

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

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

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

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): nAPP212923819
Contact mailing address: 614 Reilly Ave, Farmington, NM 87401	

Location of Release Source

Latitude **36.551656** Longitude **-107.982185** (NAD 83 in decimal degrees to 5 decimal places)

Site Name Douthit Federal #6 PC	Site Type Natural Gas Gathering Pipeline
Date Release Discovered: 10/19/2021	Serial Number (if applicable): N/A

Unit Letter	Section	Township	Range	County
D	26	27N	11W	San Juan

Surface Owner: State Federal Tribal Private (Name: **Navajo Nation and 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): 5-10 BBLS	Volume Recovered (bbls): None
<input checked="" type="checkbox"/> Natural Gas	Volume Released (Mcf): 1.3 MCF	Volume Recovered (Mcf): None
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units):	Volume/Weight Recovered (provide units)

Cause of Release On August 31, 2021, Enterprise had a release of natural gas from the Douthit Federal #6 PC pipeline. The pipeline was isolated, depressurized, locked and tagged out. No liquids were observed of the ground surface. No residents were affected. No washes or waterways were affected. No emergency services responded. The release was located under a paved road to a solid waste transfer station. After acquisition of proper permits and property access, on October 19, 2021, Enterprise was granted permission to cut the pavement and begin repair and remediation activities. At which time Enterprise determined the release was reportable per NMOCD regulation by the volume of subsurface soil impacted by liquids. Remediation and repairs were completed on November 4, 2021. The final excavation dimensions measured approximately 50 feet long by 40 feet wide by 18 feet deep. Approximately 1,862 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

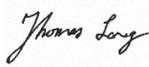
The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled 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: 02-14-2022

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: 04/22/2022

Printed Name: Nelson Velez Title: Environmental Specialist – Adv



CLOSURE REPORT

Property:

**Douthit Federal #6 PC (10/19/21)
Unit Letter D, S26 T27N R11W
San Juan County, New Mexico**

NM EMNRD OCD Incident ID No. NAPP2129253819

February 2, 2022
Ensolum Project No. 05A1226157

Prepared for:

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

Prepared by:

A handwritten signature in blue ink that reads "Rane Deechilly".

Ranee Deechilly
Project Manager

A handwritten signature in blue ink that reads "Kyle Summers".

Kyle Summers
Senior Project Manager

Closure Report
 Enterprise Field Services, LLC
 Douthit Federal #6 PC (10/19/21)
 February 2, 2022



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Closure Report
Enterprise Field Services, LLC
Douthit Federal #6 PC (10/19/21)
February 2, 2022



1.0 INTRODUCTION

1.1 Site Description & Background

Operator:	Enterprise Field Services, LLC / Enterprise Products Operating LLC (Enterprise)
Site Name:	Douthit Federal #6 PC (10/19/21) (Site)
NM EMNRD OCD Incident ID No.	NAPP2129253819
Location:	36.551656° North, 107.982185° West Unit Letter D, Section 26, Township 27 North, Range 11 West San Juan County, New Mexico
Property:	Office of Navajo Lands (adjacent to Navajo Nation Lands)
Regulatory:	New Mexico (NM) Energy, Minerals and Natural Resources Department (EMNRD) Oil Conservation Division (OCD)

On August 31, 2021, a third party notified Enterprise of a possible leak on the Douthit Federal #6 well tie. Enterprise investigated the area and confirmed a pipeline leak. Enterprise subsequently isolated and locked the pipeline out of service. On September 7, 2021, Enterprise initiated activities to repair the pipeline and remediate petroleum hydrocarbon impact. However, Enterprise halted further excavation to obtain approval prior to excavating in the transfer station road. On October 19, 2021, Enterprise resumed excavation activities and determined the release was “reportable” due to the estimated volume of impacted soil. The NM EMNRD OCD was subsequently notified by Enterprise.

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

1.2 Project Objective

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

2.0 CLOSURE CRITERIA

The Site is subject to regulatory oversight by the NM EMNRD OCD. To address activities related to oil and gas releases, the NM EMNRD OCD references NM 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. Ensolum, LLC (Ensolum) utilized information provided by Enterprise, the general site characteristics, and information available from the NM Office of the State Engineer (OSE) and the NM EMNRD OCD imaging database 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 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). One POD (SJ-00077) was identified in an adjacent Public Land Survey System (PLSS) section. The records for this POD indicate a depth to water of 550 feet below grade surface (bgs). This POD is located approximately 0.6 miles east of the Site and located at a higher elevation (6,447 feet) than the Site (6,419 feet) (**Figure A, Appendix B**).

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- Nine cathodic protection wells (CPWs) were identified in the NM EMNRD OCD imaging database within one mile of the Site and in adjacent PLSS sections. The approximate locations of the three closest CPWs are depicted on **Figure B (Appendix B)**. One CPW is associated with the Douthit #262 & #5 oil/gas production wells and is located approximately 0.6 miles southeast of the Site and at a higher elevation (6,456 feet) than the Site, with a reported depth to water of 160 feet bgs. The second CPW is associated with the Douthit Federal #261, #3E, and #4 oil/gas production wells and is located approximately 0.7 miles southeast of the Site and at a higher elevation (6,452 feet) than the Site, with a reported depth to water of 115 feet bgs. The third CPW is associated with the Scott "E" Fed #22-32 and #22-22 oil/gas production wells and is located approximately 0.8 miles north of the Site and at a lower elevation (6,356) than the Site, with reported depth to water of 95 feet bgs. The remaining six CPWs are located over one mile from the Site and have reported depths to water ranging from 90 feet bgs to 180 feet bgs.
- The Site is not located within 300 feet of a NM EMNRD OCD-defined continuously flowing watercourse or significant watercourse (**Figure C, Appendix B**).
- 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. The closest permanent residence is located approximately 1,400 feet south of the Site (**Figure D, Appendix B**).
- No springs, or private domestic fresh water 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 fresh water 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 located 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 located within an area overlying a subsurface mine (**Figure G, Appendix B**).
- The Site is not located within an unstable area.
- Based on information provided by the Federal Emergency Management Agency (FEMA) National Flood Hazard Layer (NFHL) geospatial database the location of the Site is not located within a 100-year floodplain (**Figure H, Appendix B**).

Based on available information, Enterprise estimates the depth to water at the Site to be greater than 50 feet bgs. Applicable closure criteria for soils (below four feet) remaining in place at the Site include:

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Closure Criteria for Soils Impacted by a Release (Tier II)		
Constituent ¹	Method	Limit
Chloride	EPA 300.0 or SM4500 Cl B	10,000 mg/kg
TPH (GRO+DRO+MRO) ²	EPA SW-846 Method 8015	2,500 mg/kg
TPH (GRO+DRO)	EPA SW-846 Method 8015	1,000 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 kilograms (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).

In addition, the closure criteria (reclamation requirements of NMAC 19.15.29.13(D)(1)) for the upper four feet of soils at the Site include:

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

3.0 SOIL REMEDIATION ACTIVITIES

On September 7, 2021, Enterprise initiated activities to remediate petroleum hydrocarbon impact resulting from the release. During the remediation and corrective action activities, Industrial Mechanical Inc (IMI), provided heavy equipment and labor support, while Ensolum provided environmental consulting support.

The final excavation measured approximately 50 feet long and 40 feet wide at the maximum extents. The maximum depth of the excavation measured approximately 18 feet bgs. The lithology encountered during the completion of remediation activities consisted primarily of road base, unconsolidated silty sand, consolidated silty clay, and weathered sandstone.

Approximately 1,862 cubic yards (yd³) of petroleum hydrocarbon affected soils/sandstone and 125 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 the area was then compacted and contoured to the surrounding grade. The road was then reconstructed.

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.

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Ensolum's soil sampling program included the collection of 40 composite soil samples (S-1 through S-40) from the excavation for laboratory analysis. The composite samples were comprised of five aliquots each and represent an estimated 200 square foot (ft²) sample area per guidelines outlined in Section D of 19.15.29.12 NMAC. Hand tools and an excavator, operated by IMI, were utilized to obtain fresh aliquots from each area of the excavation. Regulatory correspondence is provided in **Appendix E**.

First Sampling Event

On October 19, 2021, the first sampling event was performed at the Site. Composite soil samples S-1 (0'-4') and S-2 (0'-4') were collected from the walls adjacent to the road. These samples were collected before the road was removed by excavation.

Second Sampling Event

On October 25, 2021, a second sampling event was performed. The NM EMNRD OCD was notified of the sampling event although no representative was present during sampling activities. Composite soil samples S-3 (4'-11') and S-4 (4'-11') were collected from the end walls of the excavation. Composite soil samples S-5 (11'), S-6 (11'), and S-7 (11') were collected from the floor of the excavation. Composite soil samples S-8 (0'-4'), S-9 (0'-4'), S-10 (4'-11'), S-11 (4'-11'), S-12 (4'-11'), S-13 (4'-11'), S-14 (0'-4'), and S-15 (0'-4') were collected from the sloped walls of the excavation. Subsequent soil analytical results identified COC concentrations that exceeded the NM EMNRD OCD closure criteria for composite soil samples S-5, S-6, S-8, S-10, S-11, and S-13. In response to the exceedances the excavation was deepened and extended to the north and south. Soil associated samples S-5, S-6, S-8, S-10, S-11, and S-13 were removed by excavation and transported to the landfarm. Soil associated with samples S-9, S-12, S-14, and S-15 exhibited COC concentrations below the closure criteria however the soil associated with these samples were removed with the impacted soils due to the sloping requirements and to provide adequate access.

Third Sampling Event

On November 2, 2021, a third sampling event was performed. The NM EMNRD OCD was notified of the sampling event although no representative was present during sampling activities. Composite soil samples S-16 (16'), S-17 (16'), S-18 (16'), S-19 (16'), S-20 (16'), and S-21 (16') were collected from the floor of the excavation. Composite soil samples S-22 (11'-16'), S-23 (0'-4'), S-24 (4'-16'), S-25 (4'-16'), S-26 (4'-16'), S-27 (0'-4'), S-28 (0'-4'), S-29 (4'-11'), S-30 (11'-16'), S-31 (4'-11'), S-32 (4'-16'), S-33 (0'-4'), S-34 (4'-16'), S-35 (4'-16'), S-36 (4'-16'), S-37 (0'-4'), and S-38 (0'-4') were collected from the sloped walls of the excavation. Subsequent soil analytical results identified COC concentrations that exceeded the NM EMNRD OCD closure criteria for soil sample S-16. The excavation was deepened in the vicinity of composite soil sample S-16. Soil associated with sample S-16 was removed by excavation and transported to the landfarm for disposal/remediation.

Fourth Sampling Event

On November 4, 2021, a fourth sampling event was performed. The NM EMNRD OCD was notified of the sampling event although no representative was present during sampling activities. Composite soil samples S-39 (16'-18') and S-40 (16'-18') were collected from the floor and short walls of the deepened excavation to replace soil sample S-16.

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.

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The laboratory analytical results are summarized in **Table 1A** and **Table 1B (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 BTEX, TPH, and chloride laboratory analytical results or laboratory practical quantitation limits (PQLs) / reporting limits (RLs) associated with the composite soil samples (S-1 through S-4, S-7, and S-17 through S-40) to the applicable NM EMNRD OCD closure criteria. The soils associated with composite soil samples S-5, S-6, and S-8 through S-16 were removed from the Site, and therefore are not included in the following discussion.

- The laboratory analytical results for composite soil samples S-17 and S-40 indicate benzene concentrations of 0.16 mg/kg and 0.020 mg/kg, which are less than the applicable New Mexico EMNRD OCD closure criteria of 10 mg/kg. The laboratory analytical results for all other composite soil samples collected from soils remaining at the Site indicate that benzene is not present at concentrations greater than the laboratory PQLs/RLs, which are less than the applicable NM EMNRD OCD closure criteria of 10 mg/kg.
- The laboratory analytical results for composite soil samples S-7, S-17, S-19, S-20, S-21, S-39, and S-40 indicate total BTEX concentrations ranging from 0.74 mg/kg (S-7) to 41 mg/kg (S-17), which are less than the applicable NM EMNRD OCD closure criteria of 50 mg/kg. The laboratory analytical results for all other composite soil samples collected from soils remaining at the Site indicate that total BTEX is not present at concentrations greater than the laboratory PQLs/RLs, which are less than the applicable NM EMNRD OCD closure criteria of 50 mg/kg.
- The laboratory analytical results for composite soil samples S-17, S-19, S-20, S-39, and S-40 indicate combined TPH GRO/DRO concentrations ranging from 6.2 mg/kg (S-40) to 200 mg/kg (S-17), which are less than the applicable New Mexico EMNRD OCD closure criteria of 1,000 mg/kg. The laboratory analytical results for all other composite soil samples collected from soils remaining at the Site indicate combined TPH GRO/DRO is not present at concentrations greater than the laboratory PQLs/RLs, which are less than the applicable New Mexico EMNRD OCD closure criteria of 1,000 mg/kg.
- The laboratory analytical results for composite soil samples S-17, S-19, S-20, S-39, and S-40 indicate combined TPH GRO/DRO/MRO concentrations ranging from 6.2 mg/kg (S-40) to 200 mg/kg (S-17), which are less than the applicable New Mexico EMNRD OCD closure criteria of 2,500 mg/kg. The laboratory analytical results for all other composite soil samples collected from soils remaining at the Site indicate combined TPH GRO/DRO/MRO is not present at concentrations greater than the laboratory PQLs/RLs, which are less than the applicable New Mexico EMNRD OCD closure criteria of 2,500 mg/kg.
- The laboratory analytical results for composite soil samples S-27, S-30, S-35, S-37, and S-38 indicate chloride concentrations ranging from 72 mg/kg (S-30) to 370 mg/kg (S-38), which are less than the applicable New Mexico EMNRD OCD closure criteria of 600 mg/kg or 10,000 mg/kg, depending on the depth of the individual samples. The laboratory analytical results for all other composite soil samples collected from soils remaining at the Site indicate chloride is not present at concentrations greater than the laboratory PQLs/RLs, which are less than the applicable New Mexico EMNRD OCD closure criteria of 10,000 mg/kg.

The laboratory analytical results are summarized in **Table 1A** and **Table 1B (Appendix F)**.

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7.0 RECLAMATION AND REVEGETATION

The excavation was backfilled with imported fill and was then contoured to surrounding grade. The road was then reconstructed.

8.0 FINDINGS AND RECOMMENDATION

- Forty composite soil samples were collected from the Site. Based on laboratory analytical results, no benzene, BTEX, chloride, or combined TPH GRO/DRO/MRO exceedances were identified in the soils remaining at the Site.
- Approximately 1,862 yd³ of petroleum hydrocarbon affected soils/sandstone and 125 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 the area was then compacted and contoured to the surrounding grade. The road was then reconstructed.

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.

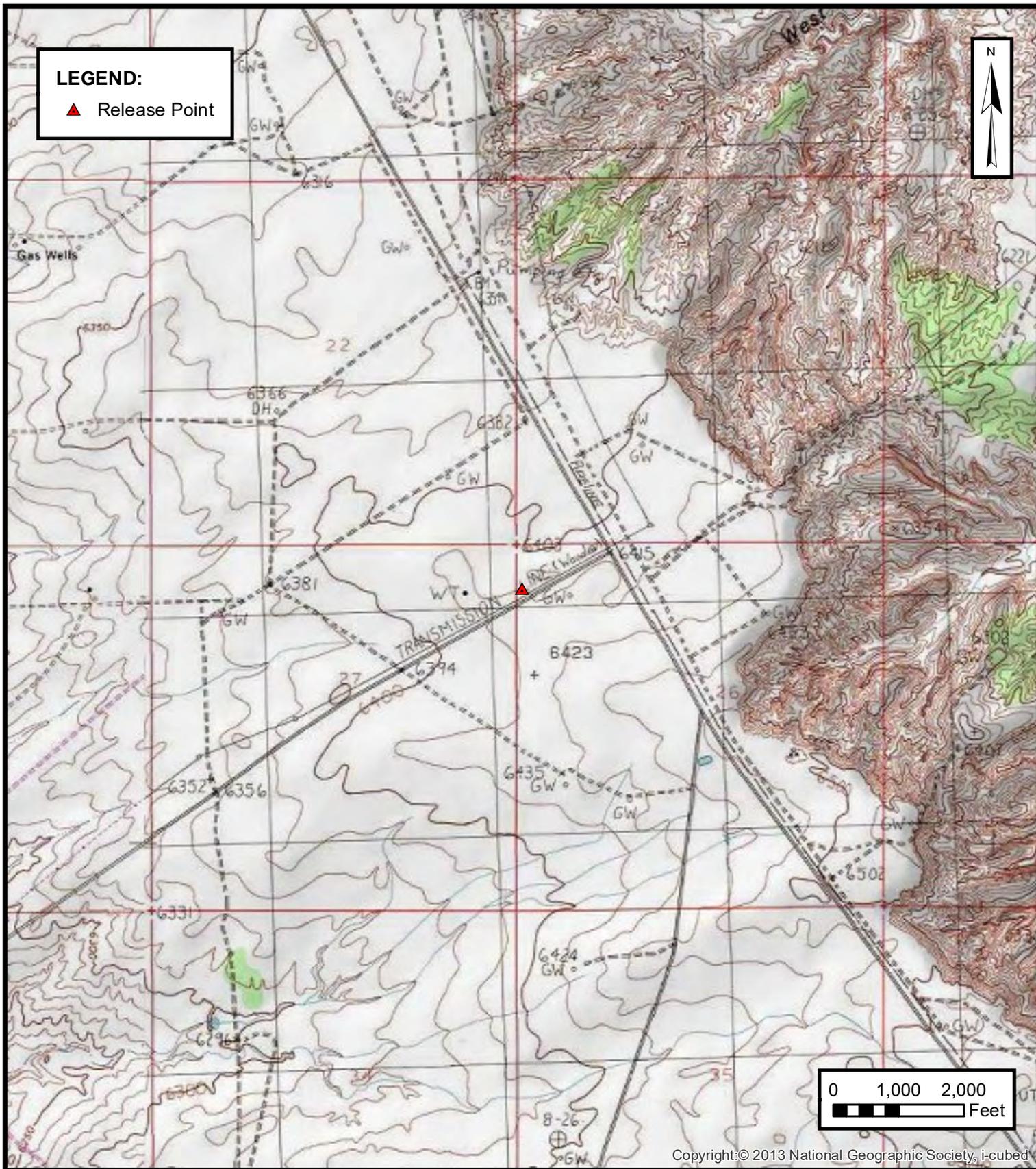
9.3 Reliance

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

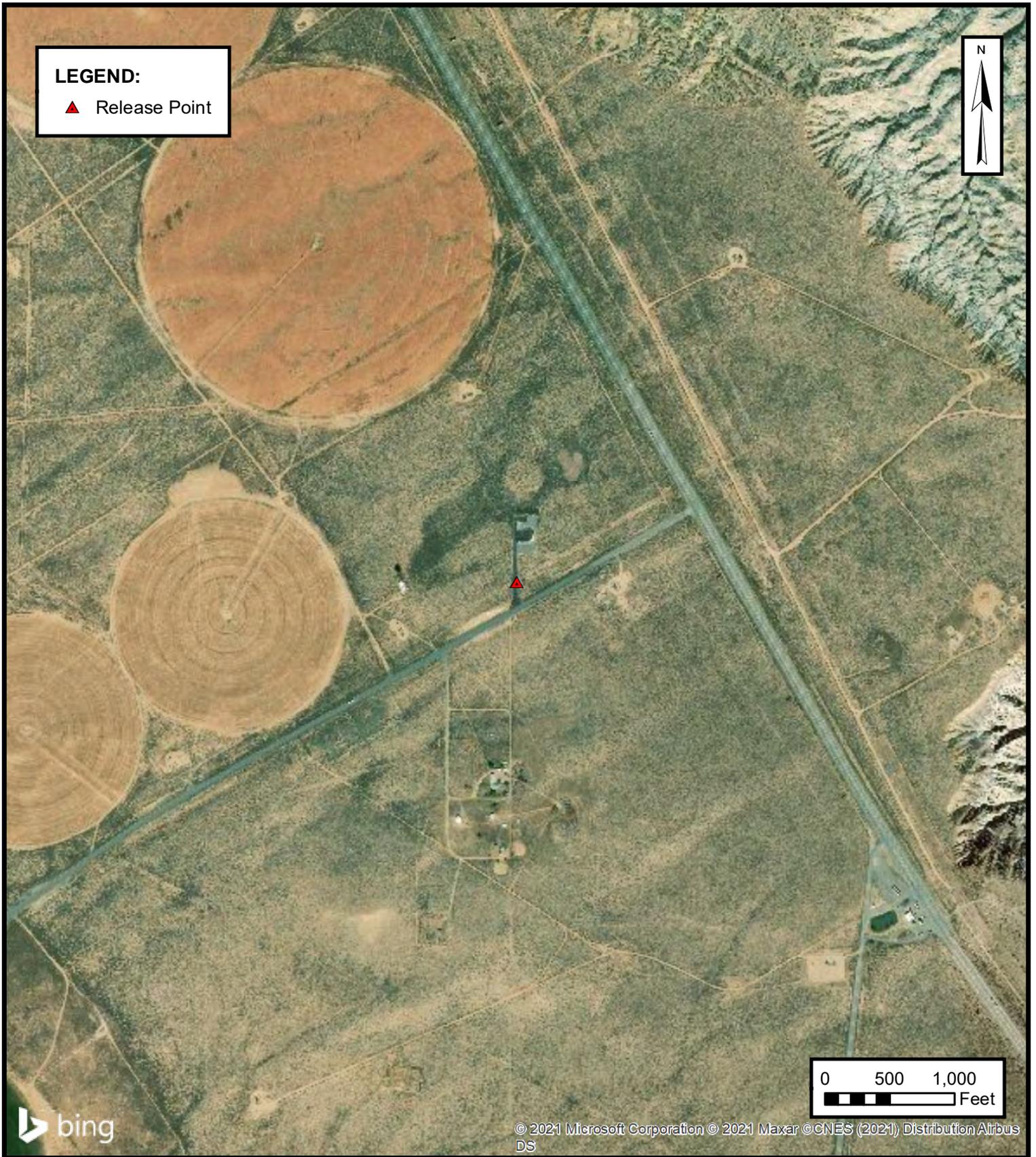
Figures



ENSOLUM
Environmental & Hydrogeologic Consultants

TOPOGRAPHIC MAP
 ENTERPRISE FIELD SERVICES, LLC
 DOUTHIT FEDERAL #6 PC (10/19/21)
 Unit Letter D, S26 T27N R11W, San Juan County, New Mexico
 36.551656° N, 107.982185° W
 PROJECT NUMBER: 05A1226157

FIGURE
1



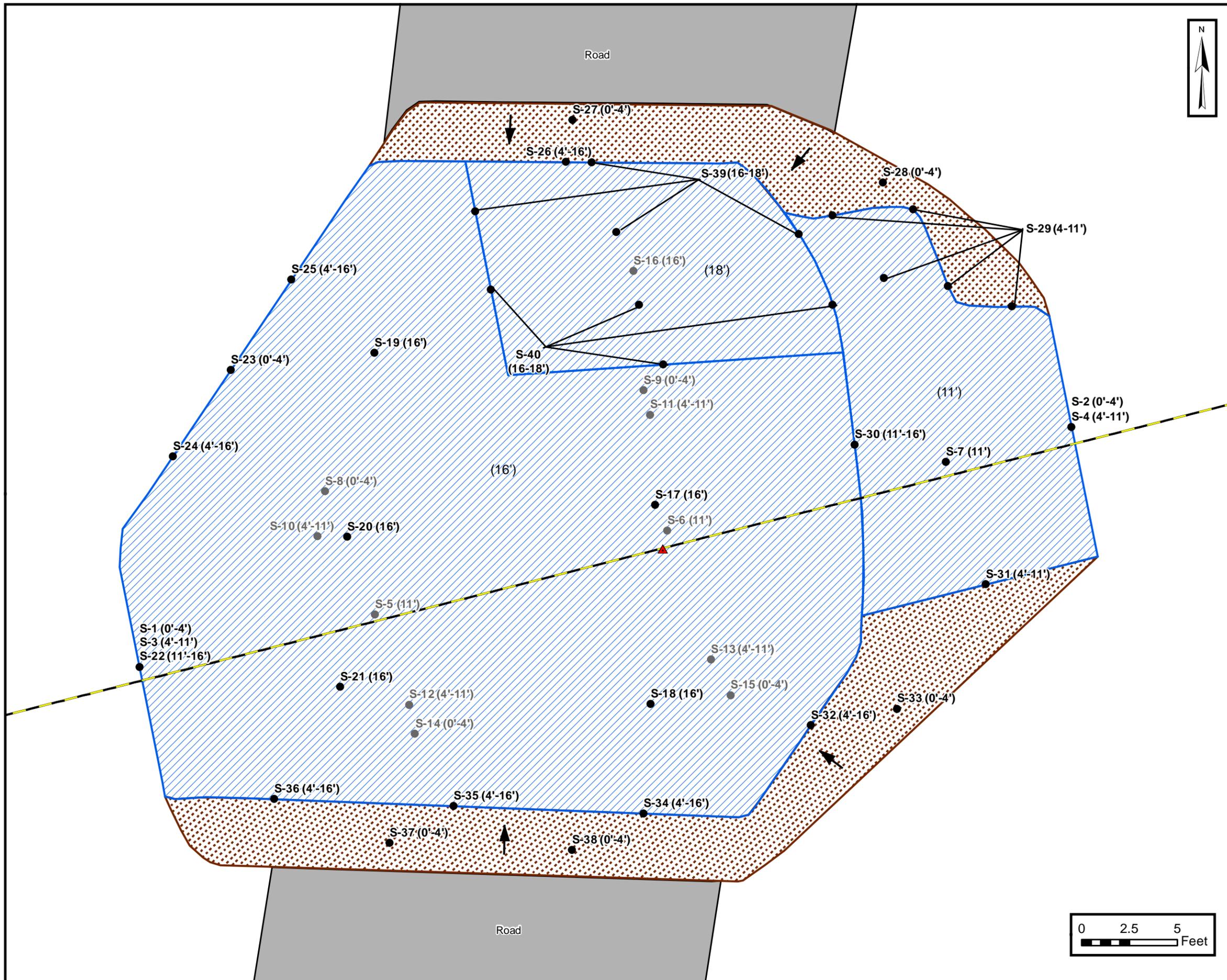
ENSOLUM
Environmental & Hydrogeologic Consultants

SITE VICINITY MAP

ENTERPRISE FIELD SERVICES, LLC
DOUTHIT FEDERAL #6 PC (10/19/21)
Unit Letter D, S26 T27N R11W, San Juan County, New Mexico
36.551656° N, 107.982185° W

PROJECT NUMBER: 05A1226157

FIGURE
2



LEGEND:

- ▲ Release Point
- Composite Soil Sample Location
- Composite Soil Sample Location Removed by Excavation
- Extent of Excavation
- Sloped Excavation Wall
- Pipeline

NOTES:
 All Depths Are Listed in Feet BGS.
 Sample IDs in gray denote sampling location removed by excavation.



SITE MAP WITH SOIL SAMPLE LOCATIONS

ENTERPRISE FIELD SERVICES, LLC
 DOUTHIT FEDERAL #6 PC (10/19/21)

Unit Letter D, S26 T27N R11W, San Juan County, New Mexico
 36.551656° N, 107.982185° W

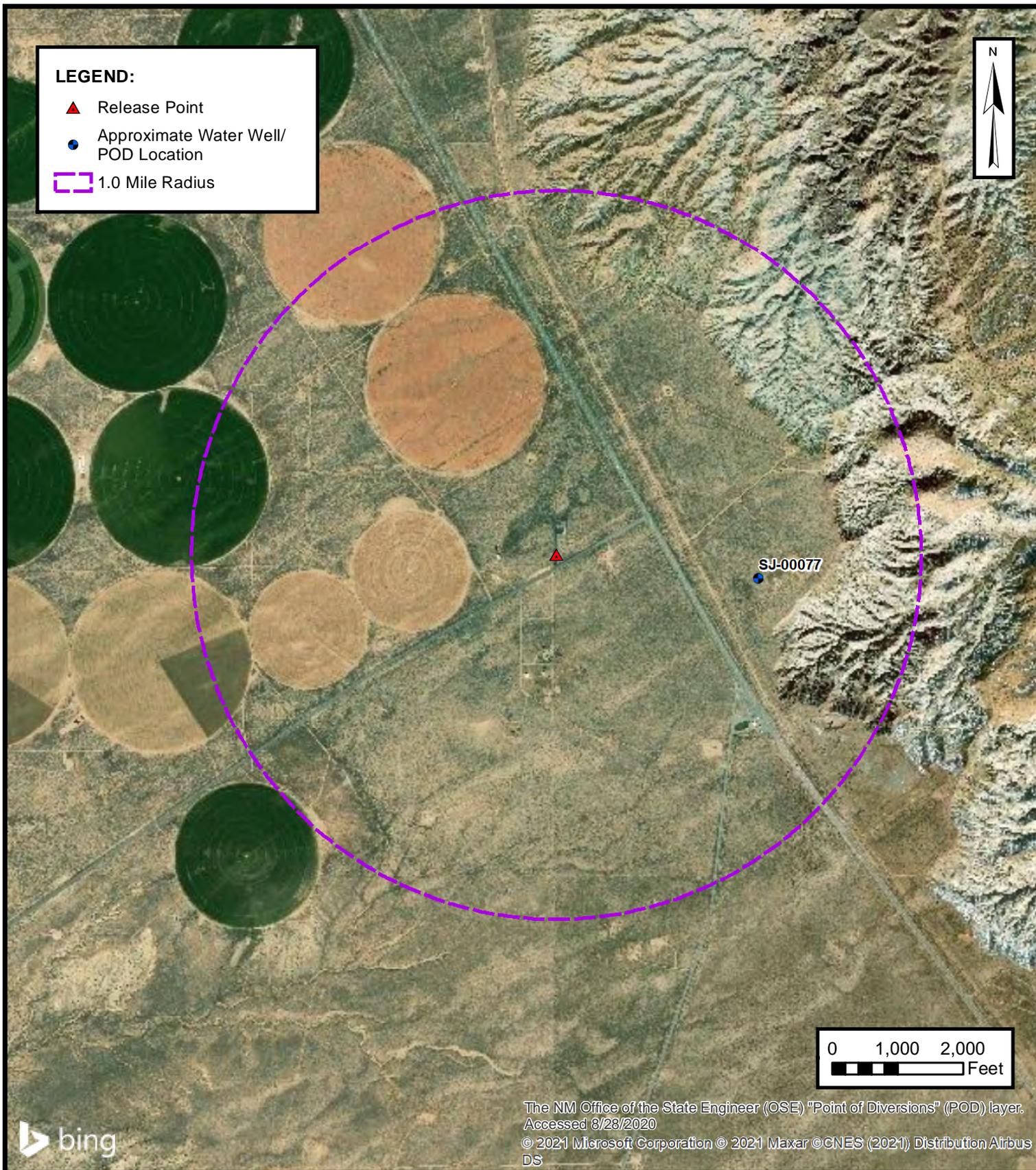
FIGURE 3

PROJECT NUMBER: 05A1226157



APPENDIX B

Siting Figures and Documentation



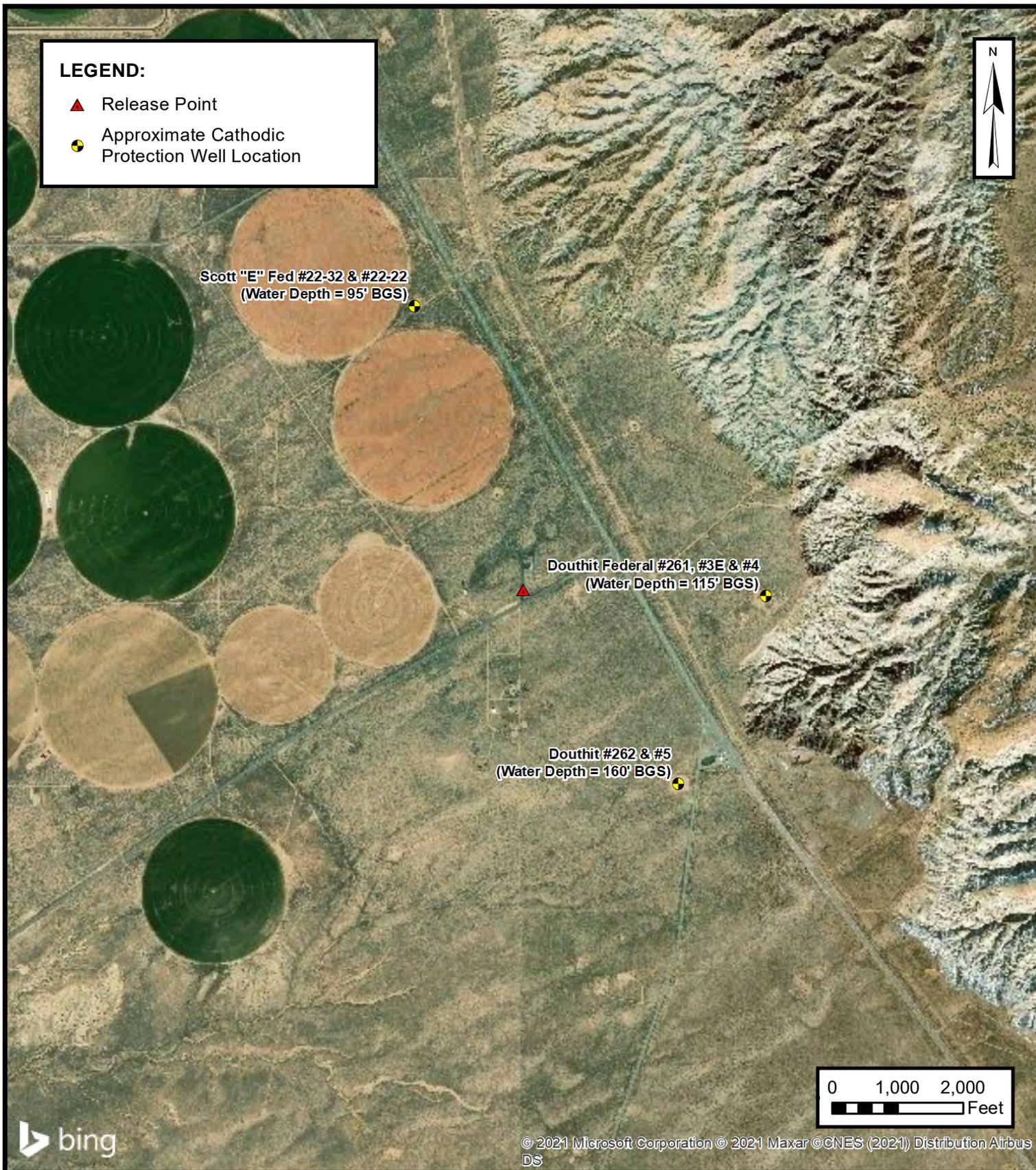
1.0 MILE RADIUS WATER WELL/ POD LOCATION MAP

ENTERPRISE FIELD SERVICES, LLC
 DOUTHIT FEDERAL #6 PC (10/19/21)
 Unit Letter D, S26 T27N R11W, San Juan County, New Mexico
 36.551656° N, 107.982185° W

PROJECT NUMBER: 05A1226157

**FIGURE
 A**



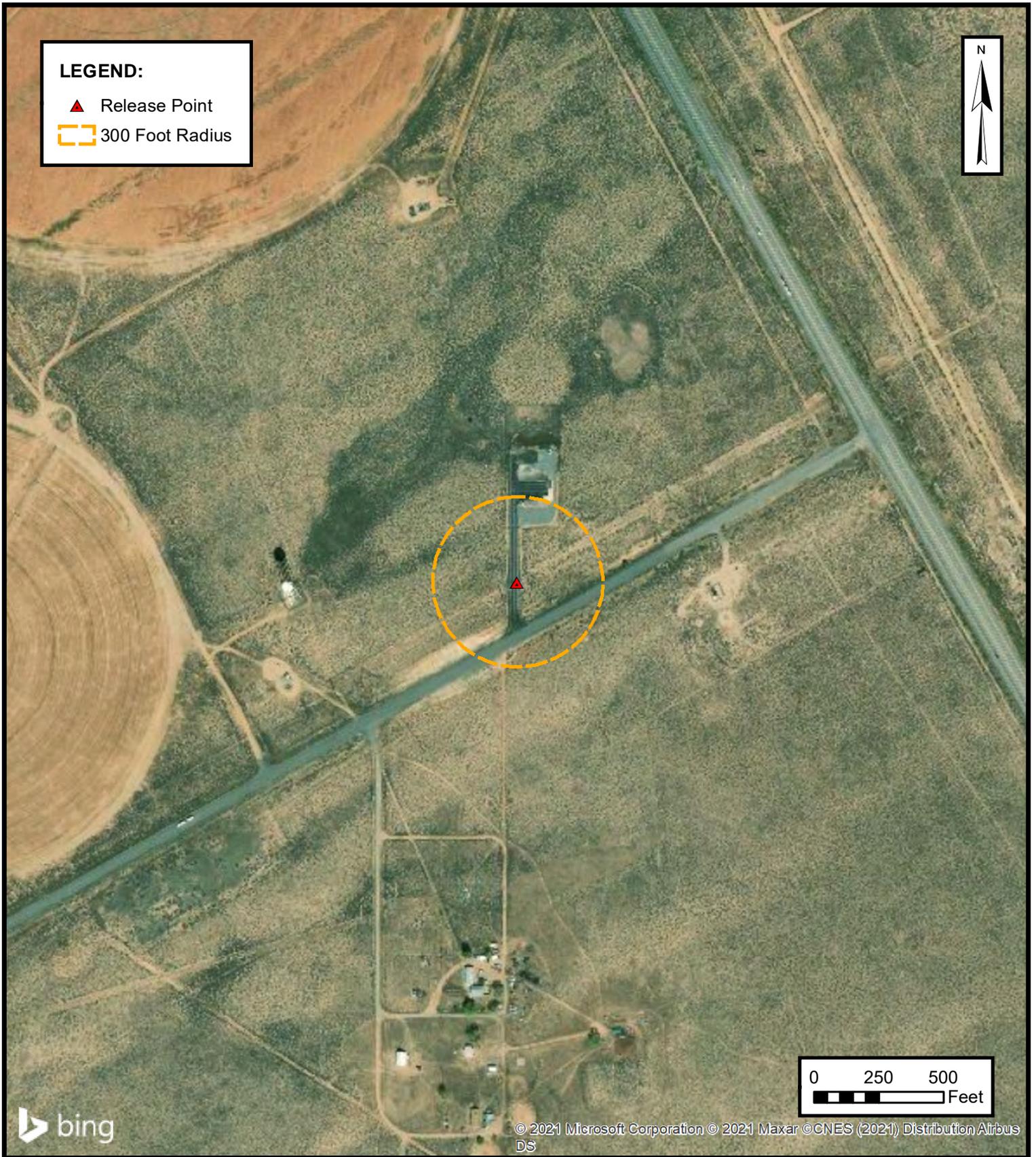


**CATHODIC PROTECTION WELL RECORDED
DEPTH TO WATER**

ENTERPRISE FIELD SERVICES, LLC
DOUTHIT FEDERAL #6 PC (10/19/21)
Unit Letter D, S26 T27N R11W, San Juan County, New Mexico
36.551656° N, 107.982185° W

PROJECT NUMBER: 05A1226157

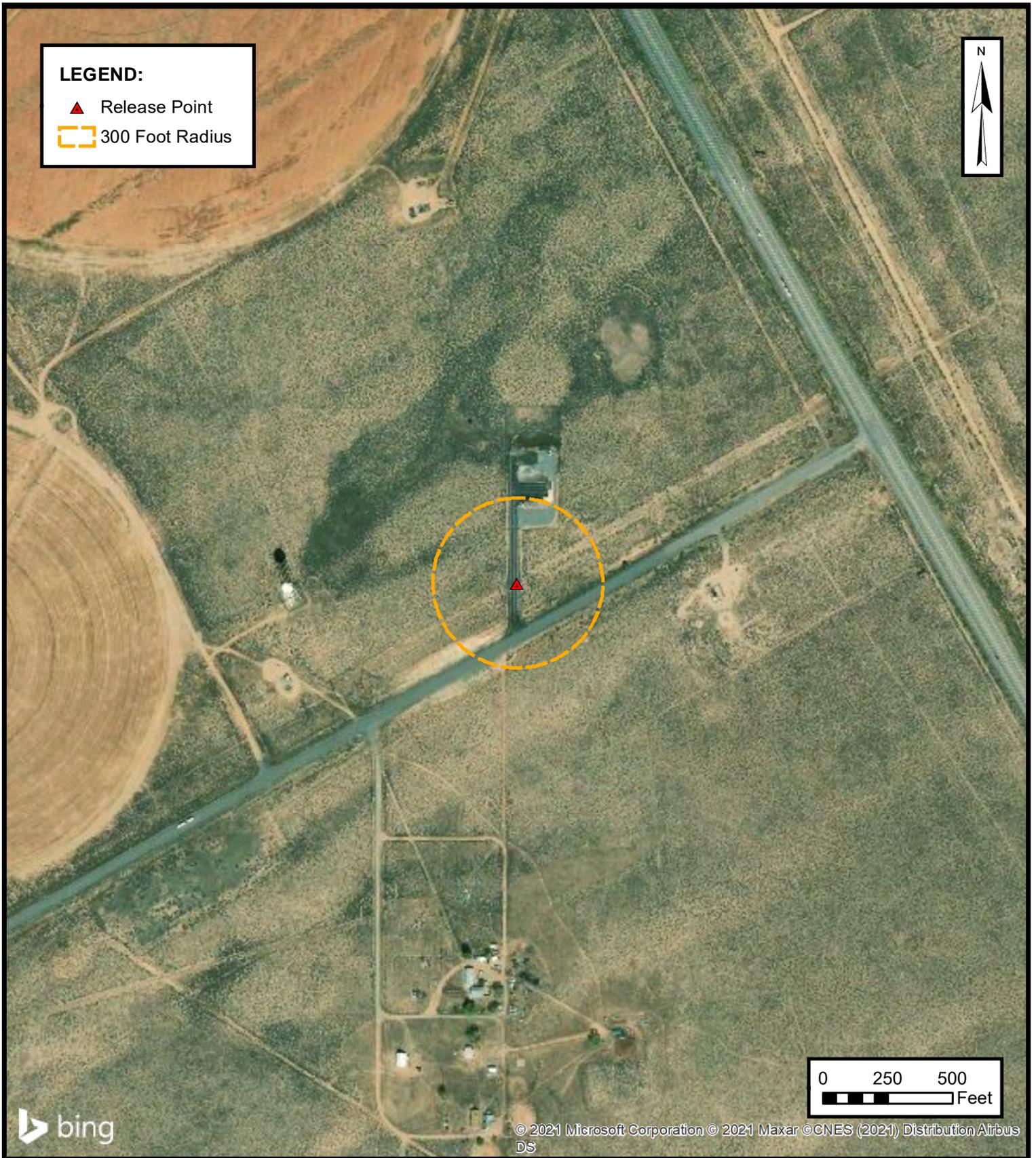
**FIGURE
B**



ENSOLUM
Environmental & Hydrogeologic Consultants

**300 FOOT RADIUS
WATERCOURSE AND DRAINAGE IDENTIFICATION**
 ENTERPRISE FIELD SERVICES, LLC
 DOUTHIT FEDERAL #6 PC (10/19/21)
 Unit Letter D, S26 T27N R11W, San Juan County, New Mexico
 36.551656° N, 107.982185° W
 PROJECT NUMBER: 05A1226157

**FIGURE
C**

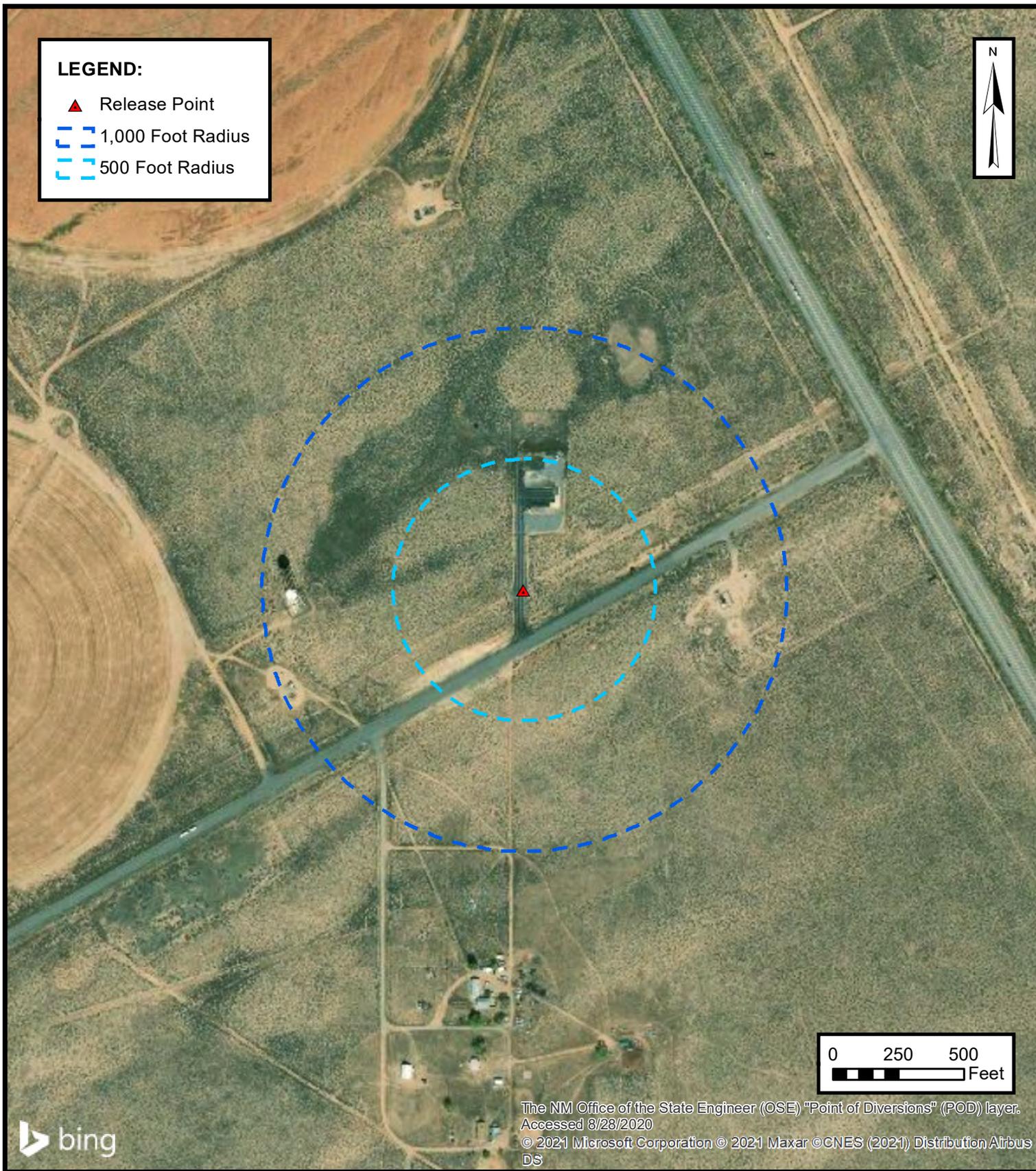


ENSOLUM
Environmental & Hydrogeologic Consultants

**300 FOOT RADIUS
OCCUPIED STRUCTURE IDENTIFICATION**
 ENTERPRISE FIELD SERVICES, LLC
 DOUTHIT FEDERAL #6 PC (10/19/21)
 Unit Letter D, S26 T27N R11W, San Juan County, New Mexico
 36.551656° N, 107.982185° W

PROJECT NUMBER: 05A1226157

**FIGURE
D**



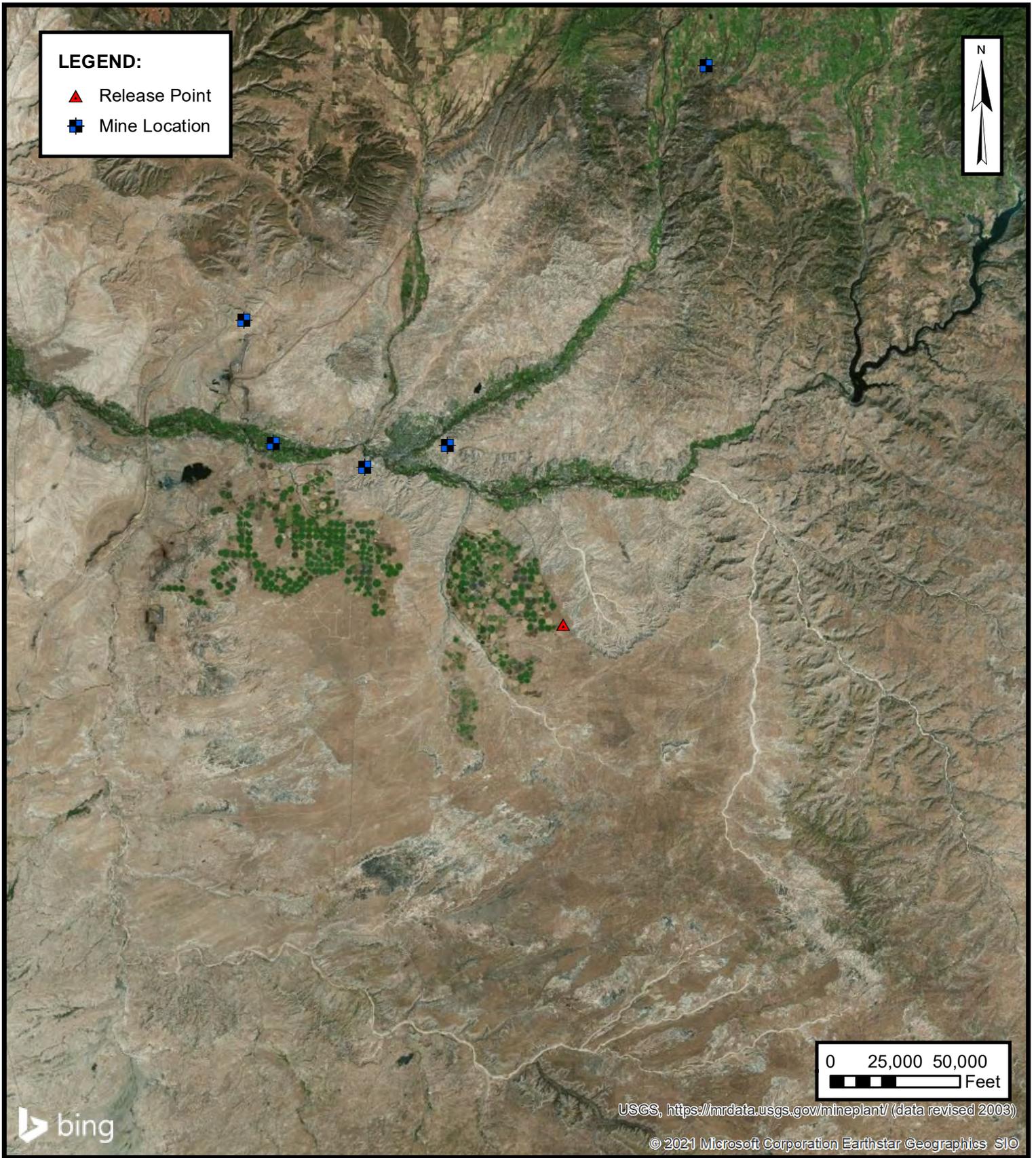
ENSOLUM
 Environmental & Hydrogeologic Consultants

WATER WELL AND NATURAL SPRING LOCATION

ENTERPRISE FIELD SERVICES, LLC
 DOUTHIT FEDERAL #6 PC (10/19/21)
 Unit Letter D, S26 T27N R11W, San Juan County, New Mexico
 36.551656° N, 107.982185° W

PROJECT NUMBER: 05A1226157

FIGURE
E



ENSOLUM
Environmental & Hydrogeologic Consultants

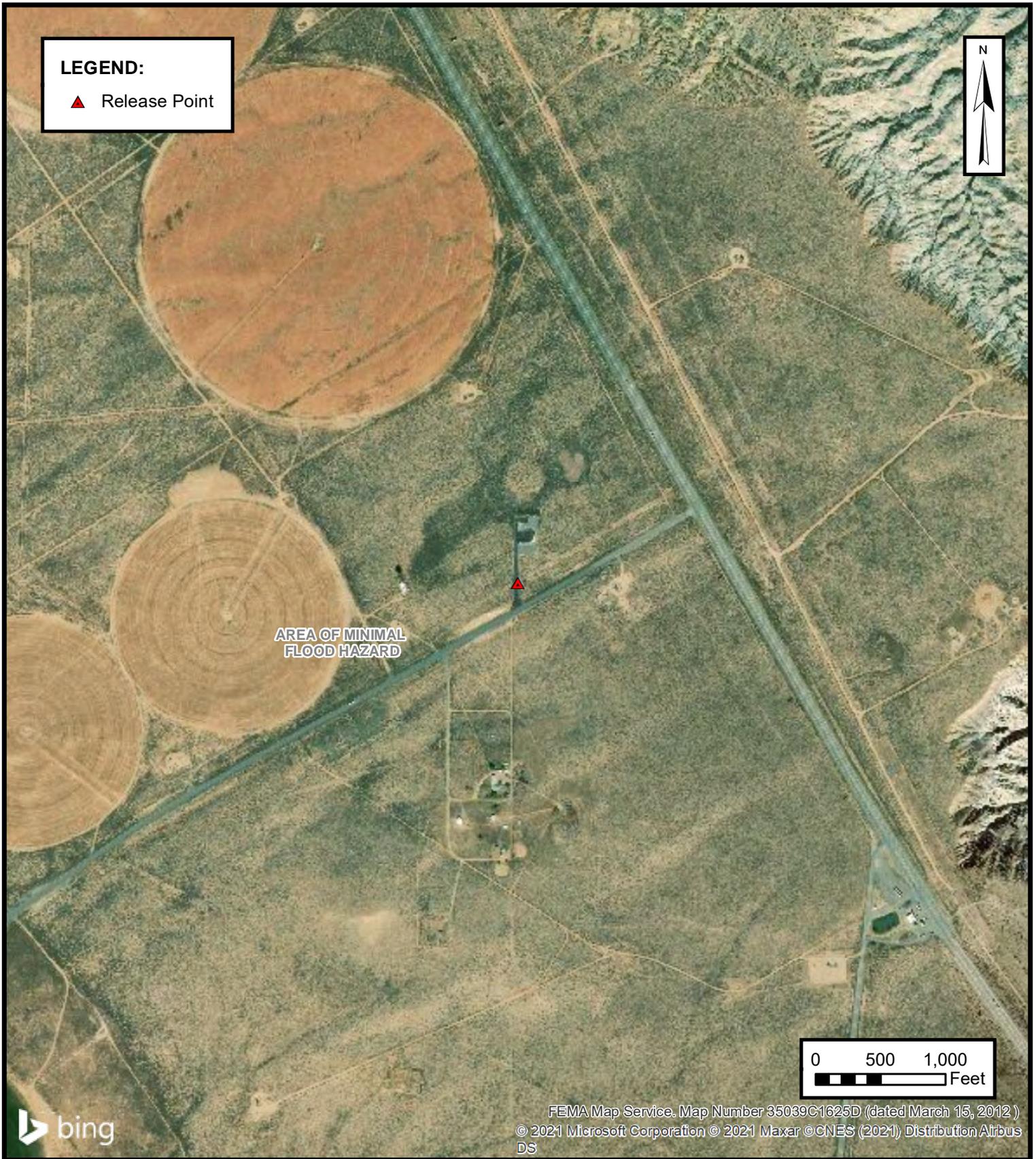
MINES, MILLS AND QUARRIES

ENTERPRISE FIELD SERVICES, LLC
 DOUTHIT FEDERAL #6 PC (10/19/21)
 Unit Letter D, S26 T27N R11W, San Juan County, New Mexico
 36.551656° N, 107.982185° W

PROJECT NUMBER: 05A1226157

FIGURE

G



ENSOLUM
 Environmental & Hydrogeologic Consultants

100-YEAR FLOOD PLAIN MAP

ENTERPRISE FIELD SERVICES, LLC
 DOUTHIT FEDERAL #6 PC (10/19/21)
 Unit Letter D, S26 T27N R11W, San Juan County, New Mexico
 36.551656° N, 107.982185° W

PROJECT NUMBER: 05A1226157

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 00077	SJ	SJ	SJ	3	1	2	26	27N	11W	233964	4049155*	1102	550	552

Average Depth to Water: **550 feet**

Minimum Depth: **550 feet**

Maximum Depth: **550 feet**

Record Count: 1

PLSS Search:

Section(s): 26, 22, 23, 24, 25, 27, 34, 35, 36
Township: 27N
Range: 11W

*UTM location was derived from PLSS - see Help

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.

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

Operator Meridian Oil Co Location: Unit Sec. 26 Twp 27 Rng 11

Name of Well/Wells. or Pipeline Serviced Douthit #262 + #5

Elevation Completion Date 1-19-95 Total Depth Land Type F

Casing Strings, Sizes, Types & Depths 100' of 8" PVC casing

If Casing Strings are cemented, show amounts & types used yes
21 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. 160' - Fresh

Depths gas encountered: None

Ground bed depth with type & amount of coke breeze used: 447'
6200 lbs of Loresco Coke

Depths anodes placed: 11-430, 420, 370, 300, 290, 260, 270, 260, 250, 230, 220, 210, 200, 190, 180 ⁽¹⁵⁾

Depths vent pipes placed: Surface to 447'

Vent pipe perforations: From 147' to 447'

Remarks:

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R JAN 11 1996

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.

639

30-045-06284
30-045-06284

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

261-30-045-28403

Operator Meridian Location: Unit E Sec. 26 Twp 27 Rng 11

Name of Well/Wells or Pipeline Serviced _____

DOUTHIT Federal #261, #3E, AND #4 2203W

Elevation _____ Completion Date 11/5/91 Total Depth 440 Land Type F

Casing Strings, Sizes, Types & Depths 100' of 8" PVC

If Casing Strings are cemented, show amounts & types used Used 23

SACK TO CEMENT.

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 115'

Depths gas encountered: NONE

Ground bed depth with type & amount of coke breeze used: Drilled To 440'

Used 128 SACKS OF ASBURY AND 1 SACK OF LOTESCO (G500")

Depths anodes placed: 425', 415', 405', 395', 385', 375', 365', 355', 270', 260', 220', + 210'

Depths vent pipes placed: SURFACE TO 440'

Vent pipe perforations: BOTTOM 320'

Remarks: _____

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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)					
2263W	DOUTHIT Federal #261, #3E, #4					
ID #	TOTAL	VOLTS	AMPS	- OHMS	DATE	NAME
N 399		11.9	31.2	.38	11/5/91	John L. Moss

REMARKS (notes for construction log)

Drilled TO 440'. Installed 440' of Vent Pipe, WITH THE BOTTOM 320' Perforated. Driller Reported WATER AT 115'. 100' of 8" PVC CASING WAS SET, AND CEMENTED WITH 23 SACKS.

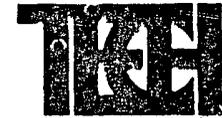
DEPTH	LOG ANODE	ANODE *	NO. COKE	FULLY COK'D												
100			295	1.3		490			685							
105			300	1.2		495			690							
110			305	1.3		500			695							
115	2.4		310	1.3		505			700							
120	2.6		315	1.6		510			ANODE	DEPTH	NO.	FULLY				
125	2.6		320	1.6		515			*		COKE	COK'D				
130	2.5		325	1.6		520			1	425	2.4	6.6				
135	1.8		330	1.0		525			2	415	2.5	7.5				
140	1.2		335	1.0		530			3	405	2.7	7.7				
145	1.1		340	2.0		535			4	395	2.8	8.4				
150	1.1		345	2.3		540			5	385	2.7	8.0				
155	2.2		350	2.4		545			6	375	2.5	8.1				
160	1.8		355	2.6	8	550			7	365	2.4	8.4				
165	1.4		360	2.4		555			8	355	2.6	7.8				
170	1.0		365	2.4	7	560			9	370	2.3	7.0				
175	.7		370	2.5		565			10	260	2.3	7.5				
180	.8		375	2.4	6	570			11	220	2.5	7.9				
185	.7		380	2.3		575			12	210	2.5	8.2				
190	1.3		385	2.6	5	580			13							
195	2.3		390	2.4		585			14							
200	2.2		395	2.6	4	590			15							
205	2.3		400	2.5		595			16							
210	2.5	12	405	2.6	3	600			17							
215	2.6		410	2.7		605			18							
220	2.5	11	415	2.5	2	610			19							
225	2.1		420	2.2		615			20							
230	1.9		425	2.3	1	620			21							
235	1.3		430	2.4		625			22							
240	1.3		435	2.5		630			23							
245	2.2		440			635			24							
250	2.2		445			640			25							
255	2.2		450			645			26							
260	2.3	10	455			650			27							
265	2.4		460			655			28							
270	2.3	9	465			660			29							
275	2.0		470			665			30							
280	1.9		475			670										
285	1.8		480			675										
290	1.7		485			680										

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

API WATER ANALYSIS REPORT FORM

Laboratory No. 25-91108-1A

Company <u>MERIDIAN</u>		Sample No.	Date Sampled <u>11-4-91</u>	
Field <u>2263W</u>	Legal Description <u>NE-26-27-11</u>		County or Parish <u>SAN JUAN</u>	State <u>NM</u>
Lease or Unit	Well <u>DOUBT FEO #261, 3E6+4</u>	Depth	Formation	Water, B/D
Type of Water (Produced, Supply, etc.) <u>PRODUCED</u>		Sampling Point		Sampled By <u>J. L. MOSS</u>



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

DISSOLVED SOLIDS

CATIONS	mg/l	me/l
Sodium, Na (calc.)	_____	_____
Calcium, Ca	_____	_____
Magnesium, Mg	_____	_____
Barium, Ba	_____	_____

OTHER PROPERTIES

pH	<u>8.61</u>
Specific Gravity, 60/60 F.	_____
Resistivity (ohm-meters) <u>73</u> F.	<u>7.9</u>
_____	_____
_____	_____

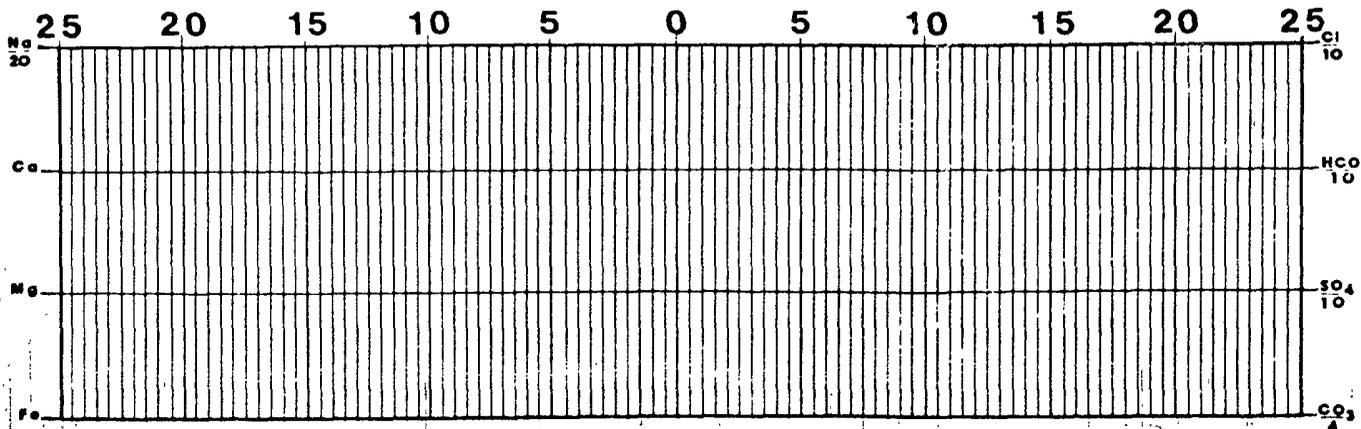
Total Dissolved Solids (calc.) _____

ANIONS

Chloride, Cl	_____	_____
Sulfate, SO ₄	_____	_____
Carbonate, CO ₃	_____	_____
Bicarbonate, HCO ₃	_____	_____
_____	_____	_____
_____	_____	_____

Iron, Fe (total)	_____
Sulfide, as H ₂ S	_____

REMARKS & RECOMMENDATIONS: TOO MUCH
SUSPENDED SOLIDS TO ANALYZE
ATTN: C.W. DONOHUE



Date Received <u>11-8-91</u>	Preserved	Date Analyzed	Analyzed By <u>L.H.</u>
---------------------------------	-----------	---------------	----------------------------

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

Operator Meridian Location: Unit NE Sec. 26 Twp 27 Rng 11

Name of Well/Wells or Pipeline Serviced _____

DOUTHIT Federal #261, #3E, AND #4 1203W

Elevation _____ Completion Date 11/5/91 Total Depth 440 Land Type F

Casing Strings, Sizes, Types & Depths 100' of 8" PVC

If Casing Strings are cemented, show amounts & types used used 23
SACK TO CEMENT.

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 115'

Depths gas encountered: NONE

Ground bed depth with type & amount of coke breeze used: Drilled To 440'
Used 128 SACKS OF ASBURY AND 1 SACK OF LOIESCO (6500")

Depths anodes placed: 425', 415', 405', 395', 385', 375', 365', 355', 270', 260', 220', + 210'

Depths vent pipes placed: SURFACE TO 440'

Vent pipe perforations: BOTTOM 320'

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FEB 24 1992

Remarks: _____

OIL CON. DIV.
DIST. 2

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)					
2263W	DOUTHIT Federal #261, #3E, #4					
NO #	TOTAL	VOLTS	AMPS	OHMS	DATE	NAME
N 399		11.9	31.2	.38	11/5/91	JOHN L. MOSS

REMARKS (notes for construction log)

Drilled to 440'. Installed 440' of Vent Pipe, with the bottom 320' perforated. Driller reported water at 115'. 100' of 8" PVC casing was set, and cemented with 23 sacks.

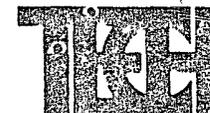
DEPTH	LOG ANODE	ANODE #										
100			295	1.3		490			685			
105			300	1.2		495			690			
110			305	1.3		500			695			
115	2.4		310	1.8		505			700			
120	2.6		315	1.6		510			ANODE	DEPTH	NO	FULLY
125	2.6		320	1.6		515			*		COKE	COK' D
130	2.5		325	1.6		520			1	425	2.4	6.6
135	1.8		330	1.0		525			2	415	2.5	7.5
140	1.2		335	1.0		530			3	405	2.7	7.7
145	1.1		340	2.0		535			4	395	2.8	8.4
150	1.1		345	2.3		540			5	385	2.7	8.0
155	2.2		350	2.4		545			6	375	2.5	8.1
160	1.8		355	2.6	8	550			7	365	2.4	8.4
165	1.4		360	2.4		555			8	355	2.6	7.8
170	1.0		365	2.4	7	560			9	370	2.3	7.0
175	.7		370	2.5		565			10	260	2.3	7.5
180	.8		375	2.4	6	570			11	220	2.5	7.9
185	.7		380	2.3		575			12	210	2.5	8.2
190	1.3		385	2.6	5	580			13			
195	2.3		390	2.4		585			14			
200	2.2		395	2.6	4	590			15			
205	2.3		400	2.5		595			16			
210	2.5	12	405	2.6	3	600			17			
215	2.6		410	2.7		605			18			
220	2.5	11	415	2.5	2	610			19			
225	2.1		420	2.2		615			20			
230	1.9		425	2.3	1	620			21			
235	1.3		430	2.4		625			22			
240	1.3		435	2.5		630			23			
245	2.2		440			635			24			
250	2.2		445			640			25			
255	2.2		450			645			26			
260	2.3	10	455			650			27			
265	2.4		460			655			28			
270	2.3	9	465			660			29			
275	2.0		470			665			30			
280	1.9		475			670						
285	1.8		480			675						
290	1.7		485			680						

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

API WATER ANALYSIS REPORT FORM

Laboratory No. 25-91108-1A

Company MERIDIAN		Sample No.		Date Sampled 11-4-91	
Field 2263W		Legal Description NE-26-27-11		County or Parish SAN JUAN	
Lease or Unit		Well DONUTTE FED #261, #3E & #4		Depth	
Type of Water (Produced, Supply, etc.) PRODUCED		Sampling Point		Formation	
				Water, B/D	
				Sampled 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.)	_____	_____
Calcium, Ca	_____	_____
Magnesium, Mg	_____	_____
Barium, Ba	_____	_____
_____	_____	_____
_____	_____	_____

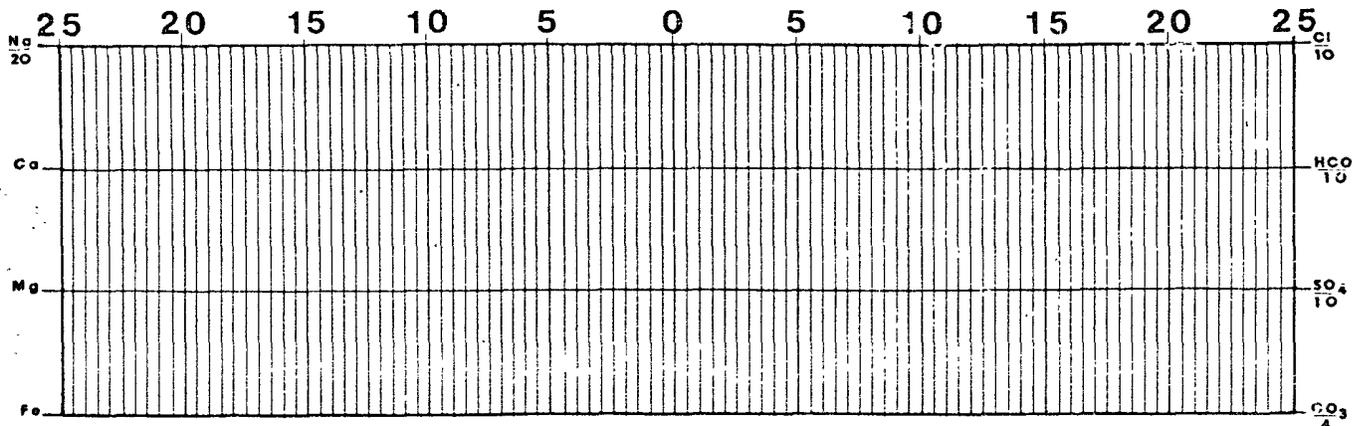
OTHER PROPERTIES

pH	8.21
Specific Gravity, 60/60 F.	_____
Resistivity (ohm-meters) 73 F.	7.9
_____	_____
_____	_____
Total Dissolved Solids (calc.)	_____
_____	_____
Iron, Fe (total)	_____
Sulfide, as H ₂ S	_____

ANIONS

Chloride, Cl	_____	_____
Sulfate, So ₄	_____	_____
Carbonate, CO ₃	_____	_____
Bicarbonate, HCO ₃	_____	_____
_____	_____	_____
_____	_____	_____

REMARKS & RECOMMENDATIONS: TOO MUCH
SUSPENDED SOLID TO ANALYZE
ATTN: C.W. DONUTTE



Date Received 11-8-91	Preserved	Date Analyzed	Analyzed By F.H.
--------------------------	-----------	---------------	---------------------

32- 30-045-28257

22- 30-045-30898

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

(Submit 3 copies to OCD Aztec Office)

Operator Bonneville Fuels Corp. Location: Unit _____ Sec. 22 Twp 27 Rng 11
Name of Well/Wells and Pipeline Serviced Scott "E" Fed. #22-32 + #22-22

Elevation ? Completion Date 5-14-91 Total Depth 300' Land Type* F

Casing, Sizes, Types & Depths PVC Casing 8" I.D., 8 5/8" O.D.,
Schedule 40, B.E. to 25' Deep.

If Casing is cemented, show amounts & types used NA-None

If Cement or Bentonite Plugs have been placed, show depths & amounts used
NA-None

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OIL CON. DIV

Depths & thickness of water zones with description of water DIST. 3 possible:
Fresh, Clear, Salty, Sulphur, Etc. First + only water (clear) streak
at 95 Foot Depth.

Depths gas encountered: NA-None

Type & amount of coke breeze used: CARBO 40, 99.9% Carbon, 1,500 LBS,

Depths anodes placed: 200', 210', 220', 230', 240' and 250' Deep.

Depths vent pipes placed: 0' to 300' Deep.

Vent pipe perforations: Laser Cut Slots from 100' to 300' Deep.

Remarks: Solid 1" diameter PVC (vent) pipe from 0' to 100'
Deep.

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.

DATA SHEET NO. One (1)

COMPANY BONNEVILLE FUELS CORP JOB No. 751-00118 DATE: 5-14-91
 WELL: SCOTT "E" FED. #22-32 PIPELINE: _____
 LOCATION: SEC 22 TWP. 27 RGE. 11 CO. SAN JUAN STATE NM
 ELEV. _____ FT: ROTARY FT: CABLE TOOL FT: CASING 25' FT.
 GROUND BED: DEPTH 300 FT. DIA. 6" IN. GAS CARBO 40 LBS. ANODES LADA STRING

DEPTH, FT.	DRILLER'S LOG	EXPLORING ANODE TO STRUCTURE			NO COKE	WITH COKE	ANODE NO.	DEPTH, TOP OF ANODES
		E	I	R	I	I		
150	FIRST WATER 95'							
150	SANDY SHALE		4.8					
155			4.1					
160			4.4					
165	SHALE		4.7					
170			4.8					
175			4.9					
180			5.3					
185			4.9					
190			5.0					
195			4.5					
200			4.6					200
205			4.5					
210			4.3					
215			4.0					
220			3.8					
225			3.8					
230			3.5					
235			3.7					
240	SANDY SHALE		3.5					
245			4.0					
250			3.9					250
255			4.3					
260			4.1					
265	SHALE		4.4					
270			3.9					
275			4.4					
280	SAND		4.2					
285			4.2					
290			4.1					
295			3.8					
300	T-D. 300'							

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 JUN 7 1991
 OIL CON. DIV.,
 DIST. 3

GROUND BED RESISTANCE: (1) VOLTS 12.43 - AMPS 16.28 - 0.76 OHMS
 (2) VIBROGROUND 76 OHMS

30-045-28516

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

(Submit 3 copies to OCD Aztec Office)

Operator Bonnerville Fuels Corp. Location: Unit NE Sec. 23 Twp 27 Rng 11

Name of Well/Wells or Pipeline Serviced Scott "E" Federal #23-42

Elevation 6084 Completion Date 5/21/91 Total Depth 300' Land Type* F

Casing, Sizes, Types & Depths NA-None

If Casing is cemented, show amounts & types used NA-None

If Cement or Bentonite Plugs have been placed, show depths & amounts used NA-None

RECEIVED
JUN 7 1991

OIL CON. DIV.

Depths & thickness of water zones with description of water ^{DIST.} if possible:

Fresh, Clear, Salty, Sulphur, Etc. First & only water (clear) streak at 90' Depth

Depths gas encountered: NA-None

Type & amount of coke breeze used: Woresco SW-99.9% Carbon = 1800 LBS,

Depths anodes placed: 185', 195', 205', 215', 225' & 235'

Depths vent pipes placed: 0-300' Deep, 0-100' Deep = Solid 1" dia PVC

Vent pipe perforations: Laser Cut Slots from 100' to 300' Deep

Remarks: _____

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.

30-045-28231

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

Operator Bonneville Fuels Corp. Location: Unit Sec. 24 Twp 27 Rng 11

Name of Well/Wells or Pipeline Serviced Fullerton Fed, 24-32

Elevation Completion Date 5-20-91 Total Depth 300' Land Type* F

Casing, Sizes, Types & Depths NA-None

If Casing is cemented, show amounts & types used NA-None

If Cement or Bentonite Plugs have been placed, show depths & amounts used NA-None

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Depths & thickness of water zones with description of water ^{DIST. 2} if possible:

Fresh, Clear, Salty, Sulphur, Etc. First & only clear water streak at 180' depth.

Depths gas encountered: NA-None

Type & amount of coke breeze used: Loresco SW 99.9% Carbon = 1,100 LBS.

Depths anodes placed: 235', 245', 255', 265', 275' + 285' Deep.

Depths vent pipes placed: 0 to 300' Deep.

Vent pipe perforations: Laser Cut Slots from 200' to 300' Deep.

Remarks: Solid 1" dia. PVC vent pipe from 0' to 200' Deep.

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.

DATA SHEET NO. One(1)

SCOTT? COMPANY BOONVILLE FURZES CORP. JOB No. 75100118 DATE: 5-20-91
 WELL: FULLERTON MCD. 24-32 PIPELINE: _____
 LOCATION: SEC. 24 TWP. 27 RGE. 11 CO. SAN JUAN STATE NM
 ELEV. _____ FT: ROTARY 300 FT: CABLE TOOL -0- FT: CASING -0- FT
 GROUNDBED: DEPTH 300' FT. DIA. 6" IN. GAS 1100 LBS. ANODES LIDA STRING

DEPTH, FT.	DRILLER'S LOG	EXPLORING ANODE TO STRUCTURE			NO COKE	WITH COKE	ANODE NO.	DEPTH, TOP OF ANODES
		E	I	R	I	I		
	<u>FIRST WATER 180'</u>							
<u>150'</u>	<u>0-20 SAND</u>				<u>4.0</u>			
<u>155</u>	<u>20-50 SHALES</u>				<u>4.0</u>			
<u>160</u>	<u>50-150 SHALES</u>				<u>3.9</u>			
<u>165</u>	<u>150-190 SANDY SHALES</u>				<u>5.6</u>			
<u>170</u>	<u>190-280 SHALES</u>				<u>5.3</u>			
<u>175</u>	<u>280-300 SANDY SHALES</u>				<u>5.0</u>			
<u>180</u>					<u>4.9</u>			
<u>185</u>					<u>4.4</u>			
<u>190</u>					<u>4.1</u>			
<u>195</u>					<u>3.7</u>			
<u>200</u>					<u>3.7</u>			
<u>205</u>					<u>3.2</u>			
<u>210</u>					<u>3.0</u>			
<u>215</u>					<u>2.9</u>			
<u>220</u>					<u>3.1</u>			
<u>225</u>					<u>2.9</u>			
<u>230</u>					<u>3.5</u>			
<u>235</u>					<u>3.4</u>			<u>235</u>
<u>240</u>					<u>4.2</u>			↑ ↓
<u>245</u>					<u>4.0</u>			
<u>250</u>					<u>4.8</u>			
<u>255</u>					<u>4.5</u>			
<u>260</u>					<u>5.1</u>			
<u>265</u>					<u>5.1</u>			
<u>270</u>					<u>5.5</u>			
<u>275</u>					<u>5.2</u>			
<u>280</u>					<u>5.3</u>			
<u>285</u>					<u>5.5</u>			
<u>290</u>					<u>5.5</u>			
<u>295</u>					<u>5.4</u>			
<u>300'</u>								

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 DIST. 3

ANODES

5.5 19.9

GROUNDBED RESISTANCE: (1) VOLTS 12.39 - AMPS 19.9 - .62 OHMS
 (2) VIBROGROUND _____ OHMS

30-045-28301

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

Operator Bonneville Fuels Corp. Location: Unit NW Sec. 25 Twp 27 Rng 11
Name of Well/Wells or Pipeline Serviced Scott "E" Federal #25-22

Elevation 6299' Completion Date 5/22/81 Total Depth 300' Land Type* F
Casing, Sizes, Types & Depths 8" ID - 8 7/8" dia. O.P. PVC Casing
From 0 to 60 Ft. Deep.

If Casing is cemented, show amounts & types used NA - None

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If Cement or Bentonite Plugs have been placed, show depths & amounts used
NA - None

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DIST. 3

Depths & thickness of water zones with description of water when possible:
Fresh, Clear, Salty, Sulphur, Etc. First & Only water (clear)
streak at 110' Deep.

Depths gas encountered: NA - None

Type & amount of coke breeze used: Loresco SW - 99.9% Carbon = 1500 LBS.

Depths anodes placed: 205', 215', 225', 235', 245' + 255' Deep.

Depths vent pipes placed: 0' to 300' Deep, 0' to 100' Deep = Solid 1" dia. PVC.

Vent pipe perforations: Laser Cut Slots From 100' to 300' Deep

Remarks: _____

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.

(1050 FWD) 1695 FWD) DATA SHEET NO. One (1)

COMPANY Bonneville Fuels Corp. JOB NO 751-20118 DATE: 5/22/91
 WELL: SCOTT "E" FEDERAL #25-22 PIPELINE: _____
 LOCATION: SEC 25 TWP. 27N RGE. 11W CO. SAN JUAN STATE NM
 ELEV. 6249 FT: ROTARY 300 FT: CABLE TOOL _____ FT: CASING 60 FT.
 GROUND BED: DEPTH 300 FT. DIA. 6 IN. GAS 1500 LBS. ANODES LDA STRING

DEPTH, FT.	DRILLER'S LOG	EXPLORING ANODE TO STRUCTURE			NO COKE	WITH COKE	ANODE NO.	DEPTH, TOP OF ANODES
		E	I	R	I	I		
	<u>FIRST WATER 110'</u>							
150	<u>0-60 SAND</u>		<u>5.4</u>					
175	<u>60-140 SAND & SHALE</u>		<u>5.8</u>					
200	<u>140-270 SHALE</u>		<u>5.8</u>					
165	<u>270-300 SAND & SHALE</u>		<u>6.0</u>					
170			<u>5.8</u>					
175			<u>5.7</u>					
180			<u>5.6</u>					
185			<u>5.4</u>					
190			<u>5.5</u>					
195			<u>5.6</u>					
200			<u>5.7</u>					
205			<u>5.8</u>					<u>205</u>
210			<u>5.7</u>					
215			<u>5.8</u>					
220			<u>5.7</u>					
225		<u>ANODES</u>	<u>5.7</u>					
230			<u>5.7</u>					
235			<u>5.7</u>					
240			<u>5.8</u>					
245			<u>5.7</u>					
250			<u>5.8</u>					
255			<u>5.8</u>		<u>5.8</u>			<u>255</u>
260			<u>5.5</u>					
265			<u>5.1</u>					
270			<u>4.7</u>					
275			<u>3.9</u>					
280			<u>3.8</u>					
285			<u>4.0</u>					
290			<u>4.1</u>					
295			<u>4.5</u>					
300			<u>4.4</u>					
	<u>* LAZER CUT VENT</u>		<u>100'-300'</u>					
	<u>SOLID 1" VENT</u>		<u>0'-100'</u>					

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 DIST. 2

GROUND BED RESISTANCE: (1) VOLTS 12.25 - AMPS 23.5 - .52 OHMS

(2) VIBROGROUND _____ OHMS

30-045-28396

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

(Submit 3 copies to OCD Aztec Office)

Operator Bonnerille Fuels Corp. Location: Unit ___ Sec. 25 Twp 27 Rng 11

Name of Well/Wells or Pipeline Serviced Scott E Fed, #25-14

Elevation ___ Completion Date 5-15-91 Total Depth 300' Land Type* F

Casing, Sizes, Types & Depths 80' + 8" + 8" I.P., 8 5/8" O.D.,
Schedule 40, B.E., PVC Casing.

If Casing is cemented, show amounts & types used NA-None

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

NA-None

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DIST. 3

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

Fresh, Clear, Salty, Sulphur, Etc. First + Only Water (Clear) Streak
at 95 Foot Depth.

Depths gas encountered: NA-None

Type & amount of coke breeze used: CARBO 40, 99.9% Carbon, 1,250 LBS,

Depths anodes placed: 225', 235', 245', 255', 265' + 275' Deep

Depths vent pipes placed: 0' to 300' Deep.

Vent pipe perforations: Laser Cut Slots from 120' to 300' Deep

Remarks: Solid 1" dia. PVC (vent) pipe from 0' to 120' Deep

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.

DATA SHEET NO. One(1)

COMPANY BONNEVILLE FUELS CORP JOB No. 751-00118 DATE: 5-15-91
 WELL: SCOTT "E" FED #25-14 PIPELINE: _____
 LOCATION: SEC 25 TWP. 27 RGE. 11 CO. SAN JUAN STATE NM
 ELEV. _____ FT: ROTARY 300' FT: CABLE TOOL -0- FT: CASING 80x8"
 GROUNDBED: DEPTH 300' FT. DIA. 6" IN. CAS 1250 LBS. ANODES HDA STRING

DEPTH, FT.	DRILLER'S LOG	EXPLORING ANODE TO STRUCTURE			NO COKE	WITH COKE	ANODE NO.	DEPTH, TOP OF ANODES
		E	I	R				
150	FIRST WATER 80'-110'							
150	0-40 SAND		3.7					
155	40-100 SANDY SHALE		4.1					
160	100-140 SANDY		3.9					
165	140-215 SANDY SHALE		4.1					
170	215-300 SHALE		3.9					
175			3.9					
180			3.7					
185			3.7					
190			3.6					
195			3.7					
200			3.8					
205			3.5					
210			3.6					
215			3.5					
220			3.9					
225			4.3				225	
230			4.0					
235			4.3					
240			4.1					
245			4.7		5.0	21.0		
250			4.5					
255			5.0					
260			4.8					
265			5.0					
270			4.8				275	
275			4.8					
280			4.8					
285			4.8					
290			4.7					
295								
300								

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 OIL CON. DIV.
 DIST. 3

ANODES

GROUNDBED RESISTANCE: (1) VOLTS 12.31 - AMPS 21.0 - .59 OHMS
 (2) VIBROGROUND .59 OHMS

GENERAL CATHODIC PROTECTION SERVICES CO.
 A LUKENS COMPANY

S. 30-045-24568

351-30-045-28404

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

Operator Meridian Oil Location: Unit C Sec. 35 Twp 27 Rng 11

Name of Well/Wells or Pipeline Served DOUTHIT FEDERAL #351
A #5 2261W

Elevation _____ Completion Date 11-7-91 Total Depth 358 Land Type F

Casing Strings, Sizes, Types & Depths 8" PVC SURFACE CASING
90" DEEP

If Casing Strings are cemented, show amounts & types used YES WITH
20 BAGS NEAT CEMENT

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

Depths & thickness of water zones with description of water: Fresh, Clear,
Salty, Sulphur, Etc. 100' FRESH

Depths gas encountered: N/A

Ground bed depth with type & amount of coke breeze used: 358' DEEP
with 5200 lbs Asbury 4518 Flo Coke

Depths anodes placed: 335, 325, 315, 305, 295, 285, 275, 265, 255, 245, 235

Depths vent pipes placed: 335'

Vent pipe perforations: bottom 240'

Remarks: _____

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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# 2261	P/L NAME (S), NUMBER (S) Death + FED # 351, # 5					
* NA09	TOTAL	VOLTS 11.64	AMPS 290	- OHMS .40	DATE 11-7-91	NAME MRW
REMARKS (notes for construction log) # 351 - C 35, 27-11 & S 6 35-27-11						
FF 337 ms, 40'-8" EASING, 20 BAGS of cement						
'WATER 100', Drilled 360, LOGGED 358						
104 bags Asbury						

DEPTH	LOG ANODE	ANODE *	NO COKE	FULLY COKE'D									
100	2.4		295	2.8-		490			685				
105	2.2		300	2.9		495			690				
110	2.1		305	2.7-		500			695				
115	1.4		310	2.7		505			700				
120	.9		315	2.5		510			ANODE	DEPTH	NO	FULLY	
125	1.4		320	2.6		515			*		COKE	COKE'D	
130	1.1		325	2.6-		520			1	335	2.4	7.3	
135	1.5		330	2.5		525			2	325	2.7	7.8	
140	1.6		335	2.4-		530			3	315	2.7	7.6	
145	1.3		340	2.7		535			4	305	2.7	7.2	
150	1.2		345	2.5		540			5	295	2.8	7.3	
155	.7		350	2.5		545			6	285	2.7	7.5	
160	.7		355	TD	358	550			7	275	2.8	7.6	
165	.8		360			555			8	265	2.8	7.7	
170	1.2		365			560			9	255	2.6	7.4	
175	1.3		370			565			10	245	2.8	7.6	
180	1.4		375			570			11	235	2.5	7.2	
185	1.4		380			575			12	225	2.4	6.9	
190	1.3		385			580			13				
195	1.6		390			585			14				
200	1.3		395			590			15				
205	1.4		400			595			16				
210	1.5		405			600			17				
215	1.3		410			605			18				
220	2.0		415			610			19				
225	2.4-		420			615			20				
230	2.7		425			620			21				
235	2.5-		430			625			22				
240	2.6		435			630			23				
245	2.6-		440			635			24				
250	2.9		445			640			25				
255	2.5-		450			645			26				
260	2.7		455			650			27				
265	2.8-		460			655			28				
270	2.8		465			660			29				
275	2.7-		470			665			30				
280	2.7		475			670							
285	2.6-		480			675							
290	2.6		485			680							

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

Operator Meridian Oil Location: Unit C Sec. 35 Twp 27 Rng 11

Name of Well/Wells or Pipeline Serviced DOUTHIT FEDERAL #351
#5 2261W

Elevation _____ Completion Date 11-7-91 Total Depth 358 Land Type F

Casing Strings, Sizes, Types & Depths 8" PVC SURFACE CASING
90" DEEP

If Casing Strings are cemented, show amounts & types used YES WITH
20 BAGS NEAT CEMENT

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

Depths & thickness of water zones with description of water: Fresh, Clear,
Salty, Sulphur, Etc. 100' FRESH

Depths gas encountered: N/A

Ground bed depth with type & amount of coke breeze used: 358' DEEP
with 5200 lbs Asbury 4518 Flo Coke

Depths anodes placed: 335, 325, 315, 305, 295, 285, 275, 265, 255, 245, 235

Depths vent pipes placed: 335'

Vent pipe perforations: bottom 240'

Remarks: _____

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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# 2261 P/L NAME(*) NUMBER(*) Dearth, Fern # 351 # 5
 # NA09 TOTAL VOLTS 11.64 AMPS 290 OHMS .40 DATE 11-7-91 NAME MRW
 REMARKS (notes for construction log) # 351 - C 35-27-11 & S 6 35-27-11
 FF 337 ms, 90'-8" EASING, 20 SACKS of cement
 'WATER 100', Drilled 360 LOGGED 358
 104 bags Asbury

DEPTH	LOG ANODE	ANODE #												
100	2.4		295	2.5-		490			685					
105	2.2		300	2.4		495			690					
110	2.1		305	2.7-		500			695					
115	1.4		310	2.7		505			700					
120	.9		315	2.5		510			ANODE	DEPTH	NO	FULLY		
125	1.4		320	2.6		515			*		COKE	COK'D		
130	1.1		325	2.6-		520			1	335	2.4	7.3		
135	1.5		330	2.5		525			2	325	2.7	7.8		
140	1.6		335	2.4-		530			3	315	2.7	7.6		
145	1.3		340	2.7		535			4	305	2.7	7.2		
150	1.2		345	2.5		540			5	295	2.8	7.3		
155	.7		350	2.5		545			6	285	2.7	7.5		
160	.7		355	TD	358	550			7	275	2.8	7.6		
165	.8		360			555			8	265	2.8	7.7		
170	1.2		365			560			9	255	2.6	7.4		
175	1.3		370			565			10	245	2.8	7.6		
180	1.4		375			570			11	235	2.5	7.2		
185	1.4		380			575			12	225	2.4	6.9		
190	1.3		385			580			13					
195	1.6		390			585			14					
200	1.3		395			590			15					
205	1.4		400			595			16					
210	1.5		405			600			17					
215	1.3		410			605			18					
220	2.0		415			610			19					
225	2.4-		420			615			20					
230	2.7		425			620			21					
235	2.5-		430			625			22					
240	2.6		435			630			23					
245	2.6-		440			635			24					
250	2.9		445			640			25					
255	2.5-		450			645			26					
260	2.7		455			650			27					
265	2.8-		460			655			28					
270	2.8		465			660			29					
275	2.7-		470			665			30					
280	2.7		475			670								
285	2.6-		480			675								
290	2.6		485			680								

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 copy - Division Corrosion Supervisor
 copy - Region Corrosion Specialist

352-30-045-28405

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

Operator MERIDIAN O.I Location: Unit M Sec. 35 Twp 27 Rng 11

Name of Well/Wells or Pipeline Serviced DOUTHIT FEDERAL #352
CPS#2262 2262W

Elevation _____ Completion Date 11-6-91 Total Depth 399' Land Type F

Casing Strings, Sizes, Types & Depths 8" PVC SURFACE
CASING, 100' DEEP

If Casing Strings are cemented, show amounts & types used Yes, with
22 SACKS NEAT CEMENT

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

Depths & thickness of water zones with description of water: Fresh, Clear,
Salty, Sulphur, Etc. FRESH 120

Depths gas encountered: NU

Ground bed depth with type & amount of coke breeze used: 399' DEEP
with 5650 lbs of Ashbury 4518 Flo COKE

Depths anodes placed: 360, 350, 315, 275, 265, 255, 210, 200, 190, 180, 170, 16

Depths vent pipes placed: 360'

Vent pipe perforations: bottom 260'

Remarks: _____

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OIL CON. DIV.
DIST. 2

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# 2262	P/L NAME (S), NUMBER (S) DOW HIT FEDERAL #352					
*N410	TOTAL	VOLTS 17.8	AMPS 29.5	- OHMS .4	DATE 11-2-91	NAME MRW

REMARKS (notes for construction log) WATER AT 120' Set 100' of CASING
 22 BAGS CEMENT. DRILLED 400', LOGGED 399' PERFORATED
 BOTTOM 260'
 113 BAGS ASBURY

DEPTH	LOG ANODE	ANODE #											
100			295	1.2		490			685				
105			300	1.0		495			690				
110			305	1.1		500			695				
115			310	2.1		505			700				
120			315	2.0		510			ANODE	DEPTH	NO	FULLY	
125			320	2.0		515			*		COKE	COK'D	
130			325	1.9		520			1	360	2.3	7.7	
135	2.5		330	1.8		525			2	350	2.5	7.8	
140	2.7		335	1.8		530			3	315	2.0	5.8	
145	2.6		340	1.8		535			4	275	2.2	7.1	
150	2.6		345	2.1		540			5	265	2.1	7.1	
155	2.7		350	2.3		545			6	255	2.3	6.5	
160	2.5		355	2.3		550			7	210	2.3	7.9	
165	2.7		360	2.2		555			8	200	2.2	8.4	
170	2.5		365	1.9		560			9	190	2.1	7.8	
175	2.4		370	1.8		565			10	180	2.4	8.1	
180	2.3		375	1.2		570			11	170	2.6	8.7	
185	2.2		380	.9		575			12	160	2.7	9.2	
190	2.1		385	.7		580			13				
195	2.2		390	.9		585			14				
200	2.2		395	1.8	TD 399	590			15				
205	2.4		400			595			16				
210	2.2		405			600			17				
215	2.0		410			605			18				
220	1.7		415			610			19				
225	1.0		420			615			20				
230	.9		425			620			21				
235	.8		430			625			22				
240	.6		435			630			23				
245	.7		440			635			24				
250	1.2		445			640			25				
255	2.2		450			645			26				
260	2.1		455			650			27				
265	2.1		460			655			28				
270	2.1		465			660			29				
275	2.1		470			665			30				
280	2.0		475			670							
285	1.9		480			675							
290	1.6		485			680							

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

API WATER ANALYSIS REPORT FORM

Laboratory No. 25-91108-1M

Company Meridian		Sample No.	Date Sampled 11-6-91	
Field 2262W	Legal Description Sus 35-26-11	County or Parish San Juan	State NM	
Lease or Unit	Well Routlet Federal # 352	Depth 120'	Formation FC	Water, B/D
Type of Water (Produced, Supply, etc.)	Sampling Point Ground Bed		Sampled By mfw	



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

DISSOLVED SOLIDS

CATIONS	mg/l	me/l
Sodium, Na (calc.)	<u>160</u>	<u>7.1</u>
Calcium, Ca	<u>6.8</u>	<u>0.34</u>
Magnesium, Mg	<u>0.24</u>	<u>0.02</u>
Barium, Ba		

OTHER PROPERTIES

pH	<u>8.61</u>
Specific Gravity, 60/60 F.	<u>1.007</u>
Resistivity (ohm-meters) <u>58</u> F.	<u>17.2</u>

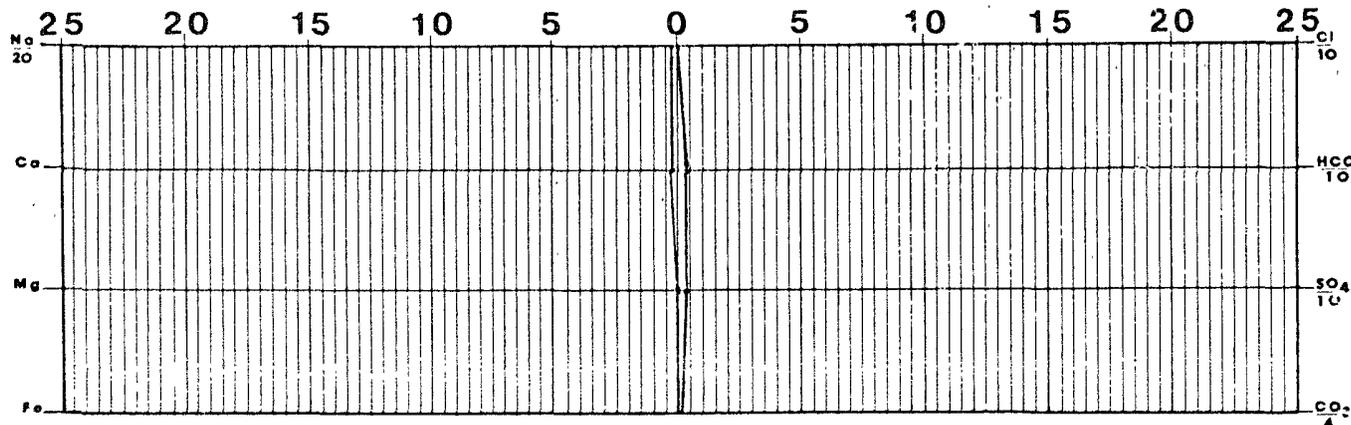
ANIONS

Chloride, Cl	<u>12</u>	<u>0.35</u>
Sulfate, So ₄	<u>160</u>	<u>3.2</u>
Carbonate, CO ₃	<u>12</u>	<u>0.4</u>
Bicarbonate, HCO ₃	<u>210</u>	<u>3.5</u>

Total Dissolved Solids (calc.) 560

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

REMARKS & RECOMMENDATIONS:



Date Received 8th Nov, 1991.	Preserved	Date Analyzed 27th Dec, 1991.	Analyzed By R.H.
--	-----------	---	----------------------------

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

Operator MERIDIAN OIL Location: Unit M Sec. 35 Twp 27 Rng 11

Name of Well/Wells or Pipeline Serviced DOUTHIT FEDERAL #352
CPS#2262 2262W

Elevation _____ Completion Date 11-6-91 Total Depth 399' Land Type F

Casing Strings, Sizes, Types & Depths 8" PVC SURFACE
CASING, 100' DEEP

If Casing Strings are cemented, show amounts & types used Yes, with
22 SACKS NEAT CEMENT

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

Depths & thickness of water zones with description of water: Fresh, Clear,
Salty, Sulphur, Etc. FRESH 120

Depths gas encountered: NU

Ground bed depth with type & amount of coke breeze used: 399' DEEP
with 5650 lbs of Asbury 4518 Flo COKE

Depths anodes placed: 360, 350, 315, 275, 265, 255, 210, 200, 190, 180, 170

Depths vent pipes placed: 360'

Vent pipe perforations: bottom 260'

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# 2262	P/L NAME (S), NUMBER (S) DOUTHIT FEDERAL #352					
N410	TOTAL	VOLTS 17.8	AMPS 29.5	- OHMS .4	DATE 11-2-91	NAME MRW

REMARKS (notes for construction log)

WATER AT 120' Set 100' of casing

22 bags cement. Drilled 400', LOGGED 399' Perforated Bottom 260'

113 bags Asbury

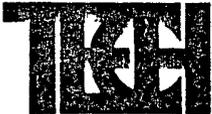
DEPTH	LOG ANODE	ANODE #											
100			295	1.2		490			685				
105			300	1.0		495			690				
110			305	1.1		500			695				
115			310	2.1		505			700				
120			315	2.0		510			ANODE	DEPTH	NO.	FULLY	
125			320	2.0		515			*		COKE	COK'D	
130			325	1.9		520			1	360	2.3	7.7	
135	2.5		330	1.8		525			2	350	2.5	7.8	
140	2.7		335	1.8		530			3	315	2.0	5.8	
145	2.6		340	1.8		535			4	275	2.2	7.1	
150	2.6		345	2.1		540			5	265	2.1	7.1	
155	2.7		350	2.3		545			6	255	2.3	6.5	
160	2.5		355	2.3		550			7	210	2.3	7.9	
65	2.7		360	2.2		555			8	200	2.2	8.4	
170	2.5		365	1.9		560			9	190	2.1	7.8	
175	2.4		370	1.8		565			10	180	2.4	8.1	
180	2.3		375	1.2		570			11	170	2.6	8.9	
185	2.2		380	.9		575			12	160	2.7	9.2	
190	2.1		385	.7		580			13				
195	2.2		390	.9	TD	585			14				
200	2.2		395	1.8	399	590			15				
205	2.4		400			595			16				
210	2.2		405			600			17				
215	2.0		410			605			18				
220	1.7		415			610			19				
225	1.0		420			615			20				
230	.9		425			620			21				
235	.8		430			625			22				
240	.6		435			630			23				
245	.7		440			635			24				
250	1.2		445			640			25				
255	2.2		450			645			26				
260	2.1		455			650			27				
265	2.1		460			655			28				
270	2.1		465			660			29				
275	2.1		470			665			30				
280	2.0		475			670							
285	1.9		480			675							
290	1.6		485			680							

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

API WATER ANALYSIS REPORT FORM

Laboratory No. 25-91108-1M

Company MERIDIAN		Sample No.		Date Sampled 11-6-91	
Field 2262W		Legal Description SW 35-26-11		County or Parish San Juan	
Lease or Unit		Well Douglas Federal # 352		State NM	
		Depth 120'		Formation FC	
Type of Water (Produced, Supply, etc.)		Sampling Point Ground Bed		Water, B/D	
				Sampled By mfw	



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

DISSOLVED SOLIDS

CATIONS	mg/l	me/l
Sodium, Na (calc.)	160	7.1
Calcium, Ca	6.8	0.34
Magnesium, Mg	0.24	0.02
Barium, Ba		

OTHER PROPERTIES

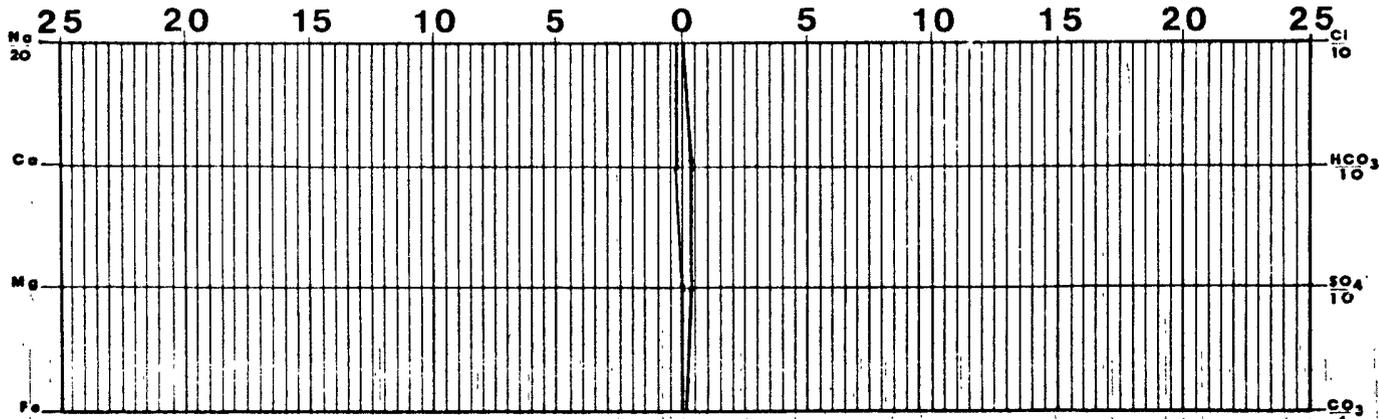
pH	8.61
Specific Gravity, 60/60 F.	1.0017
Resistivity (ohm-meters) 68 F.	17.2
Total Dissolved Solids (calc.)	
	560

ANIONS

Chloride, Cl	12	0.35
Sulfate, So ₄	160	3.2
Carbonate, CO ₃	12	0.4
Bicarbonate, HCO ₃	210	3.5

Iron, Fe (total)	
Sulfide, as H ₂ S	

REMARKS & RECOMMENDATIONS:



Date Received 8th Nov, 1991.	Preserved	Date Analyzed 27th Dec 1991.	Analyzed By R. H.
--	-----------	--	-----------------------------



APPENDIX C

Executed C-138 Solid Waste Acceptance Forms

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
PayKey: RB21200
PM: Aaron Lucero
AFE: N55007

2. Originating Site:
Douthit Federal #6 PC

3. Location of Material (Street Address, City, State or ULSTR):
UL D Section 26 T27N R11W; 36.552376, -107.980790

4. Source and Description of Waste:
Source: Remediation activities associated with a natural gas pipeline leak.
Description: Hydrocarbon/Condensate impacted soil associated natural gas pipeline release.
Estimated Volume 50 yd³/bbls Known Volume (to be entered by the operator at the end of the haul) 125 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* 9-2-2021, representative for Enterprise Products Operating authorizes Envirotech, Inc. to complete
Generator Signature
the required testing/sign the Generator Waste Testing Certification.

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

5. Transporter: Riley Industrial
OCD Permitted Surface Waste Management Facility

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

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

PRINT NAME: Greg Crabtree TITLE: Enviro Manager DATE: 9/2/21
SIGNATURE: *Greg Crabtree* TELEPHONE NO.: 505-632-0615
Surface Waste Management Facility Authorized Agent

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
PayKey: RB21200
PM: Aaron Lucero
AFE: N55007

2. Originating Site:
Douthit Federal #6 PC

3. Location of Material (Street Address, City, State or ULSTR):
UL D Section 26 T27N R11W; 36.552376, -107.980790

4. Source and Description of Waste:
Source: Remediation activities associated with a natural gas pipeline leak.
Description: Hydrocarbon/Condensate impacted soil associated natural gas pipeline release.
Estimated Volume 50 yd³/ bbls Known Volume (to be entered by the operator at the end of the haul) 1862 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* 10-18-2021, representative for Enterprise Products Operating authorizes Envirotech, Inc. to complete
Generator Signature
the required testing/sign the Generator Waste Testing Certification.

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

5. Transporter: Riley Industrial HBL, OFT, STAN HORN, CF+M
OCD Permitted Surface Waste Management Facility

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

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

PRINT NAME: Greg Crabtree TITLE: Enviro Manager DATE: 10/20/21
SIGNATURE: *Greg Crabtree* TELEPHONE NO.: 505-632-0615
Surface Waste Management Facility Authorized Agent



APPENDIX D

Photographic Documentation

SITE PHOTOGRAPHS

Closure Report
Enterprise Field Services, LLC
Douthit Federal #6 PC (10/19/21)
Ensolum Project No. 05A1226157



<p>Photograph 1</p> <p>Photograph Description: View of in-process excavation activities.</p>	A photograph showing a deep, narrow excavation trench. The walls are composed of light-colored, sandy soil. At the top of the trench, a yellow bulldozer is visible, working on the surface. The sky is clear and blue.
<p>Photograph 2</p> <p>Photograph Description: View of in-process excavation activities.</p>	A photograph of an excavation site. A large, deep pit has been dug into the ground. In the background, a worker in a yellow safety vest is standing near a piece of heavy machinery. The ground is uneven and shows signs of recent excavation.
<p>Photograph 3</p> <p>Photograph Description: View of the excavation (second sampling event).</p>	A photograph showing an excavation site. A red excavator is positioned on the left side of the frame, facing towards the center. The ground is sandy and shows signs of being recently excavated. The background shows a clear sky and some distant structures.

SITE PHOTOGRAPHS

Closure Report
Enterprise Field Services, LLC
Douthit Federal #6 PC (10/19/21)
Ensolum Project No. 05A1226157



Photograph 4

Photograph Description: View of in-process excavation activities.



Photograph 5

Photograph Description: View of the excavation (third sampling event).



Photograph 6

Photograph Description: View of in-process excavation activities and removal of soil associated with sample S-16.



SITE PHOTOGRAPHS

Closure Report
Enterprise Field Services, LLC
Douthit Federal #6 PC (10/19/21)
Ensolum Project No. 05A1226157



Photograph 7

Photograph Description: View of the excavation (fourth sampling event).



Photograph 8

Photograph Description: View of the site after initial restoration and reconstruction of the road.





APPENDIX E

Regulatory Correspondence

From: [Long, Thomas](#)
To: ["Smith, Cory, EMNRD \(Cory.Smith@state.nm.us\)"; rjoyner@blm.gov](#)
Cc: [Stone, Brian](#)
Subject: FW: Douthit Federal #6 PC - UL D Section 26 T27N R11W; 36.552376, -107.980790 - Incident nAPP2129253819
Date: Wednesday, November 3, 2021 5:40:00 PM
Attachments: [Douthit Fed 6 Field Map 110321.PDF](#)
[Douthit Federal 6.pdf](#)

Cory/Ryan,

Please find the attached site sketch and lab report for the Douthit Federal #6 excavation. One sample (S-16) exceeded the NMOCD Tier II standard for BTEX. Enterprise will be excavating in the area and resampling tomorrow, November 4, 2021 at 1:00 p.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



From: Long, Thomas <tjlong@eprod.com>
Sent: Monday, November 1, 2021 8:29 AM
To: EMNRD Smith Cory <Cory.Smith@state.nm.us>; Ryan Joyner <rjoyner@blm.gov>
Cc: Stone, Brian <bmstone@eprod.com>
Subject: Fwd: Douthit Federal #6 PC - UL D Section 26 T27N R11W; 36.552376, -107.980790 - Incident nAPP2129253819

Cory/Ryan,

This sampling event has been postponed until tomorrow November 2, 2021 at 10:00 a.m. If you have any questions, please call or email.

Tom Long

Begin forwarded message:

From: "Long, Thomas" </O=EPROD/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=LONG>
Date: October 29, 2021 at 7:25:00 AM MDT
Subject: FW: Douthit Federal #6 PC - UL D Section 26 T27N R11W; 36.552376,

-107.980790 - Incident nAPP2129253819

Cory/Ryan, C

This email is a notification that Enterprise will be collecting soil samples for laboratory analysis at the Douthit Federal #6 PC on Monday, November 1, 2021 at 1:00 p.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



From: Long, Thomas
Sent: Friday, October 22, 2021 3:29 PM
To: 'Smith, Cory, EMNRD (Cory.Smith@state.nm.us)' <Cory.Smith@state.nm.us>; rjoyner@blm.gov
Cc: Stone, Brian <bmstone@eprod.com>
Subject: Douthit Federal #6 PC - UL D Section 26 T27N R11W; 36.552376, -107.980790 - Incident nAPP2129253819

Cory/Ryan,

This email is a notification that Enterprise will be collecting soil samples for laboratory analysis at the Douthit Federal #6 PC on Monday, October 25, 2021 at 1:00 p.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





APPENDIX F

Tables



TABLE 1A
Douthit Federal #6 PC (10/19/21)
SOIL ANALYTICAL SUMMARY (SOIL ZONE: CONTAINS ALIQUOTS FROM < 4 FEET BGS)

Sample I.D.	Date	Sample Type	Sample Depth	Benzene	Toluene	Ethylbenzene	Xylenes	Total BTEX ¹	TPH GRO	TPH DRO	TPH MRO	Total Combined TPH (GRO/DRO/MRO) ¹	Chloride
		C- Composite G - Grab	(feet)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
New Mexico Energy, Mineral & Natural Resources Department Oil Conservation Division Closure Criteria				10	NE	NE	NE	50				100	600
Composite Soil Samples Removed by Excavation and Transported to the Landfarm for Diposal/Remediation													
S-8	10.25.21	C	0 to 4	0.47	15	5.3	38	59	470	180	<46	650	64
S-9	10.25.21	C	0 to 4	<0.018	0.043	<0.037	0.15	0.19	<3.7	<9.5	<48	ND	200
S-14	10.25.21	C	0 to 4	<0.017	<0.035	<0.035	<0.069	ND	<3.5	<9.7	<48	ND	150
S-15	10.25.21	C	0 to 4	<0.088	<0.18	<0.18	<0.35	ND	<18	<9.9	<49	ND	140
Excavation Composite Soil Samples													
S-1	10.19.21	C	0 to 4	<0.016	<0.033	<0.033	<0.065	ND	<3.3	<9.7	<48	ND	<60
S-2	10.19.21	C	0 to 4	<0.014	<0.029	<0.029	<0.057	ND	<2.9	<9.8	<49	ND	<60
S-23	11.2.21	C	0 to 4	<0.077	<0.15	<0.15	<0.31	ND	<15	<9.7	<49	ND	<60
S-27	11.2.21	C	0 to 4	<0.015	<0.031	<0.031	<0.062	ND	<3.1	<9.0	<45	ND	92
S-28	11.2.21	C	0 to 4	<0.018	<0.035	<0.035	<0.071	ND	<3.5	<9.3	<47	ND	<60
S-33	11.2.21	C	0 to 4	<0.020	<0.039	<0.039	<0.078	ND	<3.9	<9.4	<47	ND	<60
S-37	11.2.21	C	0 to 4	<0.016	<0.033	<0.033	<0.066	ND	<3.3	<9.8	<49	ND	120
S-38	11.2.21	C	0 to 4	<0.016	<0.032	<0.032	<0.064	ND	<3.2	<9.4	<47	ND	370

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 = milligram 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



TABLE 1B Douthit Federal #6 PC (10/19/21) SOIL ANALYTICAL SUMMARY (CONTAINS ONLY ALIQUOTS FROM >4 FEET BGS)														
Sample I.D.	Date	Sample Type	Sample Depth	Benzene	Toluene	Ethylbenzene	Xylenes	Total BTEX ¹	TPH GRO	TPH DRO	TPH MRO	Total Combined TPH (GRO/DRO) ¹	Total Combined TPH (GRO/DRO/MRO) ¹	Chloride
		C - Composite G - Grab	(feet)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
New Mexico Energy, Mineral & Natural Resources Department Oil Conservation Division Closure Criteria (Tier II)				10	NE	NE	NE	50				1,000	2,500	10,000
Composite Soil Samples Removed by Excavation and Transported to the Landfarm for Diposal/Remediation														
S-5	10.25.21	C	11	6.5	34	13	78	130	1,000	100	<46	1,100	1,100	<60
S-6	10.25.21	C	11	29	210	33	290	560	3,200	740	1,800	3,900	5,700	<60
S-10	10.25.21	C	4 to 11	1.1	20	7.5	52	81	730	170	<46	900	900	<60
S-11	10.25.21	C	4 to 11	2.6	51	12	110	180	1,100	240	<49	1,300	1,300	<59
S-12	10.25.21	C	4 to 11	0.39	7.2	1.8	17	26	230	39	<49	270	270	<60
S-13	10.25.21	C	4 to 11	4.2	51	8.8	73	140	1,100	81	<47	1,200	1,200	<60
S-16	11.2.21	C	16	2.5	21	8.2	51	83	340	25	<46	370	370	<60
Excavation Composite Soil Samples														
S-3	10.25.21	C	4 to 11	<0.017	<0.035	<0.035	<0.070	ND	<3.5	<9.9	<50	ND	ND	<60
S-4	10.25.21	C	4 to 11	<0.015	<0.030	<0.030	<0.059	ND	<3.0	<9.9	<50	ND	ND	<61
S-7	10.25.21	C	11	<0.092	<0.18	<0.18	0.74	0.74	<18	<9.6	<48	ND	ND	<60
S-17	11.2.21	C	16	0.16	4.8	4.5	32	41	180	22	<48	200	200	<60
S-18	11.2.21	C	16	<0.083	<0.17	<0.17	<0.33	ND	<17	<9.3	<46	ND	ND	<60
S-19	11.2.21	C	16	<0.087	<0.17	0.23	2.0	2.2	20	<94	<47	20	20	<60
S-20	11.2.21	C	16	<0.093	<0.19	<0.19	1.1	1.1	20	<9.5	<47	20	20	<60
S-21	11.2.21	C	16	<0.091	<0.18	<0.18	1.3	1.3	<18	<9.3	<46	ND	ND	<60
S-22	11.2.21	C	11 to 16	<0.078	<0.16	<0.16	<0.31	ND	<16	<9.6	<48	ND	ND	<60
S-24	11.2.21	C	4 to 16	<0.081	<0.16	<0.16	<0.32	ND	<16	<9.0	<45	ND	ND	<60
S-25	11.2.21	C	4 to 16	<0.096	<0.19	<0.19	<0.38	ND	<19	<9.6	<48	ND	ND	<60
S-26	11.2.21	C	4 to 16	<0.016	<0.033	<0.033	<0.066	ND	<3.3	<9.5	<47	ND	ND	<60
S-29	11.2.21	C	4 to 11	<0.015	<0.030	<0.030	<0.060	ND	<3.0	<9.4	<47	ND	ND	<60
S-30	11.2.21	C	11 to 16	<0.084	<0.17	<0.17	<0.33	ND	<17	<7.9	<40	ND	ND	72
S-31	11.2.21	C	4 to 11	<0.079	<0.16	<0.16	<0.31	ND	<16	<9.7	<49	ND	ND	<60
S-32	11.2.21	C	4 to 16	<0.018	<0.037	<0.037	<0.073	ND	<3.7	<9.7	<48	ND	ND	<60



TABLE 1B
Douthit Federal #6 PC (10/19/21)
SOIL ANALYTICAL SUMMARY (CONTAINS ONLY ALIQUOTS FROM >4 FEET BGS)

Sample I.D.	Date	Sample Type	Sample Depth	Benzene	Toluene	Ethylbenzene	Xylenes	Total BTEX ¹	TPH GRO	TPH DRO	TPH MRO	Total Combined TPH (GRO/DRO) ¹	Total Combined TPH (GRO/DRO/MRO) ¹	Chloride
		C- Composite G - Grab	(feet)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
New Mexico Energy, Mineral & Natural Resources Department Oil Conservation Division Closure Criteria (Tier II)				10	NE	NE	NE	50				1,000	2,500	10,000
S-34	11.2.21	C	4 to 16	<0.016	<0.033	<0.033	<0.066	ND	<3.3	<9.7	<49	ND	ND	<60
S-35	11.2.21	C	4 to 16	<0.018	<0.037	<0.037	<0.073	ND	<3.7	<10	<50	ND	ND	91
S-36	11.2.21	C	4 to 16	<0.017	<0.034	<0.034	<0.067	ND	<3.4	<9.9	<49	ND	ND	<60
S-39	11.4.21	C	16 to 18	<0.091	0.43	<0.18	0.99	1.4	19	<10	<50	19	19	<60
S-40	11.4.21	C	16 to 18	0.020	0.16	0.068	0.52	0.77	6.2	<9.3	<47	6.2	6.2	<60

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

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

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

NA = Not Analyzed

NE = Not established

mg/kg = milligram 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: clients.hallenvironmental.com

October 29, 2021

Kyle Summers
ENSOLUM
606 S. Rio Grande Suite A
Aztec, NM 87410
TEL: (903) 821-5603
FAX:

RE: Douthit Federal 6

OrderNo.: 2110B71

Dear Kyle Summers:

Hall Environmental Analysis Laboratory received 2 sample(s) on 10/26/2021 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 in a cursive style.

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report

Lab Order **2110B71**

Date Reported: **10/29/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-1

Project: Douthit Federal 6

Collection Date: 10/19/2021 9:00:00 AM

Lab ID: 2110B71-001

Matrix: MEOH (SOIL)

Received Date: 10/26/2021 7:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	ND	60		mg/Kg	20	10/26/2021 12:21:11 PM	63562
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	10/26/2021 11:19:17 AM	63555
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	10/26/2021 11:19:17 AM	63555
Surr: DNOP	82.7	70-130		%Rec	1	10/26/2021 11:19:17 AM	63555
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	ND	3.3		mg/Kg	1	10/26/2021 11:51:00 AM	R82343
Surr: BFB	99.5	70-130		%Rec	1	10/26/2021 11:51:00 AM	R82343
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.016		mg/Kg	1	10/26/2021 11:51:00 AM	R82343
Toluene	ND	0.033		mg/Kg	1	10/26/2021 11:51:00 AM	R82343
Ethylbenzene	ND	0.033		mg/Kg	1	10/26/2021 11:51:00 AM	R82343
Xylenes, Total	ND	0.065		mg/Kg	1	10/26/2021 11:51:00 AM	R82343
Surr: 4-Bromofluorobenzene	94.9	70-130		%Rec	1	10/26/2021 11:51:00 AM	R82343

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	Value above quantitation range
	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 range due to dilution or matrix		

Analytical Report

Lab Order **2110B71**

Date Reported: **10/29/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-2

Project: Douthit Federal 6

Collection Date: 10/19/2021 9:05:00 AM

Lab ID: 2110B71-002

Matrix: MEOH (SOIL)

Received Date: 10/26/2021 7:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	ND	60		mg/Kg	20	10/26/2021 12:33:35 PM	63562
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	10/26/2021 11:30:00 AM	63555
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	10/26/2021 11:30:00 AM	63555
Surr: DNOP	85.5	70-130		%Rec	1	10/26/2021 11:30:00 AM	63555
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	ND	2.9		mg/Kg	1	10/26/2021 12:11:00 PM	R82343
Surr: BFB	97.3	70-130		%Rec	1	10/26/2021 12:11:00 PM	R82343
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.014		mg/Kg	1	10/26/2021 12:11:00 PM	R82343
Toluene	ND	0.029		mg/Kg	1	10/26/2021 12:11:00 PM	R82343
Ethylbenzene	ND	0.029		mg/Kg	1	10/26/2021 12:11:00 PM	R82343
Xylenes, Total	ND	0.057		mg/Kg	1	10/26/2021 12:11:00 PM	R82343
Surr: 4-Bromofluorobenzene	97.4	70-130		%Rec	1	10/26/2021 12:11:00 PM	R82343

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	Value above quantitation range
	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 range due to dilution or matrix		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2110B71

29-Oct-21

Client: ENSOLUM
Project: Douthit Federal 6

Sample ID: MB-63562	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 63562	RunNo: 82359								
Prep Date: 10/26/2021	Analysis Date: 10/26/2021	SeqNo: 2922227	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-63562	SampType: lcs	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 63562	RunNo: 82359								
Prep Date: 10/26/2021	Analysis Date: 10/26/2021	SeqNo: 2922228	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 range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2110B71

29-Oct-21

Client: ENSOLUM
Project: Douthit Federal 6

Sample ID: LCS-63555	SampType: LCS		TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: LCSS	Batch ID: 63555		RunNo: 82349							
Prep Date: 10/26/2021	Analysis Date: 10/26/2021		SeqNo: 2920532				Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	49	10	50.00	0	97.1	68.9	135			
Surr: DNOP	4.6		5.000		91.7	70	130			

Sample ID: MB-63555	SampType: MBLK		TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: PBS	Batch ID: 63555		RunNo: 82349							
Prep Date: 10/26/2021	Analysis Date: 10/26/2021		SeqNo: 2920533				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	8.8		10.00		87.6	70	130			

Sample ID: LCS-63557	SampType: LCS		TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: LCSS	Batch ID: 63557		RunNo: 82349							
Prep Date: 10/26/2021	Analysis Date: 10/27/2021		SeqNo: 2922031				Units: %Rec			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	4.3		5.000		86.5	70	130			

Sample ID: MB-63557	SampType: MBLK		TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: PBS	Batch ID: 63557		RunNo: 82349							
Prep Date: 10/26/2021	Analysis Date: 10/27/2021		SeqNo: 2922032				Units: %Rec			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	11		10.00		113	70	130			

Sample ID: MB-63573	SampType: MBLK		TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: PBS	Batch ID: 63573		RunNo: 82349							
Prep Date: 10/26/2021	Analysis Date: 10/28/2021		SeqNo: 2923815				Units: %Rec			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	13		10.00		126	70	130			

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 range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2110B71

29-Oct-21

Client: ENSOLUM
Project: Douthit Federal 6

Sample ID: MB-Water	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: PBS	Batch ID: R82343	RunNo: 82343								
Prep Date:	Analysis Date: 10/26/2021	SeqNo: 2920234			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	1000		1000		102	70	130			

Sample ID: 2.5ug gro lcs	SampType: LCS	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: LCSS	Batch ID: R82343	RunNo: 82343								
Prep Date:	Analysis Date: 10/26/2021	SeqNo: 2920235			Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	26	5.0	25.00	0	103	78.6	131			
Surr: BFB	1100		1000		114	70	130			

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 range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2110B71
29-Oct-21

Client: ENSOLUM
Project: Douthit Federal 6

Sample ID: MB-Water	SampType: MBLK	TestCode: EPA Method 8021B: Volatiles								
Client ID: PBS	Batch ID: R82343	RunNo: 82343								
Prep Date:	Analysis Date: 10/26/2021	SeqNo: 2920236			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	1.0		1.000		103	70	130			

Sample ID: 100ng btex lcs	SampType: LCS	TestCode: EPA Method 8021B: Volatiles								
Client ID: LCSS	Batch ID: R82343	RunNo: 82343								
Prep Date:	Analysis Date: 10/26/2021	SeqNo: 2920237			Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.93	0.025	1.000	0	93.3	80	120			
Toluene	0.96	0.050	1.000	0	96.5	80	120			
Ethylbenzene	1.0	0.050	1.000	0	101	80	120			
Xylenes, Total	3.0	0.10	3.000	0	101	80	120			
Surr: 4-Bromofluorobenzene	1.0		1.000		102	70	130			

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 range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- 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: clients.hallenvironmental.com

Sample Log-In Check List

Client Name: ENSOLUM

Work Order Number: 2110B71

RcptNo: 1

Received By: Cheyenne Cason 10/26/2021 7:15:00 AM

Handwritten signature

Completed By: Desiree Dominguez 10/26/2021 8:16:15 AM

Handwritten signature

Reviewed By: JN 10/26/21

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: (<2 or >12 unless noted) Adjusted? Checked by: [signature] 10.26.21

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. Contains 2 rows of data.



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

November 02, 2021

Kyle Summers

ENSOLUM

606 S. Rio Grande Suite A

Aztec, NM 87410

TEL: (903) 821-5603

FAX:

RE: Douthit Federal 6

OrderNo.: 2110B72

Dear Kyle Summers:

Hall Environmental Analysis Laboratory received 13 sample(s) on 10/26/2021 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 **2110B72**

Date Reported: **11/2/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-3

Project: Douthit Federal 6

Collection Date: 10/25/2021 1:05:00 PM

Lab ID: 2110B72-001

Matrix: MEOH (SOIL)

Received Date: 10/26/2021 7:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	ND	60		mg/Kg	20	10/26/2021 1:10:48 PM	63562
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	10/26/2021 11:40:42 AM	63555
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	10/26/2021 11:40:42 AM	63555
Surr: DNOP	88.8	70-130		%Rec	1	10/26/2021 11:40:42 AM	63555
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	3.5		mg/Kg	1	10/26/2021 9:42:29 AM	G82361
Surr: BFB	105	70-130		%Rec	1	10/26/2021 9:42:29 AM	G82361
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.017		mg/Kg	1	10/26/2021 9:42:29 AM	B82361
Toluene	ND	0.035		mg/Kg	1	10/26/2021 9:42:29 AM	B82361
Ethylbenzene	ND	0.035		mg/Kg	1	10/26/2021 9:42:29 AM	B82361
Xylenes, Total	ND	0.070		mg/Kg	1	10/26/2021 9:42:29 AM	B82361
Surr: 4-Bromofluorobenzene	87.2	70-130		%Rec	1	10/26/2021 9:42:29 AM	B82361

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	Value above quantitation range
	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 range due to dilution or matrix		

Analytical Report

Lab Order **2110B72**

Date Reported: **11/2/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-4

Project: Douthit Federal 6

Collection Date: 10/25/2021 1:10:00 PM

Lab ID: 2110B72-002

Matrix: MEOH (SOIL)

Received Date: 10/26/2021 7:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	ND	61		mg/Kg	20	10/26/2021 1:23:12 PM	63562
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	10/26/2021 11:51:26 AM	63555
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	10/26/2021 11:51:26 AM	63555
Surr: DNOP	96.4	70-130		%Rec	1	10/26/2021 11:51:26 AM	63555
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	3.0		mg/Kg	1	10/26/2021 10:05:53 AM	G82361
Surr: BFB	106	70-130		%Rec	1	10/26/2021 10:05:53 AM	G82361
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.015		mg/Kg	1	10/26/2021 10:05:53 AM	B82361
Toluene	ND	0.030		mg/Kg	1	10/26/2021 10:05:53 AM	B82361
Ethylbenzene	ND	0.030		mg/Kg	1	10/26/2021 10:05:53 AM	B82361
Xylenes, Total	ND	0.059		mg/Kg	1	10/26/2021 10:05:53 AM	B82361
Surr: 4-Bromofluorobenzene	86.5	70-130		%Rec	1	10/26/2021 10:05:53 AM	B82361

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	Value above quantitation range
	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 range due to dilution or matrix		

Analytical Report

Lab Order **2110B72**

Date Reported: **11/2/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-5

Project: Douthit Federal 6

Collection Date: 10/25/2021 1:15:00 PM

Lab ID: 2110B72-003

Matrix: MEOH (SOIL)

Received Date: 10/26/2021 7:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	ND	60		mg/Kg	20	10/26/2021 1:35:37 PM	63562
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	100	9.2		mg/Kg	1	10/26/2021 12:02:12 PM	63555
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	10/26/2021 12:02:12 PM	63555
Surr: DNOP	72.3	70-130		%Rec	1	10/26/2021 12:02:12 PM	63555
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	1000	16		mg/Kg	5	10/26/2021 10:29:16 AM	G82361
Surr: BFB	823	70-130	S	%Rec	5	10/26/2021 10:29:16 AM	G82361
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	6.5	0.082		mg/Kg	5	10/26/2021 10:29:16 AM	B82361
Toluene	34	3.3		mg/Kg	100	10/26/2021 4:45:05 PM	B82361
Ethylbenzene	13	0.16		mg/Kg	5	10/26/2021 10:29:16 AM	B82361
Xylenes, Total	78	6.6		mg/Kg	100	10/26/2021 4:45:05 PM	B82361
Surr: 4-Bromofluorobenzene	181	70-130	S	%Rec	5	10/26/2021 10:29:16 AM	B82361

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	Value above quantitation range
	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 range due to dilution or matrix		

Analytical Report

Lab Order **2110B72**

Date Reported: **11/2/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-6

Project: Douthit Federal 6

Collection Date: 10/25/2021 1:20:00 PM

Lab ID: 2110B72-004

Matrix: MEOH (SOIL)

Received Date: 10/26/2021 7:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	ND	60		mg/Kg	20	10/26/2021 11:52:08 AM	63563
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	740	96		mg/Kg	10	10/26/2021 1:00:05 PM	63555
Motor Oil Range Organics (MRO)	1800	480		mg/Kg	10	10/26/2021 1:00:05 PM	63555
Surr: DNOP	0	70-130	S	%Rec	10	10/26/2021 1:00:05 PM	63555
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	3200	920		mg/Kg	200	10/26/2021 5:08:26 PM	G82361
Surr: BFB	129	70-130		%Rec	200	10/26/2021 5:08:26 PM	G82361
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	29	4.6		mg/Kg	200	10/26/2021 5:08:26 PM	B82361
Toluene	210	9.2		mg/Kg	200	10/26/2021 5:08:26 PM	B82361
Ethylbenzene	33	9.2		mg/Kg	200	10/26/2021 5:08:26 PM	B82361
Xylenes, Total	290	18		mg/Kg	200	10/26/2021 5:08:26 PM	B82361
Surr: 4-Bromofluorobenzene	88.2	70-130		%Rec	200	10/26/2021 5:08:26 PM	B82361

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	Value above quantitation range
	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 range due to dilution or matrix		

Analytical Report

Lab Order **2110B72**

Date Reported: **11/2/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-7

Project: Douthit Federal 6

Collection Date: 10/25/2021 1:25:00 PM

Lab ID: 2110B72-005

Matrix: MEOH (SOIL)

Received Date: 10/26/2021 7:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	ND	60		mg/Kg	20	10/26/2021 12:04:30 PM	63563
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	10/26/2021 12:12:55 PM	63555
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	10/26/2021 12:12:55 PM	63555
Surr: DNOP	77.1	70-130		%Rec	1	10/26/2021 12:12:55 PM	63555
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	18		mg/Kg	5	10/26/2021 5:31:41 PM	G82361
Surr: BFB	117	70-130		%Rec	5	10/26/2021 5:31:41 PM	G82361
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.092		mg/Kg	5	10/26/2021 5:31:41 PM	B82361
Toluene	ND	0.18		mg/Kg	5	10/26/2021 5:31:41 PM	B82361
Ethylbenzene	ND	0.18		mg/Kg	5	10/26/2021 5:31:41 PM	B82361
Xylenes, Total	0.74	0.37		mg/Kg	5	10/26/2021 5:31:41 PM	B82361
Surr: 4-Bromofluorobenzene	85.3	70-130		%Rec	5	10/26/2021 5:31:41 PM	B82361

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	Value above quantitation range
	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 range due to dilution or matrix		

Analytical Report

Lab Order **2110B72**

Date Reported: **11/2/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-8

Project: Douthit Federal 6

Collection Date: 10/25/2021 1:30:00 PM

Lab ID: 2110B72-006

Matrix: MEOH (SOIL)

Received Date: 10/26/2021 7:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	64	60		mg/Kg	20	10/26/2021 12:16:52 PM	63563
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	180	9.2		mg/Kg	1	10/26/2021 12:23:41 PM	63555
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	10/26/2021 12:23:41 PM	63555
Surr: DNOP	77.2	70-130		%Rec	1	10/26/2021 12:23:41 PM	63555
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	470	19		mg/Kg	5	10/26/2021 11:39:43 AM	G82361
Surr: BFB	448	70-130	S	%Rec	5	10/26/2021 11:39:43 AM	G82361
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	0.47	0.096		mg/Kg	5	10/26/2021 11:39:43 AM	B82361
Toluene	15	0.19		mg/Kg	5	10/26/2021 11:39:43 AM	B82361
Ethylbenzene	5.3	0.19		mg/Kg	5	10/26/2021 11:39:43 AM	B82361
Xylenes, Total	38	3.9		mg/Kg	50	10/26/2021 5:55:00 PM	B82361
Surr: 4-Bromofluorobenzene	124	70-130		%Rec	5	10/26/2021 11:39:43 AM	B82361

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	Value above quantitation range
	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 range due to dilution or matrix		

Analytical Report

Lab Order **2110B72**

Date Reported: **11/2/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-9

Project: Douthit Federal 6

Collection Date: 10/25/2021 1:35:00 PM

Lab ID: 2110B72-007

Matrix: MEOH (SOIL)

Received Date: 10/26/2021 7:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	200	60		mg/Kg	20	10/26/2021 12:29:14 PM	63563
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	10/26/2021 11:44:08 AM	63555
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	10/26/2021 11:44:08 AM	63555
Surr: DNOP	71.4	70-130		%Rec	1	10/26/2021 11:44:08 AM	63555
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	3.7		mg/Kg	1	10/26/2021 7:05:29 PM	G82361
Surr: BFB	106	70-130		%Rec	1	10/26/2021 7:05:29 PM	G82361
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.018		mg/Kg	1	10/26/2021 7:05:29 PM	B82361
Toluene	0.043	0.037		mg/Kg	1	10/26/2021 7:05:29 PM	B82361
Ethylbenzene	ND	0.037		mg/Kg	1	10/26/2021 7:05:29 PM	B82361
Xylenes, Total	0.15	0.073		mg/Kg	1	10/26/2021 7:05:29 PM	B82361
Surr: 4-Bromofluorobenzene	84.3	70-130		%Rec	1	10/26/2021 7:05:29 PM	B82361

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	Value above quantitation range
	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 range due to dilution or matrix		

Analytical Report

Lab Order **2110B72**

Date Reported: **11/2/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-10

Project: Douthit Federal 6

Collection Date: 10/25/2021 1:40:00 PM

Lab ID: 2110B72-008

Matrix: MEOH (SOIL)

Received Date: 10/26/2021 7:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	ND	60		mg/Kg	20	10/26/2021 12:41:35 PM	63563
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	170	9.2		mg/Kg	1	10/26/2021 12:34:25 PM	63555
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	10/26/2021 12:34:25 PM	63555
Surr: DNOP	80.0	70-130		%Rec	1	10/26/2021 12:34:25 PM	63555
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	730	16		mg/Kg	5	10/26/2021 12:26:57 PM	G82361
Surr: BFB	699	70-130	S	%Rec	5	10/26/2021 12:26:57 PM	G82361
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	1.1	0.082		mg/Kg	5	10/26/2021 12:26:57 PM	B82361
Toluene	20	1.6		mg/Kg	50	10/26/2021 7:28:58 PM	B82361
Ethylbenzene	7.5	0.16		mg/Kg	5	10/26/2021 12:26:57 PM	B82361
Xylenes, Total	52	3.3		mg/Kg	50	10/26/2021 7:28:58 PM	B82361
Surr: 4-Bromofluorobenzene	155	70-130	S	%Rec	5	10/26/2021 12:26:57 PM	B82361

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	Value above quantitation range
	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 range due to dilution or matrix		

Analytical Report

Lab Order **2110B72**

Date Reported: **11/2/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-11

Project: Douthit Federal 6

Collection Date: 10/25/2021 1:45:00 PM

Lab ID: 2110B72-009

Matrix: MEOH (SOIL)

Received Date: 10/26/2021 7:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	ND	59		mg/Kg	20	10/26/2021 12:53:56 PM	63563
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	240	9.7		mg/Kg	1	10/26/2021 12:45:12 PM	63555
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	10/26/2021 12:45:12 PM	63555
Surr: DNOP	80.2	70-130		%Rec	1	10/26/2021 12:45:12 PM	63555
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	1100	17		mg/Kg	5	10/26/2021 1:14:02 PM	G82361
Surr: BFB	764	70-130	S	%Rec	5	10/26/2021 1:14:02 PM	G82361
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	2.6	0.087		mg/Kg	5	10/26/2021 1:14:02 PM	B82361
Toluene	51	1.7		mg/Kg	50	10/26/2021 7:52:29 PM	B82361
Ethylbenzene	12	0.17		mg/Kg	5	10/26/2021 1:14:02 PM	B82361
Xylenes, Total	110	3.5		mg/Kg	50	10/26/2021 7:52:29 PM	B82361
Surr: 4-Bromofluorobenzene	160	70-130	S	%Rec	5	10/26/2021 1:14:02 PM	B82361

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	Value above quantitation range
	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 range due to dilution or matrix		

Analytical Report

Lab Order **2110B72**

Date Reported: **11/2/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-12

Project: Douthit Federal 6

Collection Date: 10/25/2021 1:50:00 PM

Lab ID: 2110B72-010

Matrix: MEOH (SOIL)

Received Date: 10/26/2021 7:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	ND	60		mg/Kg	20	10/26/2021 1:06:19 PM	63563
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	39	9.8		mg/Kg	1	10/26/2021 12:55:59 PM	63555
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	10/26/2021 12:55:59 PM	63555
Surr: DNOP	82.9	70-130		%Rec	1	10/26/2021 12:55:59 PM	63555
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	230	19		mg/Kg	5	10/26/2021 1:37:33 PM	G82361
Surr: BFB	290	70-130	S	%Rec	5	10/26/2021 1:37:33 PM	G82361
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	0.39	0.095		mg/Kg	5	10/26/2021 1:37:33 PM	B82361
Toluene	7.2	0.19		mg/Kg	5	10/26/2021 1:37:33 PM	B82361
Ethylbenzene	1.8	0.19		mg/Kg	5	10/26/2021 1:37:33 PM	B82361
Xylenes, Total	17	0.38		mg/Kg	5	10/26/2021 1:37:33 PM	B82361
Surr: 4-Bromofluorobenzene	102	70-130		%Rec	5	10/26/2021 1:37:33 PM	B82361

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	Value above quantitation range
	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 range due to dilution or matrix		

Analytical Report

Lab Order **2110B72**

Date Reported: **11/2/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-13

Project: Douthit Federal 6

Collection Date: 10/25/2021 1:55:00 PM

Lab ID: 2110B72-011

Matrix: MEOH (SOIL)

Received Date: 10/26/2021 7:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	ND	60		mg/Kg	20	10/26/2021 1:18:41 PM	63563
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	81	9.5		mg/Kg	1	10/29/2021 10:36:23 AM	63555
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	10/29/2021 10:36:23 AM	63555
Surr: DNOP	98.2	70-130		%Rec	1	10/29/2021 10:36:23 AM	63555
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	1100	17		mg/Kg	5	10/26/2021 2:01:02 PM	G82361
Surr: BFB	830	70-130	S	%Rec	5	10/26/2021 2:01:02 PM	G82361
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	4.2	0.085		mg/Kg	5	10/26/2021 2:01:02 PM	B82361
Toluene	51	1.7		mg/Kg	50	10/26/2021 8:15:47 PM	B82361
Ethylbenzene	8.8	0.17		mg/Kg	5	10/26/2021 2:01:02 PM	B82361
Xylenes, Total	73	3.4		mg/Kg	50	10/26/2021 8:15:47 PM	B82361
Surr: 4-Bromofluorobenzene	153	70-130	S	%Rec	5	10/26/2021 2:01:02 PM	B82361

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	Value above quantitation range
	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 range due to dilution or matrix		

Analytical Report

Lab Order **2110B72**

Date Reported: **11/2/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-14

Project: Douthit Federal 6

Collection Date: 10/25/2021 2:00:00 PM

Lab ID: 2110B72-012

Matrix: MEOH (SOIL)

Received Date: 10/26/2021 7:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	150	60		mg/Kg	20	10/26/2021 1:55:44 PM	63563
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	10/26/2021 11:56:56 AM	63555
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	10/26/2021 11:56:56 AM	63555
Surr: DNOP	91.6	70-130		%Rec	1	10/26/2021 11:56:56 AM	63555
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	3.5		mg/Kg	1	10/26/2021 2:24:29 PM	G82361
Surr: BFB	120	70-130		%Rec	1	10/26/2021 2:24:29 PM	G82361
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.017		mg/Kg	1	10/26/2021 2:24:29 PM	B82361
Toluene	ND	0.035		mg/Kg	1	10/26/2021 2:24:29 PM	B82361
Ethylbenzene	ND	0.035		mg/Kg	1	10/26/2021 2:24:29 PM	B82361
Xylenes, Total	ND	0.069		mg/Kg	1	10/26/2021 2:24:29 PM	B82361
Surr: 4-Bromofluorobenzene	83.9	70-130		%Rec	1	10/26/2021 2:24:29 PM	B82361

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	Value above quantitation range
	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 range due to dilution or matrix		

Analytical Report

Lab Order **2110B72**

Date Reported: **11/2/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-15

Project: Douthit Federal 6

Collection Date: 10/25/2021 2:05:00 PM

Lab ID: 2110B72-013

Matrix: MEOH (SOIL)

Received Date: 10/26/2021 7:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	140	60		mg/Kg	20	10/26/2021 2:08:06 PM	63563
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	10/26/2021 11:23:49 AM	63556
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	10/26/2021 11:23:49 AM	63556
Surr: DNOP	97.0	70-130		%Rec	1	10/26/2021 11:23:49 AM	63556
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	18		mg/Kg	5	10/26/2021 2:47:55 PM	G82361
Surr: BFB	110	70-130		%Rec	5	10/26/2021 2:47:55 PM	G82361
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.088		mg/Kg	5	10/26/2021 2:47:55 PM	B82361
Toluene	ND	0.18		mg/Kg	5	10/26/2021 2:47:55 PM	B82361
Ethylbenzene	ND	0.18		mg/Kg	5	10/26/2021 2:47:55 PM	B82361
Xylenes, Total	ND	0.35		mg/Kg	5	10/26/2021 2:47:55 PM	B82361
Surr: 4-Bromofluorobenzene	82.5	70-130		%Rec	5	10/26/2021 2:47:55 PM	B82361

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	Value above quantitation range
	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 range due to dilution or matrix		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2110B72

02-Nov-21

Client: ENSOLUM
Project: Douthit Federal 6

Sample ID: MB-63563	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 63563	RunNo: 82360								
Prep Date: 10/26/2021	Analysis Date: 10/26/2021	SeqNo: 2921856	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-63563	SampType: ics	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 63563	RunNo: 82360								
Prep Date: 10/26/2021	Analysis Date: 10/26/2021	SeqNo: 2921857	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	91.1	90	110			

Sample ID: MB-63562	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 63562	RunNo: 82359								
Prep Date: 10/26/2021	Analysis Date: 10/26/2021	SeqNo: 2922227	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-63562	SampType: ics	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 63562	RunNo: 82359								
Prep Date: 10/26/2021	Analysis Date: 10/26/2021	SeqNo: 2922228	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 range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2110B72

02-Nov-21

Client: ENSOLUM
Project: Douthit Federal 6

Sample ID: LCS-63555	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 63555	RunNo: 82349								
Prep Date: 10/26/2021	Analysis Date: 10/26/2021	SeqNo: 2920532	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	49	10	50.00	0	97.1	68.9	135			
Surr: DNOP	4.6		5.000		91.7	70	130			

Sample ID: MB-63555	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 63555	RunNo: 82349								
Prep Date: 10/26/2021	Analysis Date: 10/26/2021	SeqNo: 2920533	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	8.8		10.00		87.6	70	130			

Sample ID: 2110B72-013AMS	SampType: MS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: S-15	Batch ID: 63556	RunNo: 82354								
Prep Date: 10/26/2021	Analysis Date: 10/26/2021	SeqNo: 2920787	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	48	10	49.75	0	96.8	39.3	155			
Surr: DNOP	4.8		4.975		96.2	70	130			

Sample ID: 2110B72-013AMSD	SampType: MSD	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: S-15	Batch ID: 63556	RunNo: 82354								
Prep Date: 10/26/2021	Analysis Date: 10/26/2021	SeqNo: 2920788	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	48	9.8	49.21	0	98.2	39.3	155	0.320	23.4	
Surr: DNOP	4.8		4.921		97.9	70	130	0	0	

Sample ID: LCS-63556	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 63556	RunNo: 82354								
Prep Date: 10/26/2021	Analysis Date: 10/26/2021	SeqNo: 2920789	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	50	10	50.00	0	100	68.9	135			
Surr: DNOP	5.0		5.000		101	70	130			

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 range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2110B72

02-Nov-21

Client: ENSOLUM
Project: Douthit Federal 6

Sample ID: MB-63556	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 63556	RunNo: 82354								
Prep Date: 10/26/2021	Analysis Date: 10/26/2021	SeqNo: 2920790			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	9.7		10.00		96.6	70	130			

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 range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2110B72

02-Nov-21

Client: ENSOLUM
Project: Douthit Federal 6

Sample ID: mb	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: PBS	Batch ID: G82361	RunNo: 82361								
Prep Date:	Analysis Date: 10/26/2021	SeqNo: 2921248	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	1000		1000		105	70	130			

Sample ID: 2.5ug gro lcs	SampType: LCS	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: LCSS	Batch ID: G82361	RunNo: 82361								
Prep Date:	Analysis Date: 10/26/2021	SeqNo: 2921249	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	28	5.0	25.00	0	113	78.6	131			
Surr: BFB	1200		1000		115	70	130			

Sample ID: 2110b72-001ams	SampType: MS	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: S-3	Batch ID: G82361	RunNo: 82361								
Prep Date:	Analysis Date: 10/26/2021	SeqNo: 2921250	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	18	3.5	17.49	0	103	61.3	114			
Surr: BFB	790		699.8		112	70	130			

Sample ID: 2110b72-001amsd	SampType: MSD	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: S-3	Batch ID: G82361	RunNo: 82361								
Prep Date:	Analysis Date: 10/26/2021	SeqNo: 2921251	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	21	3.5	17.49	0	123	61.3	114	17.8	20	S
Surr: BFB	790		699.8		112	70	130	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 range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2110B72

02-Nov-21

Client: ENSOLUM
Project: Douthit Federal 6

Sample ID: mb	SampType: MBLK	TestCode: EPA Method 8021B: Volatiles								
Client ID: PBS	Batch ID: B82361	RunNo: 82361								
Prep Date:	Analysis Date: 10/26/2021	SeqNo: 2921279	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	0.86		1.000		85.9	70	130			

Sample ID: 100ng btex lcs	SampType: LCS	TestCode: EPA Method 8021B: Volatiles								
Client ID: LCSS	Batch ID: B82361	RunNo: 82361								
Prep Date:	Analysis Date: 10/26/2021	SeqNo: 2921280	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.91	0.025	1.000	0	91.0	80	120			
Toluene	0.93	0.050	1.000	0	93.5	80	120			
Ethylbenzene	0.93	0.050	1.000	0	92.9	80	120			
Xylenes, Total	2.7	0.10	3.000	0	91.1	80	120			
Surr: 4-Bromofluorobenzene	0.85		1.000		84.8	70	130			

Sample ID: 2110b72-002ams	SampType: MS	TestCode: EPA Method 8021B: Volatiles								
Client ID: S-4	Batch ID: B82361	RunNo: 82361								
Prep Date:	Analysis Date: 10/26/2021	SeqNo: 2921281	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.51	0.015	0.5928	0	85.4	80	120			
Toluene	0.53	0.030	0.5928	0	88.8	80	120			
Ethylbenzene	0.52	0.030	0.5928	0	87.3	80	120			
Xylenes, Total	1.5	0.059	1.778	0	85.6	80	120			
Surr: 4-Bromofluorobenzene	0.49		0.5928		82.6	70	130			

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 range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- 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: clients.hallenvironmental.com

Sample Log-In Check List

Client Name: ENSOLUM

Work Order Number: 2110B72

RcptNo: 1

Received By: Cheyenne Cason 10/26/2021 7:15:00 AM

Handwritten signature

Completed By: Desiree Dominguez 10/26/2021 8:21:56 AM

Handwritten signature

Reviewed By: [Handwritten initials]

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 []

(Note discrepancies on chain of custody)

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 []

(If no, notify customer for authorization.)

of preserved bottles checked for pH:

(<2 or >12 unless noted)

Adjusted? []

Checked by: TMC 10/26/21

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. Contains 2 rows of data.

Chain-of-Custody Record

Client: Ensolum, LLC

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

Phone #: _____
email or Fax#: ksummer@ensolum.com

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

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

Turn-Around Time: SAME DAY

Standard Rush 100%

Project Name: Douthitt Federal 6

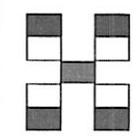
Project #: See notes

Project Manager: ksummer

Sampler: R Dechilly
On Ice: Yes No

of Coolers: 2 4.6-0 = 4.6
Cooler Temp (including CF): 5.3-0 = 5.3 (°C)

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.
10/25/21	1305	S	S-3	1x 4oz Jar	cool	-001
10/25/21	1310	S	S-4	1x 4oz Jar	cool	-002
10/25/21	1315	S	S-5	1x 4oz Jar	cool	-003
10/25/21	1320	S	S-6	1x 4oz Jar	cool	-004
10/25/21	1325	S	S-7	1x 4oz Jar	cool	-005
10/25/21	1330	S	S-8	1x 4oz Jar	cool	-006
10/25/21	1335	S	S-9	1x 4oz Jar	cool	-007
10/25/21	1340	S	S-10	1x 4oz Jar	cool	-008
10/25/21	1345	S	S-11	1x 4oz Jar	cool	-009
10/25/21	1350	S	S-12	1x 4oz Jar	cool	-010
10/25/21	1355	S	S-13	1x 4oz Jar	cool	-011
10/25/21	1400	S	S-14	1x 4oz Jar	cool	-012



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 / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO ₃ , NO ₂ , PO ₄ , SO ₄	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)	Chloride	
X	X								X		
X	X								X		
X	X								X		
X	X								X		
X	X								X		
X	X								X		
X	X								X		
X	X								X		
X	X								X		
X	X								X		

Date: 10/25/21 Time: 1600 Relinquished by: [Signature]
Received by: [Signature] Via: _____ Date: 10/25/21 Time: 1600

Date: 10/25/21 Time: 1930 Relinquished by: [Signature]
Received by: [Signature] Via: _____ Date: 10/26/21 Time: 0715

Remarks: SAME DAY PM (Tom Long - EPR00)
Day Key - RB21200
NON AFE N55008

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



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

November 05, 2021

Kyle Summers

ENSOLUM

606 S. Rio Grande Suite A

Aztec, NM 87410

TEL: (903) 821-5603

FAX:

RE: Douthit Federal 6

OrderNo.: 2111125

Dear Kyle Summers:

Hall Environmental Analysis Laboratory received 23 sample(s) on 11/3/2021 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 light blue horizontal line.

Andy Freeman

Laboratory Manager

4901 Hawkins NE

Albuquerque, NM 87109

Analytical Report

Lab Order 2111125

Date Reported: 11/5/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-16

Project: Douthit Federal 6

Collection Date: 11/2/2021 10:05:00 AM

Lab ID: 2111125-001

Matrix: MEOH (SOIL)

Received Date: 11/3/2021 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	ND	60		mg/Kg	20	11/3/2021 10:35:07 AM	63727
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	25	9.3		mg/Kg	1	11/3/2021 10:57:21 AM	63724
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	11/3/2021 10:57:21 AM	63724
Surr: DNOP	77.8	70-130		%Rec	1	11/3/2021 10:57:21 AM	63724
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	340	18		mg/Kg	5	11/3/2021 9:22:00 AM	R82537
Surr: BFB	353	70-130	S	%Rec	5	11/3/2021 9:22:00 AM	R82537
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	2.5	0.092		mg/Kg	5	11/3/2021 9:22:00 AM	R82537
Toluene	21	0.74		mg/Kg	20	11/3/2021 2:34:00 PM	R82537
Ethylbenzene	8.2	0.18		mg/Kg	5	11/3/2021 9:22:00 AM	R82537
Xylenes, Total	51	1.5		mg/Kg	20	11/3/2021 2:34:00 PM	R82537
Surr: 4-Bromofluorobenzene	158	70-130	S	%Rec	5	11/3/2021 9:22:00 AM	R82537

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	Value above quantitation range
	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 range due to dilution or matrix interference		

Analytical Report

Lab Order 2111125

Date Reported: 11/5/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-17

Project: Douthit Federal 6

Collection Date: 11/2/2021 10:10:00 AM

Lab ID: 2111125-002

Matrix: MEOH (SOIL)

Received Date: 11/3/2021 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	ND	60		mg/Kg	20	11/3/2021 10:47:31 AM	63727
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	22	9.6		mg/Kg	1	11/3/2021 11:09:24 AM	63724
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	11/3/2021 11:09:24 AM	63724
Surr: DNOP	84.6	70-130		%Rec	1	11/3/2021 11:09:24 AM	63724
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	180	17		mg/Kg	5	11/3/2021 9:41:00 AM	R82537
Surr: BFB	294	70-130	S	%Rec	5	11/3/2021 9:41:00 AM	R82537
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	0.16	0.087		mg/Kg	5	11/3/2021 9:41:00 AM	R82537
Toluene	4.8	0.17		mg/Kg	5	11/3/2021 9:41:00 AM	R82537
Ethylbenzene	4.5	0.17		mg/Kg	5	11/3/2021 9:41:00 AM	R82537
Xylenes, Total	32	0.35		mg/Kg	5	11/3/2021 9:41:00 AM	R82537
Surr: 4-Bromofluorobenzene	152	70-130	S	%Rec	5	11/3/2021 9:41:00 AM	R82537

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	Value above quantitation range
	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 range due to dilution or matrix interference		

Analytical Report

Lab Order 2111125

Date Reported: 11/5/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-18

Project: Douthit Federal 6

Collection Date: 11/2/2021 10:15:00 AM

Lab ID: 2111125-003

Matrix: MEOH (SOIL)

Received Date: 11/3/2021 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	ND	60		mg/Kg	20	11/3/2021 10:59:55 AM	63727
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	11/3/2021 11:21:30 AM	63724
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	11/3/2021 11:21:30 AM	63724
Surr: DNOP	80.4	70-130		%Rec	1	11/3/2021 11:21:30 AM	63724
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	ND	17		mg/Kg	5	11/3/2021 10:00:00 AM	R82537
Surr: BFB	114	70-130		%Rec	5	11/3/2021 10:00:00 AM	R82537
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.083		mg/Kg	5	11/3/2021 10:00:00 AM	R82537
Toluene	ND	0.17		mg/Kg	5	11/3/2021 10:00:00 AM	R82537
Ethylbenzene	ND	0.17		mg/Kg	5	11/3/2021 10:00:00 AM	R82537
Xylenes, Total	ND	0.33		mg/Kg	5	11/3/2021 10:00:00 AM	R82537
Surr: 4-Bromofluorobenzene	99.6	70-130		%Rec	5	11/3/2021 10:00:00 AM	R82537

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	Value above quantitation range
	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 range due to dilution or matrix interference		

Analytical Report

Lab Order 2111125

Date Reported: 11/5/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-19

Project: Douthit Federal 6

Collection Date: 11/2/2021 10:20:00 AM

Lab ID: 2111125-004

Matrix: MEOH (SOIL)

Received Date: 11/3/2021 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	ND	60		mg/Kg	20	11/3/2021 11:12:20 AM	63727
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	11/3/2021 11:33:53 AM	63724
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	11/3/2021 11:33:53 AM	63724
Surr: DNOP	86.5	70-130		%Rec	1	11/3/2021 11:33:53 AM	63724
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	20	17		mg/Kg	5	11/3/2021 10:20:00 AM	R82537
Surr: BFB	125	70-130		%Rec	5	11/3/2021 10:20:00 AM	R82537
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.087		mg/Kg	5	11/3/2021 10:20:00 AM	R82537
Toluene	ND	0.17		mg/Kg	5	11/3/2021 10:20:00 AM	R82537
Ethylbenzene	0.23	0.17		mg/Kg	5	11/3/2021 10:20:00 AM	R82537
Xylenes, Total	2.0	0.35		mg/Kg	5	11/3/2021 10:20:00 AM	R82537
Surr: 4-Bromofluorobenzene	100	70-130		%Rec	5	11/3/2021 10:20:00 AM	R82537

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	Value above quantitation range
	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 range due to dilution or matrix interference		

Analytical Report

Lab Order 2111125

Date Reported: 11/5/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-20

Project: Douthit Federal 6

Collection Date: 11/2/2021 10:25:00 AM

Lab ID: 2111125-005

Matrix: MEOH (SOIL)

Received Date: 11/3/2021 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	ND	60		mg/Kg	20	11/3/2021 11:24:45 AM	63727
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	11/3/2021 11:46:11 AM	63724
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	11/3/2021 11:46:11 AM	63724
Surr: DNOP	85.8	70-130		%Rec	1	11/3/2021 11:46:11 AM	63724
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	20	19		mg/Kg	5	11/3/2021 10:39:00 AM	R82537
Surr: BFB	127	70-130		%Rec	5	11/3/2021 10:39:00 AM	R82537
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.093		mg/Kg	5	11/3/2021 10:39:00 AM	R82537
Toluene	ND	0.19		mg/Kg	5	11/3/2021 10:39:00 AM	R82537
Ethylbenzene	ND	0.19		mg/Kg	5	11/3/2021 10:39:00 AM	R82537
Xylenes, Total	1.1	0.37		mg/Kg	5	11/3/2021 10:39:00 AM	R82537
Surr: 4-Bromofluorobenzene	102	70-130		%Rec	5	11/3/2021 10:39:00 AM	R82537

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	Value above quantitation range
	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 range due to dilution or matrix interference		

Analytical Report

Lab Order 2111125

Date Reported: 11/5/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-21

Project: Douthit Federal 6

Collection Date: 11/2/2021 10:30:00 AM

Lab ID: 2111125-006

Matrix: MEOH (SOIL)

Received Date: 11/3/2021 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	ND	60		mg/Kg	20	11/3/2021 11:37:10 AM	63727
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	11/3/2021 11:58:48 AM	63724
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	11/3/2021 11:58:48 AM	63724
Surr: DNOP	84.6	70-130		%Rec	1	11/3/2021 11:58:48 AM	63724
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	ND	18		mg/Kg	5	11/3/2021 10:59:00 AM	R82537
Surr: BFB	125	70-130		%Rec	5	11/3/2021 10:59:00 AM	R82537
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.091		mg/Kg	5	11/3/2021 10:59:00 AM	R82537
Toluene	ND	0.18		mg/Kg	5	11/3/2021 10:59:00 AM	R82537
Ethylbenzene	ND	0.18		mg/Kg	5	11/3/2021 10:59:00 AM	R82537
Xylenes, Total	1.3	0.36		mg/Kg	5	11/3/2021 10:59:00 AM	R82537
Surr: 4-Bromofluorobenzene	106	70-130		%Rec	5	11/3/2021 10:59:00 AM	R82537

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	Value above quantitation range
	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 range due to dilution or matrix interference		

Analytical Report

Lab Order 2111125

Date Reported: 11/5/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-22

Project: Douthit Federal 6

Collection Date: 11/2/2021 10:35:00 AM

Lab ID: 2111125-007

Matrix: MEOH (SOIL)

Received Date: 11/3/2021 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	ND	60		mg/Kg	20	11/3/2021 12:14:24 PM	63727
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	11/3/2021 12:11:27 PM	63724
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	11/3/2021 12:11:27 PM	63724
Surr: DNOP	81.3	70-130		%Rec	1	11/3/2021 12:11:27 PM	63724
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	ND	16		mg/Kg	5	11/3/2021 11:18:00 AM	R82537
Surr: BFB	101	70-130		%Rec	5	11/3/2021 11:18:00 AM	R82537
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.078		mg/Kg	5	11/3/2021 11:18:00 AM	R82537
Toluene	ND	0.16		mg/Kg	5	11/3/2021 11:18:00 AM	R82537
Ethylbenzene	ND	0.16		mg/Kg	5	11/3/2021 11:18:00 AM	R82537
Xylenes, Total	ND	0.31		mg/Kg	5	11/3/2021 11:18:00 AM	R82537
Surr: 4-Bromofluorobenzene	104	70-130		%Rec	5	11/3/2021 11:18:00 AM	R82537

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	Value above quantitation range
	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 range due to dilution or matrix interference		

Analytical Report

Lab Order 2111125

Date Reported: 11/5/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-23

Project: Douthit Federal 6

Collection Date: 11/2/2021 10:40:00 AM

Lab ID: 2111125-008

Matrix: MEOH (SOIL)

Received Date: 11/3/2021 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	ND	60		mg/Kg	20	11/3/2021 12:26:49 PM	63727
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	11/3/2021 12:24:13 PM	63724
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	11/3/2021 12:24:13 PM	63724
Surr: DNOP	85.8	70-130		%Rec	1	11/3/2021 12:24:13 PM	63724
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	ND	15		mg/Kg	5	11/3/2021 11:38:00 AM	R82537
Surr: BFB	104	70-130		%Rec	5	11/3/2021 11:38:00 AM	R82537
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.077		mg/Kg	5	11/3/2021 11:38:00 AM	R82537
Toluene	ND	0.15		mg/Kg	5	11/3/2021 11:38:00 AM	R82537
Ethylbenzene	ND	0.15		mg/Kg	5	11/3/2021 11:38:00 AM	R82537
Xylenes, Total	ND	0.31		mg/Kg	5	11/3/2021 11:38:00 AM	R82537
Surr: 4-Bromofluorobenzene	106	70-130		%Rec	5	11/3/2021 11:38:00 AM	R82537

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	Value above quantitation range
	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 range due to dilution or matrix interference		

Analytical Report

Lab Order 2111125

Date Reported: 11/5/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-24

Project: Douthit Federal 6

Collection Date: 11/2/2021 10:45:00 AM

Lab ID: 2111125-009

Matrix: MEOH (SOIL)

Received Date: 11/3/2021 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	ND	60		mg/Kg	20	11/3/2021 12:39:13 PM	63727
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.0		mg/Kg	1	11/3/2021 12:36:54 PM	63724
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	11/3/2021 12:36:54 PM	63724
Surr: DNOP	83.2	70-130		%Rec	1	11/3/2021 12:36:54 PM	63724
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	ND	16		mg/Kg	5	11/3/2021 11:57:00 AM	R82537
Surr: BFB	104	70-130		%Rec	5	11/3/2021 11:57:00 AM	R82537
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.081		mg/Kg	5	11/3/2021 11:57:00 AM	R82537
Toluene	ND	0.16		mg/Kg	5	11/3/2021 11:57:00 AM	R82537
Ethylbenzene	ND	0.16		mg/Kg	5	11/3/2021 11:57:00 AM	R82537
Xylenes, Total	ND	0.32		mg/Kg	5	11/3/2021 11:57:00 AM	R82537
Surr: 4-Bromofluorobenzene	108	70-130		%Rec	5	11/3/2021 11:57:00 AM	R82537

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	Value above quantitation range
	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 range due to dilution or matrix interference		

Analytical Report

Lab Order 2111125

Date Reported: 11/5/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-25

Project: Douthit Federal 6

Collection Date: 11/2/2021 10:50:00 AM

Lab ID: 2111125-010

Matrix: MEOH (SOIL)

Received Date: 11/3/2021 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	ND	60		mg/Kg	20	11/3/2021 12:51:38 PM	63727
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	11/3/2021 12:49:54 PM	63724
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	11/3/2021 12:49:54 PM	63724
Surr: DNOP	84.7	70-130		%Rec	1	11/3/2021 12:49:54 PM	63724
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	ND	19		mg/Kg	5	11/3/2021 12:37:00 PM	R82537
Surr: BFB	103	70-130		%Rec	5	11/3/2021 12:37:00 PM	R82537
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.096		mg/Kg	5	11/3/2021 12:37:00 PM	R82537
Toluene	ND	0.19		mg/Kg	5	11/3/2021 12:37:00 PM	R82537
Ethylbenzene	ND	0.19		mg/Kg	5	11/3/2021 12:37:00 PM	R82537
Xylenes, Total	ND	0.38		mg/Kg	5	11/3/2021 12:37:00 PM	R82537
Surr: 4-Bromofluorobenzene	109	70-130		%Rec	5	11/3/2021 12:37:00 PM	R82537

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	Value above quantitation range
	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 range due to dilution or matrix interference		

Analytical Report

Lab Order 2111125

Date Reported: 11/5/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-26

Project: Douthit Federal 6

Collection Date: 11/2/2021 10:55:00 AM

Lab ID: 2111125-011

Matrix: MEOH (SOIL)

Received Date: 11/3/2021 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	ND	60		mg/Kg	20	11/3/2021 1:04:03 PM	63727
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	11/3/2021 1:02:49 PM	63724
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	11/3/2021 1:02:49 PM	63724
Surr: DNOP	87.2	70-130		%Rec	1	11/3/2021 1:02:49 PM	63724
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	ND	3.3		mg/Kg	1	11/3/2021 12:56:00 PM	R82537
Surr: BFB	110	70-130		%Rec	1	11/3/2021 12:56:00 PM	R82537
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.016		mg/Kg	1	11/3/2021 12:56:00 PM	R82537
Toluene	ND	0.033		mg/Kg	1	11/3/2021 12:56:00 PM	R82537
Ethylbenzene	ND	0.033		mg/Kg	1	11/3/2021 12:56:00 PM	R82537
Xylenes, Total	ND	0.066		mg/Kg	1	11/3/2021 12:56:00 PM	R82537
Surr: 4-Bromofluorobenzene	108	70-130		%Rec	1	11/3/2021 12:56:00 PM	R82537

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	Value above quantitation range
	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 range due to dilution or matrix interference		

Analytical Report

Lab Order 2111125

Date Reported: 11/5/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-27

Project: Douthit Federal 6

Collection Date: 11/2/2021 11:00:00 AM

Lab ID: 2111125-012

Matrix: MEOH (SOIL)

Received Date: 11/3/2021 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	92	60		mg/Kg	20	11/3/2021 10:45:14 AM	63728
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.0		mg/Kg	1	11/3/2021 1:16:12 PM	63724
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	11/3/2021 1:16:12 PM	63724
Surr: DNOP	91.4	70-130		%Rec	1	11/3/2021 1:16:12 PM	63724
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	ND	3.1		mg/Kg	1	11/3/2021 1:16:00 PM	R82537
Surr: BFB	94.6	70-130		%Rec	1	11/3/2021 1:16:00 PM	R82537
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.015		mg/Kg	1	11/3/2021 1:16:00 PM	R82537
Toluene	ND	0.031		mg/Kg	1	11/3/2021 1:16:00 PM	R82537
Ethylbenzene	ND	0.031		mg/Kg	1	11/3/2021 1:16:00 PM	R82537
Xylenes, Total	ND	0.062		mg/Kg	1	11/3/2021 1:16:00 PM	R82537
Surr: 4-Bromofluorobenzene	102	70-130		%Rec	1	11/3/2021 1:16:00 PM	R82537

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	Value above quantitation range
	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 range due to dilution or matrix interference		

Analytical Report

Lab Order 2111125

Date Reported: 11/5/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-28

Project: Douthit Federal 6

Collection Date: 11/2/2021 11:05:00 AM

Lab ID: 2111125-013

Matrix: MEOH (SOIL)

Received Date: 11/3/2021 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	ND	60		mg/Kg	20	11/3/2021 10:57:39 AM	63728
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	11/3/2021 1:29:21 PM	63724
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	11/3/2021 1:29:21 PM	63724
Surr: DNOP	90.4	70-130		%Rec	1	11/3/2021 1:29:21 PM	63724
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	ND	3.5		mg/Kg	1	11/3/2021 1:36:00 PM	R82537
Surr: BFB	101	70-130		%Rec	1	11/3/2021 1:36:00 PM	R82537
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.018		mg/Kg	1	11/3/2021 1:36:00 PM	R82537
Toluene	ND	0.035		mg/Kg	1	11/3/2021 1:36:00 PM	R82537
Ethylbenzene	ND	0.035		mg/Kg	1	11/3/2021 1:36:00 PM	R82537
Xylenes, Total	ND	0.071		mg/Kg	1	11/3/2021 1:36:00 PM	R82537
Surr: 4-Bromofluorobenzene	107	70-130		%Rec	1	11/3/2021 1:36:00 PM	R82537

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	Value above quantitation range
	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 range due to dilution or matrix interference		

Analytical Report

Lab Order 2111125

Date Reported: 11/5/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-29

Project: Douthit Federal 6

Collection Date: 11/2/2021 11:10:00 AM

Lab ID: 2111125-014

Matrix: MEOH (SOIL)

Received Date: 11/3/2021 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	ND	60		mg/Kg	20	11/3/2021 11:10:03 AM	63728
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	11/3/2021 1:42:40 PM	63724
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	11/3/2021 1:42:40 PM	63724
Surr: DNOP	91.0	70-130		%Rec	1	11/3/2021 1:42:40 PM	63724
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	ND	3.0		mg/Kg	1	11/3/2021 1:55:00 PM	R82537
Surr: BFB	95.3	70-130		%Rec	1	11/3/2021 1:55:00 PM	R82537
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.015		mg/Kg	1	11/3/2021 1:55:00 PM	R82537
Toluene	ND	0.030		mg/Kg	1	11/3/2021 1:55:00 PM	R82537
Ethylbenzene	ND	0.030		mg/Kg	1	11/3/2021 1:55:00 PM	R82537
Xylenes, Total	ND	0.060		mg/Kg	1	11/3/2021 1:55:00 PM	R82537
Surr: 4-Bromofluorobenzene	97.4	70-130		%Rec	1	11/3/2021 1:55:00 PM	R82537

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	Value above quantitation range
	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 range due to dilution or matrix interference		

Analytical Report

Lab Order 2111125

Date Reported: 11/5/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-30

Project: Douthit Federal 6

Collection Date: 11/2/2021 11:15:00 AM

Lab ID: 2111125-015

Matrix: MEOH (SOIL)

Received Date: 11/3/2021 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	72	60		mg/Kg	20	11/3/2021 11:22:27 AM	63728
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	7.9		mg/Kg	1	11/3/2021 1:54:51 PM	63724
Motor Oil Range Organics (MRO)	ND	40		mg/Kg	1	11/3/2021 1:54:51 PM	63724
Surr: DNOP	89.6	70-130		%Rec	1	11/3/2021 1:54:51 PM	63724
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	ND	17		mg/Kg	5	11/3/2021 2:15:00 PM	R82537
Surr: BFB	94.5	70-130		%Rec	5	11/3/2021 2:15:00 PM	R82537
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.084		mg/Kg	5	11/3/2021 2:15:00 PM	R82537
Toluene	ND	0.17		mg/Kg	5	11/3/2021 2:15:00 PM	R82537
Ethylbenzene	ND	0.17		mg/Kg	5	11/3/2021 2:15:00 PM	R82537
Xylenes, Total	ND	0.33		mg/Kg	5	11/3/2021 2:15:00 PM	R82537
Surr: 4-Bromofluorobenzene	103	70-130		%Rec	5	11/3/2021 2:15:00 PM	R82537

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	Value above quantitation range
	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 range due to dilution or matrix interference		

Analytical Report

Lab Order 2111125

Date Reported: 11/5/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-31

Project: Douthit Federal 6

Collection Date: 11/2/2021 11:20:00 AM

Lab ID: 2111125-016

Matrix: MEOH (SOIL)

Received Date: 11/3/2021 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	ND	60		mg/Kg	20	11/3/2021 11:34:51 AM	63728
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	11/3/2021 12:57:32 PM	63724
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	11/3/2021 12:57:32 PM	63724
Surr: DNOP	97.4	70-130		%Rec	1	11/3/2021 12:57:32 PM	63724
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	16		mg/Kg	5	11/3/2021 12:26:30 PM	B82558
Surr: BFB	99.6	70-130		%Rec	5	11/3/2021 12:26:30 PM	B82558
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.079		mg/Kg	5	11/3/2021 12:26:30 PM	D82558
Toluene	ND	0.16		mg/Kg	5	11/3/2021 12:26:30 PM	D82558
Ethylbenzene	ND	0.16		mg/Kg	5	11/3/2021 12:26:30 PM	D82558
Xylenes, Total	ND	0.31		mg/Kg	5	11/3/2021 12:26:30 PM	D82558
Surr: 4-Bromofluorobenzene	98.1	70-130		%Rec	5	11/3/2021 12:26:30 PM	D82558

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	Value above quantitation range
	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 range due to dilution or matrix interference		

Analytical Report

Lab Order 2111125

Date Reported: 11/5/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-32

Project: Douthit Federal 6

Collection Date: 11/2/2021 11:25:00 AM

Lab ID: 2111125-017

Matrix: MEOH (SOIL)

Received Date: 11/3/2021 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	ND	60		mg/Kg	20	11/3/2021 11:47:16 AM	63728
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	11/3/2021 1:21:34 PM	63724
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	11/3/2021 1:21:34 PM	63724
Surr: DNOP	98.3	70-130		%Rec	1	11/3/2021 1:21:34 PM	63724
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	3.7		mg/Kg	1	11/3/2021 12:50:07 PM	B82558
Surr: BFB	97.4	70-130		%Rec	1	11/3/2021 12:50:07 PM	B82558
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.018		mg/Kg	1	11/3/2021 12:50:07 PM	D82558
Toluene	ND	0.037		mg/Kg	1	11/3/2021 12:50:07 PM	D82558
Ethylbenzene	ND	0.037		mg/Kg	1	11/3/2021 12:50:07 PM	D82558
Xylenes, Total	ND	0.073		mg/Kg	1	11/3/2021 12:50:07 PM	D82558
Surr: 4-Bromofluorobenzene	96.0	70-130		%Rec	1	11/3/2021 12:50:07 PM	D82558

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	Value above quantitation range
	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 range due to dilution or matrix interference		

Analytical Report

Lab Order 2111125

Date Reported: 11/5/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-33

Project: Douthit Federal 6

Collection Date: 11/2/2021 11:30:00 AM

Lab ID: 2111125-018

Matrix: MEOH (SOIL)

Received Date: 11/3/2021 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	ND	60		mg/Kg	20	11/3/2021 12:24:30 PM	63728
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	11/3/2021 1:45:39 PM	63724
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	11/3/2021 1:45:39 PM	63724
Surr: DNOP	100	70-130		%Rec	1	11/3/2021 1:45:39 PM	63724
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	3.9		mg/Kg	1	11/3/2021 1:13:30 PM	B82558
Surr: BFB	98.0	70-130		%Rec	1	11/3/2021 1:13:30 PM	B82558
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.020		mg/Kg	1	11/3/2021 1:13:30 PM	D82558
Toluene	ND	0.039		mg/Kg	1	11/3/2021 1:13:30 PM	D82558
Ethylbenzene	ND	0.039		mg/Kg	1	11/3/2021 1:13:30 PM	D82558
Xylenes, Total	ND	0.078		mg/Kg	1	11/3/2021 1:13:30 PM	D82558
Surr: 4-Bromofluorobenzene	96.5	70-130		%Rec	1	11/3/2021 1:13:30 PM	D82558

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	Value above quantitation range
	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 range due to dilution or matrix interference		

Analytical Report

Lab Order 2111125

Date Reported: 11/5/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-34

Project: Douthit Federal 6

Collection Date: 11/2/2021 11:35:00 AM

Lab ID: 2111125-019

Matrix: MEOH (SOIL)

Received Date: 11/3/2021 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	ND	60		mg/Kg	20	11/3/2021 12:36:54 PM	63728
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	11/3/2021 1:01:51 PM	63724
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	11/3/2021 1:01:51 PM	63724
Surr: DNOP	88.7	70-130		%Rec	1	11/3/2021 1:01:51 PM	63724
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	3.3		mg/Kg	1	11/3/2021 10:05:31 AM	B82558
Surr: BFB	98.0	70-130		%Rec	1	11/3/2021 10:05:31 AM	B82558
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.016		mg/Kg	1	11/3/2021 10:05:31 AM	D82558
Toluene	ND	0.033		mg/Kg	1	11/3/2021 10:05:31 AM	D82558
Ethylbenzene	ND	0.033		mg/Kg	1	11/3/2021 10:05:31 AM	D82558
Xylenes, Total	ND	0.066		mg/Kg	1	11/3/2021 10:05:31 AM	D82558
Surr: 4-Bromofluorobenzene	99.1	70-130		%Rec	1	11/3/2021 10:05:31 AM	D82558

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	Value above quantitation range
	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 range due to dilution or matrix interference		

Analytical Report

Lab Order 2111125

Date Reported: 11/5/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-35

Project: Douthit Federal 6

Collection Date: 11/2/2021 11:40:00 AM

Lab ID: 2111125-020

Matrix: MEOH (SOIL)

Received Date: 11/3/2021 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	91	60		mg/Kg	20	11/3/2021 12:49:19 PM	63728
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	11/3/2021 1:26:04 PM	63724
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	11/3/2021 1:26:04 PM	63724
Surr: DNOP	93.3	70-130		%Rec	1	11/3/2021 1:26:04 PM	63724
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	3.7		mg/Kg	1	11/3/2021 10:29:01 AM	B82558
Surr: BFB	98.6	70-130		%Rec	1	11/3/2021 10:29:01 AM	B82558
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.018		mg/Kg	1	11/3/2021 10:29:01 AM	D82558
Toluene	ND	0.037		mg/Kg	1	11/3/2021 10:29:01 AM	D82558
Ethylbenzene	ND	0.037		mg/Kg	1	11/3/2021 10:29:01 AM	D82558
Xylenes, Total	ND	0.073		mg/Kg	1	11/3/2021 10:29:01 AM	D82558
Surr: 4-Bromofluorobenzene	99.1	70-130		%Rec	1	11/3/2021 10:29:01 AM	D82558

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	Value above quantitation range
	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 range due to dilution or matrix interference		

Analytical Report

Lab Order 2111125

Date Reported: 11/5/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-36

Project: Douthit Federal 6

Collection Date: 11/2/2021 11:45:00 AM

Lab ID: 2111125-021

Matrix: MEOH (SOIL)

Received Date: 11/3/2021 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	ND	60		mg/Kg	20	11/3/2021 1:01:43 PM	63728
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	11/3/2021 2:57:49 PM	63723
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	11/3/2021 2:57:49 PM	63723
Surr: DNOP	95.5	70-130		%Rec	1	11/3/2021 2:57:49 PM	63723
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	3.4		mg/Kg	1	11/3/2021 10:52:34 AM	B82558
Surr: BFB	98.8	70-130		%Rec	1	11/3/2021 10:52:34 AM	B82558
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.017		mg/Kg	1	11/3/2021 10:52:34 AM	D82558
Toluene	ND	0.034		mg/Kg	1	11/3/2021 10:52:34 AM	D82558
Ethylbenzene	ND	0.034		mg/Kg	1	11/3/2021 10:52:34 AM	D82558
Xylenes, Total	ND	0.067		mg/Kg	1	11/3/2021 10:52:34 AM	D82558
Surr: 4-Bromofluorobenzene	99.4	70-130		%Rec	1	11/3/2021 10:52:34 AM	D82558

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	Value above quantitation range
	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 range due to dilution or matrix interference		

Analytical Report

Lab Order 2111125

Date Reported: 11/5/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-37

Project: Douthit Federal 6

Collection Date: 11/2/2021 11:50:00 AM

Lab ID: 2111125-022

Matrix: MEOH (SOIL)

Received Date: 11/3/2021 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	120	60		mg/Kg	20	11/3/2021 1:14:08 PM	63728
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	11/3/2021 3:21:47 PM	63723
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	11/3/2021 3:21:47 PM	63723
Surr: DNOP	94.1	70-130		%Rec	1	11/3/2021 3:21:47 PM	63723
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	3.3		mg/Kg	1	11/3/2021 11:16:04 AM	B82558
Surr: BFB	97.9	70-130		%Rec	1	11/3/2021 11:16:04 AM	B82558
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.016		mg/Kg	1	11/3/2021 11:16:04 AM	D82558
Toluene	ND	0.033		mg/Kg	1	11/3/2021 11:16:04 AM	D82558
Ethylbenzene	ND	0.033		mg/Kg	1	11/3/2021 11:16:04 AM	D82558
Xylenes, Total	ND	0.066		mg/Kg	1	11/3/2021 11:16:04 AM	D82558
Surr: 4-Bromofluorobenzene	96.9	70-130		%Rec	1	11/3/2021 11:16:04 AM	D82558

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	Value above quantitation range
	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 range due to dilution or matrix interference		

Analytical Report

Lab Order 2111125

Date Reported: 11/5/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-38

Project: Douthit Federal 6

Collection Date: 11/2/2021 11:55:00 AM

Lab ID: 2111125-023

Matrix: MEOH (SOIL)

Received Date: 11/3/2021 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	370	60		mg/Kg	20	11/3/2021 1:26:32 PM	63728
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	11/3/2021 3:45:43 PM	63723
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	11/3/2021 3:45:43 PM	63723
Surr: DNOP	94.4	70-130		%Rec	1	11/3/2021 3:45:43 PM	63723
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	3.2		mg/Kg	1	11/3/2021 11:39:26 AM	B82558
Surr: BFB	98.9	70-130		%Rec	1	11/3/2021 11:39:26 AM	B82558
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.016		mg/Kg	1	11/3/2021 11:39:26 AM	D82558
Toluene	ND	0.032		mg/Kg	1	11/3/2021 11:39:26 AM	D82558
Ethylbenzene	ND	0.032		mg/Kg	1	11/3/2021 11:39:26 AM	D82558
Xylenes, Total	ND	0.064		mg/Kg	1	11/3/2021 11:39:26 AM	D82558
Surr: 4-Bromofluorobenzene	97.6	70-130		%Rec	1	11/3/2021 11:39:26 AM	D82558

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	Value above quantitation range
	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 range due to dilution or matrix interference		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2111125

05-Nov-21

Client: ENSOLUM
Project: Douthit Federal 6

Sample ID: MB-63727	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 63727	RunNo: 82554								
Prep Date: 11/3/2021	Analysis Date: 11/3/2021	SeqNo: 2930747	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-63727	SampType: ics	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 63727	RunNo: 82554								
Prep Date: 11/3/2021	Analysis Date: 11/3/2021	SeqNo: 2930748	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	91.5	90	110			

Sample ID: MB-63727	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 63727	RunNo: 82555								
Prep Date: 11/3/2021	Analysis Date: 11/3/2021	SeqNo: 2931033	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-63727	SampType: ics	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 63727	RunNo: 82555								
Prep Date: 11/3/2021	Analysis Date: 11/3/2021	SeqNo: 2931034	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	93.7	90	110			

Sample ID: MB-63728	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 63728	RunNo: 82555								
Prep Date: 11/3/2021	Analysis Date: 11/3/2021	SeqNo: 2931035	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-63728	SampType: ics	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 63728	RunNo: 82555								
Prep Date: 11/3/2021	Analysis Date: 11/3/2021	SeqNo: 2931036	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	91.9	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 range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2111125

05-Nov-21

Client: ENSOLUM
Project: Douthit Federal 6

Sample ID: MB-63724	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 63724	RunNo: 82541								
Prep Date: 11/3/2021	Analysis Date: 11/3/2021	SeqNo: 2929752	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	8.3		10.00		83.1	70	130			

Sample ID: LCS-63724	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 63724	RunNo: 82541								
Prep Date: 11/3/2021	Analysis Date: 11/3/2021	SeqNo: 2929753	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	45	10	50.00	0	89.2	68.9	135			
Surr: DNOP	4.2		5.000		83.7	70	130			

Sample ID: 2111125-001AMS	SampType: MS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: S-16	Batch ID: 63724	RunNo: 82541								
Prep Date: 11/3/2021	Analysis Date: 11/3/2021	SeqNo: 2929986	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	59	9.6	47.85	25.22	70.1	39.3	155			
Surr: DNOP	3.5		4.785		72.6	70	130			

Sample ID: 2111125-001AMSD	SampType: MSD	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: S-16	Batch ID: 63724	RunNo: 82541								
Prep Date: 11/3/2021	Analysis Date: 11/3/2021	SeqNo: 2929987	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	65	10	49.95	25.22	79.1	39.3	155	9.71	23.4	
Surr: DNOP	3.7		4.995		73.2	70	130	0	0	

Sample ID: 2111125-021AMSD	SampType: MSD	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: S-36	Batch ID: 63723	RunNo: 82548								
Prep Date: 11/3/2021	Analysis Date: 11/3/2021	SeqNo: 2930971	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	45	9.9	49.46	0	91.0	39.3	155	21.8	23.4	
Surr: DNOP	5.0		4.946		101	70	130	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 range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2111125

05-Nov-21

Client: ENSOLUM
Project: Douthit Federal 6

Sample ID: 2111125-021AMS	SampType: MS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: S-36	Batch ID: 63723	RunNo: 82548								
Prep Date: 11/3/2021	Analysis Date: 11/3/2021	SeqNo: 2930972	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	36	9.1	45.29	0	79.8	39.3	155			
Surr: DNOP	4.7		4.529		103	70	130			

Sample ID: MB-63723	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 63723	RunNo: 82548								
Prep Date: 11/3/2021	Analysis Date: 11/3/2021	SeqNo: 2930977	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	9.5		10.00		94.5	70	130			

Sample ID: LCS-63723	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 63723	RunNo: 82548								
Prep Date: 11/3/2021	Analysis Date: 11/3/2021	SeqNo: 2930978	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	45	10	50.00	0	89.6	68.9	135			
Surr: DNOP	4.4		5.000		88.9	70	130			

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 range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2111125

05-Nov-21

Client: ENSOLUM
Project: Douthit Federal 6

Sample ID: mb-water	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: PBS	Batch ID: R82537	RunNo: 82537								
Prep Date:	Analysis Date: 11/3/2021	SeqNo: 2929521			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	970		1000		96.8	70	130			

Sample ID: 2.5ug gro lcs	SampType: LCS	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: LCSS	Batch ID: R82537	RunNo: 82537								
Prep Date:	Analysis Date: 11/3/2021	SeqNo: 2929522			Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	26	5.0	25.00	0	103	78.6	131			
Surr: BFB	1100		1000		106	70	130			

Sample ID: mb	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: PBS	Batch ID: B82558	RunNo: 82558								
Prep Date:	Analysis Date: 11/3/2021	SeqNo: 2930250			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		98.4	70	130			

Sample ID: 2.5ug gro lcs	SampType: LCS	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: LCSS	Batch ID: B82558	RunNo: 82558								
Prep Date:	Analysis Date: 11/3/2021	SeqNo: 2930251			Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	25	5.0	25.00	0	98.2	78.6	131			
Surr: BFB	1100		1000		110	70	130			

Sample ID: 2111125-019ams	SampType: MS	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: S-34	Batch ID: B82558	RunNo: 82558								
Prep Date:	Analysis Date: 11/3/2021	SeqNo: 2930260			Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	16	3.3	16.47	0	96.0	61.3	114			
Surr: BFB	740		658.8		112	70	130			

Sample ID: 2111125-019amsd	SampType: MSD	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: S-34	Batch ID: B82558	RunNo: 82558								
Prep Date:	Analysis Date: 11/3/2021	SeqNo: 2930261			Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

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 range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2111125

05-Nov-21

Client: ENSOLUM
Project: Douthit Federal 6

Sample ID: 2111125-019amsd	SampType: MSD	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: S-34	Batch ID: B82558	RunNo: 82558								
Prep Date:	Analysis Date: 11/3/2021	SeqNo: 2930261	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	16	3.3	16.47	0	97.2	61.3	114	1.24	20	
Surr: BFB	740		658.8		112	70	130	0	0	

Sample ID: 2111125-003ams	SampType: MS	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: S-18	Batch ID: R82537	RunNo: 82537								
Prep Date:	Analysis Date: 11/3/2021	SeqNo: 2930288	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	92	17	83.06	0	111	61.3	114			
Surr: BFB	4100		3322		125	70	130			

Sample ID: 2111125-003amsd	SampType: MSD	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: S-18	Batch ID: R82537	RunNo: 82537								
Prep Date:	Analysis Date: 11/3/2021	SeqNo: 2930289	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	83	17	83.06	0	100	61.3	114	9.56	20	
Surr: BFB	3800		3322		114	70	130	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 range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2111125

05-Nov-21

Client: ENSOLUM
Project: Douthit Federal 6

Sample ID: mb-water	SampType: MBLK	TestCode: EPA Method 8021B: Volatiles								
Client ID: PBS	Batch ID: R82537	RunNo: 82537								
Prep Date:	Analysis Date: 11/3/2021	SeqNo: 2929527	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	1.0		1.000		101	70	130			

Sample ID: 100ng btex lcs	SampType: LCS	TestCode: EPA Method 8021B: Volatiles								
Client ID: LCSS	Batch ID: R82537	RunNo: 82537								
Prep Date:	Analysis Date: 11/3/2021	SeqNo: 2929528	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.91	0.025	1.000	0	90.6	80	120			
Toluene	0.95	0.050	1.000	0	94.6	80	120			
Ethylbenzene	0.96	0.050	1.000	0	96.3	80	120			
Xylenes, Total	2.9	0.10	3.000	0	95.8	80	120			
Surr: 4-Bromofluorobenzene	0.97		1.000		97.2	70	130			

Sample ID: mb	SampType: MBLK	TestCode: EPA Method 8021B: Volatiles								
Client ID: PBS	Batch ID: D82558	RunNo: 82558								
Prep Date:	Analysis Date: 11/3/2021	SeqNo: 2930270	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	1.0		1.000		99.9	70	130			

Sample ID: 100ng btex lcs	SampType: LCS	TestCode: EPA Method 8021B: Volatiles								
Client ID: LCSS	Batch ID: D82558	RunNo: 82558								
Prep Date:	Analysis Date: 11/3/2021	SeqNo: 2930271	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.90	0.025	1.000	0	90.0	80	120			
Toluene	0.95	0.050	1.000	0	94.7	80	120			
Ethylbenzene	0.94	0.050	1.000	0	94.3	80	120			
Xylenes, Total	2.9	0.10	3.000	0	95.5	80	120			
Surr: 4-Bromofluorobenzene	1.0		1.000		103	70	130			

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 range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2111125

05-Nov-21

Client: ENSOLUM
Project: Douthit Federal 6

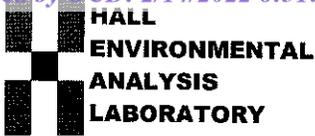
Sample ID: 2111125-020amsd	SampType: MSD	TestCode: EPA Method 8021B: Volatiles								
Client ID: S-35	Batch ID: D82558	RunNo: 82558								
Prep Date:	Analysis Date: 11/3/2021	SeqNo: 2930281	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.76	0.018	0.7321	0	104	80	120	17.3	20	
Toluene	0.80	0.037	0.7321	0	109	80	120	17.6	20	
Ethylbenzene	0.80	0.037	0.7321	0	109	80	120	17.1	20	
Xylenes, Total	2.4	0.073	2.196	0	110	80	120	18.2	20	
Surr: 4-Bromofluorobenzene	0.74		0.7321		101	70	130	0	0	

Sample ID: 2111125-002ams	SampType: MS	TestCode: EPA Method 8021B: Volatiles								
Client ID: S-17	Batch ID: R82537	RunNo: 82537								
Prep Date:	Analysis Date: 11/3/2021	SeqNo: 2930290	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	3.6	0.087	3.494	0.1577	99.2	80	120			
Toluene	7.7	0.17	3.494	4.817	83.1	80	120			
Ethylbenzene	7.6	0.17	3.494	4.461	88.9	80	120			
Xylenes, Total	40	0.35	10.48	31.66	75.9	80	120			S
Surr: 4-Bromofluorobenzene	4.9		3.494		140	70	130			S

Sample ID: 2111125-002amsd	SampType: MSD	TestCode: EPA Method 8021B: Volatiles								
Client ID: S-17	Batch ID: R82537	RunNo: 82537								
Prep Date:	Analysis Date: 11/3/2021	SeqNo: 2930291	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	3.4	0.087	3.494	0.1577	94.2	80	120	4.95	20	
Toluene	7.4	0.17	3.494	4.817	73.6	80	120	4.38	20	S
Ethylbenzene	7.2	0.17	3.494	4.461	79.2	80	120	4.55	20	S
Xylenes, Total	38	0.35	10.48	31.66	59.2	80	120	4.51	20	S
Surr: 4-Bromofluorobenzene	4.8		3.494		137	70	130	0	0	S

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 range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- 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: clients.hallenvironmental.com

Sample Log-In Check List

Client Name: ENSOLUM Work Order Number: 2111125 RcptNo: 1

Received By: Cheyenne Cason 11/3/2021 7:10:00 AM
Completed By: Sean Livingston 11/3/2021 8:13:34 AM
Reviewed By: TME 11/3/21 8:42

Handwritten signatures and initials: Cason, Sean Livingston, and a large signature.

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? (Note discrepancies on chain of custody) 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? (If no, notify customer for authorization.) Yes [checked] No []

of preserved bottles checked for pH: (<2 or >12 unless noted) Adjusted? Checked by: JRL/AB 11-3-21

Special Handling (if applicable)

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

Form with fields: 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. Contains 2 rows of data.



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

November 08, 2021

Kyle Summers
ENSOLUM
606 S. Rio Grande Suite A
Aztec, NM 87410
TEL: (903) 821-5603
FAX

RE: Douthit Federal 6

OrderNo.: 2111310

Dear Kyle Summers:

Hall Environmental Analysis Laboratory received 2 sample(s) on 11/5/2021 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 2111310

Date Reported: 11/8/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-39

Project: Douthit Federal 6

Collection Date: 11/4/2021 2:15:00 PM

Lab ID: 2111310-001

Matrix: MEOH (SOIL)

Received Date: 11/5/2021 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: LRN
Chloride	ND	60		mg/Kg	20	11/5/2021 10:33:36 AM	63784
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	11/5/2021 10:24:24 AM	63783
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	11/5/2021 10:24:24 AM	63783
Surr: DNOP	90.3	70-130		%Rec	1	11/5/2021 10:24:24 AM	63783
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	19	18		mg/Kg	5	11/5/2021 2:03:00 PM	R82621
Surr: BFB	122	70-130		%Rec	5	11/5/2021 2:03:00 PM	R82621
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.091		mg/Kg	5	11/5/2021 2:03:00 PM	R82621
Toluene	0.43	0.18		mg/Kg	5	11/5/2021 2:03:00 PM	R82621
Ethylbenzene	ND	0.18		mg/Kg	5	11/5/2021 2:03:00 PM	R82621
Xylenes, Total	0.99	0.36		mg/Kg	5	11/5/2021 2:03:00 PM	R82621
Surr: 4-Bromofluorobenzene	100	70-130		%Rec	5	11/5/2021 2:03:00 PM	R82621

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	Value above quantitation range
	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 range due to dilution or matrix interference		

Analytical Report

Lab Order 2111310

Date Reported: 11/8/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-40

Project: Douthit Federal 6

Collection Date: 11/4/2021 2:20:00 PM

Lab ID: 2111310-002

Matrix: MEOH (SOIL)

Received Date: 11/5/2021 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: LRN
Chloride	ND	60		mg/Kg	20	11/5/2021 10:46:00 AM	63784
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	11/5/2021 10:48:05 AM	63783
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	11/5/2021 10:48:05 AM	63783
Surr: DNOP	97.3	70-130		%Rec	1	11/5/2021 10:48:05 AM	63783
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	6.2	3.4		mg/Kg	1	11/5/2021 2:22:00 PM	R82621
Surr: BFB	141	70-130	S	%Rec	1	11/5/2021 2:22:00 PM	R82621
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	0.020	0.017		mg/Kg	1	11/5/2021 2:22:00 PM	R82621
Toluene	0.16	0.034		mg/Kg	1	11/5/2021 2:22:00 PM	R82621
Ethylbenzene	0.068	0.034		mg/Kg	1	11/5/2021 2:22:00 PM	R82621
Xylenes, Total	0.52	0.067		mg/Kg	1	11/5/2021 2:22:00 PM	R82621
Surr: 4-Bromofluorobenzene	104	70-130		%Rec	1	11/5/2021 2:22:00 PM	R82621

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	Value above quantitation range
	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 range due to dilution or matrix interference		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2111310

08-Nov-21

Client: ENSOLUM
Project: Douthit Federal 6

Sample ID: MB-63784	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 63784	RunNo: 82637								
Prep Date: 11/5/2021	Analysis Date: 11/5/2021	SeqNo: 2933906	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-63784	SampType: ics	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 63784	RunNo: 82637								
Prep Date: 11/5/2021	Analysis Date: 11/5/2021	SeqNo: 2933907	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	93.0	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 range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2111310

08-Nov-21

Client: ENSOLUM
Project: Douthit Federal 6

Sample ID: MB-63783	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 63783	RunNo: 82624								
Prep Date: 11/5/2021	Analysis Date: 11/5/2021	SeqNo: 2933055	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	9.0		10.00		90.0	70	130			

Sample ID: LCS-63783	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 63783	RunNo: 82624								
Prep Date: 11/5/2021	Analysis Date: 11/5/2021	SeqNo: 2933069	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	44	10	50.00	0	88.9	68.9	135			
Surr: DNOP	4.4		5.000		88.1	70	130			

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 range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2111310

08-Nov-21

Client: ENSOLUM
Project: Douthit Federal 6

Sample ID: mb-water	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: PBS	Batch ID: R82621	RunNo: 82621								
Prep Date:	Analysis Date: 11/5/2021	SeqNo: 2932743			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	1000		1000		100	70	130			

Sample ID: 2.5ug gro lcs	SampType: LCS	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: LCSS	Batch ID: R82621	RunNo: 82621								
Prep Date:	Analysis Date: 11/5/2021	SeqNo: 2932745			Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	25	5.0	25.00	0	101	78.6	131			
Surr: BFB	1200		1000		115	70	130			

Sample ID: 2111310-001ams	SampType: MS	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: S-39	Batch ID: R82621	RunNo: 82621								
Prep Date:	Analysis Date: 11/6/2021	SeqNo: 2933727			Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	99	18	90.91	19.16	87.9	61.3	114			
Surr: BFB	4700		3636		130	70	130			

Sample ID: 2111310-001amsd	SampType: MSD	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: S-39	Batch ID: R82621	RunNo: 82621								
Prep Date:	Analysis Date: 11/6/2021	SeqNo: 2933732			Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	97	18	90.91	19.16	85.7	61.3	114	2.04	20	
Surr: BFB	4500		3636		123	70	130	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 range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2111310

08-Nov-21

Client: ENSOLUM
Project: Douthit Federal 6

Sample ID: mb-water	SampType: MBLK	TestCode: EPA Method 8021B: Volatiles								
Client ID: PBS	Batch ID: R82621	RunNo: 82621								
Prep Date:	Analysis Date: 11/5/2021	SeqNo: 2932763	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	1.1		1.000		105	70	130			

Sample ID: 100ng btex lcs	SampType: LCS	TestCode: EPA Method 8021B: Volatiles								
Client ID: LCSS	Batch ID: R82621	RunNo: 82621								
Prep Date:	Analysis Date: 11/5/2021	SeqNo: 2932764	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.93	0.025	1.000	0	93.4	80	120			
Toluene	0.93	0.050	1.000	0	93.4	80	120			
Ethylbenzene	0.98	0.050	1.000	0	97.6	80	120			
Xylenes, Total	3.0	0.10	3.000	0	99.9	80	120			
Surr: 4-Bromofluorobenzene	1.1		1.000		108	70	130			

Sample ID: 2111310-002ams	SampType: MS	TestCode: EPA Method 8021B: Volatiles								
Client ID: S-40	Batch ID: R82621	RunNo: 82621								
Prep Date:	Analysis Date: 11/6/2021	SeqNo: 2933760	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.68	0.017	0.6702	0.02035	97.8	80	120			
Toluene	0.76	0.034	0.6702	0.1564	89.8	80	120			
Ethylbenzene	0.71	0.034	0.6702	0.06845	96.4	80	120			
Xylenes, Total	2.4	0.067	2.011	0.5165	91.6	80	120			
Surr: 4-Bromofluorobenzene	0.70		0.6702		105	70	130			

Sample ID: 2111310-002amsd	SampType: MSD	TestCode: EPA Method 8021B: Volatiles								
Client ID: S-40	Batch ID: R82621	RunNo: 82621								
Prep Date:	Analysis Date: 11/6/2021	SeqNo: 2933762	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.60	0.017	0.6702	0.02035	87.0	80	120	11.4	20	
Toluene	0.73	0.034	0.6702	0.1564	86.1	80	120	3.32	20	
Ethylbenzene	0.69	0.034	0.6702	0.06845	93.3	80	120	3.01	20	
Xylenes, Total	2.3	0.067	2.011	0.5165	87.4	80	120	3.64	20	
Surr: 4-Bromofluorobenzene	0.66		0.6702		98.7	70	130	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 range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- 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: clients.hallenvironmental.com

Sample Log-In Check List

Client Name: **ENSOLUM** Work Order Number: **2111310** RcptNo: **1**

Received By: **Cheyenne Cason** 11/5/2021 7:00:00 AM *CC*
 Completed By: **Isaiah Ortiz** 11/5/2021 7:42:14 AM *IO*
 Reviewed By: *JR 11/5/21*

Chain of Custody

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

Log In

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

of preserved bottles checked for pH: _____
 (<=2 or >12 unless noted)
 Adjusted? _____
 Checked by: *[Signature]* 11.5.21

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes No NA

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

16. Additional remarks:

17. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.2	Good	Not Present			

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 81218

CONDITIONS

Operator: Enterprise Field Services, LLC PO Box 4324 Houston, TX 77210	OGRID: 241602
	Action Number: 81218
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
nvez	None	4/22/2022