2306614**

Date Reported: **6/23/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-3

Project: Case LS 9m

Collection Date: 6/12/2023 10:10:00 AM

Lab ID: 2306614-003

Matrix: SOIL

Received Date: 6/13/2023 6:15:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|----------|------|-------|----|-----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: SNS |
| Chloride | 70 | 60 | | mg/Kg | 20 | 6/14/2023 8:42:10 PM | 75594 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: PRD |
| Diesel Range Organics (DRO) | 13 | 9.1 | | mg/Kg | 1 | 6/14/2023 10:47:03 AM | 75565 |
| Motor Oil Range Organics (MRO) | ND | 45 | | mg/Kg | 1 | 6/14/2023 10:47:03 AM | 75565 |
| Surr: DNOP | 87.0 | 69-147 | | %Rec | 1 | 6/14/2023 10:47:03 AM | 75565 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: JJP |
| Gasoline Range Organics (GRO) | 100 | 4.8 | | mg/Kg | 1 | 6/15/2023 4:44:58 PM | 75558 |
| Surr: BFB | 377 | 15-244 | S | %Rec | 1 | 6/15/2023 4:44:58 PM | 75558 |
| EPA METHOD 8021B: VOLATILES | | | | | | | Analyst: JJP |
| Benzene | 0.59 | 0.024 | | mg/Kg | 1 | 6/15/2023 4:44:58 PM | 75558 |
| Toluene | 5.7 | 0.096 | | mg/Kg | 2 | 6/16/2023 3:46:28 AM | 75558 |
| Ethylbenzene | 0.97 | 0.048 | | mg/Kg | 1 | 6/15/2023 4:44:58 PM | 75558 |
| Xylenes, Total | 13 | 0.19 | | mg/Kg | 2 | 6/16/2023 3:46:28 AM | 75558 |
| Surr: 4-Bromofluorobenzene | 113 | 39.1-146 | | %Rec | 1 | 6/15/2023 4:44:58 PM | 75558 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

Analytical Report

Lab Order **2306614**

Date Reported: **6/23/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-4

Project: Case LS 9m

Collection Date: 6/12/2023 10:15:00 AM

Lab ID: 2306614-004

Matrix: SOIL

Received Date: 6/13/2023 6:15:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|----------|------|-------|----|-----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: SNS |
| Chloride | 82 | 60 | | mg/Kg | 20 | 6/14/2023 8:54:30 PM | 75594 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: PRD |
| Diesel Range Organics (DRO) | 12 | 8.7 | | mg/Kg | 1 | 6/14/2023 10:57:39 AM | 75565 |
| Motor Oil Range Organics (MRO) | ND | 44 | | mg/Kg | 1 | 6/14/2023 10:57:39 AM | 75565 |
| Surr: DNOP | 84.7 | 69-147 | | %Rec | 1 | 6/14/2023 10:57:39 AM | 75565 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: JJP |
| Gasoline Range Organics (GRO) | 120 | 4.8 | | mg/Kg | 1 | 6/15/2023 5:08:50 PM | 75558 |
| Surr: BFB | 670 | 15-244 | S | %Rec | 1 | 6/15/2023 5:08:50 PM | 75558 |
| EPA METHOD 8021B: VOLATILES | | | | | | | Analyst: JJP |
| Benzene | 0.16 | 0.024 | | mg/Kg | 1 | 6/15/2023 5:08:50 PM | 75558 |
| Toluene | 1.8 | 0.048 | | mg/Kg | 1 | 6/15/2023 5:08:50 PM | 75558 |
| Ethylbenzene | 0.56 | 0.048 | | mg/Kg | 1 | 6/15/2023 5:08:50 PM | 75558 |
| Xylenes, Total | 6.8 | 0.097 | | mg/Kg | 1 | 6/15/2023 5:08:50 PM | 75558 |
| Surr: 4-Bromofluorobenzene | 116 | 39.1-146 | | %Rec | 1 | 6/15/2023 5:08:50 PM | 75558 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

Analytical Report

Lab Order **2306614**

Date Reported: **6/23/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-5

Project: Case LS 9m

Collection Date: 6/12/2023 10:20:00 AM

Lab ID: 2306614-005

Matrix: SOIL

Received Date: 6/13/2023 6:15:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|----------|------|-------|----|-----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: SNS |
| Chloride | 76 | 60 | | mg/Kg | 20 | 6/14/2023 9:06:50 PM | 75594 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: PRD |
| Diesel Range Organics (DRO) | ND | 8.5 | | mg/Kg | 1 | 6/14/2023 11:08:15 AM | 75565 |
| Motor Oil Range Organics (MRO) | ND | 42 | | mg/Kg | 1 | 6/14/2023 11:08:15 AM | 75565 |
| Surr: DNOP | 88.9 | 69-147 | | %Rec | 1 | 6/14/2023 11:08:15 AM | 75565 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: JJP |
| Gasoline Range Organics (GRO) | 150 | 4.9 | | mg/Kg | 1 | 6/15/2023 5:32:46 PM | 75558 |
| Surr: BFB | 558 | 15-244 | S | %Rec | 1 | 6/15/2023 5:32:46 PM | 75558 |
| EPA METHOD 8021B: VOLATILES | | | | | | | Analyst: JJP |
| Benzene | 0.63 | 0.025 | | mg/Kg | 1 | 6/15/2023 5:32:46 PM | 75558 |
| Toluene | 5.3 | 0.098 | | mg/Kg | 2 | 6/20/2023 6:31:17 AM | 75558 |
| Ethylbenzene | 1.2 | 0.049 | | mg/Kg | 1 | 6/15/2023 5:32:46 PM | 75558 |
| Xylenes, Total | 13 | 0.20 | | mg/Kg | 2 | 6/20/2023 6:31:17 AM | 75558 |
| Surr: 4-Bromofluorobenzene | 119 | 39.1-146 | | %Rec | 1 | 6/15/2023 5:32:46 PM | 75558 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

Analytical Report

Lab Order **2306614**

Date Reported: **6/23/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-6

Project: Case LS 9m

Collection Date: 6/12/2023 10:25:00 AM

Lab ID: 2306614-006

Matrix: SOIL

Received Date: 6/13/2023 6:15:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|----------|------|-------|----|-----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: SNS |
| Chloride | 77 | 60 | | mg/Kg | 20 | 6/14/2023 9:43:53 PM | 75594 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: PRD |
| Diesel Range Organics (DRO) | ND | 8.8 | | mg/Kg | 1 | 6/14/2023 11:18:53 AM | 75565 |
| Motor Oil Range Organics (MRO) | ND | 44 | | mg/Kg | 1 | 6/14/2023 11:18:53 AM | 75565 |
| Surr: DNOP | 95.6 | 69-147 | | %Rec | 1 | 6/14/2023 11:18:53 AM | 75565 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: JJP |
| Gasoline Range Organics (GRO) | 8.9 | 4.8 | | mg/Kg | 1 | 6/15/2023 5:56:39 PM | 75558 |
| Surr: BFB | 129 | 15-244 | | %Rec | 1 | 6/15/2023 5:56:39 PM | 75558 |
| EPA METHOD 8021B: VOLATILES | | | | | | | Analyst: JJP |
| Benzene | 0.076 | 0.024 | | mg/Kg | 1 | 6/15/2023 5:56:39 PM | 75558 |
| Toluene | 0.30 | 0.048 | | mg/Kg | 1 | 6/15/2023 5:56:39 PM | 75558 |
| Ethylbenzene | 0.056 | 0.048 | | mg/Kg | 1 | 6/15/2023 5:56:39 PM | 75558 |
| Xylenes, Total | 0.55 | 0.096 | | mg/Kg | 1 | 6/15/2023 5:56:39 PM | 75558 |
| Surr: 4-Bromofluorobenzene | 93.4 | 39.1-146 | | %Rec | 1 | 6/15/2023 5:56:39 PM | 75558 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

Analytical Report

Lab Order **2306614**

Date Reported: **6/23/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-7

Project: Case LS 9m

Collection Date: 6/12/2023 10:30:00 AM

Lab ID: 2306614-007

Matrix: SOIL

Received Date: 6/13/2023 6:15:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|----------|------|-------|----|-----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: SNS |
| Chloride | 70 | 60 | | mg/Kg | 20 | 6/14/2023 9:56:15 PM | 75594 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: PRD |
| Diesel Range Organics (DRO) | 1500 | 96 | | mg/Kg | 10 | 6/15/2023 12:48:26 AM | 75565 |
| Motor Oil Range Organics (MRO) | 2800 | 480 | | mg/Kg | 10 | 6/15/2023 12:48:26 AM | 75565 |
| Surr: DNOP | 0 | 69-147 | S | %Rec | 10 | 6/15/2023 12:48:26 AM | 75565 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: JJP |
| Gasoline Range Organics (GRO) | 800 | 96 | | mg/Kg | 20 | 6/15/2023 3:57:16 PM | 75558 |
| Surr: BFB | 294 | 15-244 | S | %Rec | 20 | 6/15/2023 3:57:16 PM | 75558 |
| EPA METHOD 8021B: VOLATILES | | | | | | | Analyst: JJP |
| Benzene | ND | 0.48 | | mg/Kg | 20 | 6/15/2023 3:57:16 PM | 75558 |
| Toluene | 10 | 0.96 | | mg/Kg | 20 | 6/15/2023 3:57:16 PM | 75558 |
| Ethylbenzene | 4.8 | 0.96 | | mg/Kg | 20 | 6/15/2023 3:57:16 PM | 75558 |
| Xylenes, Total | 71 | 1.9 | | mg/Kg | 20 | 6/15/2023 3:57:16 PM | 75558 |
| Surr: 4-Bromofluorobenzene | 102 | 39.1-146 | | %Rec | 20 | 6/15/2023 3:57:16 PM | 75558 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

Analytical Report

Lab Order **2306614**

Date Reported: **6/23/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-8

Project: Case LS 9m

Collection Date: 6/12/2023 10:35:00 AM

Lab ID: 2306614-008

Matrix: SOIL

Received Date: 6/13/2023 6:15:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|----------|------|-------|----|-----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: SNS |
| Chloride | 67 | 60 | | mg/Kg | 20 | 6/14/2023 10:08:36 PM | 75594 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: PRD |
| Diesel Range Organics (DRO) | 1100 | 89 | | mg/Kg | 10 | 6/15/2023 1:30:31 AM | 75565 |
| Motor Oil Range Organics (MRO) | 2100 | 440 | | mg/Kg | 10 | 6/15/2023 1:30:31 AM | 75565 |
| Surr: DNOP | 0 | 69-147 | S | %Rec | 10 | 6/15/2023 1:30:31 AM | 75565 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: JJP |
| Gasoline Range Organics (GRO) | 600 | 98 | | mg/Kg | 20 | 6/15/2023 4:21:05 PM | 75558 |
| Surr: BFB | 239 | 15-244 | | %Rec | 20 | 6/15/2023 4:21:05 PM | 75558 |
| EPA METHOD 8021B: VOLATILES | | | | | | | Analyst: JJP |
| Benzene | ND | 0.49 | | mg/Kg | 20 | 6/15/2023 4:21:05 PM | 75558 |
| Toluene | 8.0 | 0.98 | | mg/Kg | 20 | 6/15/2023 4:21:05 PM | 75558 |
| Ethylbenzene | 3.9 | 0.98 | | mg/Kg | 20 | 6/15/2023 4:21:05 PM | 75558 |
| Xylenes, Total | 57 | 2.0 | | mg/Kg | 20 | 6/15/2023 4:21:05 PM | 75558 |
| Surr: 4-Bromofluorobenzene | 98.6 | 39.1-146 | | %Rec | 20 | 6/15/2023 4:21:05 PM | 75558 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

Analytical Report

Lab Order **2306614**

Date Reported: **6/23/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-9

Project: Case LS 9m

Collection Date: 6/12/2023 10:40:00 AM

Lab ID: 2306614-009

Matrix: SOIL

Received Date: 6/13/2023 6:15:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|----------|------|-------|----|-----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: SNS |
| Chloride | 77 | 61 | | mg/Kg | 20 | 6/14/2023 10:20:56 PM | 75594 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: PRD |
| Diesel Range Organics (DRO) | ND | 9.1 | | mg/Kg | 1 | 6/14/2023 1:27:47 PM | 75565 |
| Motor Oil Range Organics (MRO) | ND | 46 | | mg/Kg | 1 | 6/14/2023 1:27:47 PM | 75565 |
| Surr: DNOP | 149 | 69-147 | S | %Rec | 1 | 6/14/2023 1:27:47 PM | 75565 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: JJP |
| Gasoline Range Organics (GRO) | ND | 4.7 | | mg/Kg | 1 | 6/15/2023 6:20:38 PM | 75558 |
| Surr: BFB | 117 | 15-244 | | %Rec | 1 | 6/15/2023 6:20:38 PM | 75558 |
| EPA METHOD 8021B: VOLATILES | | | | | | | Analyst: JJP |
| Benzene | ND | 0.024 | | mg/Kg | 1 | 6/15/2023 6:20:38 PM | 75558 |
| Toluene | ND | 0.047 | | mg/Kg | 1 | 6/15/2023 6:20:38 PM | 75558 |
| Ethylbenzene | ND | 0.047 | | mg/Kg | 1 | 6/15/2023 6:20:38 PM | 75558 |
| Xylenes, Total | 0.25 | 0.095 | | mg/Kg | 1 | 6/15/2023 6:20:38 PM | 75558 |
| Surr: 4-Bromofluorobenzene | 93.9 | 39.1-146 | | %Rec | 1 | 6/15/2023 6:20:38 PM | 75558 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

Analytical Report

Lab Order **2306614**

Date Reported: **6/23/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-10

Project: Case LS 9m

Collection Date: 6/12/2023 10:45:00 AM

Lab ID: 2306614-010

Matrix: SOIL

Received Date: 6/13/2023 6:15:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|----------|------|-------|----|-----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: SNS |
| Chloride | 78 | 61 | | mg/Kg | 20 | 6/14/2023 10:33:18 PM | 75594 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: PRD |
| Diesel Range Organics (DRO) | ND | 9.9 | | mg/Kg | 1 | 6/14/2023 1:49:08 PM | 75565 |
| Motor Oil Range Organics (MRO) | ND | 49 | | mg/Kg | 1 | 6/14/2023 1:49:08 PM | 75565 |
| Surr: DNOP | 117 | 69-147 | | %Rec | 1 | 6/14/2023 1:49:08 PM | 75565 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: JJP |
| Gasoline Range Organics (GRO) | ND | 4.8 | | mg/Kg | 1 | 6/15/2023 6:44:34 PM | 75558 |
| Surr: BFB | 116 | 15-244 | | %Rec | 1 | 6/15/2023 6:44:34 PM | 75558 |
| EPA METHOD 8021B: VOLATILES | | | | | | | Analyst: JJP |
| Benzene | ND | 0.024 | | mg/Kg | 1 | 6/15/2023 6:44:34 PM | 75558 |
| Toluene | ND | 0.048 | | mg/Kg | 1 | 6/15/2023 6:44:34 PM | 75558 |
| Ethylbenzene | ND | 0.048 | | mg/Kg | 1 | 6/15/2023 6:44:34 PM | 75558 |
| Xylenes, Total | 0.32 | 0.096 | | mg/Kg | 1 | 6/15/2023 6:44:34 PM | 75558 |
| Surr: 4-Bromofluorobenzene | 91.3 | 39.1-146 | | %Rec | 1 | 6/15/2023 6:44:34 PM | 75558 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

Analytical Report

Lab Order **2306614**

Date Reported: **6/23/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-11

Project: Case LS 9m

Collection Date: 6/12/2023 10:50:00 AM

Lab ID: 2306614-011

Matrix: SOIL

Received Date: 6/13/2023 6:15:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|----------|------|-------|----|-----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: SNS |
| Chloride | 61 | 60 | | mg/Kg | 20 | 6/14/2023 10:45:38 PM | 75594 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: PRD |
| Diesel Range Organics (DRO) | ND | 9.1 | | mg/Kg | 1 | 6/14/2023 1:59:52 PM | 75565 |
| Motor Oil Range Organics (MRO) | ND | 45 | | mg/Kg | 1 | 6/14/2023 1:59:52 PM | 75565 |
| Surr: DNOP | 112 | 69-147 | | %Rec | 1 | 6/14/2023 1:59:52 PM | 75565 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: JJP |
| Gasoline Range Organics (GRO) | ND | 4.8 | | mg/Kg | 1 | 6/15/2023 7:08:29 PM | 75558 |
| Surr: BFB | 110 | 15-244 | | %Rec | 1 | 6/15/2023 7:08:29 PM | 75558 |
| EPA METHOD 8021B: VOLATILES | | | | | | | Analyst: JJP |
| Benzene | ND | 0.024 | | mg/Kg | 1 | 6/15/2023 7:08:29 PM | 75558 |
| Toluene | ND | 0.048 | | mg/Kg | 1 | 6/15/2023 7:08:29 PM | 75558 |
| Ethylbenzene | ND | 0.048 | | mg/Kg | 1 | 6/15/2023 7:08:29 PM | 75558 |
| Xylenes, Total | ND | 0.096 | | mg/Kg | 1 | 6/15/2023 7:08:29 PM | 75558 |
| Surr: 4-Bromofluorobenzene | 91.3 | 39.1-146 | | %Rec | 1 | 6/15/2023 7:08:29 PM | 75558 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

Analytical Report

Lab Order **2306614**

Date Reported: **6/23/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-12

Project: Case LS 9m

Collection Date: 6/12/2023 10:55:00 AM

Lab ID: 2306614-012

Matrix: SOIL

Received Date: 6/13/2023 6:15:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|----------|------|-------|----|-----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: SNS |
| Chloride | 86 | 60 | | mg/Kg | 20 | 6/14/2023 10:57:59 PM | 75596 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: PRD |
| Diesel Range Organics (DRO) | ND | 9.8 | | mg/Kg | 1 | 6/14/2023 10:46:06 PM | 75565 |
| Motor Oil Range Organics (MRO) | ND | 49 | | mg/Kg | 1 | 6/14/2023 10:46:06 PM | 75565 |
| Surr: DNOP | 107 | 69-147 | | %Rec | 1 | 6/14/2023 10:46:06 PM | 75565 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: JJP |
| Gasoline Range Organics (GRO) | ND | 4.9 | | mg/Kg | 1 | 6/15/2023 8:20:03 PM | 75558 |
| Surr: BFB | 105 | 15-244 | | %Rec | 1 | 6/15/2023 8:20:03 PM | 75558 |
| EPA METHOD 8021B: VOLATILES | | | | | | | Analyst: JJP |
| Benzene | ND | 0.025 | | mg/Kg | 1 | 6/15/2023 8:20:03 PM | 75558 |
| Toluene | 0.069 | 0.049 | | mg/Kg | 1 | 6/15/2023 8:20:03 PM | 75558 |
| Ethylbenzene | ND | 0.049 | | mg/Kg | 1 | 6/15/2023 8:20:03 PM | 75558 |
| Xylenes, Total | 0.15 | 0.099 | | mg/Kg | 1 | 6/15/2023 8:20:03 PM | 75558 |
| Surr: 4-Bromofluorobenzene | 89.2 | 39.1-146 | | %Rec | 1 | 6/15/2023 8:20:03 PM | 75558 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

Analytical Report

Lab Order **2306614**

Date Reported: **6/23/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-13

Project: Case LS 9m

Collection Date: 6/12/2023 11:00:00 AM

Lab ID: 2306614-013

Matrix: SOIL

Received Date: 6/13/2023 6:15:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|----------|------|-------|----|-----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: SNS |
| Chloride | 130 | 60 | | mg/Kg | 20 | 6/14/2023 11:35:01 PM | 75596 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: PRD |
| Diesel Range Organics (DRO) | ND | 9.5 | | mg/Kg | 1 | 6/14/2023 10:57:15 PM | 75565 |
| Motor Oil Range Organics (MRO) | ND | 47 | | mg/Kg | 1 | 6/14/2023 10:57:15 PM | 75565 |
| Surr: DNOP | 101 | 69-147 | | %Rec | 1 | 6/14/2023 10:57:15 PM | 75565 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: JJP |
| Gasoline Range Organics (GRO) | ND | 4.8 | | mg/Kg | 1 | 6/15/2023 8:43:49 PM | 75558 |
| Surr: BFB | 107 | 15-244 | | %Rec | 1 | 6/15/2023 8:43:49 PM | 75558 |
| EPA METHOD 8021B: VOLATILES | | | | | | | Analyst: JJP |
| Benzene | ND | 0.024 | | mg/Kg | 1 | 6/15/2023 8:43:49 PM | 75558 |
| Toluene | ND | 0.048 | | mg/Kg | 1 | 6/15/2023 8:43:49 PM | 75558 |
| Ethylbenzene | ND | 0.048 | | mg/Kg | 1 | 6/15/2023 8:43:49 PM | 75558 |
| Xylenes, Total | 0.10 | 0.097 | | mg/Kg | 1 | 6/15/2023 8:43:49 PM | 75558 |
| Surr: 4-Bromofluorobenzene | 89.9 | 39.1-146 | | %Rec | 1 | 6/15/2023 8:43:49 PM | 75558 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

Analytical Report

Lab Order **2306614**

Date Reported: **6/23/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-14

Project: Case LS 9m

Collection Date: 6/12/2023 11:05:00 AM

Lab ID: 2306614-014

Matrix: SOIL

Received Date: 6/13/2023 6:15:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|----------|------|-------|----|-----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: SNS |
| Chloride | 79 | 59 | | mg/Kg | 20 | 6/15/2023 12:36:44 AM | 75596 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: PRD |
| Diesel Range Organics (DRO) | ND | 9.9 | | mg/Kg | 1 | 6/14/2023 11:08:26 PM | 75565 |
| Motor Oil Range Organics (MRO) | ND | 50 | | mg/Kg | 1 | 6/14/2023 11:08:26 PM | 75565 |
| Surr: DNOP | 199 | 69-147 | S | %Rec | 1 | 6/14/2023 11:08:26 PM | 75565 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: JJP |
| Gasoline Range Organics (GRO) | ND | 4.9 | | mg/Kg | 1 | 6/20/2023 10:44:55 AM | 75558 |
| Surr: BFB | 97.1 | 15-244 | | %Rec | 1 | 6/20/2023 10:44:55 AM | 75558 |
| EPA METHOD 8021B: VOLATILES | | | | | | | Analyst: JJP |
| Benzene | ND | 0.025 | | mg/Kg | 1 | 6/20/2023 10:44:55 AM | 75558 |
| Toluene | ND | 0.049 | | mg/Kg | 1 | 6/20/2023 10:44:55 AM | 75558 |
| Ethylbenzene | ND | 0.049 | | mg/Kg | 1 | 6/20/2023 10:44:55 AM | 75558 |
| Xylenes, Total | ND | 0.099 | | mg/Kg | 1 | 6/20/2023 10:44:55 AM | 75558 |
| Surr: 4-Bromofluorobenzene | 83.5 | 39.1-146 | | %Rec | 1 | 6/20/2023 10:44:55 AM | 75558 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

Analytical Report

Lab Order **2306614**

Date Reported: **6/23/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-15

Project: Case LS 9m

Collection Date: 6/12/2023 11:10:00 AM

Lab ID: 2306614-015

Matrix: SOIL

Received Date: 6/13/2023 6:15:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|----------|------|-------|----|-----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: SNS |
| Chloride | 140 | 60 | | mg/Kg | 20 | 6/15/2023 12:49:04 AM | 75596 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: PRD |
| Diesel Range Organics (DRO) | ND | 8.9 | | mg/Kg | 1 | 6/14/2023 11:19:40 PM | 75565 |
| Motor Oil Range Organics (MRO) | ND | 44 | | mg/Kg | 1 | 6/14/2023 11:19:40 PM | 75565 |
| Surr: DNOP | 104 | 69-147 | | %Rec | 1 | 6/14/2023 11:19:40 PM | 75565 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: JJP |
| Gasoline Range Organics (GRO) | ND | 4.8 | | mg/Kg | 1 | 6/15/2023 9:31:11 PM | 75558 |
| Surr: BFB | 105 | 15-244 | | %Rec | 1 | 6/15/2023 9:31:11 PM | 75558 |
| EPA METHOD 8021B: VOLATILES | | | | | | | Analyst: JJP |
| Benzene | ND | 0.024 | | mg/Kg | 1 | 6/15/2023 9:31:11 PM | 75558 |
| Toluene | ND | 0.048 | | mg/Kg | 1 | 6/15/2023 9:31:11 PM | 75558 |
| Ethylbenzene | ND | 0.048 | | mg/Kg | 1 | 6/15/2023 9:31:11 PM | 75558 |
| Xylenes, Total | ND | 0.097 | | mg/Kg | 1 | 6/15/2023 9:31:11 PM | 75558 |
| Surr: 4-Bromofluorobenzene | 89.8 | 39.1-146 | | %Rec | 1 | 6/15/2023 9:31:11 PM | 75558 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

Analytical Report

Lab Order **2306614**

Date Reported: **6/23/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-16

Project: Case LS 9m

Collection Date: 6/12/2023 11:15:00 AM

Lab ID: 2306614-016

Matrix: SOIL

Received Date: 6/13/2023 6:15:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|----------|------|-------|----|-----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: SNS |
| Chloride | 160 | 60 | | mg/Kg | 20 | 6/15/2023 1:01:24 AM | 75596 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: PRD |
| Diesel Range Organics (DRO) | ND | 9.6 | | mg/Kg | 1 | 6/14/2023 11:30:51 PM | 75565 |
| Motor Oil Range Organics (MRO) | ND | 48 | | mg/Kg | 1 | 6/14/2023 11:30:51 PM | 75565 |
| Surr: DNOP | 125 | 69-147 | | %Rec | 1 | 6/14/2023 11:30:51 PM | 75565 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: JJP |
| Gasoline Range Organics (GRO) | ND | 4.8 | | mg/Kg | 1 | 6/15/2023 9:54:45 PM | 75558 |
| Surr: BFB | 102 | 15-244 | | %Rec | 1 | 6/15/2023 9:54:45 PM | 75558 |
| EPA METHOD 8021B: VOLATILES | | | | | | | Analyst: JJP |
| Benzene | ND | 0.024 | | mg/Kg | 1 | 6/15/2023 9:54:45 PM | 75558 |
| Toluene | ND | 0.048 | | mg/Kg | 1 | 6/15/2023 9:54:45 PM | 75558 |
| Ethylbenzene | ND | 0.048 | | mg/Kg | 1 | 6/15/2023 9:54:45 PM | 75558 |
| Xylenes, Total | ND | 0.097 | | mg/Kg | 1 | 6/15/2023 9:54:45 PM | 75558 |
| Surr: 4-Bromofluorobenzene | 88.1 | 39.1-146 | | %Rec | 1 | 6/15/2023 9:54:45 PM | 75558 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

Analytical Report

Lab Order **2306614**

Date Reported: **6/23/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-17

Project: Case LS 9m

Collection Date: 6/12/2023 11:20:00 AM

Lab ID: 2306614-017

Matrix: SOIL

Received Date: 6/13/2023 6:15:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|----------|------|-------|----|-----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: SNS |
| Chloride | 160 | 60 | | mg/Kg | 20 | 6/15/2023 1:13:45 AM | 75596 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: PRD |
| Diesel Range Organics (DRO) | ND | 8.7 | | mg/Kg | 1 | 6/14/2023 11:42:06 PM | 75565 |
| Motor Oil Range Organics (MRO) | ND | 44 | | mg/Kg | 1 | 6/14/2023 11:42:06 PM | 75565 |
| Surr: DNOP | 103 | 69-147 | | %Rec | 1 | 6/14/2023 11:42:06 PM | 75565 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: JJP |
| Gasoline Range Organics (GRO) | ND | 4.8 | | mg/Kg | 1 | 6/15/2023 10:18:18 PM | 75558 |
| Surr: BFB | 103 | 15-244 | | %Rec | 1 | 6/15/2023 10:18:18 PM | 75558 |
| EPA METHOD 8021B: VOLATILES | | | | | | | Analyst: JJP |
| Benzene | ND | 0.024 | | mg/Kg | 1 | 6/15/2023 10:18:18 PM | 75558 |
| Toluene | ND | 0.048 | | mg/Kg | 1 | 6/15/2023 10:18:18 PM | 75558 |
| Ethylbenzene | ND | 0.048 | | mg/Kg | 1 | 6/15/2023 10:18:18 PM | 75558 |
| Xylenes, Total | 0.10 | 0.096 | | mg/Kg | 1 | 6/15/2023 10:18:18 PM | 75558 |
| Surr: 4-Bromofluorobenzene | 87.9 | 39.1-146 | | %Rec | 1 | 6/15/2023 10:18:18 PM | 75558 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2306614

23-Jun-23

Client: ENSOLUM
Project: Case LS 9m

| Sample ID: MB-75594 | SampType: MBLK | TestCode: EPA Method 300.0: Anions | | | | | | | | |
|-----------------------------|---------------------------------|---|---------------------|-------------|------|----------|-----------|------|----------|------|
| Client ID: PBS | Batch ID: 75594 | RunNo: 97431 | | | | | | | | |
| Prep Date: 6/14/2023 | Analysis Date: 6/14/2023 | SeqNo: 3541454 | Units: mg/Kg | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Chloride | ND | 1.5 | | | | | | | | |

| Sample ID: LCS-75594 | SampType: LCS | TestCode: EPA Method 300.0: Anions | | | | | | | | |
|-----------------------------|---------------------------------|---|---------------------|-------------|------|----------|-----------|------|----------|------|
| Client ID: LCSS | Batch ID: 75594 | RunNo: 97431 | | | | | | | | |
| Prep Date: 6/14/2023 | Analysis Date: 6/14/2023 | SeqNo: 3541455 | Units: mg/Kg | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Chloride | 14 | 1.5 | 15.00 | 0 | 94.1 | 90 | 110 | | | |

| Sample ID: MB-75596 | SampType: MBLK | TestCode: EPA Method 300.0: Anions | | | | | | | | |
|-----------------------------|---------------------------------|---|---------------------|-------------|------|----------|-----------|------|----------|------|
| Client ID: PBS | Batch ID: 75596 | RunNo: 97431 | | | | | | | | |
| Prep Date: 6/14/2023 | Analysis Date: 6/14/2023 | SeqNo: 3541458 | Units: mg/Kg | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Chloride | ND | 1.5 | | | | | | | | |

| Sample ID: LCS-75596 | SampType: LCS | TestCode: EPA Method 300.0: Anions | | | | | | | | |
|-----------------------------|---------------------------------|---|---------------------|-------------|------|----------|-----------|------|----------|------|
| Client ID: LCSS | Batch ID: 75596 | RunNo: 97431 | | | | | | | | |
| Prep Date: 6/14/2023 | Analysis Date: 6/14/2023 | SeqNo: 3541459 | Units: mg/Kg | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Chloride | 14 | 1.5 | 15.00 | 0 | 93.5 | 90 | 110 | | | |

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2306614

23-Jun-23

Client: ENSOLUM
Project: Case LS 9m

| Sample ID: LCS-75565 | SampType: LCS | TestCode: EPA Method 8015M/D: Diesel Range Organics | | | | | | | | |
|-----------------------------|---------------------------------|--|---------------------|-------------|------|----------|-----------|------|----------|------|
| Client ID: LCSS | Batch ID: 75565 | RunNo: 97423 | | | | | | | | |
| Prep Date: 6/13/2023 | Analysis Date: 6/14/2023 | SeqNo: 3539513 | Units: mg/Kg | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Diesel Range Organics (DRO) | 41 | 10 | 50.00 | 0 | 82.8 | 61.9 | 130 | | | |
| Surr: DNOP | 5.1 | | 5.000 | | 102 | 69 | 147 | | | |

| Sample ID: MB-75565 | SampType: MBLK | TestCode: EPA Method 8015M/D: Diesel Range Organics | | | | | | | | |
|--------------------------------|---------------------------------|--|---------------------|-------------|------|----------|-----------|------|----------|------|
| Client ID: PBS | Batch ID: 75565 | RunNo: 97423 | | | | | | | | |
| Prep Date: 6/13/2023 | Analysis Date: 6/14/2023 | SeqNo: 3539514 | Units: mg/Kg | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Diesel Range Organics (DRO) | ND | 10 | | | | | | | | |
| Motor Oil Range Organics (MRO) | ND | 50 | | | | | | | | |
| Surr: DNOP | 11 | | 10.00 | | 108 | 69 | 147 | | | |

| Sample ID: 2306614-001AMS | SampType: MS | TestCode: EPA Method 8015M/D: Diesel Range Organics | | | | | | | | |
|----------------------------------|---------------------------------|--|---------------------|-------------|------|----------|-----------|------|----------|------|
| Client ID: S-1 | Batch ID: 75565 | RunNo: 97423 | | | | | | | | |
| Prep Date: 6/13/2023 | Analysis Date: 6/15/2023 | SeqNo: 3540627 | Units: mg/Kg | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Diesel Range Organics (DRO) | 28 | 9.5 | 47.44 | 0 | 59.0 | 54.2 | 135 | | | |
| Surr: DNOP | 3.9 | | 4.744 | | 83.1 | 69 | 147 | | | |

| Sample ID: 2306614-001AMSD | SampType: MSD | TestCode: EPA Method 8015M/D: Diesel Range Organics | | | | | | | | |
|-----------------------------------|---------------------------------|--|---------------------|-------------|------|----------|-----------|------|----------|------|
| Client ID: S-1 | Batch ID: 75565 | RunNo: 97423 | | | | | | | | |
| Prep Date: 6/13/2023 | Analysis Date: 6/15/2023 | SeqNo: 3540628 | Units: mg/Kg | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Diesel Range Organics (DRO) | 31 | 8.9 | 44.72 | 0 | 70.1 | 54.2 | 135 | 11.2 | 29.2 | |
| Surr: DNOP | 4.2 | | 4.472 | | 93.4 | 69 | 147 | 0 | 0 | |

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2306614

23-Jun-23

Client: ENSOLUM
Project: Case LS 9m

| Sample ID: ics-75558 | SampType: LCS | TestCode: EPA Method 8015D: Gasoline Range | | | | | | | | |
|-------------------------------|---------------------------------|---|---------------------|-------------|------|----------|-----------|------|----------|------|
| Client ID: LCSS | Batch ID: 75558 | RunNo: 97434 | | | | | | | | |
| Prep Date: 6/13/2023 | Analysis Date: 6/14/2023 | SeqNo: 3539941 | Units: mg/Kg | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Gasoline Range Organics (GRO) | 24 | 5.0 | 25.00 | 0 | 96.1 | 70 | 130 | | | |
| Surr: BFB | 2000 | | 1000 | | 201 | 15 | 244 | | | |

| Sample ID: mb-75558 | SampType: MBLK | TestCode: EPA Method 8015D: Gasoline Range | | | | | | | | |
|-------------------------------|---------------------------------|---|---------------------|-------------|------|----------|-----------|------|----------|------|
| Client ID: PBS | Batch ID: 75558 | RunNo: 97434 | | | | | | | | |
| Prep Date: 6/13/2023 | Analysis Date: 6/14/2023 | SeqNo: 3539942 | Units: mg/Kg | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Gasoline Range Organics (GRO) | ND | 5.0 | | | | | | | | |
| Surr: BFB | 980 | | 1000 | | 97.7 | 15 | 244 | | | |

| Sample ID: 2306614-001ams | SampType: MS | TestCode: EPA Method 8015D: Gasoline Range | | | | | | | | |
|----------------------------------|---------------------------------|---|---------------------|-------------|------|----------|-----------|------|----------|------|
| Client ID: S-1 | Batch ID: 75558 | RunNo: 97464 | | | | | | | | |
| Prep Date: 6/13/2023 | Analysis Date: 6/16/2023 | SeqNo: 3542762 | Units: mg/Kg | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Gasoline Range Organics (GRO) | 30 | 4.8 | 23.76 | 18.62 | 46.4 | 70 | 130 | | | S |
| Surr: BFB | 2100 | | 950.6 | | 224 | 15 | 244 | | | |

| Sample ID: 2306614-001amsd | SampType: MSD | TestCode: EPA Method 8015D: Gasoline Range | | | | | | | | |
|-----------------------------------|---------------------------------|---|---------------------|-------------|------|----------|-----------|------|----------|------|
| Client ID: S-1 | Batch ID: 75558 | RunNo: 97464 | | | | | | | | |
| Prep Date: 6/13/2023 | Analysis Date: 6/16/2023 | SeqNo: 3542763 | Units: mg/Kg | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Gasoline Range Organics (GRO) | 26 | 4.7 | 23.67 | 18.62 | 29.4 | 70 | 130 | 14.7 | 20 | S |
| Surr: BFB | 2100 | | 947.0 | | 219 | 15 | 244 | 0 | 0 | |

| Sample ID: ics-75635 | SampType: LCS | TestCode: EPA Method 8015D: Gasoline Range | | | | | | | | |
|-----------------------------|---------------------------------|---|--------------------|-------------|------|----------|-----------|------|----------|------|
| Client ID: LCSS | Batch ID: 75635 | RunNo: 97550 | | | | | | | | |
| Prep Date: 6/15/2023 | Analysis Date: 6/19/2023 | SeqNo: 3545635 | Units: %Rec | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Surr: BFB | 2100 | | 1000 | | 210 | 15 | 244 | | | |

| Sample ID: mb-75635 | SampType: MBLK | TestCode: EPA Method 8015D: Gasoline Range | | | | | | | | |
|-----------------------------|---------------------------------|---|--------------------|-------------|------|----------|-----------|------|----------|------|
| Client ID: PBS | Batch ID: 75635 | RunNo: 97550 | | | | | | | | |
| Prep Date: 6/15/2023 | Analysis Date: 6/19/2023 | SeqNo: 3545636 | Units: %Rec | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Surr: BFB | 1000 | | 1000 | | 103 | 15 | 244 | | | |

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2306614

23-Jun-23

Client: ENSOLUM
Project: Case LS 9m

| Sample ID: ics-75662 | SampType: LCS | TestCode: EPA Method 8015D: Gasoline Range | | | | | | | | |
|-----------------------------|---------------------------------|---|--------------------|-------------|------|----------|-----------|------|----------|------|
| Client ID: LCSS | Batch ID: 75662 | RunNo: 97550 | | | | | | | | |
| Prep Date: 6/16/2023 | Analysis Date: 6/19/2023 | SeqNo: 3546076 | Units: %Rec | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Surr: BFB | 2000 | | 1000 | | 203 | 15 | 244 | | | |

| Sample ID: mb-75662 | SampType: MBLK | TestCode: EPA Method 8015D: Gasoline Range | | | | | | | | |
|-----------------------------|---------------------------------|---|--------------------|-------------|------|----------|-----------|------|----------|------|
| Client ID: PBS | Batch ID: 75662 | RunNo: 97550 | | | | | | | | |
| Prep Date: 6/16/2023 | Analysis Date: 6/20/2023 | SeqNo: 3546077 | Units: %Rec | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Surr: BFB | 1000 | | 1000 | | 101 | 15 | 244 | | | |

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2306614

23-Jun-23

Client: ENSOLUM
Project: Case LS 9m

| Sample ID: LCS-75558 | SampType: LCS | | TestCode: EPA Method 8021B: Volatiles | | | | | | | |
|-----------------------------|---------------------------------|-------|--|-------------|---------------------|----------|-----------|------|----------|------|
| Client ID: LCSS | Batch ID: 75558 | | RunNo: 97434 | | | | | | | |
| Prep Date: 6/13/2023 | Analysis Date: 6/14/2023 | | SeqNo: 3539945 | | Units: mg/Kg | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Benzene | 0.51 | 0.025 | 0.5000 | 0 | 102 | 70 | 130 | | | |
| Toluene | 0.54 | 0.050 | 0.5000 | 0 | 109 | 70 | 130 | | | |
| Ethylbenzene | 0.55 | 0.050 | 0.5000 | 0 | 109 | 70 | 130 | | | |
| Xylenes, Total | 1.7 | 0.10 | 1.500 | 0 | 112 | 70 | 130 | | | |
| Surr: 4-Bromofluorobenzene | 0.91 | | 1.000 | | 91.3 | 39.1 | 146 | | | |

| Sample ID: mb-75558 | SampType: MBLK | | TestCode: EPA Method 8021B: Volatiles | | | | | | | |
|-----------------------------|---------------------------------|-------|--|-------------|---------------------|----------|-----------|------|----------|------|
| Client ID: PBS | Batch ID: 75558 | | RunNo: 97434 | | | | | | | |
| Prep Date: 6/13/2023 | Analysis Date: 6/14/2023 | | SeqNo: 3539946 | | Units: mg/Kg | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Benzene | ND | 0.025 | | | | | | | | |
| Toluene | ND | 0.050 | | | | | | | | |
| Ethylbenzene | ND | 0.050 | | | | | | | | |
| Xylenes, Total | ND | 0.10 | | | | | | | | |
| Surr: 4-Bromofluorobenzene | 0.87 | | 1.000 | | 86.7 | 39.1 | 146 | | | |

| Sample ID: 2306614-002ams | SampType: MS | | TestCode: EPA Method 8021B: Volatiles | | | | | | | |
|----------------------------------|---------------------------------|-------|--|-------------|---------------------|----------|-----------|------|----------|------|
| Client ID: S-2 | Batch ID: 75558 | | RunNo: 97464 | | | | | | | |
| Prep Date: 6/13/2023 | Analysis Date: 6/16/2023 | | SeqNo: 3542808 | | Units: mg/Kg | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Benzene | 0.94 | 0.025 | 0.9843 | 0.2109 | 74.4 | 70 | 130 | | | |
| Toluene | 2.3 | 0.049 | 0.9843 | 2.225 | 8.61 | 70 | 130 | | | S |
| Ethylbenzene | 1.2 | 0.049 | 0.9843 | 0.5338 | 66.6 | 70 | 130 | | | S |
| Xylenes, Total | 6.9 | 0.098 | 2.953 | 6.713 | 4.89 | 70 | 130 | | | S |
| Surr: 4-Bromofluorobenzene | 0.97 | | 0.9843 | | 98.6 | 39.1 | 146 | | | |

| Sample ID: 2306614-002amsd | SampType: MSD | | TestCode: EPA Method 8021B: Volatiles | | | | | | | |
|-----------------------------------|---------------------------------|-------|--|-------------|---------------------|----------|-----------|-------|----------|------|
| Client ID: S-2 | Batch ID: 75558 | | RunNo: 97464 | | | | | | | |
| Prep Date: 6/13/2023 | Analysis Date: 6/16/2023 | | SeqNo: 3542809 | | Units: mg/Kg | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Benzene | 1.0 | 0.025 | 0.9872 | 0.2109 | 81.0 | 70 | 130 | 6.87 | 20 | |
| Toluene | 2.2 | 0.049 | 0.9872 | 2.225 | -7.09 | 70 | 130 | 6.93 | 20 | S |
| Ethylbenzene | 1.2 | 0.049 | 0.9872 | 0.5338 | 67.4 | 70 | 130 | 0.857 | 20 | S |
| Xylenes, Total | 6.3 | 0.099 | 2.962 | 6.713 | -14.9 | 70 | 130 | 8.93 | 20 | S |
| Surr: 4-Bromofluorobenzene | 0.99 | | 0.9872 | | 100 | 39.1 | 146 | 0 | 0 | |

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2306614

23-Jun-23

Client: ENSOLUM
Project: Case LS 9m

| Sample ID: LCS-75635 | SampType: LCS | | TestCode: EPA Method 8021B: Volatiles | | | | | | | |
|-----------------------------|---------------------------------|-----|--|-------------|------|----------|--------------------|------|----------|------|
| Client ID: LCSS | Batch ID: 75635 | | RunNo: 97550 | | | | | | | |
| Prep Date: 6/15/2023 | Analysis Date: 6/19/2023 | | SeqNo: 3545642 | | | | Units: %Rec | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Surr: 4-Bromofluorobenzene | 0.88 | | 1.000 | | 88.5 | 39.1 | 146 | | | |

| Sample ID: mb-75635 | SampType: MBLK | | TestCode: EPA Method 8021B: Volatiles | | | | | | | |
|-----------------------------|---------------------------------|-----|--|-------------|------|----------|--------------------|------|----------|------|
| Client ID: PBS | Batch ID: 75635 | | RunNo: 97550 | | | | | | | |
| Prep Date: 6/15/2023 | Analysis Date: 6/19/2023 | | SeqNo: 3545643 | | | | Units: %Rec | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Surr: 4-Bromofluorobenzene | 0.88 | | 1.000 | | 87.6 | 39.1 | 146 | | | |

| Sample ID: LCS-75662 | SampType: LCS | | TestCode: EPA Method 8021B: Volatiles | | | | | | | |
|-----------------------------|---------------------------------|-----|--|-------------|------|----------|--------------------|------|----------|------|
| Client ID: LCSS | Batch ID: 75662 | | RunNo: 97550 | | | | | | | |
| Prep Date: 6/16/2023 | Analysis Date: 6/20/2023 | | SeqNo: 3546176 | | | | Units: %Rec | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Surr: 4-Bromofluorobenzene | 0.88 | | 1.000 | | 88.1 | 39.1 | 146 | | | |

| Sample ID: mb-75662 | SampType: MBLK | | TestCode: EPA Method 8021B: Volatiles | | | | | | | |
|-----------------------------|---------------------------------|-----|--|-------------|------|----------|--------------------|------|----------|------|
| Client ID: PBS | Batch ID: 75662 | | RunNo: 97550 | | | | | | | |
| Prep Date: 6/16/2023 | Analysis Date: 6/20/2023 | | SeqNo: 3546177 | | | | Units: %Rec | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Surr: 4-Bromofluorobenzene | 0.85 | | 1.000 | | 85.3 | 39.1 | 146 | | | |

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: ENSOLUM Work Order Number: 2306614 RcptNo: 1

Received By: Tracy Casarrubias 6/13/2023 6:15:00 AM
Completed By: Tracy Casarrubias 6/13/2023 6:51:06 AM
Reviewed By: m6/13/23

Chain of Custody

- 1. Is Chain of Custody complete? Yes [checked] No [] Not Present []
2. How was the sample delivered? Courier

Log In

- 3. Was an attempt made to cool the samples? Yes [checked] No [] NA []
4. Were all samples received at a temperature of >0° C to 6.0°C Yes [checked] No [] NA []
5. Sample(s) in proper container(s)? Yes [checked] No []
6. Sufficient sample volume for indicated test(s)? Yes [checked] No []
7. Are samples (except VOA and ONG) properly preserved? Yes [checked] No []
8. Was preservative added to bottles? Yes [] No [checked] NA []
9. Received at least 1 vial with headspace <1/4" for AQ VOA? Yes [] No [] NA [checked]
10. Were any sample containers received broken? Yes [] No [checked]
11. Does paperwork match bottle labels? Yes [checked] No []
12. Are matrices correctly identified on Chain of Custody? Yes [checked] No []
13. Is it clear what analyses were requested? Yes [checked] No []
14. Were all holding times able to be met? Yes [checked] No []

of preserved bottles checked for pH:
Adjusted?
Checked by:
Handwritten: SCM 06/13/23

Special Handling (if applicable)

- 15. Was client notified of all discrepancies with this order? Yes [] No [] NA [checked]

Person Notified: [] Date: []
By Whom: [] Via: [] eMail [] Phone [] Fax [] In Person []
Regarding: []
Client Instructions: []

16. Additional remarks:

17. Cooler Information

Table with 7 columns: Cooler No, Temp °C, Condition, Seal Intact, Seal No, Seal Date, Signed By. Row 1: 1, 5.1, Good, Yes, Yogi

Chain-of-Custody Record

Client: Ensolom, LLC
 Mailing Address: 606 S Rio Grande
Suit A
 Phone #: 970 216 5235
 email or Fax#: cdapenti@ensolom.com
 QA/QC Package: Standard Level 4 (Full Validation)
 Accreditation: Az Compliance Other
 NELAC Other
 EDD (Type) _____

Turn-Around Time: 15
 Standard Rush 6-06-23
 Project Name: Case LS #9M
 Project #: _____
 Project Manager: K Summers
 Sampler: CD Apenti
 On Ice: Yes No 100
 # of Coolers: 1
 Cooler Temp (including CP): 5.1-0-5.1 (°C)

| Date | Time | Matrix | Sample Name | Container Type and # | Preservative Type | HEAL No. |
|------|------|--------|-------------|----------------------|-------------------|----------|
| 6/12 | 1000 | S | S-1 | 14oz Seal | Cool | 23000014 |
| 6/12 | 1005 | S | S-2 | Seal | Cool | 001 |
| 6/12 | 1010 | S | S-3 | Seal | Cool | 002 |
| 6/12 | 1015 | S | S-4 | Seal | Cool | 003 |
| 6/12 | 1020 | S | S-5 | Seal | Cool | 004 |
| 6/12 | 1025 | S | S-6 | Seal | Cool | 005 |
| 6/12 | 1030 | S | S-7 | Seal | Cool | 006 |
| 6/12 | 1035 | S | S-8 | Seal | Cool | 007 |
| 6/12 | 1040 | S | S-9 | Seal | Cool | 008 |
| 6/12 | 1045 | S | S-10 | Seal | Cool | 009 |
| 6/12 | 1050 | S | S-11 | Seal | Cool | 010 |
| 6/12 | 1055 | S | S-12 | Seal | Cool | 011 |
| 6/12 | 1055 | S | S-12 | Seal | Cool | 012 |

Date: 6/12/23 Time: 1252 Relinquished by: [Signature]
 Date: 6/12/23 Time: 1754 Relinquished by: [Signature]
 Received by: [Signature] Date: 6/12/23 Time: 1252
 Received by: [Signature] Date: 6/13/23 Time: 6:15



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

| Analysis Request | |
|-------------------------------------|---|
| <input checked="" type="checkbox"/> | BTEX / MTBE / TMB's (8021) |
| <input checked="" type="checkbox"/> | TPH:8015D(GRO / DRO / MRO) |
| <input checked="" type="checkbox"/> | 8081 Pesticides/8082 PCB's |
| <input checked="" type="checkbox"/> | EDB (Method 504.1) |
| <input checked="" type="checkbox"/> | PAHs by 8310 or 8270SIMS |
| <input checked="" type="checkbox"/> | RCRA 8 Metals |
| <input checked="" type="checkbox"/> | Cl ₁ , Br, NO ₃ , NO ₂ , PO ₄ , SO ₄ |
| <input checked="" type="checkbox"/> | 8260 (VOA) |
| <input checked="" type="checkbox"/> | 8270 (Semi-VOA) |
| <input checked="" type="checkbox"/> | Total Coliform (Present/Absent) |

Remarks: Tom Long
1 of 2

Chain-of-Custody Record

Client: Ensalum, LLC

Mailing Address: _____

Phone #: _____

email or Fax#: _____

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

Accreditation: Az Compliance NELAC Other EDD (Type) _____

Turn-Around Time: 7:00 AM

Standard Rush 6-10-23

Project Name: Case LS #9 m

Project #: _____

Project Manager: _____

Sampler: 1 On Ice: Yes No 409

of Coolers: 1 Cooler Temp (including CP): 5.1-0-5.1 (°C)

| Date | Time | Matrix | Sample Name | Container Type and # | Preservative Type | HEAL No. |
|------|------|--------|-------------|----------------------|-------------------|----------|
| 6/12 | 1100 | S | S-13 | 14oz Jar Seal | Good | 2306614 |
| 6/12 | 1105 | S | S-14 | Good | Good | 013 |
| 6/12 | 1110 | S | S-15 | Good | Good | 014 |
| 6/12 | 1015 | S | S-16 | Good | Good | 015 |
| 6/12 | 1020 | S | S-17 | Good | Good | 016 |

Received by: [Signature] Date: 6/12/23 Time: 1252

Relinquished by: [Signature]

Received by: [Signature] Date: 6/13/23 Time: 6:15

Relinquished by: [Signature]



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

| Analysis Request | |
|--|-------------------------------------|
| BTEX / MTBE / TMS (8021) | <input checked="" type="checkbox"/> |
| TPH:8015D(GRO / DRO / MRO) | <input checked="" type="checkbox"/> |
| 8081 Pesticides/8082 PCBs | <input type="checkbox"/> |
| EDB (Method 504.1) | <input type="checkbox"/> |
| PAHs by 8310 or 8270SIMS | <input type="checkbox"/> |
| RCRA 8 Metals | <input checked="" type="checkbox"/> |
| (Cl, Pb, NO ₃ , NO ₂ , PO ₄ , SO ₄) | <input checked="" type="checkbox"/> |
| 8260 (VOA) | <input type="checkbox"/> |
| 8270 (Semi-VOA) | <input type="checkbox"/> |
| Total Coliform (Present/Absent) | <input type="checkbox"/> |

Remarks: Tom Long

2 of 2



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

June 22, 2023

Kyle Summers

ENSOLUM

606 S. Rio Grande Suite A

Aztec, NM 87410

TEL: (903) 821-5603

FAX:

RE: Case LS 9M

OrderNo.: 2306946

Dear Kyle Summers:

Hall Environmental Analysis Laboratory received 5 sample(s) on 6/17/2023 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

A handwritten signature in black ink, appearing to read "Andy Freeman", is written over a white background.

Andy Freeman

Laboratory Manager

4901 Hawkins NE

Albuquerque, NM 87109

Analytical Report

Lab Order **2306946**

Date Reported: **6/22/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-3a

Project: Case LS 9M

Collection Date: 6/16/2023 11:00:00 AM

Lab ID: 2306946-001

Matrix: MEOH (SOIL) **Received Date:** 6/17/2023 7:50:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|----------|------|-------|----|-----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: SNS |
| Chloride | ND | 60 | | mg/Kg | 20 | 6/19/2023 11:17:59 AM | 75693 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: DGH |
| Diesel Range Organics (DRO) | 14 | 9.4 | | mg/Kg | 1 | 6/19/2023 12:19:01 PM | 75692 |
| Motor Oil Range Organics (MRO) | ND | 47 | | mg/Kg | 1 | 6/19/2023 12:19:01 PM | 75692 |
| Surr: DNOP | 90.8 | 69-147 | | %Rec | 1 | 6/19/2023 12:19:01 PM | 75692 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: JJP |
| Gasoline Range Organics (GRO) | ND | 19 | | mg/Kg | 5 | 6/18/2023 5:34:26 PM | GS97534 |
| Surr: BFB | 108 | 15-244 | | %Rec | 5 | 6/18/2023 5:34:26 PM | GS97534 |
| EPA METHOD 8021B: VOLATILES | | | | | | | Analyst: JJP |
| Benzene | ND | 0.094 | | mg/Kg | 5 | 6/18/2023 5:34:26 PM | R97534 |
| Toluene | ND | 0.19 | | mg/Kg | 5 | 6/18/2023 5:34:26 PM | R97534 |
| Ethylbenzene | ND | 0.19 | | mg/Kg | 5 | 6/18/2023 5:34:26 PM | R97534 |
| Xylenes, Total | ND | 0.38 | | mg/Kg | 5 | 6/18/2023 5:34:26 PM | R97534 |
| Surr: 4-Bromofluorobenzene | 88.7 | 39.1-146 | | %Rec | 5 | 6/18/2023 5:34:26 PM | R97534 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

Analytical Report

Lab Order **2306946**

Date Reported: **6/22/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-4a

Project: Case LS 9M

Collection Date: 6/16/2023 11:05:00 AM

Lab ID: 2306946-002

Matrix: MEOH (SOIL) **Received Date:** 6/17/2023 7:50:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|----------|------|-------|----|-----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: SNS |
| Chloride | ND | 60 | | mg/Kg | 20 | 6/19/2023 11:30:23 AM | 75693 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: DGH |
| Diesel Range Organics (DRO) | 10 | 9.9 | | mg/Kg | 1 | 6/19/2023 12:29:51 PM | 75692 |
| Motor Oil Range Organics (MRO) | ND | 49 | | mg/Kg | 1 | 6/19/2023 12:29:51 PM | 75692 |
| Surr: DNOP | 87.4 | 69-147 | | %Rec | 1 | 6/19/2023 12:29:51 PM | 75692 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: JJP |
| Gasoline Range Organics (GRO) | ND | 3.8 | | mg/Kg | 1 | 6/18/2023 6:46:39 PM | GS97534 |
| Surr: BFB | 109 | 15-244 | | %Rec | 1 | 6/18/2023 6:46:39 PM | GS97534 |
| EPA METHOD 8021B: VOLATILES | | | | | | | Analyst: JJP |
| Benzene | ND | 0.019 | | mg/Kg | 1 | 6/18/2023 6:46:39 PM | R97534 |
| Toluene | ND | 0.038 | | mg/Kg | 1 | 6/18/2023 6:46:39 PM | R97534 |
| Ethylbenzene | ND | 0.038 | | mg/Kg | 1 | 6/18/2023 6:46:39 PM | R97534 |
| Xylenes, Total | ND | 0.077 | | mg/Kg | 1 | 6/18/2023 6:46:39 PM | R97534 |
| Surr: 4-Bromofluorobenzene | 89.9 | 39.1-146 | | %Rec | 1 | 6/18/2023 6:46:39 PM | R97534 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

Analytical Report

Lab Order **2306946**

Date Reported: **6/22/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-5a

Project: Case LS 9M

Collection Date: 6/16/2023 11:10:00 AM

Lab ID: 2306946-003

Matrix: MEOH (SOIL) **Received Date:** 6/17/2023 7:50:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|----------|------|-------|----|-----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: SNS |
| Chloride | ND | 60 | | mg/Kg | 20 | 6/19/2023 11:42:47 AM | 75693 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: DGH |
| Diesel Range Organics (DRO) | ND | 10 | | mg/Kg | 1 | 6/19/2023 12:40:39 PM | 75692 |
| Motor Oil Range Organics (MRO) | ND | 50 | | mg/Kg | 1 | 6/19/2023 12:40:39 PM | 75692 |
| Surr: DNOP | 93.5 | 69-147 | | %Rec | 1 | 6/19/2023 12:40:39 PM | 75692 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: JJP |
| Gasoline Range Organics (GRO) | ND | 3.6 | | mg/Kg | 1 | 6/18/2023 7:10:39 PM | GS97534 |
| Surr: BFB | 111 | 15-244 | | %Rec | 1 | 6/18/2023 7:10:39 PM | GS97534 |
| EPA METHOD 8021B: VOLATILES | | | | | | | Analyst: JJP |
| Benzene | ND | 0.018 | | mg/Kg | 1 | 6/18/2023 7:10:39 PM | R97534 |
| Toluene | ND | 0.036 | | mg/Kg | 1 | 6/18/2023 7:10:39 PM | R97534 |
| Ethylbenzene | ND | 0.036 | | mg/Kg | 1 | 6/18/2023 7:10:39 PM | R97534 |
| Xylenes, Total | ND | 0.071 | | mg/Kg | 1 | 6/18/2023 7:10:39 PM | R97534 |
| Surr: 4-Bromofluorobenzene | 92.3 | 39.1-146 | | %Rec | 1 | 6/18/2023 7:10:39 PM | R97534 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

Analytical Report

Lab Order **2306946**

Date Reported: **6/22/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-7a

Project: Case LS 9M

Collection Date: 6/16/2023 11:15:00 AM

Lab ID: 2306946-004

Matrix: MEOH (SOIL) **Received Date:** 6/17/2023 7:50:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|----------|------|-------|----|-----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: SNS |
| Chloride | ND | 60 | | mg/Kg | 20 | 6/19/2023 11:55:11 AM | 75693 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: DGH |
| Diesel Range Organics (DRO) | 11 | 9.9 | | mg/Kg | 1 | 6/19/2023 12:51:31 PM | 75692 |
| Motor Oil Range Organics (MRO) | ND | 49 | | mg/Kg | 1 | 6/19/2023 12:51:31 PM | 75692 |
| Surr: DNOP | 94.0 | 69-147 | | %Rec | 1 | 6/19/2023 12:51:31 PM | 75692 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: JJP |
| Gasoline Range Organics (GRO) | ND | 20 | | mg/Kg | 5 | 6/18/2023 5:58:32 PM | GS97534 |
| Surr: BFB | 109 | 15-244 | | %Rec | 5 | 6/18/2023 5:58:32 PM | GS97534 |
| EPA METHOD 8021B: VOLATILES | | | | | | | Analyst: JJP |
| Benzene | ND | 0.098 | | mg/Kg | 5 | 6/18/2023 5:58:32 PM | R97534 |
| Toluene | ND | 0.20 | | mg/Kg | 5 | 6/18/2023 5:58:32 PM | R97534 |
| Ethylbenzene | ND | 0.20 | | mg/Kg | 5 | 6/18/2023 5:58:32 PM | R97534 |
| Xylenes, Total | ND | 0.39 | | mg/Kg | 5 | 6/18/2023 5:58:32 PM | R97534 |
| Surr: 4-Bromofluorobenzene | 89.3 | 39.1-146 | | %Rec | 5 | 6/18/2023 5:58:32 PM | R97534 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

Analytical Report

Lab Order **2306946**

Date Reported: **6/22/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-8a

Project: Case LS 9M

Collection Date: 6/16/2023 11:20:00 AM

Lab ID: 2306946-005

Matrix: MEOH (SOIL)

Received Date: 6/17/2023 7:50:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|----------|------|-------|----|-----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: SNS |
| Chloride | ND | 60 | | mg/Kg | 20 | 6/19/2023 12:07:36 PM | 75693 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: DGH |
| Diesel Range Organics (DRO) | ND | 9.4 | | mg/Kg | 1 | 6/19/2023 1:02:19 PM | 75692 |
| Motor Oil Range Organics (MRO) | ND | 47 | | mg/Kg | 1 | 6/19/2023 1:02:19 PM | 75692 |
| Surr: DNOP | 95.9 | 69-147 | | %Rec | 1 | 6/19/2023 1:02:19 PM | 75692 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: JJP |
| Gasoline Range Organics (GRO) | ND | 4.3 | | mg/Kg | 1 | 6/18/2023 7:34:45 PM | GS97534 |
| Surr: BFB | 107 | 15-244 | | %Rec | 1 | 6/18/2023 7:34:45 PM | GS97534 |
| EPA METHOD 8021B: VOLATILES | | | | | | | Analyst: JJP |
| Benzene | ND | 0.022 | | mg/Kg | 1 | 6/18/2023 7:34:45 PM | R97534 |
| Toluene | ND | 0.043 | | mg/Kg | 1 | 6/18/2023 7:34:45 PM | R97534 |
| Ethylbenzene | ND | 0.043 | | mg/Kg | 1 | 6/18/2023 7:34:45 PM | R97534 |
| Xylenes, Total | ND | 0.087 | | mg/Kg | 1 | 6/18/2023 7:34:45 PM | R97534 |
| Surr: 4-Bromofluorobenzene | 89.9 | 39.1-146 | | %Rec | 1 | 6/18/2023 7:34:45 PM | R97534 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2306946

22-Jun-23

Client: ENSOLUM
Project: Case LS 9M

| Sample ID: MB-75693 | SampType: MBLK | TestCode: EPA Method 300.0: Anions | | | | | | | | |
|-----------------------------|---------------------------------|---|---------------------|-------------|------|----------|-----------|------|----------|------|
| Client ID: PBS | Batch ID: 75693 | RunNo: 97545 | | | | | | | | |
| Prep Date: 6/19/2023 | Analysis Date: 6/19/2023 | SeqNo: 3547028 | Units: mg/Kg | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Chloride | ND | 1.5 | | | | | | | | |

| Sample ID: LCS-75693 | SampType: LCS | TestCode: EPA Method 300.0: Anions | | | | | | | | |
|-----------------------------|---------------------------------|---|---------------------|-------------|------|----------|-----------|------|----------|------|
| Client ID: LCSS | Batch ID: 75693 | RunNo: 97545 | | | | | | | | |
| Prep Date: 6/19/2023 | Analysis Date: 6/19/2023 | SeqNo: 3547029 | Units: mg/Kg | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Chloride | 14 | 1.5 | 15.00 | 0 | 92.1 | 90 | 110 | | | |

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2306946

22-Jun-23

Client: ENSOLUM
Project: Case LS 9M

| Sample ID: LCS-75621 | SampType: LCS | | TestCode: EPA Method 8015M/D: Diesel Range Organics | | | | | | | |
|-----------------------------|---------------------------------|-----|--|-------------|------|----------|--------------------|------|----------|------|
| Client ID: LCSS | Batch ID: 75621 | | RunNo: 97548 | | | | | | | |
| Prep Date: 6/16/2023 | Analysis Date: 6/19/2023 | | SeqNo: 3547375 | | | | Units: %Rec | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Surr: DNOP | 4.6 | | 5.000 | | 92.7 | 69 | 147 | | | |

| Sample ID: LCS-75692 | SampType: LCS | | TestCode: EPA Method 8015M/D: Diesel Range Organics | | | | | | | |
|-----------------------------|---------------------------------|-----|--|-------------|------|----------|---------------------|------|----------|------|
| Client ID: LCSS | Batch ID: 75692 | | RunNo: 97548 | | | | | | | |
| Prep Date: 6/19/2023 | Analysis Date: 6/19/2023 | | SeqNo: 3547376 | | | | Units: mg/Kg | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Diesel Range Organics (DRO) | 38 | 10 | 50.00 | 0 | 76.0 | 61.9 | 130 | | | |
| Surr: DNOP | 4.3 | | 5.000 | | 86.2 | 69 | 147 | | | |

| Sample ID: MB-75621 | SampType: MBLK | | TestCode: EPA Method 8015M/D: Diesel Range Organics | | | | | | | |
|-----------------------------|---------------------------------|-----|--|-------------|------|----------|--------------------|------|----------|------|
| Client ID: PBS | Batch ID: 75621 | | RunNo: 97548 | | | | | | | |
| Prep Date: 6/16/2023 | Analysis Date: 6/19/2023 | | SeqNo: 3547377 | | | | Units: %Rec | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Surr: DNOP | 9.3 | | 10.00 | | 92.7 | 69 | 147 | | | |

| Sample ID: MB-75692 | SampType: MBLK | | TestCode: EPA Method 8015M/D: Diesel Range Organics | | | | | | | |
|--------------------------------|---------------------------------|-----|--|-------------|------|----------|---------------------|------|----------|------|
| Client ID: PBS | Batch ID: 75692 | | RunNo: 97548 | | | | | | | |
| Prep Date: 6/19/2023 | Analysis Date: 6/19/2023 | | SeqNo: 3547378 | | | | Units: mg/Kg | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Diesel Range Organics (DRO) | ND | 10 | | | | | | | | |
| Motor Oil Range Organics (MRO) | ND | 50 | | | | | | | | |
| Surr: DNOP | 9.4 | | 10.00 | | 93.6 | 69 | 147 | | | |

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2306946

22-Jun-23

Client: ENSOLUM
Project: Case LS 9M

| Sample ID: 2.5ug gro lcs | SampType: LCS | | TestCode: EPA Method 8015D: Gasoline Range | | | | | | | |
|---------------------------------|---------------------------------|-----|---|-------------|--------------------|----------|-----------|------|----------|------|
| Client ID: LCSS | Batch ID: R97534 | | RunNo: 97534 | | | | | | | |
| Prep Date: | Analysis Date: 6/18/2023 | | SeqNo: 3544468 | | Units: %Rec | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Surr: BFB | 2200 | | 1000 | | 216 | 15 | 244 | | | |

| Sample ID: lcs-75595 | SampType: LCS | | TestCode: EPA Method 8015D: Gasoline Range | | | | | | | |
|-----------------------------|---------------------------------|-----|---|-------------|--------------------|----------|-----------|------|----------|------|
| Client ID: LCSS | Batch ID: 75595 | | RunNo: 97534 | | | | | | | |
| Prep Date: 6/14/2023 | Analysis Date: 6/18/2023 | | SeqNo: 3544469 | | Units: %Rec | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Surr: BFB | 2000 | | 1000 | | 203 | 15 | 244 | | | |

| Sample ID: mb | SampType: MBLK | | TestCode: EPA Method 8015D: Gasoline Range | | | | | | | |
|-------------------------------|---------------------------------|-----|---|-------------|---------------------|----------|-----------|------|----------|------|
| Client ID: PBS | Batch ID: GS97534 | | RunNo: 97534 | | | | | | | |
| Prep Date: | Analysis Date: 6/18/2023 | | SeqNo: 3544470 | | Units: mg/Kg | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Gasoline Range Organics (GRO) | ND | 5.0 | | | | | | | | |
| Surr: BFB | 1100 | | 1000 | | 107 | 15 | 244 | | | |

| Sample ID: mb-75595 | SampType: MBLK | | TestCode: EPA Method 8015D: Gasoline Range | | | | | | | |
|-----------------------------|---------------------------------|-----|---|-------------|--------------------|----------|-----------|------|----------|------|
| Client ID: PBS | Batch ID: 75595 | | RunNo: 97534 | | | | | | | |
| Prep Date: 6/14/2023 | Analysis Date: 6/18/2023 | | SeqNo: 3544471 | | Units: %Rec | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Surr: BFB | 1000 | | 1000 | | 102 | 15 | 244 | | | |

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2306946

22-Jun-23

Client: ENSOLUM
Project: Case LS 9M

| Sample ID: 100ng btex lcs | SampType: LCS | | TestCode: EPA Method 8021B: Volatiles | | | | | | | |
|----------------------------------|---------------------------------|-------|--|-------------|---------------------|----------|-----------|------|----------|------|
| Client ID: LCSS | Batch ID: R97534 | | RunNo: 97534 | | | | | | | |
| Prep Date: | Analysis Date: 6/18/2023 | | SeqNo: 3544607 | | Units: mg/Kg | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Benzene | 0.79 | 0.025 | 1.000 | 0 | 78.7 | 70 | 130 | | | |
| Toluene | 0.80 | 0.050 | 1.000 | 0 | 80.3 | 70 | 130 | | | |
| Ethylbenzene | 0.80 | 0.050 | 1.000 | 0 | 80.3 | 70 | 130 | | | |
| Xylenes, Total | 2.4 | 0.10 | 3.000 | 0 | 81.3 | 70 | 130 | | | |
| Surr: 4-Bromofluorobenzene | 0.90 | | 1.000 | | 90.2 | 39.1 | 146 | | | |

| Sample ID: LCS-75595 | SampType: LCS | | TestCode: EPA Method 8021B: Volatiles | | | | | | | |
|-----------------------------|---------------------------------|-----|--|-------------|--------------------|----------|-----------|------|----------|------|
| Client ID: LCSS | Batch ID: 75595 | | RunNo: 97534 | | | | | | | |
| Prep Date: 6/14/2023 | Analysis Date: 6/18/2023 | | SeqNo: 3544608 | | Units: %Rec | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Surr: 4-Bromofluorobenzene | 0.89 | | 1.000 | | 89.1 | 39.1 | 146 | | | |

| Sample ID: mb | SampType: MBLK | | TestCode: EPA Method 8021B: Volatiles | | | | | | | |
|----------------------------|---------------------------------|-------|--|-------------|---------------------|----------|-----------|------|----------|------|
| Client ID: PBS | Batch ID: R97534 | | RunNo: 97534 | | | | | | | |
| Prep Date: | Analysis Date: 6/18/2023 | | SeqNo: 3544609 | | Units: mg/Kg | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Benzene | ND | 0.025 | | | | | | | | |
| Toluene | ND | 0.050 | | | | | | | | |
| Ethylbenzene | ND | 0.050 | | | | | | | | |
| Xylenes, Total | ND | 0.10 | | | | | | | | |
| Surr: 4-Bromofluorobenzene | 0.89 | | 1.000 | | 89.0 | 39.1 | 146 | | | |

| Sample ID: mb-75595 | SampType: MBLK | | TestCode: EPA Method 8021B: Volatiles | | | | | | | |
|-----------------------------|---------------------------------|-----|--|-------------|--------------------|----------|-----------|------|----------|------|
| Client ID: PBS | Batch ID: 75595 | | RunNo: 97534 | | | | | | | |
| Prep Date: 6/14/2023 | Analysis Date: 6/18/2023 | | SeqNo: 3544610 | | Units: %Rec | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Surr: 4-Bromofluorobenzene | 0.87 | | 1.000 | | 86.7 | 39.1 | 146 | | | |

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: ENSOLUM Work Order Number: 2306946 RcptNo: 1

Received By: Tracy Casarrubias 6/17/2023 7:50:00 AM

Completed By: Tracy Casarrubias 6/17/2023 10:06:23 AM

Reviewed By: TMC 6/19/23

Chain of Custody

- 1. Is Chain of Custody complete? Yes [] No [x] Not Present []
2. How was the sample delivered? Courier

Log In

- 3. Was an attempt made to cool the samples? Yes [x] No [] NA []
4. Were all samples received at a temperature of >0° C to 6.0°C Yes [x] No [] NA []
5. Sample(s) in proper container(s)? Yes [x] No []
6. Sufficient sample volume for indicated test(s)? Yes [x] No []
7. Are samples (except VOA and ONG) properly preserved? Yes [x] No []
8. Was preservative added to bottles? Yes [] No [x] NA []
9. Received at least 1 vial with headspace <1/4" for AQ VOA? Yes [] No [] NA [x]
10. Were any sample containers received broken? Yes [] No [x]
11. Does paperwork match bottle labels? Yes [x] No []
12. Are matrices correctly identified on Chain of Custody? Yes [x] No []
13. Is it clear what analyses were requested? Yes [x] No []
14. Were all holding times able to be met? Yes [x] No []

of preserved bottles checked for pH: (<2 or >12 unless noted) Adjusted? Checked by: TMC 6/17/23

Special Handling (if applicable)

- 15. Was client notified of all discrepancies with this order? Yes [] No [] NA [x]

Person Notified: [] Date: []
By Whom: [] Via: [] eMail [] Phone [] Fax [] In Person []
Regarding: []
Client Instructions: Phone number and Email/ Fax missing on COC- TMC 6/17/23

16. Additional remarks:

17. Cooler Information

Table with 7 columns: Cooler No, Temp °C, Condition, Seal Intact, Seal No, Seal Date, Signed By. Row 1: 1, 2.5, Good, Yes, Yogi

Chain-of-Custody Record

Client: Esolen, LLC
 Mailing Address: Bob S Rio Grande
Suite A 87410
 Phone #: _____
 email or Fax#: _____



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

QA/QC Package: Standard Level 4 (Full Validation)
 Accreditation: Az Compliance NELAC Other
 EDD (Type) _____
 Project Manager: K Summers
 Sampler: CD Aponte
 On Ice: Yes No yogi
 # of Coolers: 1
 Cooler Temp (including CF): 2.6 - 0.1 - 2.5 (°C)

| Date | Time | Matrix | Sample Name | Container Type and # | Preservative Type | HEAL No. |
|------|------|--------|-------------|----------------------|-------------------|----------|
| 6/16 | 1100 | S | S-3a | 1405a | Cool | 2306946 |
| 6/16 | 1105 | S | S-4a | | Cool | 001 |
| 6/16 | 1110 | S | S-5a | | Cool | 002 |
| 6/16 | 1115 | S | S-7a | | Cool | 003 |
| 6/16 | 1120 | S | S-8a | | Cool | 004 |
| | | | | | | 005 |

| Analysis Request | |
|---------------------------------|-------------------------------------|
| BTEX / MTBE / TMBs (8021) | <input checked="" type="checkbox"/> |
| TPH:8015D(GRO / DRO / MRO) | <input checked="" type="checkbox"/> |
| 8081 Pesticides/8082 PCBs | <input checked="" type="checkbox"/> |
| EDB (Method 504.1) | <input checked="" type="checkbox"/> |
| PAHs by 8310 or 8270SIMS | <input checked="" type="checkbox"/> |
| RCRA 8 Metals | <input checked="" type="checkbox"/> |
| 8260 (VOA) | <input checked="" type="checkbox"/> |
| 8270 (Semi-VOA) | <input checked="" type="checkbox"/> |
| Total Coliform (Present/Absent) | <input checked="" type="checkbox"/> |

Date: 6/16/23 Time: 1414 Relinquished by: [Signature]
 Date: 6/17/23 Time: 1806 Relinquished by: [Signature]
 Received by: [Signature] Date: 6/16/23 Time: 7:50
 Received by: [Signature] Date: 6/17/23 Time: 7:50

Remarks: Tone Long
[Signature]

District I
 1625 N. French Dr., Hobbs, NM 88240
 Phone:(575) 393-6161 Fax:(575) 393-0720

District II
 811 S. First St., Artesia, NM 88210
 Phone:(575) 748-1283 Fax:(575) 748-9720

District III
 1000 Rio Brazos Rd., Aztec, NM 87410
 Phone:(505) 334-6178 Fax:(505) 334-6170

District IV
 1220 S. St Francis Dr., Santa Fe, NM 87505
 Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 257597

CONDITIONS

| | |
|---|---|
| Operator: Enterprise Field Services, LLC PO Box 4324 Houston, TX 77210 | OGRID: 241602 |
| | Action Number: 257597 |
| | Action Type: [C-141] Release Corrective Action (C-141) |

CONDITIONS

| Created By | Condition | Condition Date |
|------------|-----------|----------------|
| nvelez | None | 12/7/2023 |