

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

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

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

Incident ID	
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party: Enterprise Field Services, LLC	OGRID: 241602
Contact Name: Thomas Long	Contact Telephone: 505-599-2286
Contact email: tjlong@eprod.com	Incident # (assigned by OCD) nAPP2222735338
Contact mailing address: 614 Reilly Ave, Farmington, NM 87401	

Location of Release Source

Latitude **36.664887** Longitude **-107.674524** (NAD 83 in decimal degrees to 5 decimal places)

Site Name Jones A LS #7	Site Type Natural Gas Gathering Pipeline
Date Release Discovered: 08/15/2022	Serial Number (if applicable): N/A

Unit Letter	Section	Township	Range	County
E	15	28N	8W	San Juan

Surface Owner: ☐ State ☒ Federal ☐ Tribal ☐ Private (Name: BLM)

Nature and Volume of Release

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

<input type="checkbox"/> Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input type="checkbox"/> Yes <input type="checkbox"/> No
<input checked="" type="checkbox"/> Condensate	Volume Released (bbls): Estimated 10-15 BBLs	Volume Recovered (bbls): None
<input checked="" type="checkbox"/> Natural Gas	Volume Released (Mcf): 1.8 MCF	Volume Recovered (Mcf): None
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units):	Volume/Weight Recovered (provide units)

Cause of Release On June 28, 2022, Enterprise had a release of natural gas from the Jones A LS #7 pipeline. The pipeline was isolated, depressurized, locked and tagged out. No liquids were released to the ground surface. No washes were affected. No fire nor injuries occurred. Due to the road conditions, Enterprise began repairs and remediation on August 12, 2022 and determined that this release was reportable per NMOCD regulation on August 15, 2022, due to the volume of impacted subsurface soil. Remediation and repairs were completed on September 14, 2022. The final excavation dimensions measured approximately 58 feet long by 23 feet wide by 11 feet deep. A total of 672 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: 11-29-2022

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: 12/09/2022

Printed Name: Nelson Velez Title: Environmental Specialist – Adv



CLOSURE REPORT

Property:

Jones A LS#7 (08/15/22)
Unit Letter E, S15 T28N R8W
San Juan County, New Mexico

New Mexico EMNRD OCD Incident ID No. NAPP2222735338

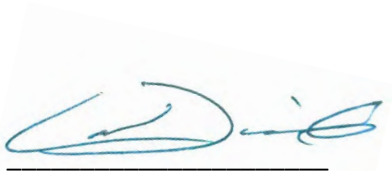
November 3, 2022

Ensolum Project No. 05A1226196

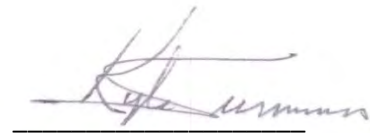
Prepared for:

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

Prepared by:



Landon Daniell
Staff Geologist



Kyle Summers
Senior Managing Geologist

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1.0 INTRODUCTION

1.1 Site Description & Background

Operator:	Enterprise Field Services, LLC / Enterprise Products Operating LLC (Enterprise)
Site Name:	Jones A LS#7 (08/15/22) (Site)
NM EMNRD OCD Incident ID No.	NAPP2222735338
Location:	36.664887° North, 107.674524° West Unit Letter E, Section 15, Township 28 North, Range 8 West San Juan County, New Mexico
Property:	United States Bureau of Land Management (BLM)
Regulatory:	New Mexico (NM) Energy, Minerals and Natural Resources Department (EMNRD) Oil Conservation Division (OCD)

On June 28, 2022, Enterprise was notified by a third party of a possible release on the Jones A LS#7 pipeline. Enterprise personnel confirmed a leak and subsequently isolated and locked the pipeline out of service. On August 10, 2022, Enterprise initiated activities to repair the pipeline and remediate potential petroleum hydrocarbon impact. On August 15, 2022, Enterprise determined the release was “reportable” due to the estimated volume of impacted soil. The NM EMNRD OCD was subsequently notified.

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

1.2 Project Objective

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

2.0 CLOSURE CRITERIA

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

- The NM Office of the State Engineer (OSE) tracks the usage and assignment of water rights and water well installations and records this information in the Water Rights Reporting System (WRRS) database. Water wells and other points of diversion (PODs) are each assigned POD numbers in the database (which is searchable and includes an interactive map). No PODs were identified in the same Public Land Survey System (PLSS) section as the Site. Five PODs (SJ-02283, SJ-04131-POD1, SJ-04131-POD2, SJ-04131-POD3, SJ-04131-POD4) were identified in an adjacent PLSS section. However, only SJ-02283 had a recorded depth to water. POD SJ-02283 is located approximately 1.7 miles east of the Site with a listed depth

to water of 480 feet and is approximately 33 feet lower in elevation than the Site (**Figure A, Appendix B**).

- Nine cathodic protection wells (CPWs) were identified in the NM EMNRD OCD imaging database in the adjacent PLSS sections. The four closest CPWs are depicted on **Figure B (Appendix B)**. Documentation for the cathodic protection well located near the Hardie E #1 well location indicate a depth to water of approximately 340 feet bgs. This cathodic protection well is located approximately 0.48 miles west of the Site and is approximately 68 feet higher in elevation than the Site. Documentation for the cathodic protection well located near the Hardie E #2A well location indicates a depth to water of approximately 60 feet bgs. This cathodic protection well is located approximately 0.56 miles northwest of the Site and is approximately 51 feet lower in elevation than the Site. Documentation for the cathodic protection well located near the Hardie E #1 and #7 well locations indicates a depth to water of approximately 60 feet bgs. This cathodic protection well is located approximately 0.59 miles southwest of the Site and is approximately 528 feet lower in elevation than the Site. Documentation for the cathodic protection well located near the Hardie E #2 and #8 well locations indicates a depth to water of approximately 280 feet bgs. This cathodic protection well is located approximately 0.91 miles northwest of the Site and is approximately 54 feet lower in elevation than the Site.
- The Site is not located within 300 feet of a NM EMNRD OCD-defined continuously flowing watercourse or significant watercourse (**Figure C, Appendix B**).
- The Site is not located within 200 feet of a lakebed, sinkhole, or playa lake.
- The Site is not located within 300 feet of a permanent residence, school, hospital, institution, or church (**Figure D, Appendix B**).
- No springs, or private domestic freshwater wells used by less than five households for domestic or stock watering purposes were identified within 500 feet of the Site (**Figure E, Appendix B**).
- No freshwater wells or springs were identified within 1,000 feet of the Site (**Figure E, Appendix B**).
- The Site is not located within incorporated municipal boundaries or within a defined municipal freshwater well field covered under a municipal ordinance adopted pursuant to New Mexico Statutes Annotated (NMSA) 1978, Section 3-27-3.
- Based on information identified in the U.S. Fish & Wildlife Service National Wetlands Inventory Wetlands Mapper, the Site is not within 300 feet of a wetland (**Figure F, Appendix B**).
- Based on information identified in the NM Mining and Minerals Division's Geographic Information System (GIS) Maps and Mine Data database, the Site is not within an area overlying a subsurface mine (**Figure G, Appendix B**).
- The Site is not located within an unstable area per Paragraph (6) of Subsection U of 19.15.2.7 NMAC.
- Based on information provided by the Federal Emergency Management Agency (FEMA) National Flood Hazard Layer (NFHL) geospatial database, the Site is not within a 100-year floodplain (**Figure H, Appendix B**).

Based on the identified siting criteria, Enterprise estimates the depth to water at the Site to be greater than 50 feet bgs, resulting in a Tier II ranking. However, the soil requirements of NMAC 19.15.29.13(D)(1) indicate that a minimum of the upper four feet must contain “uncontaminated” soil and that the soils meet Tier I closure criteria listed in Table 1 of NMAC 19.15.29.12. Applicable closure criteria for Tier I soils and Tier II soils (below four feet) remaining in place at the Site include:

Tier II Closure Criteria for Soils Impacted by a Release		
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 kilogram (mg/kg).

² – Total Petroleum Hydrocarbons (TPH). Gasoline Range Organics (GRO). Diesel Range Organics (DRO). Motor Oil/Lube Oil Range Organics (MRO).

³ – Benzene, Toluene, Ethylbenzene, and Total Xylenes (BTEX).

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

¹ – Constituent concentrations are in milligrams per kilogram (mg/kg).

² – Total Petroleum Hydrocarbons (TPH). Gasoline Range Organics (GRO). Diesel Range Organics (DRO). Motor Oil/Lube Oil Range Organics (MRO).

³ – Benzene, Toluene, Ethylbenzene, and Total Xylenes (BTEX).

3.0 SOIL REMEDIATION ACTIVITIES

On August 15, 2022, 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 58 feet long and 23 feet wide at the maximum extents. The maximum depth of the excavation measured approximately 11 feet bgs. The lithology encountered during the completion of remediation activities consisted primarily of sandstone and shale.

Approximately 672 cubic yards (yd³) of petroleum hydrocarbon-affected soils and 12 barrels (bbls) of hydro-excavation soil cuttings and water were transported to the Envirotech, Inc., (Envirotech) landfarm near Hilltop, NM for disposal/remediation. The executed C-138 solid waste acceptance form is provided in **Appendix C**. The excavation was backfilled with imported fill and then contoured to the surrounding topography.

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

4.0 SOIL SAMPLING PROGRAM

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

Ensolum's soil sampling program included the collection of 37 composite soil samples (S-1 through S-37) from the excavation for laboratory analysis. In addition, four composite soil samples (SP-1 through SP-4) were collected from a segregated portion of the stockpiled soils to determine if the material was suitable to use as backfill. The composite samples were comprised of five aliquots each and represent an estimated 200 square foot (ft²) or less sample area per guidelines outlined in Section D of 19.15.29.12 NMAC. Hand tools and the excavator bucket were utilized to obtain fresh aliquots from each area of the excavation. Regulatory correspondence is provided in **Appendix E**.

First Sampling Event

On August 11, 2022, the first sampling event was performed at the Site. Composite soil samples S-1 (4'), S-2 (4'), and S-3 (4') were collected from the floor of the excavation. Composite soil samples S-4 (0'-4'), S-5 (0'-4'), S-6 (0'-4'), S-7 (0'-4'), S-8 (0'-4'), and S-9 (0'-4') were collected from the walls of the excavation. Composite soil samples SP-1, SP-2, SP-3, and SP-4 were collected from a segregated portion of the stockpiled soils to determine if the soils were suitable for use as backfill.

Subsequent soil analytical results identified TPH concentrations that exceeded the NM EMNRD OCD closure criteria for composite soil samples S-1, S-2, S-3, S-4, S-5, S-7, S-8, S-9, SP-3, and SP-4. In response to the exceedances the excavation was enlarged. The soils associated with the impacted samples were removed by excavation and transported to the landfarm for disposal/remediation.

Second Sampling Event

On August 16, 2022, the second sampling event was performed at the Site. The NM EMNRD OCD and BLM were notified of the sampling event although no representatives were present during sampling activities. Composite samples S-10 (5.5') and S-11 (5.5') were collected from the floor of the excavation. Composite soil samples S-12 (0'-5.5') and S-13 (0'-5.5') were collected from walls of the excavation.

Third Sampling Event

On August 18, 2022, the third sampling event was performed at the Site. The NM EMNRD OCD and BLM were notified of the sampling event although no representatives were present during sampling activities. Composite sample S-14 (0'-5.5') was collected from a wall of the excavation. Composite soil sample S-15 (5.5') was collected from the floor of the excavation.

Fourth Sampling Event

On August 22, 2022, the fourth sampling event was performed at the Site. The NM EMNRD OCD and BLM were notified of the sampling event although no representatives were present during sampling activities. Composite soil sample S-16 (5.5') was collected from the floor of the excavation. Composite soil sample S-17 (0'-5.5') was collected from a wall of the excavation.

Fifth Sampling Event

On September 2, 2022, the fifth sampling event was performed at the Site. The NM EMNRD OCD and BLM were notified of the sampling event although no representatives were present during sampling activities. Composite soil sample S-18 (11') was collected from the floor of the excavation.

Sixth Sampling Event

On September 8, 2022, the sixth sampling event was performed at the Site. The NM EMNRD OCD and BLM were notified of the sampling event although no representatives were present during sampling activities. Composite soil samples S-19 (11') and S-20 (11') were collected from the floor of the excavation. Composite soil samples S-21 (5.5'-11'), S-22 (0'-4'), S-23 (4'-11'), S-24 (0'-4'), and S-25 (4'-11') were collected from walls of the excavation.

Seventh Sampling Event

On September 12, 2022, the seventh sampling event was performed at the Site. The NM EMNRD OCD and BLM were notified of the sampling event although no representatives were present during sampling activities. Composite soil samples S-26 (11') and S-27 (11') were collected from the floor of the excavation. Composite soil samples S-28 (0'-4'), S-29 (4'-11'), S-30 (0'-4'), S-31 (4'-11'), S-32 (0'-4'), and S-33 (4'-10') were collected from walls of the excavation. Subsequent soil analytical results identified TPH concentrations that exceeded the NM EMNRD OCD closure criteria for composite soil sample S-28. In response to the exceedances the excavation was enlarged. The impacted soil associated with composite sample S-28 was removed by excavation and transported to the landfarm for disposal/remediation.

Eighth Sampling Event

On September 14, 2022, the eighth sampling event was performed at the Site. The NM EMNRD OCD and BLM were notified of the sampling event although no representatives were present during sampling activities. Composite soil sample S-34 (4') was collected from the floor of the excavation. Composite soil samples S-35 (0'-4'), S-36 (0'-4'), and S-37 (0'-4') were collected from walls of the excavation.

All soil samples were collected and placed in laboratory-prepared glassware. The containers were labeled and sealed using the laboratory-supplied labels and custody seals and were stored on ice in a cooler. The samples were relinquished to the courier for Hall Environmental Analysis Laboratory of Albuquerque, NM, under proper chain-of-custody procedures.

5.0 SOIL LABORATORY ANALYTICAL METHODS

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

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

6.0 SOIL DATA EVALUATION

Ensolum compared the benzene, BTEX, TPH, and chloride laboratory analytical results or laboratory practical quantitation limits (PQLs) / reporting limits (RLs) associated with the composite soil samples S-6, S-10 through S-27, S-29 through S-37, SP-1, and SP-2 to the applicable NM EMNRD OCD closure criteria. The soils associated with composite soil samples S-1 through S-5, S-7 through S-9, S-28, SP-3, and SP-4 were removed (due to COC exceedances) from the Site, and therefore, are not included in the following discussion.

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

- The laboratory analytical results for composite soil samples S-16, S-23, S-26, S-27, S-29, S-31, S-32, and S-34 indicate total BTEX concentrations ranging from 0.084 mg/kg (S-27) to 6.2 mg/kg (S-31), 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 associated with soils remaining at the Site indicate that total BTEX is not present in 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-11, S-16, S-19, S-23, S-26, S-29, and S-31 through S-34 indicate combined TPH GRO/DRO concentrations ranging from 6.4 mg/kg (S-16) to 260 mg/kg (S-33), which are less than the applicable NM EMNRD OCD closure criteria of 100 mg/kg or 1,000 mg/kg (depending on the depth of the represented soil). The laboratory analytical results for all other composite soil samples associated with 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 NM EMNRD OCD closure criteria of 100 mg/kg or 1,000 mg/kg (depending on the depth of the represented soil).
- The laboratory analytical results for composite soil samples S-11, S-16, S-19, S-23, S-26, S-29, and S-31 through S-34 indicate combined TPH GRO/DRO concentrations ranging from 6.4 mg/kg (S-16) to 420 mg/kg (S-33), which are less than the applicable NM EMNRD OCD closure criteria of 100 mg/kg or 2,500 mg/kg (depending on the depth of the represented soil.) The laboratory analytical results for all other composite soil samples associated with 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 NM EMNRD OCD closure criteria of 100 mg/kg or 2,500 mg/kg (depending on the depth of the represented soil).
- The laboratory analytical results for all composite soil samples indicate chloride is not present at concentrations greater than the laboratory PQLs/RLs, which are less than the applicable NM EMNRD OCD closure criteria of 600 mg/kg or 10,000 mg/kg (depending on the depth of the represented soil).

7.0 RECLAMATION AND REVEGETATION

The excavation was backfilled with imported fill and then contoured to the surrounding topography. Enterprise will re-seed the Site with an approved seeding mixture.

8.0 FINDINGS AND RECOMMENDATION

- Forty-one 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 672 yd³ of petroleum hydrocarbon-affected soils and 12 bbls of hydro-excavation soil cuttings and water were transported to the Envirotech landfarm for disposal/remediation. The excavation was backfilled with imported fill and then contoured to the surrounding topography.

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

9.0 STANDARDS OF CARE, LIMITATIONS, AND RELIANCE

9.1 Standard of Care

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

9.2 Limitations

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

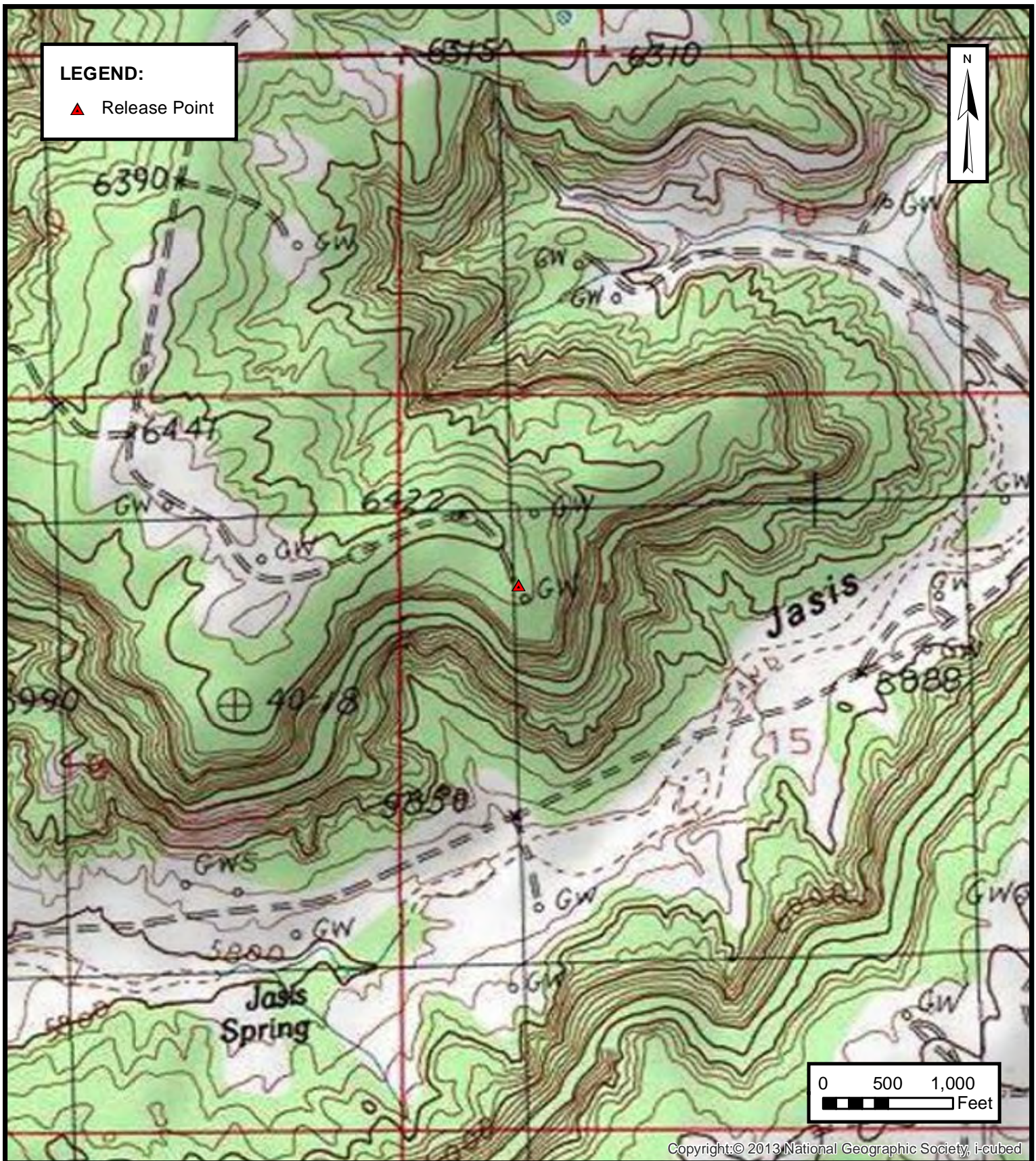
9.3 Reliance

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



APPENDIX A

Figures



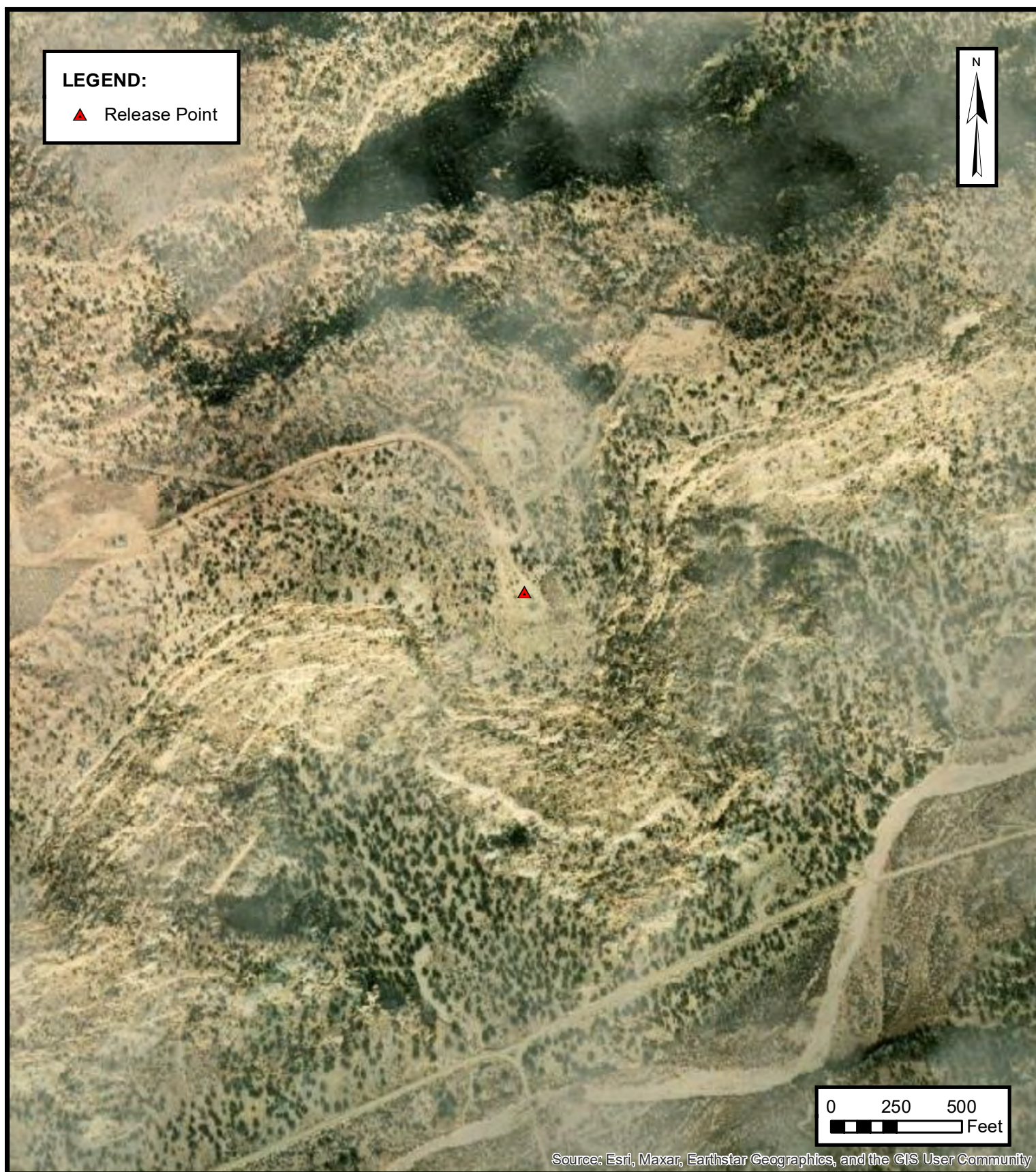
TOPOGRAPHIC MAP

ENTERPRISE FIELD SERVICES, LLC
JONES A LS#7 (08/15/22)
Unit Letter E, S15 T28N R8W, San Juan County, New Mexico
36.664887° N, 107.674524° W

PROJECT NUMBER: 05A1226196

FIGURE

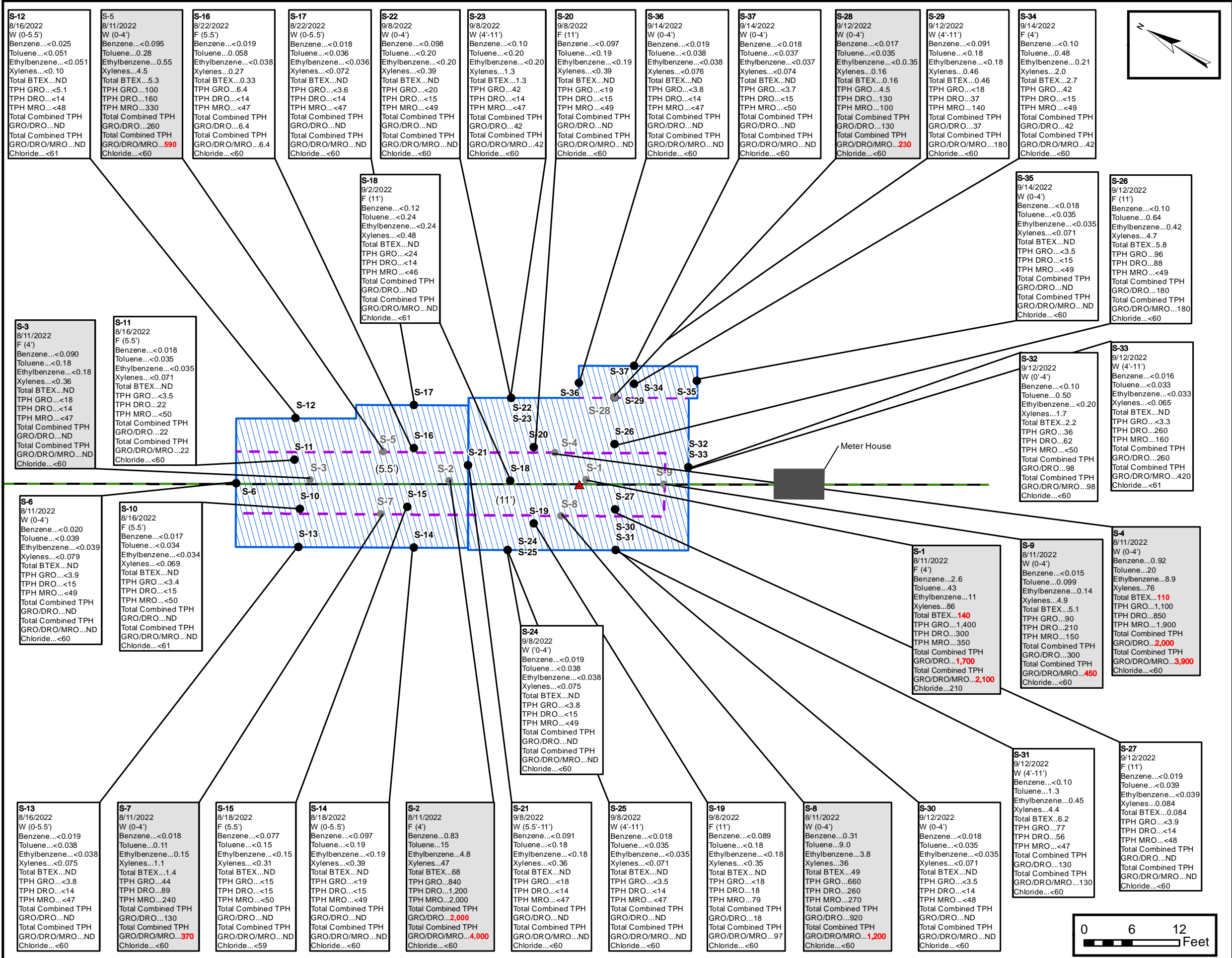
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**SITE VICINITY MAP**

ENTERPRISE FIELD SERVICES, LLC
JONES A LS#7 (08/15/22)
Unit Letter E, S15 T28N R8W, San Juan County, New Mexico
36.664887° N, 107.674524° W

PROJECT NUMBER: 05A1226196

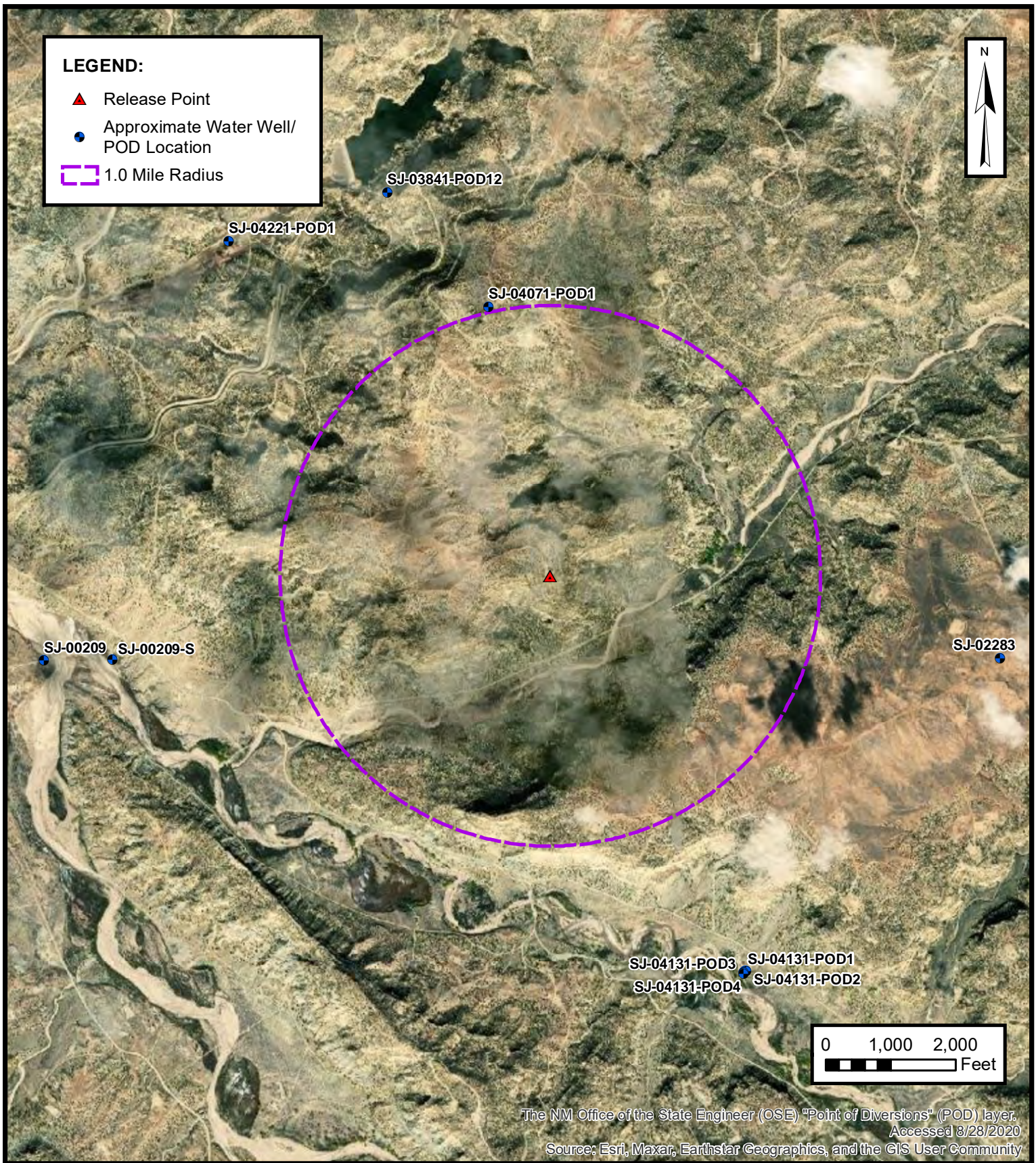
FIGURE**2**

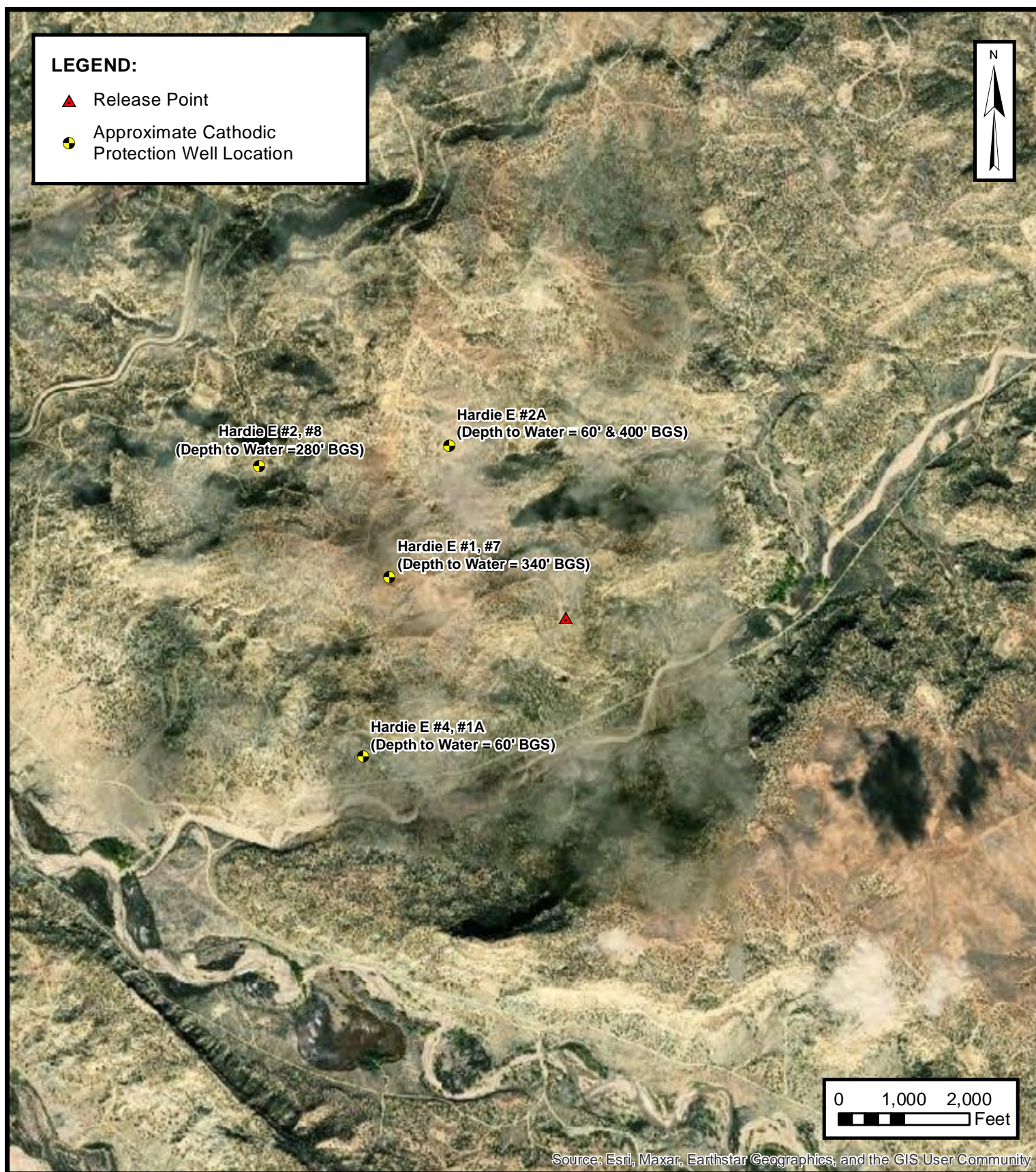


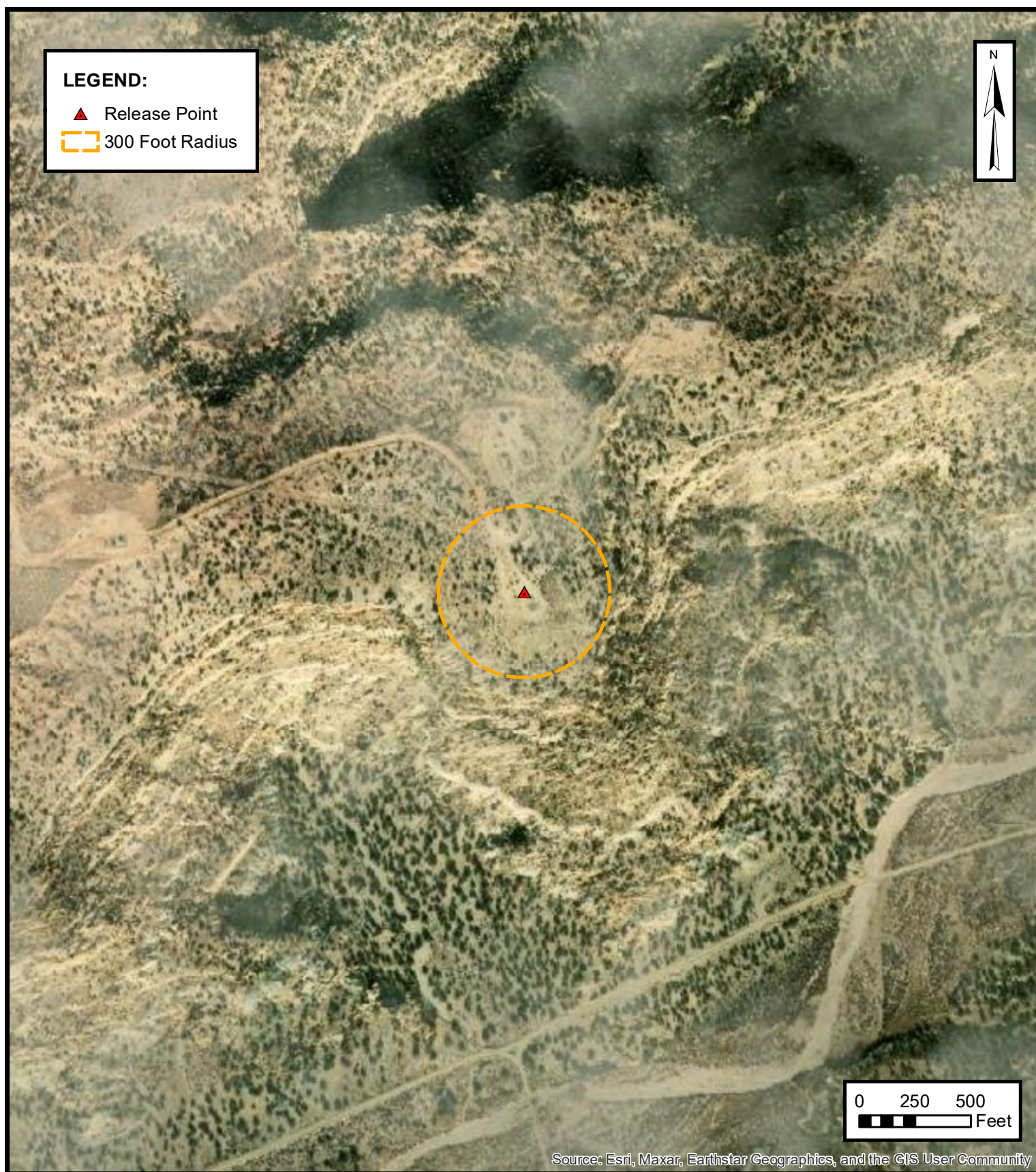


APPENDIX B

Siting Figures and Documentation







Environmental, Engineering and
Hydrogeologic Consultants

**300 FOOT RADIUS
WATERCOURSE AND DRAINAGE IDENTIFICATION**

ENTERPRISE FIELD SERVICES, LLC

JONES A LS#7 (08/15/22)

Unit Letter E, S15 T28N R8W, San Juan County, New Mexico
36.664887° N, 107.674524° W

PROJECT NUMBER: 05A1226196

FIGURE

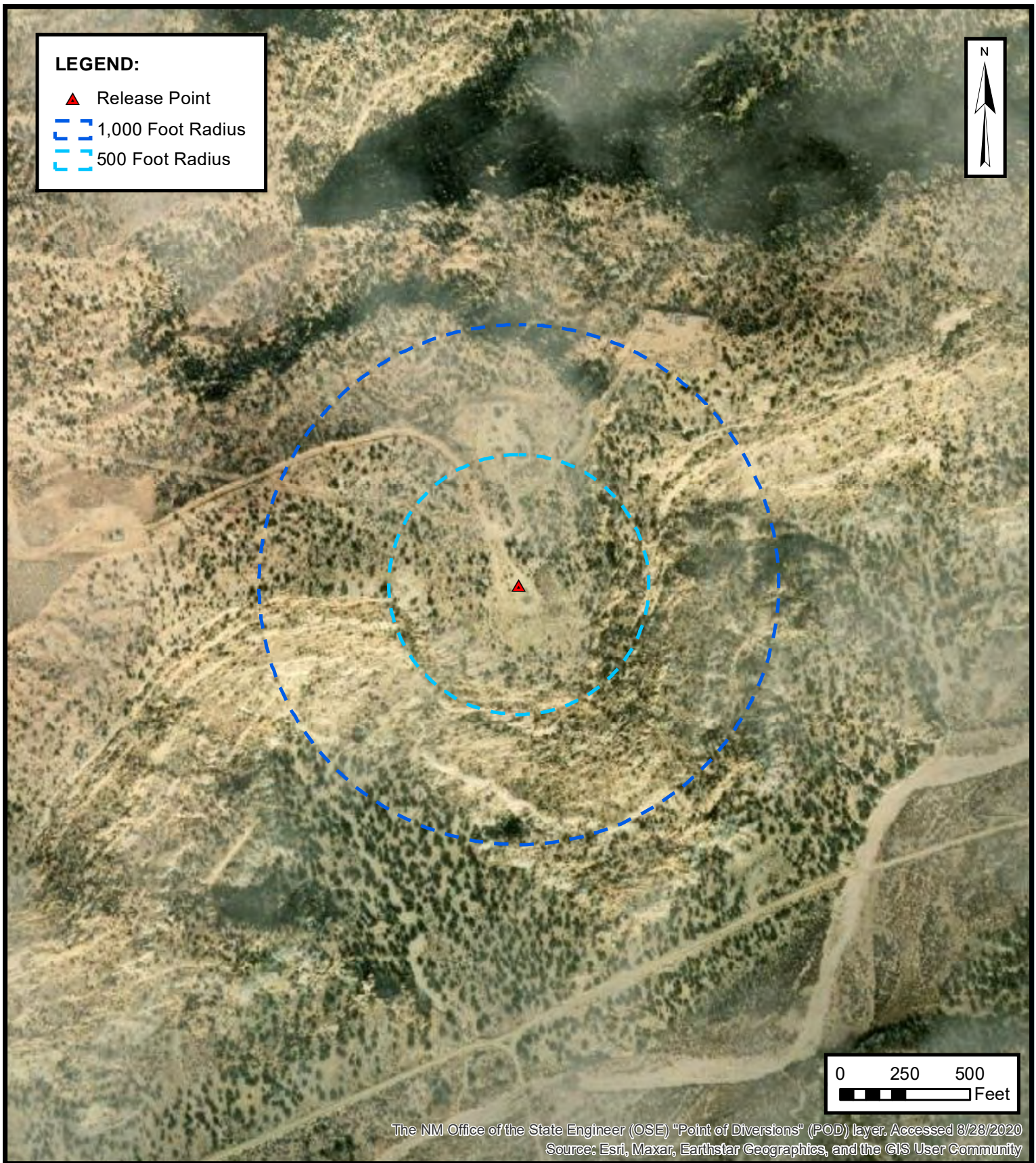
C



**300 FOOT RADIUS
OCCUPIED STRUCTURE IDENTIFICATION**
ENTERPRISE FIELD SERVICES, LLC
JONES A LS#7 (08/15/22)
Unit Letter E, S15 T28N R8W, San Juan County, New Mexico
36.664887° N, 107.674524° W

PROJECT NUMBER: 05A1226196

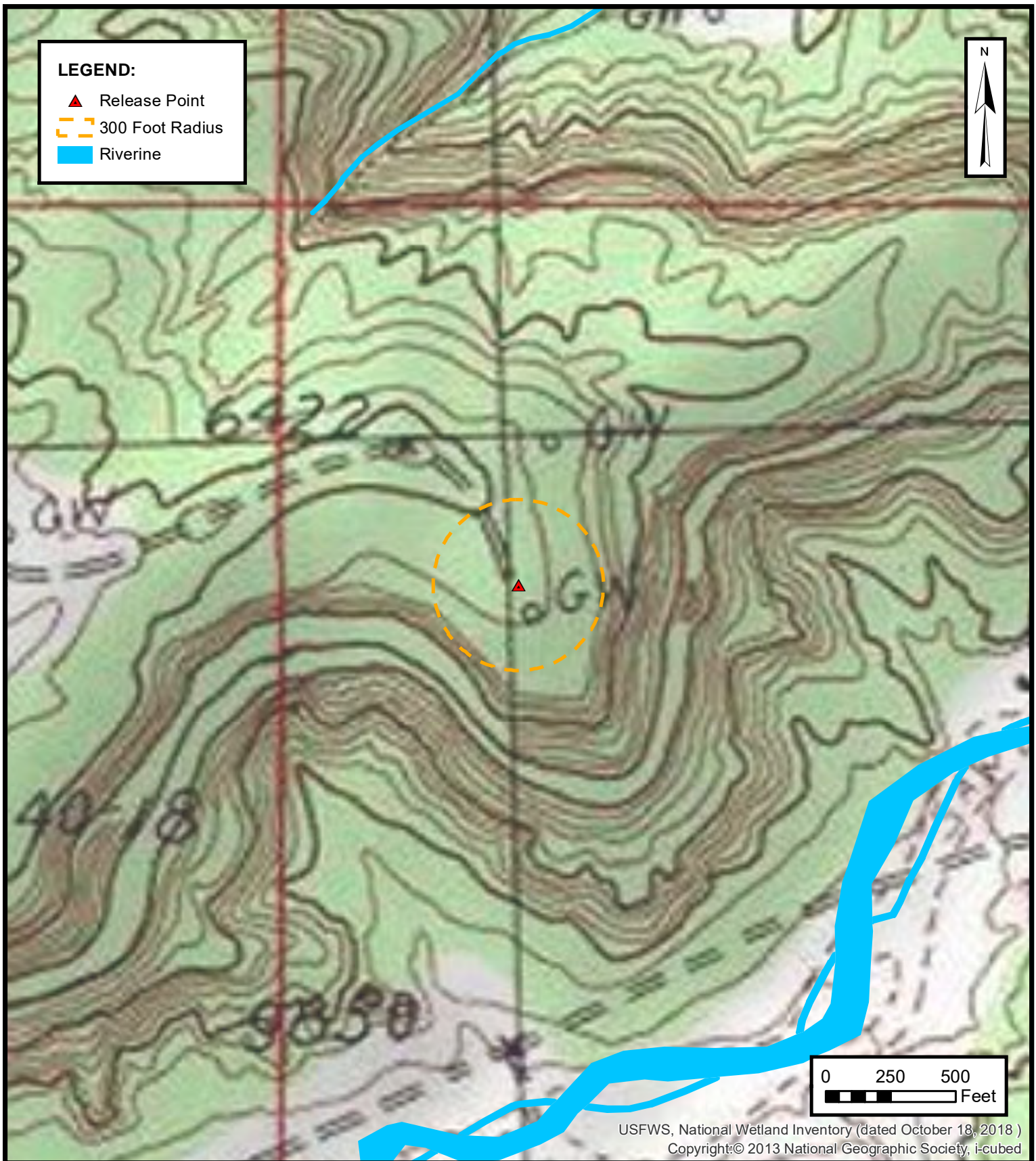
**FIGURE
D**

**WATER WELL AND NATURAL SPRING LOCATION**

ENTERPRISE FIELD SERVICES, LLC
JONES A LS#7 (08/15/22)
Unit Letter E, S15 T28N R8W, San Juan County, New Mexico
36.664887° N, 107.674524° W

PROJECT NUMBER: 05A1226196

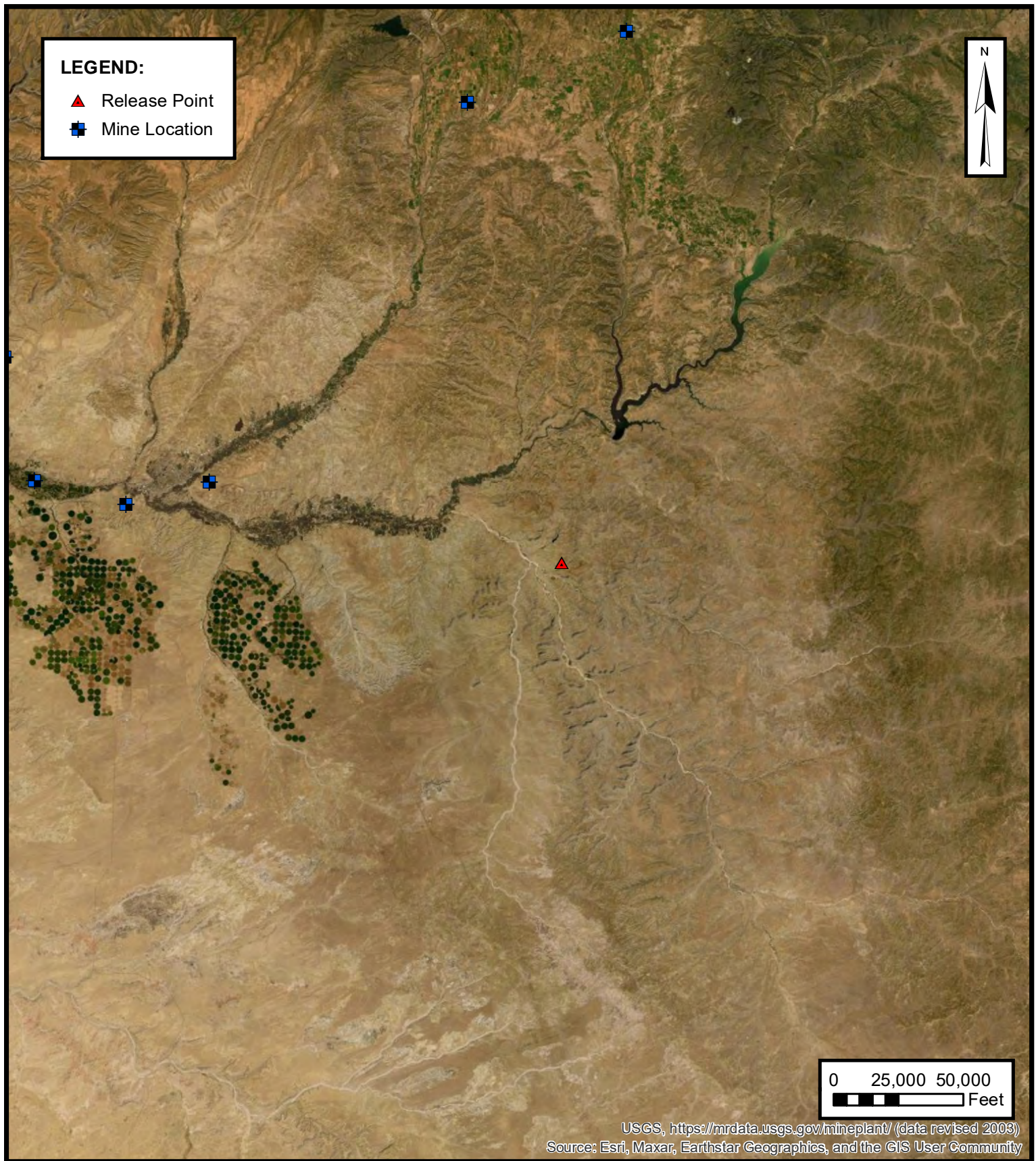
FIGURE
E

**WETLANDS**

ENTERPRISE FIELD SERVICES, LLC
JONES A LS#7 (08/15/22)
Unit Letter E, S15 T28N R8W, San Juan County, New Mexico
36.664887° N, 107.674524° W

PROJECT NUMBER: 05A1226196

FIGURE**F**



Environmental, Engineering and
Hydrogeologic Consultants

MINES, MILLS AND QUARRIES

ENTERPRISE FIELD SERVICES, LLC

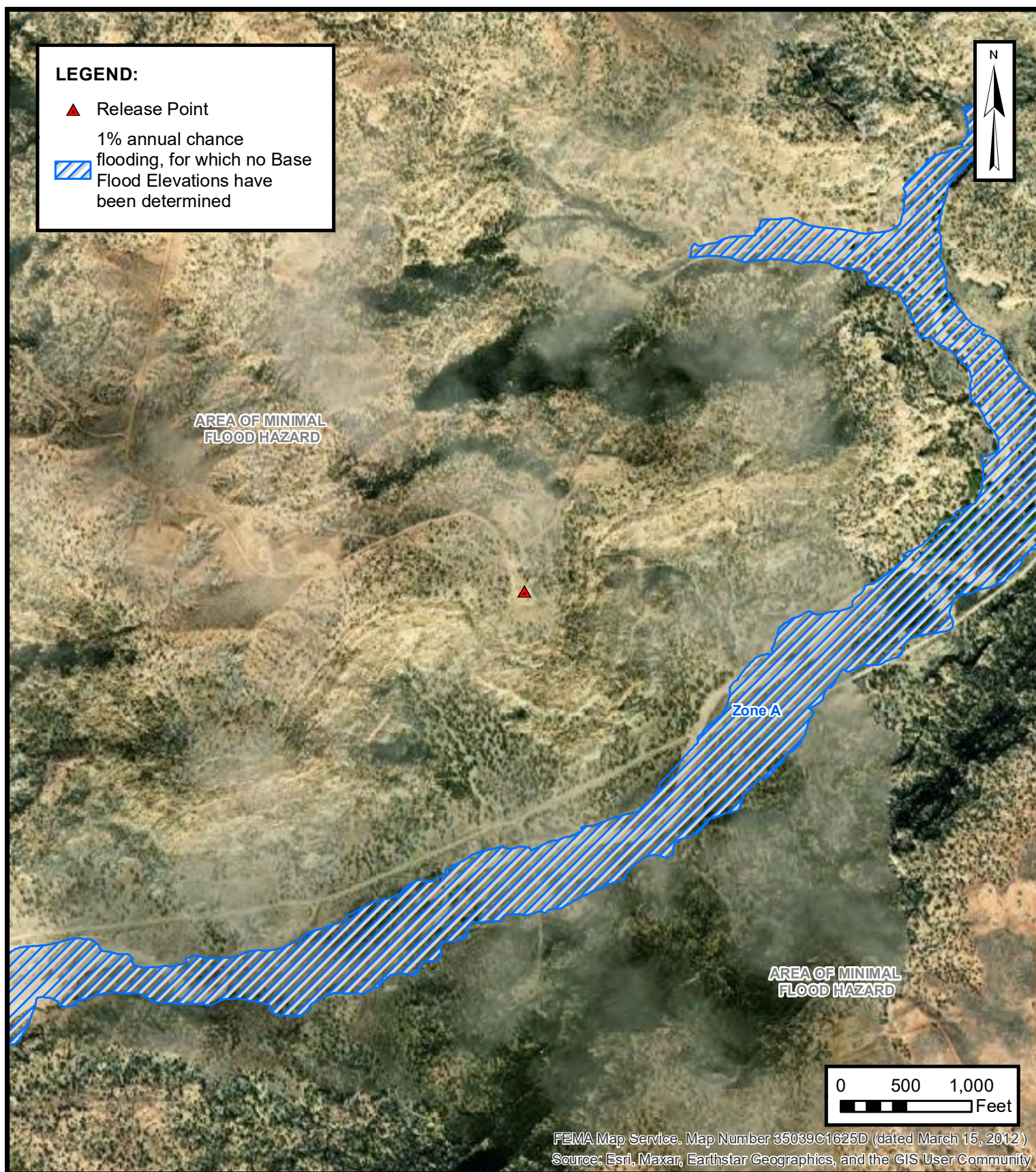
JONES A LS#7 (08/15/22)

Unit Letter E, S15 T28N R8W, San Juan County, New Mexico
36.664887° N, 107.674524° W

PROJECT NUMBER: 05A1226196

FIGURE

G



100-YEAR FLOOD PLAIN MAP

ENTERPRISE FIELD SERVICES, LLC
JONES A LS#7 (08/15/22)
Unit Letter E, S15 T28N R8W, San Juan County, New Mexico
36.664887° N, 107.674524° W

PROJECT NUMBER: 05A1226196

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 02283		SJ	SJ	1	2	4	14	28N	08W	263604	4060474*	540	480	60
SJ 04131 POD1		SJ	SJ		2	4	22	28N	08W	262050	4058670	36		
SJ 04131 POD2		SJ	SJ		2	4	22	28N	08W	262058	4058673	32		
SJ 04131 POD3		SJ	SJ		2	4	22	28N	08W	262041	4058664	32		
SJ 04131 POD4		SJ	SJ		2	4	22	28N	08W	262041	4058654	28		

Average Depth to Water: **480 feet**

Minimum Depth: **480 feet**

Maximum Depth: **480 feet**

Record Count: 5

PLSS Search:

Section(s): 15, 9, 10, 11, 14, 16, 21, 22, 23
Township: 28N
Range: 08W

*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.

7/11/22 10:52 AM

Page 1 of 1

WATER COLUMN/ AVERAGE
DEPTH TO WATER

#2 = 30-045-07538
#8 = 30-045-21146

4781

DATA SHEET FOR DEEP GROUND BED CATHODIC PROTECTION WELLS
NORTHWESTERN NEW MEXICO
(Submit 3 copies to OCD Aztec Office)Operator MERIDIAN OIL Location: Unit SW Sec. 9 Twp 28 Rng 8Name of Well/Wells or Pipeline Serviced HARDIE E #2, #8

cps 649w

Elevation 6227' Completion Date 8/5/87 Total Depth 500' Land Type* N/ACasing, Sizes, Types & Depths N/AIf Casing is cemented, show amounts & types used N/A

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

N/A

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

Fresh, Clear, Salty, Sulphur, Etc. 280' SAMPLE TAKENDepths gas encountered: N/AType & amount of coke breeze used: N/ADepths anodes placed: 465', 455', 430', 420', 405', 395', 340', 330', 320', 310'Depths vent pipes placed: N/AVent pipe perforations: 150'Remarks: gb #2

RECEIVED

MAY 31 1991

OIL CON. DIV
DIST. 3

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

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

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

WELL CASING
CATHODIC PROTECTION CONSTRUCTION REPORT
DAILY LOG

already in computer

Drilling Log (Attach Hereto) ☐

m.m.

Completion Date 8-5-87

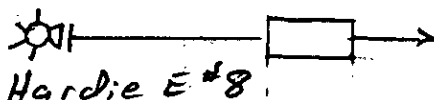
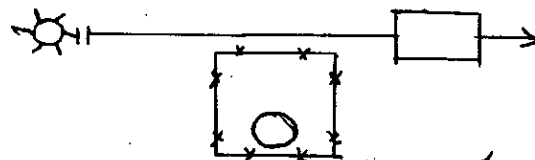
CPS #	Well Name, Line or Plant:	Work Order #	Static:	Ins. Union Check
649W	Hardie E#2 Hardie E#8	M 09-28-08 M 09-28-08	.82 E .82 E	<input checked="" type="checkbox"/> Good <input type="checkbox"/> Bad
Location:	Anode Size:	Anode Type:	Size Bit:	
SW 9-28-8	2" x 60"	Duriron	6 3/4"	
Depth Drilled	Depth Logged	Drilling Rig Time	Total Lbs. Gels Used	Lost Circulation Mat'l Used
500	480'	8 hrs		
No. Sacks Mud Used				
Elev. 6227				
Anode Depth				
# 1 465	# 2 455	# 3 430	# 4 420	# 5 405
# 6 395	# 7 340	# 8 330	# 9 320	# 10 310
Anode Output (Amps)				
# 1 2.6	# 2 2.3	# 3 1.7	# 4 1.6	# 5 2.6
# 6 3.1	# 7 2.8	# 8 3.9	# 9 3.5	# 10 3.2
Anode Depth				
# 11	# 12	# 13	# 14	# 15
# 16	# 17	# 18	# 19	# 20
Anode Output (Amps)				
# 11	# 12	# 13	# 14	# 15
# 16	# 17	# 18	# 19	# 20
Total Circuit Resistance				
Volts 12.85	Amps 12.1	Ohms 1.06	No. 8 C.P. Cable Used	No. 2 C.P. Cable Used

Remarks: Driller said water was at 280'. Vent pipe is perforated up to 150', from slight trace of water at 150'. Water sample was taken at an earlier date

Rectifier Size: _____ V _____ A 4300.00 ✓
 Addn'l Depth _____ - 80.00 ✓
 Depth Credit: 20 ✓
 Extra Cable: 10' ✓ 2.50 ✓
 Ditch & 1 Cable: 30' ✓ 11.70 ✓
 Ditch & 2 Cable: _____ 40.00 ✓
 25' Meter Pole: _____ 4274.20 ✓
 20' Meter Pole: _____ 213.71 ✓
 10' Stub Pole: _____
 Junction Box: 40.00 ✓ 4487.91 ✓

All Construction Completed

Randy Smith
(Signature)



60' 2
Δ
Δ
GB#1

649W

BURGE CORROSION SYSTEMS, INC.P.O. BOX 1359 - PHONE 334-6141
AZTEC, NEW MEXICO 87410

CPS 649 W

COMPANY Meridian DAILY DRILLING REPORT 8-3 1987

WELL NAME: <u>Hardie "E"</u>	WELL NUMBER: <u>2</u>	SECTION: <u>9</u>	TOWNSHIP: <u>28N</u>	RANGE: <u>8E</u>
WATER AT: <u>approx. 200 ft</u>		FEET: <u>6 3/4</u>	HOLE MADE: <u>500 ft</u>	

DESCRIPTION OF FORMATION

FROM	TO	FORMATION IS	COLOR
<u>0</u>	<u>100</u>	<u>sandstone</u>	<u>tan</u>
<u>100</u>	<u>140</u>	<u>sandstone</u>	<u>Gray</u>
<u>140</u>	<u>180</u>	<u>Sandy shale</u>	<u>Grey</u>
<u>180</u>	<u>200</u>	<u>Sandstone</u>	<u>Grey</u>
<u>200</u>	<u>240</u>	<u>Sandy shale</u>	<u>Grey</u>
<u>240</u>	<u>290</u>	<u>Sandstone</u>	<u>Grey</u>
<u>290</u>	<u>310</u>	<u>Shale</u>	<u>Grey</u>
<u>310</u>	<u>320</u>	<u>Sandstone</u>	<u>Grey</u>
<u>320</u>	<u>420</u>	<u>Shale</u>	<u>Grey</u>
<u>420</u>	<u>440</u>	<u>Sandy shale</u>	<u>Grey</u>
<u>440</u>	<u>460</u>	<u>Sandstone</u>	<u>Grey</u>
<u>460</u>	<u>500</u>	<u>Shale</u>	<u>Grey</u>

REMARKS:

Grant B. arm

Driller

Tool Dresser

BURG CORROSION SYSTEMS, INC.

P.O. BOX 1359 - PHONE 334-6141

AZTEC, NEW MEXICO 87410

DEEP WELL GROUND BED LOG

Date 8-5-87

Company

Meridian Oil

Well No.

Location

Hardie E27 E8

Volts Applied

12.85

Amperes

12.1

5		230		455	1.3	-	(2)	680	1	4	6	5	-	2.1
10		235		460	2.2			685	2	4	5	5	-	1.5
15		240		465	2.0	-	(1)	690	3	4	3	0	-	.9
20		245		470	2.2			695	4	4	2	0	-	.9
25		250		475	2.2	-		700	5	4	0	5	-	1.5
30		255		480		-	T.D	705	6	3	9	5	-	1.7
35		260		485				710	7	3	4	0	-	1.5
40		265		490				715	8	3	3	0	-	1.8
45		270		495				720	9	3	2	0	-	1.6
50		275		500				725	10	3	1	0	-	1.8
55		280		505				730						
60		285		510				735	(1)	2	.1			2.6
65		290		515				740	(2)	1.5				2.3
70		295		520				745	(3)	.9				1.7
75		300		525				750	(4)	.9				1.6
80		305		530				755	(5)					2.6
85		310		535				760	(6)					3.1
90		315		540				765	(7)					2.8
95		320		545				770	(8)					3.9
100		325		550				775	(9)					3.5
105		330		555				780	(10)					3.2
110		335		560				785						
115		340		565				790						
120		345		570				795						
125		350		575				800						
130		355		580				805						
135		360		585				810						
140		365		590				815						
145		370		595				820						
150		375		600				825						
155		380		605				830						
160		385		610				835						
165		390		615				840						
170		395		620				845						
175		400		625				850						
180		405		630				855						
185		410		635				860						
190		415		640				865						
195		420		645				870						
200		425		650				875						
205		430		655				880						
210		435		660				885						
215		440		665				890						
220		445		670				895						
		450		675				900						

IREH

CPS 649W

API WATER ANALYSIS REPORT FORM

Company MERIDIAN OIL COMPANY		Sample No. 3		Date Sampled 08-03-87	
Field Blanco		Legal Description		County or Parish San Juan	State NM
Lease or Unit M9-28-8		Well Hardie E2	Depth 200'	Formation Mesa Verde	Water, B/D
Type of Water (Produced, Supply, etc.) Ground bed		Sampling Point 200'			Sampled By M. R.W.

DISSOLVED SOLIDS

CATIONS

	mg/l	me/l
Sodium, Na (calc.)	147	6.4
Calcium, Ca	179	8.9
Magnesium, Mg	29	2.4
Barium, Ba		

ANIONS

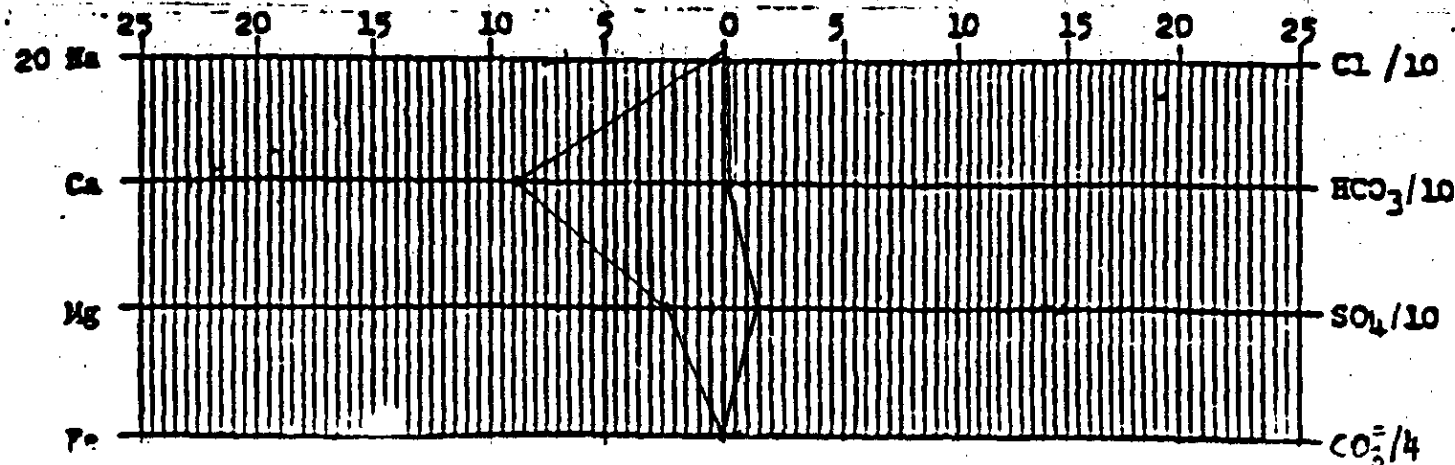
Chloride, Cl	28	0.8
Sulfate, SO ₄	691	14.4
Carbonate, CO ₃	0	0
Bicarbonate, HCO ₃	155	2.5
Hydroxide	0	0

OTHER PROPERTIES

pH	7.52
Specific Gravity, 60/60 F.	1.0038
Resistivity (ohm-meters) 71.6°F.	8.20
Conductivity	1.2 x 10 ⁵ µmho
Total Dissolved Solids (calc.)	1230 mg/l

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

REMARKS & RECOMMENDATIONS:



1562

30-045-22079

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

Operator MERIDIAN OIL Location: Unit SE Sec. 9 Twp 28 Rng 8Name of Well/Wells or Pipeline Serviced HARDIE E #2A

cps 1091w

Elevation 6326' Completion Date 6/20/77 Total Depth 650' Land Type* N/ACasing, Sizes, Types & Depths N/AIf Casing is cemented, show amounts & types used N/AIf Cement or Bentonite Plugs have been placed, show depths & amounts used
N/ADepths & thickness of water zones with description of water when possible:
Fresh, Clear, Salty, Sulphur, Etc. WET AT 60' & 400'Depths gas encountered: N/AType & amount of coke breeze used: 84 SACKSDepths anodes placed: 610', 600', 590', 580', 570', 560', 550', 520', 510', 500'Depths vent pipes placed: 610' OF 1" PVC VENT PIPEVent pipe perforations: 220'Remarks: gb #1

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

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

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

4=30065-07433
1A=30-045-23720

4921

DATA SHEET FOR DEEP GROUND BED CATHODIC PROTECTION WELLS
NORTHWESTERN NEW MEXICO
(Submit 3 copies to OCD Aztec Office)Operator MERIDIAN OIL Location: Unit SE Sec. 16 Twp 28 Rng 8Name of Well/Wells or Pipeline Serviced HARDIE E #4, #1Acps 406wElevation 5851' Completion Date 8/24/81 Total Depth 360' Land Type* N/ACasing, Sizes, Types & Depths N/AIf Casing is cemented, show amounts & types used N/AIf Cement or Bentonite Plugs have been placed, show depths & amounts used
N/ADepths & thickness of water zones with description of water when possible:
Fresh, Clear, Salty, Sulphur, Etc. 60' SAMPLE TAKENDepths gas encountered: N/AType & amount of coke breeze used: N/ADepths anodes placed: 320', 300', 280', 260', 230', 210', 180', 145', 125', 105'Depths vent pipes placed: 320'Vent pipe perforations: 280'Remarks: qb #2RECEIVED
MAY 31 1991

OIL CON. DIV.

DIST. 3

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

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

El Paso Natural Gas Company
Form 7-238 (Rev. 11-71)WELL CASING
CATHODIC PROTECTION CONSTRUCTION REPORT
DAILY LOGDrilling Log (Attach Hereto). ☐Completion Date 8-24-81

Well Name HARDIE E 1A		Location SE 16 28-8		CPS No. 406W	
Type & Size Bit Used ✓ E 4				Work Order No. 576 51-21-50-20	
Anode Hole Depth DRILL 360 LOG 359'	Total Drilling Rig Time	Total Lbs. Coke Used	Lost Circulation Mat'l Used	No. Sacks Mud Used 54 215-19-50-20	
Anode Depth	# 1	# 2	# 3	# 4	# 5
	320	300	280	260	230
Anode Output (Amps)	# 1	# 2	# 3	# 4	# 5
	3.25	2.75	2.60	2.73	2.70
Anode Depth	# 6	# 7	# 8	# 9	# 10
	210	180	145	125	105
Anode Output (Amps)	# 6	# 7	# 8	# 9	# 10
	2.62	3.04	3.05	4.63	3.00
Anode Depth	# 11	# 12	# 13	# 14	# 15
Anode Output (Amps)	# 11	# 12	# 13	# 14	# 15
Total Circuit Resistance	Volts		Amps		Ohms
	11.92		16.4		.72
No. 8 C.P. Cable Used					No. 2 C.P. Cable Used

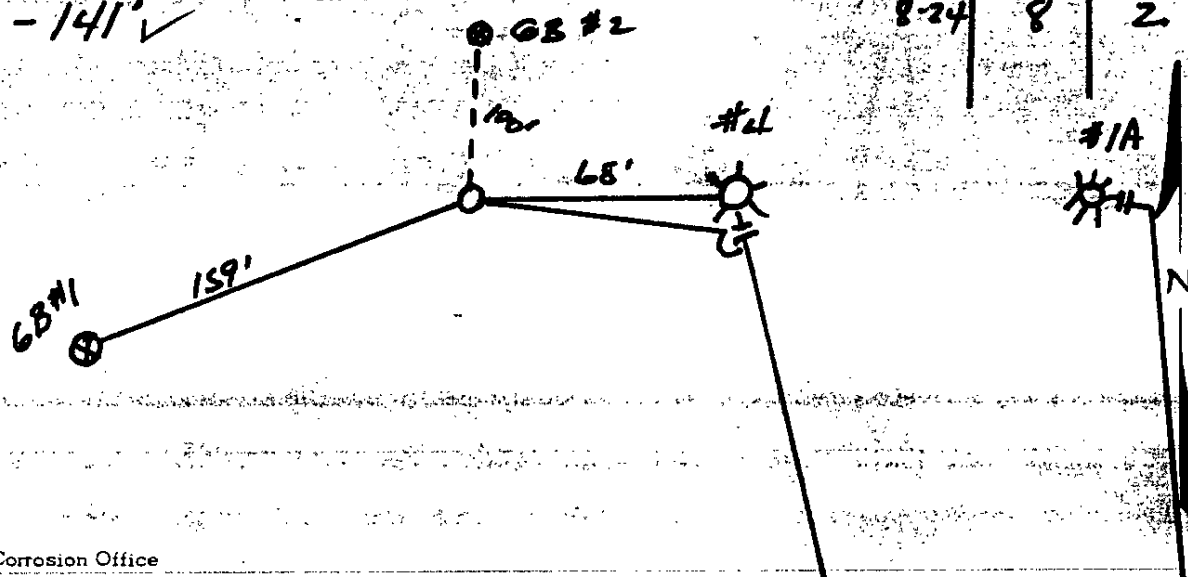
Remarks: REDRILL STATIC ON # E4 = .83NW STATION E1A = .87E
WATER AT 60' (SAMPLE) 40' PLAIN 1" VENT BALANCE
PERFORATED.
NEGATIVE TO E1A TO BE FLOWED W/ DOZIER WHEN
CLEAR W/ BLM.

All Construction Completed

DITCH #1 CABLE = 100' ✓

HOLE = -141' ✓

GROUND BED LAYOUT SKETCH



DISTRIBUTION:

WHITE - Division Corrosion Office
 YELLOW - Area Corrosion Office
 PINK - Originator File

Hardie E.A. Hardie E.A. 400 W

400 W

DAILY DRILLING REPORT

LEASE: WELL NO.: CONTRACT NO.: RIG NO.: REPORT NO.: DATE: Aug 2 1966

MORNING DAYLIGHT EVENING

MORNING						DAYLIGHT						EVENING					
Driller		Total Men In Crew				Driller		Total Men In Crew				Driller		Total Men In Crew			
FROM	TO	FORMATION	WT-BIT	R.P.M.		FROM	TO	FORMATION	WT-BIT	R.P.M.		FROM	TO	FORMATION	WT-BIT	R.P.M.	

MORNING			DAYLIGHT			EVENING		
BIT NO.	NO. DC	SIZE	BIT NO.	NO. DC	SIZE	BIT NO.	NO. DC	SIZE
AL NO.	STANDS	LENG.	SERIAL NO.	STANDS	LENG.	SERIAL NO.	STANDS	LENG.
SIZE	SINGLES		SIZE	SINGLES		SIZE	SINGLES	
TYPE	DOWN ON KELLY		TYPE	DOWN ON KELLY		TYPE	DOWN ON KELLY	
MAKE	TOTAL DEPTH		MAKE	TOTAL DEPTH		MAKE	TOTAL DEPTH	

MUD RECORD			MUD, ADDITIVES USED AND RECEIVED			MUD RECORD			MUD, ADDITIVES USED AND RECEIVED			MUD RECORD			MUD, ADDITIVES USED AND RECEIVED		
Time	Wt.	Vis.				Time	Wt.	Vis.				Time	Wt.	Vis.			

FROM	TO	TIME BREAKDOWN	FROM	TO	TIME BREAKDOWN	FROM	TO	TIME BREAKDOWN
0	60	Drill	240	300	Drill			
60	80	Shale	300	340	Shale			
80	90	Drill	340	360	Drill			
90	120	Drill						
120	180	Shale						
180	240	Drill						

REMARKS -			REMARKS -			REMARKS -		
Water	60	5 Gallon Min						
Drilled	360	TO 359						

SIGNED: Toolpusher *Steve Stroy*

Company Supervisor

EL PASO NATURAL GAS COMPANY
SAN JUAN DIVISION
FARMINGTON, NEW MEXICO
PRODUCTION DEPARTMENT WATER ANALYSIS

Analysis No. 1-10308 Date 9-11-81

Operator El Paso Natural Gas Well Name Hardie E-1A CPS 406 W

Location SE 16-28-8 County San Juan State New Mexico

Field Blanco Formation _____

Sampled From 60'

Date Sampled *8-24-81 By B.T.

Tbg. Press. _____ Csg. _____ Surface Csg. Press. _____

Sodium	ppm	epm	Chloride	ppm	epm
<u>1403</u>		<u>61.0</u>	<u>18</u>		<u>0.5</u>

Calcium	ppm	epm	Bicarbonate	ppm	epm
<u>342</u>		<u>17.1</u>	<u>81</u>		<u>1.3</u>

Magnesium	ppm	epm	Sulfate	ppm	epm
<u>21</u>		<u>1.7</u>	<u>3750</u>		<u>78.0</u>

Iron	ppm	epm	Carbonate	ppm	epm
<u>.</u>		<u>.</u>	<u>0</u>		<u>0</u>

H ₂ S	ppm	epm	Hydroxide	ppm	epm
<u>.</u>		<u>.</u>	<u>0</u>		<u>0</u>

cc: R. A. Ullrich
E. R. Paulek
J. W. McCarthy
J. D. Evans
W. B. Shropshire
D. C. Adams
File

HCO₃ taken to 4.0

Total Solids Dissolved 5,520

pH 7.8

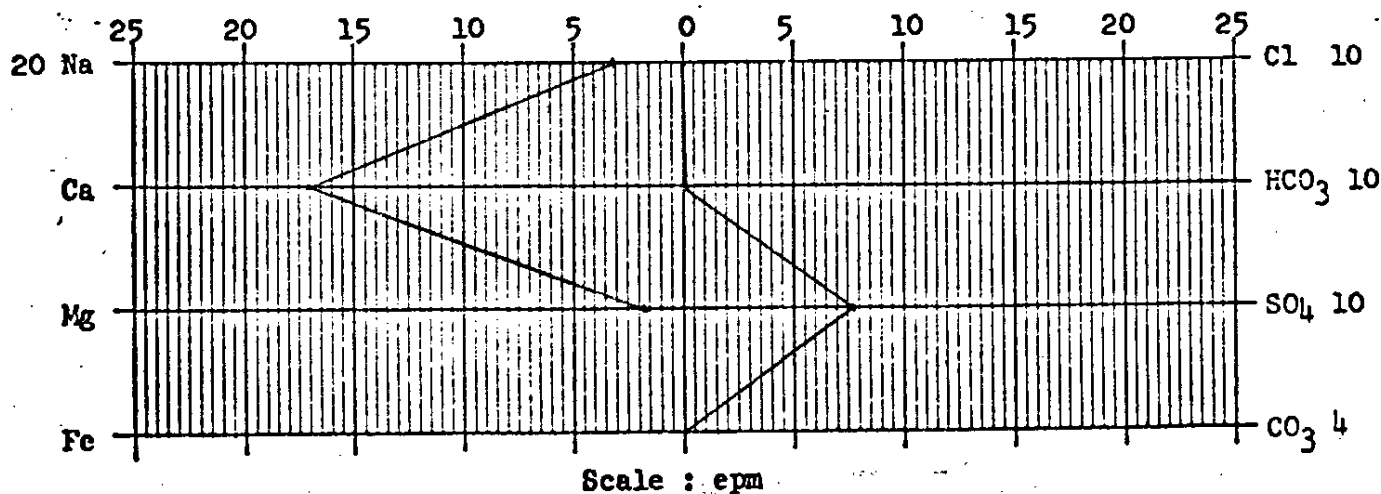
Sp. Gr. .9993 At 60°F

Resistivity 152 ohm-cm at 73°F

Dennis P. Bird

Chemist

RZE



El Paso Natural Gas Company
ENGINEERING CALCULATIONPage 8/26
Sheet: 10/11
Date: 8/21/11
By: BT
File: 10/11

406 W

SF 16-20-8

HARDIE

FIA

57651-21-50-2

HARDIE

E 4

54215-19-50-2

WATER AT 60' GOOD WATER SAND AT 200'

40' PLAIN VENT PIPE BALANCE PERFORATED

DRILLED TO 360'

LOGGED TO 359' TD

MW	gals/mol
16.04	C1 6.4
30.07	C2 10.12
44.10	C3 10.42
58.12	IC4 12.38
58.12	nC4 11.93
72.15	IC5 13.85
72.15	nC5 13.71
86.18	IC6 15.50
86.18	C6 15.57
100.21	IC7 17.2
100.21	C7 17.46
114.23	C8 19.39
28.06	C2 9.84
42.08	C3 9.87

MW	MISC.	gals/mol
32.00	O2	3.37
28.01	CO	4.19
44.01	CO2	6.38
64.06	SO2	5.50
34.08	H2S	5.17
28.01	N2	4.16
2.02	H2	3.38

60	144		60	129		60	152	4
65	119		65	146		65	160	
70	111		70	142		70	163	
75	103		75	141		75	155	
80	143		80	181	7	80	141	-3
85	158		85	181		85	139	
90	130		90	165		90	138	
95	107		95	132		95	129	
100	107		200	130		300	102	-2
5	109	-10	5	141		5	186	
10	267		10	150	6	10	140	
15	288		15	135		15	158	
20	289		20	136		20	213	1
25	276	-9	25	140		25	191	
30	269		30	142	-5	30	180	
35	188		35	157		35	163	
40	133		40	135		40	145	
45	162	-8	45	120		45	186	
50	175		50	150		50	160	
						359'		TD

1:	320'	221	3.25
2:	300'	1.76	2.75
3:	280'	1.45	2.60
4:	260'	1.63	2.73
5:	230'	1.50	2.70
6:	280'	1.58	2.62
7:	180'	1.75	3.04
8:	145'	1.71	3.05
9:	125'	2.96	4.63
10:	105'	1.76	3.00
TOTAL			

VOLTS = 11.92
AMPS = 16.4
Σ = .72

#1 = 30-045-07490

#7 = 30-045-20918

4785

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

Operator MERIDIAN OIL Location: Unit NE Sec. 16 Twp 28 Rng 8Name of Well/Wells or Pipeline Serviced HARDIE E #1, #7cps 652wElevation 6441' Completion Date 8/10/73 Total Depth 560' Land Type* N/ACasing, Sizes, Types & Depths N/AIf Casing is cemented, show amounts & types used N/AIf Cement or Bentonite Plugs have been placed, show depths & amounts used
N/ADepths & thickness of water zones with description of water when possible:
Fresh, Clear, Salty, Sulphur, Etc. 340'Depths gas encountered: N/AType & amount of coke breeze used: 8600 lbs.Depths anodes placed: 537', 529', 521', 513', 505', 497', 489', 481', 473', 390', 37'Depths vent pipes placed: N/AVent pipe perforations: 200'Remarks: gb #2

RECEIVED
MAY 31 1991
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.

El Paso Natural Gas Company
Form 7-238 (Rev. 1-69)WELL CASING
CATHODIC PROTECTION CONSTRUCTION REPORT
DAILY LOGDrilling Log (Attach Hereto). ☐Completion Date **8-10-73**

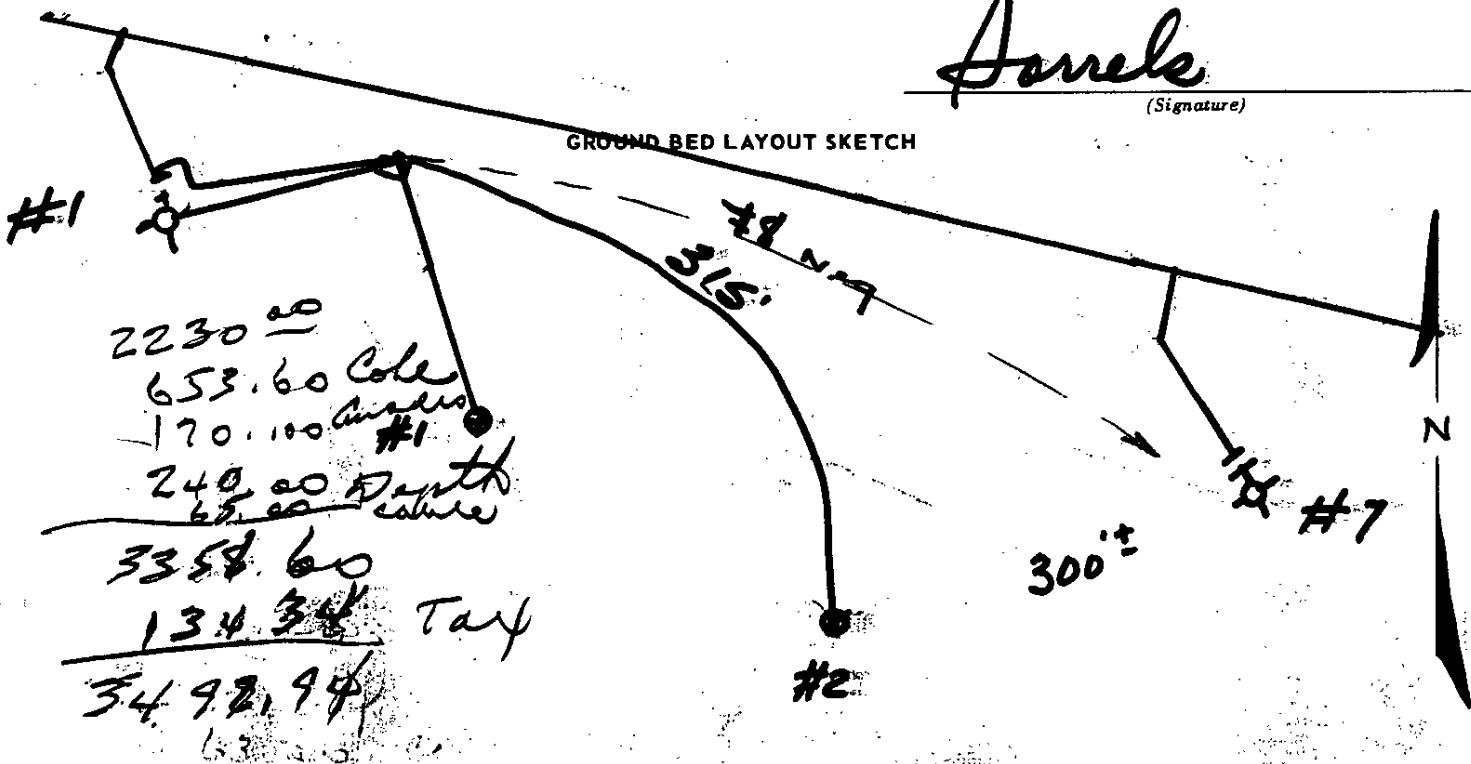
Well Name Hardie E#1 & E#7		Location NE16-28-8		CPS No. 652W	
Type & Size Bit Used 6 3/4				Work Order No. 53169 & 55166	
Anode Hole Depth 460.560	Total Drilling Rig Time 8,600	Total Lbs. Coke Used	Lost Circulation Mat'l Used	No. Sacks Mud Used	
Anode Depth					
#1 537	#2 529	#3 521	#4 513	#5 505	#6 497
#7 489	#8 481	#9 473	#10 390		
Anode Output (Amps)					
#1 2.5	#2 1.6	#3 1.4	#4 1.1	#5 1.5	#6 1.6
#7 1.5	#8 1.2	#9 1.1	#10 1.1		
Anode Depth					
#11 370	#12 360	#13	#14	#15	#16
#17	#18	#19	#20		
Anode Output (Amps)					
#11 1.5	#12 1.5	#13	#14	#15	#16
#17	#18	#19	#20		
Total Circuit Resistance					
Volts 11.4	Amps 6.5	Ohms 1.75	No. 8 C.P. Cable Used	No. 2 C.P. Cable Used	

Remarks: **vent Perf. 200; Pump 63 Slurry 23 Total 86**
Driller Said wet at 340-360, Drill to 440. Return Stopped
Pull up & Remove Boot at 340, Blew water out at 440.
on way Back to Bottom, Driller Said Coming From 340
wtr. injection to 550, Change to Mod, Drill to 560
lost Circ.

All Construction Completed

Areale
 (Signature)

GROUND BED LAYOUT SKETCH



Original & 1 Copy All Reports

C.P.S. # 652-W

LEASE Hardin WELL NO. E#1 R#7 CONTRACTOR Morgan RIG NO. REPORT NO. DATE 8-10 1973

MORNING					DAYLIGHT					EVENING				
Driller		Total Men In Crew			Driller		Total Men In Crew			Driller		Total Men In Crew		
FROM	TO	FORMATION	WT-BIT	R.P.M.	FROM	TO	FORMATION	WT-BIT	R.P.M.	FROM	TO	FORMATION	WT-BIT	R.P.M.
0	340	Dry Sand			53'	560	Sand							
340	360	Wet Sand (Wash Water)												
360	500	Sand												
500	530	Sand												

BIT NO.		NO. OC	SIZE	LENG.	BIT NO.		NO. OC	SIZE	LENG.	BIT NO.		NO. DC	SIZE	LENG.
SERIAL NO.		STANDS			SERIAL NO.		STANDS			SERIAL NO.		STANDS		
SIZE		SINGLES			SIZE		SINGLES			SIZE		SINGLES		
TYPE		DOWN ON KELLY			TYPE		DOWN ON KELLY			TYPE		DOWN ON KELLY		
MAKE		TOTAL DEPTH			MAKE		TOTAL DEPTH			MAKE		TOTAL DEPTH		

MUD RECORD			MUD, ADDITIVES USED AND RECEIVED			MUD RECORD			MUD, ADDITIVES USED AND RECEIVED			MUD RECORD			MUD, ADDITIVES USED AND RECEIVED		
Time	Wt.	Vis.				Time	Wt.	Vis.				Time	Wt.	Vis.			

FROM	TO	TIME BREAKDOWN	FROM	TO	TIME BREAKDOWN	FROM	TO	TIME BREAKDOWN

REMARKS -	REMARKS -	REMARKS -

SIGNED: Toolpusher Rob Morgan Company Supervisor _____

Released to Imaging: 12/9/2022 10:52:17 AM

652W - 8-10-73

350	5	530	17	Drill 550 with air - No Return
	8		2.2	Chng to wt. & Mud to 550 To 560
60	1.0	40	2.1	Couldnt Keep Circ -
	1.1	43	1.8	Stop Drill 12:30 A.M.
70	9-	44	1.0	Log - 9:30 A.M.
	1			Driller said Damp at 590
80	.6	<u>Waive Guarantee</u>		Drill to 440, Pull up to Remove
	.8			Boat around pipe at 340
90	.8			Blew wtr. out at 400 going
	.7			Back to Bottom - Driller think
400	.7			wtr coming from 340
	.7			Vent Perf. 200
10	.7			Pump 63 Slurry 23 Total 86
	.7			
20	.7	12	360	10 1.0 1.5
	.6	11	370	9 1.0 1.5
30	.6	10	390	8 8 1.1
	.6	9	473	8 8 1.1
40	.6	8	481	10 9 1.2
	.6	7	489	11 10 1.5
50	.6	6	497	12 1.1 1.6
	.6	5	505	8 1.0 1.5
60	.7	4	513	8 .7 1.1
	.8	3	521	10 .9 1.4
70	.8	2	529	16 10 1.6
	.9	1	537	21 19 2.5
80	1.0			
	1.1			11.4 V 6.5 A = 1.25
90	1.2			
	1.4			
500	1.0			
	.8			
10	.8			
	.8			
20	1.0			
	1.1			



APPENDIX C

Executed C-138 Solid Waste Acceptance Form

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

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

Form C-138
Revised 08/01/11

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

97057-1125

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. Generator Name and Address:

Enterprise Field Services, LLC, 614 Reilly Ave, Farmington NM 87401

PayKey: EM20767
PM: ME Eddleman
AFE: A60143

2. Originating Site:

Jones ALS #7

3. Location of Material (Street Address, City, State or ULSTR):

UL E Section 15 T28N R8W; 36.664887, -107.674524

Aug / Sep 2022

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) 674/12 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* 8-9-2022, representative for Enterprise Products Operating authorizes Envirotech, Inc. to complete

Generator Signature

the required testing/sign the Generator Waste Testing Certification.

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

5. Transporter: TBD IME, Rolling P, Sierra, 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

SIGNATURE: [Signature]

Surface Waste Management Facility Authorized Agent

TITLE: Enviro Manager

TELEPHONE NO.:

505-632-0615

DATE: 8/10/22



APPENDIX D

Photographic Documentation

SITE PHOTOGRAPHS

Closure Report
Enterprise Field Services, LLC
Jones A LS #7 (08/15/22)
Ensolum Project No. 05A1226196

**Photograph 1**

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

**Photograph 2**

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

**Photograph 3**

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



SITE PHOTOGRAPHS

Closure Report
Enterprise Field Services, LLC
Jones A LS #7 (08/15/22)
Ensolum Project No. 05A1226196

**Photograph 4**

Photograph Description: View of the excavation (fifth and sixth sampling event).

**Photograph 5**

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

**Photograph 6**

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



SITE PHOTOGRAPHS

Closure Report
Enterprise Field Services, LLC
Jones A LS #7 (08/15/22)
Ensolum Project No. 05A1226196



Photograph 7

Photograph Description: View of the site after initial restoration.





APPENDIX E

Regulatory Correspondence

From: [Kyle Summers](#)
To: [Landon Daniell](#)
Cc: [Ranee Deechilly](#)
Subject: FW: [EXTERNAL] Jones A LS#7 - UL E Section 15 T28N R8W; 36.664887, -107.674524; Incident # nAPP2222735338
Date: Wednesday, September 14, 2022 8:45:37 AM

Kyle Summers
Principal
903-821-5603
Ensolum, LLC

-----Original Message-----

From: Velez, Nelson, EMNRD <Nelson.Velez@state.nm.us>
Sent: Wednesday, September 14, 2022 8:45 AM
To: Long, Thomas <tjlong@eprod.com>
Cc: Ryan Joyner <rjoyner@blm.gov>; Kyle Summers <ksummers@ensolum.com>; Stone, Brian <bmstone@eprod.com>
Subject: RE: [EXTERNAL] Jones A LS#7 - UL E Section 15 T28N R8W; 36.664887, -107.674524; Incident # nAPP2222735338

[**EXTERNAL EMAIL**]

Tom,

Thank you for the notice. Your variance request is approved.

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

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

Regards

Nelson Velez • Environmental Specialist - Adv Environmental Bureau | EMNRD - Oil Conservation Division
1000 Rio Brazos Road | Aztec, NM 87410
(505) 469-6146 | nelson.velez@state.nm.us

Office Hrs.:
7:00am – 12:00pm & 1:00 – 3:30 pm Mon.–Thur.
7:00am – 12:00pm & 1:00 – 4:00 pm Fri.

-----Original Message-----

From: Long, Thomas <tjlong@eprod.com>
Sent: Tuesday, September 13, 2022 4:00 PM
To: Velez, Nelson, EMNRD <Nelson.Velez@state.nm.us>
Cc: Ryan Joyner <rjoyner@blm.gov>; Kyle Summers <ksummers@ensolum.com>; Stone, Brian

<bmstone@eprod.com>

Subject: RE: [EXTERNAL] Jones A LS#7 - UL E Section 15 T28N R8W; 36.664887, -107.674524; Incident # nAPP2222735338

Nelson/Ryan,

This email is a notification and a variance request. Enterprise is requesting a variance for required 48 hour notification per 19.15.29.12D (1a) NMAC. Enterprise would like to collect partial closure samples tomorrow September 14, 2022 at 10:00 a.m. at the Jones A LS#7 excavation. Please acknowledge acceptance of this variance request. If you have any questions, please call or email.

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

-----Original Message-----

From: Velez, Nelson, EMNRD <Nelson.Velez@state.nm.us>

Sent: Friday, September 9, 2022 1:21 PM

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

Cc: Ryan Joyner <rjoyner@blm.gov>; Kyle Summers <ksummers@ensolum.com>; Stone, Brian <bmstone@eprod.com>

Subject: RE: [EXTERNAL] Jones A LS#7 - UL E Section 15 T28N R8W; 36.664887, -107.674524; Incident # nAPP2222735338

[Use caution with links/attachments]

Tom,

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

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

Regards

Nelson Velez • Environmental Specialist - Adv Environmental Bureau | EMNRD - Oil Conservation Division
1000 Rio Brazos Road | Aztec, NM 87410
(505) 469-6146 | nelson.velez@state.nm.us

Office Hrs.:

7:00am – 12:00pm & 1:00 – 3:30 pm Mon.–Thur.

7:00am – 12:00pm & 1:00 – 4:00 pm Fri.

-----Original Message-----

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

Sent: Friday, September 9, 2022 12:14 PM
To: Velez, Nelson, EMNRD <Nelson.Velez@state.nm.us>
Cc: Ryan Joyner <rjoyner@blm.gov>; Kyle Summers <ksummers@ensolum.com>; Stone, Brian <bmstone@eprod.com>
Subject: Re: [EXTERNAL] Jones A LS#7 - UL E Section 15 T28N R8W; 36.664887, -107.674524; Incident # nAPP2222735338

Nelson/Ryan,

This email is a notification that Enterprise will be collecting closure samples on September 12, 2022 at 1:00 p.m. at the Jones A LS#7 excavation. If you have any questions, please call or email.

Tom Long

> On Sep 7, 2022, at 11:06 AM, Velez, Nelson, EMNRD <Nelson.Velez@state.nm.us> wrote:
>
> [Use caution with links/attachments]
>
> Tom,
>
> Thank you for the notice. Your variance request is approved.
>
> If an OCD representative is not on-site on the date &/or time given, please sample per 19.15.29 NMAC. For whatever reason, if the sampling timeframe is altered, please notify the OCD as soon as possible so we may adjust our schedule(s). Failure to notify the OCD of this change may result in the closure sample(s) not being accepted.
>
> Please keep a copy of this communication for inclusion within the appropriate report submittal.
>
> Regards
>
>
>
> Nelson Velez • Environmental Specialist - Adv Environmental Bureau |
> EMNRD - Oil Conservation Division
> 1000 Rio Brazos Road | Aztec, NM 87410
> (505) 469-6146 | nelson.velez@state.nm.us
>
> Office Hrs.:
> 7:00am – 12:00pm & 1:00 – 3:30 pm Mon.–Thur.
> 7:00am – 12:00pm & 1:00 – 4:00 pm Fri.
>
> -----Original Message-----
> From: Long, Thomas <tjlong@eprod.com>
> Sent: Wednesday, September 7, 2022 10:31 AM
> To: Velez, Nelson, EMNRD <Nelson.Velez@state.nm.us>; Ryan Joyner <rjoyner@blm.gov>
> Cc: Kyle Summers <ksummers@ensolum.com>; Stone, Brian <bmstone@eprod.com>
> Subject: RE: [EXTERNAL] Jones A LS#7 - UL E Section 15 T28N R8W;
> 36.664887, -107.674524; Incident # nAPP2222735338
>
> Nelson/Ryan,
>
> This email is a notification and a variance request. Enterprise is requesting a variance for required 48 hour notification per 19.15.29.12D (1a) NMAC. Enterprise would like to collect partial closure samples tomorrow September 8, 2022 at 9:00 a.m. at the Jones A LS#7 excavation. Please acknowledge acceptance of this variance

request. If you have any questions, please call or email.

>

> Thomas J. Long

> Senior Environmental Scientist

> Enterprise Products Company

> 614 Reilly Ave.

> Farmington, New Mexico 87401

> 505-599-2286 (office)

> 505-215-4727 (Cell)

> tjlong@eprod.com

>

>

>

>

> -----Original Message-----

> From: Velez, Nelson, EMNRD <Nelson.Velez@state.nm.us>

> Sent: Thursday, September 1, 2022 12:08 PM

> To: Long, Thomas <tjlong@eprod.com>; Ryan Joyner <rjoyner@blm.gov>

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

> <bmstone@eprod.com>

> Subject: RE: [EXTERNAL] Jones A LS#7 - UL E Section 15 T28N R8W;

> 36.664887, -107.674524; Incident # nAPP2222735338

>

> [Use caution with links/attachments]

>

> Tom,

>

> Thank you for the notice. Your variance request is approved.

>

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

>

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

>

> Regards

>

>

> Nelson Velez • Environmental Specialist - Adv Environmental Bureau |

> EMNRD - Oil Conservation Division

> 1000 Rio Brazos Road | Aztec, NM 87410

> (505) 469-6146 | nelson.velez@state.nm.us

>

> Office Hrs.:

> 7:00am – 12:00pm & 1:00 – 3:30 pm Mon.–Thur.

> 7:00am – 12:00pm & 1:00 – 4:00 pm Fri.

>

> -----Original Message-----

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

> Sent: Thursday, September 1, 2022 12:04 PM

> To: Velez, Nelson, EMNRD <Nelson.Velez@state.nm.us>; Ryan Joyner

> <rjoyner@blm.gov>

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

> <bmstone@eprod.com>

> Subject: Fwd: [EXTERNAL] Jones A LS#7 - UL E Section 15 T28N R8W;

> 36.664887, -107.674524; Incident # nAPP2222735338

>

>
> Nelson/Ryan,
>
> This email is a notification and a variance request. Enterprise is
> requesting a variance for required 48 hour notification per
> 19.15.29.12D (1a) NMAC. Enterprise would like to collect partial
> closure samples tomorrow September 2, 2022 at 9:00 a.m. at the Jones A
> LS#7 excavation. Please acknowledge acceptance of this variance
> request. If you have any questions, please call or email
>
> Tom Long
>
>
> Begin forwarded message:
>
> From: "Long, Thomas" <tjlong@eprod.com>
> Date: August 25, 2022 at 11:05:00 AM MDT
> To: "Velez, Nelson, EMNRD" <Nelson.Velez@state.nm.us>
> Cc: Ryan Joyner <rjoyner@blm.gov>, "Stone, Brian" <bmstone@eprod.com>,
> Kyle Summers <ksummers@ensolum.com>
> Subject: RE: [EXTERNAL] Jones A LS#7 - UL E Section 15 T28N R8W;
> 36.664887, -107.674524; Incident # nAPP2222735338
>
> Nelson/Ryan,
>
> This email is a notification and a variance request. Enterprise is requesting a variance for required 48 hour
notification per 19.15.29.12D (1a) NMAC. Enterprise would like to collect partial closure samples tomorrow
August 26, 2022 at 10:00 a.m. at the Jones A LS#7 excavation. Please acknowledge acceptance of this variance
request. If you have any questions, please call or email.
>
> Thomas J. Long
> Senior Environmental Scientist
> Enterprise Products Company
> 614 Reilly Ave.
> Farmington, New Mexico 87401
> 505-599-2286 (office)
> 505-215-4727 (Cell)
> tjlong@eprod.com
>
>
>
>
> -----Original Message-----
> From: Velez, Nelson, EMNRD <Nelson.Velez@state.nm.us>
> Sent: Friday, August 19, 2022 3:08 PM
> To: Long, Thomas <tjlong@eprod.com>
> Cc: Ryan Joyner <rjoyner@blm.gov>; Stone, Brian <bmstone@eprod.com>;
> Kyle Summers <ksummers@ensolum.com>
> Subject: RE: [EXTERNAL] Jones A LS#7 - UL E Section 15 T28N R8W;
> 36.664887, -107.674524; Incident # nAPP2222735338
>
> [Use caution with links/attachments]
>
> Tom,
>
> Thank you for the notice. If an OCD representative is not on-site on the date &/or time given, please sample per
19.15.29 NMAC. For whatever reason, if the sampling timeframe is altered, please notify the OCD as soon as

possible so we may adjust our schedule(s). Failure to notify the OCD of this change may result in the closure sample(s) not being accepted.

>

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

>

> Regards

>

>

>

> Nelson Velez • Environmental Specialist - Adv Environmental Bureau |

> EMNRD - Oil Conservation Division

> 1000 Rio Brazos Road | Aztec, NM 87410

> (505) 469-6146 | nelson.velez@state.nm.us

>

> Office Hrs.:

> 7:00am – 12:00pm & 1:00 – 3:30 pm Mon.–Thur.

> 7:00am – 12:00pm & 1:00 – 4:00 pm Fri.

>

> -----Original Message-----

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

> Sent: Friday, August 19, 2022 12:51 PM

> To: Velez, Nelson, EMNRD <Nelson.Velez@state.nm.us>

> Cc: Ryan Joyner <rjoyner@blm.gov>; Stone, Brian <bmstone@eprod.com>;

> Kyle Summers <ksummers@ensolum.com>

> Subject: Re: [EXTERNAL] Jones A LS#7 - UL E Section 15 T28N R8W;

> 36.664887, -107.674524; Incident # nAPP2222735338

>

> Nelson/Ryan,

>

> The email is a notification that Enterprise will be collecting soil samples at the Jone A LS #7 excavation on Monday August 22, 2022 at 10:00 a.m. If you have any questions, please call or email.

>

> Tom Long

>

>

> On Aug 17, 2022, at 1:45 PM, Velez, Nelson, EMNRD <Nelson.Velez@state.nm.us> wrote:

>

> [Use caution with links/attachments]

>

> Tom,

>

> Thank you for the notice. Your variance request is approved.

>

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

>

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

>

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

>

> Regards

>

>

>

>

> Nelson Velez ● Environmental Specialist - Adv Environmental Bureau |
> EMNRD - Oil Conservation Division
> 1000 Rio Brazos Road | Aztec, NM 87410
> (505) 469-6146 | nelson.velez@state.nm.us
>
> Office Hrs.:
> 7:00am – 12:00pm & 1:00 – 3:30 pm Mon.–Thur.
> 7:00am – 12:00pm & 1:00 – 4:00 pm Fri.
>
> -----Original Message-----
> From: Long, Thomas <tjlong@eprod.com>
> Sent: Wednesday, August 17, 2022 12:41 PM
> To: Velez, Nelson, EMNRD <Nelson.Velez@state.nm.us>; Ryan Joyner
> <rjoyner@blm.gov>; Stone, Brian <bmstone@eprod.com>; Kyle Summers
> <ksummers@ensolum.com>
> Subject: Fwd: [EXTERNAL] Jones A LS#7 - UL E Section 15 T28N R8W;
> 36.664887, -107.674524; Incident # nAPP2222735338
>
> Nelson/Ryan
>
> This email is a notification and a variance request. Enterprise is requesting a variance for required 48 hour
notification per 19.15.29.12D (1a) NMAC. Enterprise would like to collect partial closure samples tomorrow
August 18, 2022 at 11:00 a.m. at the Jones A LS#7 excavation. Please acknowledge acceptance of this variance
request. If you have any questions, please call or email.
>
> Tom Long
>
>
> Begin forwarded message:
>
> From: "Velez, Nelson, EMNRD" <Nelson.Velez@state.nm.us>
> Date: August 15, 2022 at 3:44:35 PM MDT
> To: "Long, Thomas" <tjlong@eprod.com>, rjoyner@blm.gov
> Cc: "Stone, Brian" <bmstone@eprod.com>, Kyle Summers
> <ksummers@ensolum.com>
> Subject: RE: [EXTERNAL] Jones A LS#7 - UL E Section 15 T28N R8W;
> 36.664887, -107.674524; Incident # nAPP2222735338
>
>
> [Use caution with links/attachments]
> Tom,
>
> Thank you for the notice. Your variance request is approved.
>
> If an OCD representative is not on-site on the date &/or time given, please sample per 19.15.29 NMAC. For
whatever reason, if the sampling timeframe is altered, please notify the OCD as soon as possible so we may adjust
our schedule(s). Failure to notify the OCD of this change may result in the closure sample(s) not being accepted.
>
> Please keep a copy of this communication for inclusion within the appropriate report submittal.
>
> Regards
>
>
>
> Nelson Velez ● Environmental Specialist - Adv Environmental Bureau |
> EMNRD - Oil Conservation Division
> 1000 Rio Brazos Road | Aztec, NM 87410

> (505) 469-6146 |
> nelson.velez@state.nm.us<<mailto:nelson.velez@state.nm.us>>
>
> Office Hrs.:
> 7:00am – 12:00pm & 1:00 – 3:30 pm Mon.–Thur.
> 7:00am – 12:00pm & 1:00 – 4:00 pm Fri.
>
> From: Long, Thomas <tjlong@eprod.com>
> Sent: Monday, August 15, 2022 2:52 PM
> To: Velez, Nelson, EMNRD <Nelson.Velez@state.nm.us>; rjoyner@blm.gov
> Cc: Stone, Brian <bmstone@eprod.com>; Kyle Summers
> <ksummers@ensolum.com>
> Subject: [EXTERNAL] Jones A LS#7 - UL E Section 15 T28N R8W;
> 36.664887, -107.674524; Incident # nAPP2222735338
>
> CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or
opening attachments.
> Nelson/Ryan
>
> This email is a notification and a variance request. Enterprise is requesting a variance for required 48 hour
notification per 19.15.29.12D (1a) NMAC. Enterprise would like to collect partial closure samples tomorrow
August 16, 2022 at 2:00 p.m. at the Jones A LS#7 excavation. Please acknowledge acceptance of this variance
request. If you have any questions, please call or email.
>
>
> Thomas J. Long
> Senior Environmental Scientist
> Enterprise Products Company
> 614 Reilly Ave.
> Farmington, New Mexico 87401
> 505-599-2286 (office)
> 505-215-4727 (Cell)
> tjlong@eprod.com<<mailto:tjlong@eprod.com>>
>
> [image001.jpg]
>
>
>
> _____
>
> This message (including any attachments) is confidential and intended for a specific individual and purpose. If
you are not the intended recipient, please notify the sender immediately and delete this message.



APPENDIX F

Table 1 – Soil Analytical Summary



TABLE 1
Jones A LS#7 (08/15/22)
SOIL ANALYTICAL SUMMARY

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 (mg/kg)	Total Combined TPH (GRO/DRO/MRO) ¹ (mg/kg)	Chloride (mg/kg)
		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 I and Tier II)				10	NE	NE	NE	50	NE	NE	NE	Tier II - 1,000	Tier I (<4 feet) - 100 Tier II - 2,500	Tier I (<4 feet) - 600 Tier II - 10,000
Composite Soil Samples Removed by Excavation and Transported to the Landfarm for Disposal/Remediation														
S-1	8.11.22	C	4	2.6	43	11	86	140	1,400	300	350	1,700	2,100	210
S-2	8.11.22	C	4	0.83	15	4.8	47	68	840	1,200	2,000	2,000	4,000	<60
S-3	8.11.22	C	4	<0.090	<0.18	<0.18	<0.36	ND	<18	<14	<47	ND	ND	<60
S-4	8.11.22	C	0 to 4	0.92	20	8.9	76	110	1,100	850	1,900	2,000	3,900	<60
S-5	8.11.22	C	0 to 4	<0.095	0.28	0.55	4.5	5.3	100	160	330	260	590	<60
S-7	8.11.22	C	0 to 4	<0.018	0.11	0.15	1.1	1.4	44	89	240	130	370	<60
S-8	8.11.22	C	0 to 4	0.31	9.0	3.8	36	49	660	260	270	920	1,200	<60
S-9	8.11.22	C	0 to 4	<0.015	0.099	0.14	4.9	5.1	90	210	150	300	450	<60
S-28	9.12.22	C	0 to 4	<0.017	<0.035	<0.035	0.16	0.16	4.5	130	100	130	230	<60
SP-3	8.11.22	C	Stockpile	<0.018	<0.036	0.043	0.47	0.51	9.8	43	220	53	270	<60
SP-4	8.11.22	C	Stockpile	<0.083	2.4	1.3	22	26	340	390	1,400	730	2,100	<60
Composite Soil Samples Collected from Stockpiled Soils														
SP-1	8.11.22	C	Stockpile	<0.018	<0.037	<0.037	<0.074	ND	<3.7	<14	<47	ND	ND	<60
SP-2	8.11.22	C	Stockpile	<0.016	<0.032	<0.032	<0.064	ND	<3.2	<15	<49	ND	ND	<60
Excavation Composite Soil Samples														
S-6	8.11.22	C	0 to 4	<0.020	<0.039	<0.039	<0.079	ND	<3.9	<15	<49	ND	ND	<60
S-10	8.16.22	C	5.5	<0.017	<0.034	<0.034	<0.069	ND	<3.4	<15	<50	ND	ND	<61
S-11	8.16.22	C	5.5	<0.018	<0.035	<0.035	<0.071	ND	<3.5	22	<50	22	22	<60
S-12	8.16.22	C	0 to 5.5	<0.025	<0.051	<0.051	<0.10	ND	<5.1	<14	<48	ND	ND	<61
S-13	8.16.22	C	0 to 5.5	<0.019	<0.038	<0.038	<0.075	ND	<3.8	<14	<47	ND	ND	<60
S-14	8.18.22	C	0 to 5.5	<0.097	<0.19	<0.19	<0.39	ND	<19	<15	<49	ND	ND	<60
S-15	8.18.22	C	5.5	<0.077	<0.15	<0.15	<0.31	ND	<15	<15	<50	ND	ND	<59
S-16	8.22.22	C	5.5	<0.019	0.058	<0.038	0.27	0.33	6.4	<14	<47	6.4	6.4	<60
S-17	8.22.22	C	0 to 5.5	<0.018	<0.036	<0.036	<0.072	ND	<3.6	<14	<47	ND	ND	<60
S-18	9.02.22	C	11	<0.12	<0.24	<0.24	<0.48	ND	<24	<14	<46	ND	ND	<61
S-19	9.08.22	C	11	<0.089	<0.18	<0.18	<0.35	ND	<18	18	79	18	97	<60
S-20	9.08.22	C	11	<0.097	<0.19	<0.19	<0.39	ND	<19	<15	<49	ND	ND	<60
S-21	9.08.22	C	5.5 to 11	<0.091	<0.18	<0.18	<0.36	ND	<18	<14	<47	ND	ND	<60



TABLE 1
Jones A LS#7 (08/15/22)
SOIL ANALYTICAL SUMMARY

Sample I.D.	Date	Sample Type C- Composite G - Grab	Sample Depth (feet)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylenes (mg/kg)	Total BTEX ¹ (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH MRO (mg/kg)	Total Combined TPH (GRO/DRO) ¹ (mg/kg)	Total Combined TPH (GRO/DRO/MRO) ¹ (mg/kg)	Chloride (mg/kg)
New Mexico Energy, Mineral & Natural Resources Department Oil Conservation Division Closure Criteria (Tier I and Tier II)				10	NE	NE	NE	50	NE	NE	NE	Tier II - 1,000	Tier I (<4 feet) - 100 Tier II - 2,500	Tier I (<4 feet) - 600 Tier II - 10,000
S-22	9.08.22	C	0 to 4	<0.098	<0.20	<0.20	<0.39	ND	<20	<15	<49	ND	ND	<60
S-23	9.08.22	C	4 to 11	<0.10	<0.20	<0.20	1.3	1.3	42	<14	<47	42	42	<60
S-24	9.08.22	C	0 to 4	<0.019	<0.038	<0.038	<0.075	ND	<3.8	<15	<49	ND	ND	<60
S-25	9.08.22	C	4 to 11	<0.018	<0.035	<0.035	<0.071	ND	<3.5	<14	<47	ND	ND	<60
S-26	9.12.22	C	11	<0.10	0.64	0.42	4.7	5.8	96	88	<49	180	180	<60
S-27	9.12.22	C	11	<0.019	<0.039	<0.039	0.084	0.084	<3.9	<14	<48	ND	ND	<60
S-29	9.12.22	C	4 to 11	<0.091	<0.18	<0.18	0.46	0.46	<18	37	140	37	180	<60
S-30	9.12.22	C	0 to 4	<0.018	<0.035	<0.035	<0.071	ND	<3.5	<14	<48	ND	ND	<60
S-31	9.12.22	C	4 to 11	<0.10	1.3	0.45	4.4	6.2	77	56	<47	130	130	<60
S-32	9.12.22	C	0 to 4	<0.10	0.50	<0.20	1.7	2.2	36	62	<50	98	98	<60
S-33	9.12.22	C	4 to 11	<0.016	<0.033	<0.033	<0.065	ND	<3.3	260	160	260	420	<61
S-34	9.14.22	C	4	<0.10	0.48	0.21	2.0	2.7	42	<15	<49	42	42	<60
S-35	9.14.22	C	0 to 4	<0.018	<0.035	<0.035	<0.071	ND	<3.5	<15	<49	ND	ND	<60
S-36	9.14.22	C	0 to 4	<0.019	<0.038	<0.038	<0.076	ND	<3.8	<14	<47	ND	ND	<60
S-37	9.14.22	C	0 to 4	<0.018	<0.037	<0.037	<0.074	ND	<3.7	<15	<50	ND	ND	<60

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

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

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

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: www.hallenvironmental.com

August 17, 2022

Kyle Summers

ENSOLUM

606 S. Rio Grande Suite A

Aztec, NM 87410

TEL: (903) 821-5603

FAX:

RE: Jones A LS 7

OrderNo.: 2208799

Dear Kyle Summers:

Hall Environmental Analysis Laboratory received 13 sample(s) on 8/12/2022 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 horizontal line.

Andy Freeman

Laboratory Manager

4901 Hawkins NE

Albuquerque, NM 87109

Analytical Report

Lab Order 2208799

Date Reported: 8/17/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-1

Project: Jones A LS 7

Collection Date: 8/11/2022 12:00:00 PM

Lab ID: 2208799-001

Matrix: SOIL

Received Date: 8/12/2022 6:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	210	60		mg/Kg	20	8/12/2022 11:27:26 AM	69461
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	300	15		mg/Kg	1	8/12/2022 1:19:31 PM	69457
Motor Oil Range Organics (MRO)	350	49		mg/Kg	1	8/12/2022 1:19:31 PM	69457
Surr: DNOP	113	21-129		%Rec	1	8/12/2022 1:19:31 PM	69457
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	1400	160		mg/Kg	50	8/13/2022 12:02:00 PM	A90227
Surr: BFB	198	37.7-212		%Rec	50	8/13/2022 12:02:00 PM	A90227
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	2.6	0.080		mg/Kg	5	8/12/2022 11:01:00 AM	B90227
Toluene	43	1.6		mg/Kg	50	8/13/2022 12:02:00 PM	B90227
Ethylbenzene	11	0.16		mg/Kg	5	8/12/2022 11:01:00 AM	B90227
Xylenes, Total	86	3.2		mg/Kg	50	8/13/2022 12:02:00 PM	B90227
Surr: 4-Bromofluorobenzene	173	70-130	S	%Rec	5	8/12/2022 11:01:00 AM	B90227

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	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Page 1 of 20

Analytical Report

Lab Order 2208799

Date Reported: 8/17/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-2

Project: Jones A LS 7

Collection Date: 8/11/2022 12:05:00 PM

Lab ID: 2208799-002

Matrix: SOIL

Received Date: 8/12/2022 6:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	ND	60		mg/Kg	20	8/12/2022 11:39:47 AM	69461
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	1200	150		mg/Kg	10	8/13/2022 4:08:41 AM	69457
Motor Oil Range Organics (MRO)	2000	490		mg/Kg	10	8/13/2022 4:08:41 AM	69457
Surr: DNOP	0	21-129	S	%Rec	10	8/13/2022 4:08:41 AM	69457
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	840	16		mg/Kg	5	8/12/2022 11:21:00 AM	A90227
Surr: BFB	399	37.7-212	S	%Rec	5	8/12/2022 11:21:00 AM	A90227
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	0.83	0.078		mg/Kg	5	8/12/2022 11:21:00 AM	B90227
Toluene	15	0.16		mg/Kg	5	8/12/2022 11:21:00 AM	B90227
Ethylbenzene	4.8	0.16		mg/Kg	5	8/12/2022 11:21:00 AM	B90227
Xylenes, Total	47	3.1		mg/Kg	50	8/13/2022 12:22:00 PM	B90227
Surr: 4-Bromofluorobenzene	157	70-130	S	%Rec	5	8/12/2022 11:21:00 AM	B90227

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	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

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Analytical Report

Lab Order 2208799

Date Reported: 8/17/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-3

Project: Jones A LS 7

Collection Date: 8/11/2022 12:10:00 PM

Lab ID: 2208799-003

Matrix: SOIL

Received Date: 8/12/2022 6:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	ND	60		mg/Kg	20	8/12/2022 11:52:07 AM	69461
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	8/12/2022 5:54:39 PM	69457
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	8/12/2022 5:54:39 PM	69457
Surr: DNOP	116	21-129		%Rec	1	8/12/2022 5:54:39 PM	69457
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	ND	18		mg/Kg	5	8/12/2022 11:40:00 AM	A90227
Surr: BFB	130	37.7-212		%Rec	5	8/12/2022 11:40:00 AM	A90227
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	ND	0.090		mg/Kg	5	8/12/2022 11:40:00 AM	B90227
Toluene	ND	0.18		mg/Kg	5	8/12/2022 11:40:00 AM	B90227
Ethylbenzene	ND	0.18		mg/Kg	5	8/12/2022 11:40:00 AM	B90227
Xylenes, Total	ND	0.36		mg/Kg	5	8/12/2022 11:40:00 AM	B90227
Surr: 4-Bromofluorobenzene	93.5	70-130		%Rec	5	8/12/2022 11:40:00 AM	B90227

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	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

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Analytical Report

Lab Order 2208799

Date Reported: 8/17/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-4

Project: Jones A LS 7

Collection Date: 8/11/2022 12:15:00 PM

Lab ID: 2208799-004

Matrix: SOIL

Received Date: 8/12/2022 6:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	ND	60		mg/Kg	20	8/12/2022 12:04:28 PM	69461
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	850	150		mg/Kg	10	8/12/2022 6:43:47 PM	69457
Motor Oil Range Organics (MRO)	1900	490		mg/Kg	10	8/12/2022 6:43:47 PM	69457
Surr: DNOP	0	21-129	S	%Rec	10	8/12/2022 6:43:47 PM	69457
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	1100	160		mg/Kg	50	8/13/2022 12:42:00 PM	A90227
Surr: BFB	226	37.7-212	S	%Rec	50	8/13/2022 12:42:00 PM	A90227
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	0.92	0.081		mg/Kg	5	8/12/2022 12:00:00 PM	B90227
Toluene	20	1.6		mg/Kg	50	8/13/2022 12:42:00 PM	B90227
Ethylbenzene	8.9	0.16		mg/Kg	5	8/12/2022 12:00:00 PM	B90227
Xylenes, Total	76	3.2		mg/Kg	50	8/13/2022 12:42:00 PM	B90227
Surr: 4-Bromofluorobenzene	185	70-130	S	%Rec	5	8/12/2022 12:00:00 PM	B90227

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	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

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Analytical Report

Lab Order 2208799

Date Reported: 8/17/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-5

Project: Jones A LS 7

Collection Date: 8/11/2022 12:20:00 PM

Lab ID: 2208799-005

Matrix: SOIL

Received Date: 8/12/2022 6:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	ND	60		mg/Kg	20	8/12/2022 12:16:49 PM	69461
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	160	14		mg/Kg	1	8/12/2022 3:18:55 PM	69457
Motor Oil Range Organics (MRO)	330	48		mg/Kg	1	8/12/2022 3:18:55 PM	69457
Surr: DNOP	124	21-129		%Rec	1	8/12/2022 3:18:55 PM	69457
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	100	19		mg/Kg	5	8/12/2022 12:20:00 PM	A90227
Surr: BFB	164	37.7-212		%Rec	5	8/12/2022 12:20:00 PM	A90227
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	ND	0.095		mg/Kg	5	8/12/2022 12:20:00 PM	B90227
Toluene	0.28	0.19		mg/Kg	5	8/12/2022 12:20:00 PM	B90227
Ethylbenzene	0.55	0.19		mg/Kg	5	8/12/2022 12:20:00 PM	B90227
Xylenes, Total	4.5	0.38		mg/Kg	5	8/12/2022 12:20:00 PM	B90227
Surr: 4-Bromofluorobenzene	117	70-130		%Rec	5	8/12/2022 12:20:00 PM	B90227

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	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

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Analytical Report

Lab Order 2208799

Date Reported: 8/17/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-6

Project: Jones A LS 7

Collection Date: 8/11/2022 12:25:00 PM

Lab ID: 2208799-006

Matrix: SOIL

Received Date: 8/12/2022 6:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	ND	60		mg/Kg	20	8/12/2022 12:29:09 PM	69461
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	8/12/2022 4:30:28 PM	69457
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	8/12/2022 4:30:28 PM	69457
Surr: DNOP	115	21-129		%Rec	1	8/12/2022 4:30:28 PM	69457
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	ND	3.9		mg/Kg	1	8/12/2022 12:39:00 PM	A90227
Surr: BFB	92.7	37.7-212		%Rec	1	8/12/2022 12:39:00 PM	A90227
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	ND	0.020		mg/Kg	1	8/12/2022 12:39:00 PM	B90227
Toluene	ND	0.039		mg/Kg	1	8/12/2022 12:39:00 PM	B90227
Ethylbenzene	ND	0.039		mg/Kg	1	8/12/2022 12:39:00 PM	B90227
Xylenes, Total	ND	0.079		mg/Kg	1	8/12/2022 12:39:00 PM	B90227
Surr: 4-Bromofluorobenzene	76.2	70-130		%Rec	1	8/12/2022 12:39:00 PM	B90227

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	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

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Analytical Report

Lab Order 2208799

Date Reported: 8/17/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-7

Project: Jones A LS 7

Collection Date: 8/11/2022 12:30:00 PM

Lab ID: 2208799-007

Matrix: SOIL

Received Date: 8/12/2022 6:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	ND	60		mg/Kg	20	8/12/2022 12:41:29 PM	69461
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	89	14		mg/Kg	1	8/12/2022 5:03:16 PM	69457
Motor Oil Range Organics (MRO)	240	47		mg/Kg	1	8/12/2022 5:03:16 PM	69457
Surr: DNOP	117	21-129		%Rec	1	8/12/2022 5:03:16 PM	69457
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	44	3.6		mg/Kg	1	8/12/2022 12:59:00 PM	A90227
Surr: BFB	185	37.7-212		%Rec	1	8/12/2022 12:59:00 PM	A90227
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	ND	0.018		mg/Kg	1	8/12/2022 12:59:00 PM	B90227
Toluene	0.11	0.036		mg/Kg	1	8/12/2022 12:59:00 PM	B90227
Ethylbenzene	0.15	0.036		mg/Kg	1	8/12/2022 12:59:00 PM	B90227
Xylenes, Total	1.1	0.071		mg/Kg	1	8/12/2022 12:59:00 PM	B90227
Surr: 4-Bromofluorobenzene	96.8	70-130		%Rec	1	8/12/2022 12:59:00 PM	B90227

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	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

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Analytical Report

Lab Order 2208799

Date Reported: 8/17/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-8

Project: Jones A LS 7

Collection Date: 8/11/2022 12:35:00 PM

Lab ID: 2208799-008

Matrix: SOIL

Received Date: 8/12/2022 6:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	ND	60		mg/Kg	20	8/12/2022 12:53:50 PM	69461
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	260	15		mg/Kg	1	8/12/2022 2:52:22 PM	69457
Motor Oil Range Organics (MRO)	270	48		mg/Kg	1	8/12/2022 2:52:22 PM	69457
Surr: DNOP	104	21-129		%Rec	1	8/12/2022 2:52:22 PM	69457
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	660	16		mg/Kg	5	8/12/2022 1:19:00 PM	A90227
Surr: BFB	309	37.7-212	S	%Rec	5	8/12/2022 1:19:00 PM	A90227
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	0.31	0.080		mg/Kg	5	8/12/2022 1:19:00 PM	B90227
Toluene	9.0	0.16		mg/Kg	5	8/12/2022 1:19:00 PM	B90227
Ethylbenzene	3.8	0.16		mg/Kg	5	8/12/2022 1:19:00 PM	B90227
Xylenes, Total	36	0.32		mg/Kg	5	8/12/2022 1:19:00 PM	B90227
Surr: 4-Bromofluorobenzene	129	70-130		%Rec	5	8/12/2022 1:19:00 PM	B90227

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	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

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Analytical Report

Lab Order 2208799

Date Reported: 8/17/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-9

Project: Jones A LS 7

Collection Date: 8/11/2022 12:40:00 PM

Lab ID: 2208799-009

Matrix: SOIL

Received Date: 8/12/2022 6:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	ND	60		mg/Kg	20	8/12/2022 1:30:52 PM	69461
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	210	14		mg/Kg	1	8/12/2022 3:41:01 PM	69457
Motor Oil Range Organics (MRO)	150	48		mg/Kg	1	8/12/2022 3:41:01 PM	69457
Surr: DNOP	115	21-129		%Rec	1	8/12/2022 3:41:01 PM	69457
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	90	3.1		mg/Kg	1	8/12/2022 1:39:00 PM	A90227
Surr: BFB	231	37.7-212	S	%Rec	1	8/12/2022 1:39:00 PM	A90227
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	ND	0.015		mg/Kg	1	8/12/2022 1:39:00 PM	B90227
Toluene	0.099	0.031		mg/Kg	1	8/12/2022 1:39:00 PM	B90227
Ethylbenzene	0.14	0.031		mg/Kg	1	8/12/2022 1:39:00 PM	B90227
Xylenes, Total	4.9	0.061		mg/Kg	1	8/12/2022 1:39:00 PM	B90227
Surr: 4-Bromofluorobenzene	103	70-130		%Rec	1	8/12/2022 1:39:00 PM	B90227

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	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

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Analytical Report

Lab Order 2208799

Date Reported: 8/17/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: SP-1

Project: Jones A LS 7

Collection Date: 8/11/2022 12:45:00 PM

Lab ID: 2208799-010

Matrix: SOIL

Received Date: 8/12/2022 6:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	ND	60		mg/Kg	20	8/12/2022 1:43:13 PM	69461
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	8/12/2022 4:29:36 PM	69457
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	8/12/2022 4:29:36 PM	69457
Surr: DNOP	108	21-129		%Rec	1	8/12/2022 4:29:36 PM	69457
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	ND	3.7		mg/Kg	1	8/12/2022 1:59:00 PM	A90227
Surr: BFB	101	37.7-212		%Rec	1	8/12/2022 1:59:00 PM	A90227
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	ND	0.018		mg/Kg	1	8/12/2022 1:59:00 PM	B90227
Toluene	ND	0.037		mg/Kg	1	8/12/2022 1:59:00 PM	B90227
Ethylbenzene	ND	0.037		mg/Kg	1	8/12/2022 1:59:00 PM	B90227
Xylenes, Total	ND	0.074		mg/Kg	1	8/12/2022 1:59:00 PM	B90227
Surr: 4-Bromofluorobenzene	79.5	70-130		%Rec	1	8/12/2022 1:59:00 PM	B90227

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	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

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Analytical Report

Lab Order 2208799

Date Reported: 8/17/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: SP-2

Project: Jones A LS 7

Collection Date: 8/11/2022 12:50:00 PM

Lab ID: 2208799-011

Matrix: SOIL

Received Date: 8/12/2022 6:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	ND	60		mg/Kg	20	8/12/2022 1:55:33 PM	69461
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	8/12/2022 1:31:50 PM	69457
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	8/12/2022 1:31:50 PM	69457
Surr: DNOP	97.5	21-129		%Rec	1	8/12/2022 1:31:50 PM	69457
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	3.2		mg/Kg	1	8/12/2022 12:10:35 PM	G90220
Surr: BFB	109	37.7-212		%Rec	1	8/12/2022 12:10:35 PM	G90220
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.016		mg/Kg	1	8/12/2022 12:10:35 PM	B90220
Toluene	ND	0.032		mg/Kg	1	8/12/2022 12:10:35 PM	B90220
Ethylbenzene	ND	0.032		mg/Kg	1	8/12/2022 12:10:35 PM	B90220
Xylenes, Total	ND	0.064		mg/Kg	1	8/12/2022 12:10:35 PM	B90220
Surr: 4-Bromofluorobenzene	102	70-130		%Rec	1	8/12/2022 12:10:35 PM	B90220

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	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

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Analytical Report

Lab Order 2208799

Date Reported: 8/17/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: SP-3

Project: Jones A LS 7

Collection Date: 8/11/2022 12:55:00 PM

Lab ID: 2208799-012

Matrix: SOIL

Received Date: 8/12/2022 6:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	ND	60		mg/Kg	20	8/12/2022 2:07:54 PM	69461
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	43	15		mg/Kg	1	8/12/2022 1:45:35 PM	69457
Motor Oil Range Organics (MRO)	220	49		mg/Kg	1	8/12/2022 1:45:35 PM	69457
Surr: DNOP	101	21-129		%Rec	1	8/12/2022 1:45:35 PM	69457
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	9.8	3.6		mg/Kg	1	8/12/2022 12:34:14 PM	G90220
Surr: BFB	187	37.7-212		%Rec	1	8/12/2022 12:34:14 PM	G90220
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.018		mg/Kg	1	8/12/2022 12:34:14 PM	B90220
Toluene	ND	0.036		mg/Kg	1	8/12/2022 12:34:14 PM	B90220
Ethylbenzene	0.043	0.036		mg/Kg	1	8/12/2022 12:34:14 PM	B90220
Xylenes, Total	0.47	0.072		mg/Kg	1	8/12/2022 12:34:14 PM	B90220
Surr: 4-Bromofluorobenzene	107	70-130		%Rec	1	8/12/2022 12:34:14 PM	B90220

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	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

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Analytical Report

Lab Order 2208799

Date Reported: 8/17/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: SP-4

Project: Jones A LS 7

Collection Date: 8/11/2022 1:00:00 PM

Lab ID: 2208799-013

Matrix: SOIL

Received Date: 8/12/2022 6:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	ND	60		mg/Kg	20	8/12/2022 2:20:15 PM	69461
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	390	150		mg/Kg	10	8/13/2022 4:33:21 AM	69457
Motor Oil Range Organics (MRO)	1400	490		mg/Kg	10	8/13/2022 4:33:21 AM	69457
Surr: DNOP	0	21-129	S	%Rec	10	8/13/2022 4:33:21 AM	69457
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	340	17		mg/Kg	5	8/12/2022 12:58:00 PM	G90220
Surr: BFB	538	37.7-212	S	%Rec	5	8/12/2022 12:58:00 PM	G90220
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.083		mg/Kg	5	8/12/2022 12:58:00 PM	B90220
Toluene	2.4	0.17		mg/Kg	5	8/12/2022 12:58:00 PM	B90220
Ethylbenzene	1.3	0.17		mg/Kg	5	8/12/2022 12:58:00 PM	B90220
Xylenes, Total	22	0.33		mg/Kg	5	8/12/2022 12:58:00 PM	B90220
Surr: 4-Bromofluorobenzene	121	70-130		%Rec	5	8/12/2022 12:58:00 PM	B90220

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	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

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QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2208799

17-Aug-22

Client: ENSOLUM

Project: Jones A LS 7

Sample ID: MB-69461	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 69461	RunNo: 90236								
Prep Date: 8/12/2022	Analysis Date: 8/12/2022	SeqNo: 3219286		Units: mg/Kg						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-69461	SampType: lcs	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 69461	RunNo: 90236								
Prep Date: 8/12/2022	Analysis Date: 8/12/2022	SeqNo: 3219287		Units: mg/Kg						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	15	1.5	15.00	0	97.3	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 Estimated value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

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QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2208799

17-Aug-22

Client: ENSOLUM
Project: Jones A LS 7

Sample ID: MB-69457	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 69457	RunNo: 90218								
Prep Date: 8/12/2022	Analysis Date: 8/12/2022	SeqNo: 3218061 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	15								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	9.7		10.00		97.3	21	129			

Sample ID: LCS-69457	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 69457	RunNo: 90218								
Prep Date: 8/12/2022	Analysis Date: 8/12/2022	SeqNo: 3218062 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	48	15	50.00	0	96.7	64.4	127			
Surr: DNOP	4.7		5.000		94.3	21	129			

Sample ID: 2208799-001AMS	SampType: MS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: S-1	Batch ID: 69457	RunNo: 90218								
Prep Date: 8/12/2022	Analysis Date: 8/12/2022	SeqNo: 3218453 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	350	15	49.46	303.8	94.0	36.1	154			
Surr: DNOP	6.0		4.946		120	21	129			

Sample ID: 2208799-001AMSD	SampType: MSD	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: S-1	Batch ID: 69457	RunNo: 90218								
Prep Date: 8/12/2022	Analysis Date: 8/12/2022	SeqNo: 3218454 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	300	13	43.90	303.8	-12.9	36.1	154	16.1	33.9	S
Surr: DNOP	5.3		4.390		121	21	129	0	0	

Sample ID: LCS-69454	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 69454	RunNo: 90247								
Prep Date: 8/11/2022	Analysis Date: 8/13/2022	SeqNo: 3218544 Units: %Rec								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	3.9		5.000		78.7	21	129			

Sample ID: MB-69454	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 69454	RunNo: 90247								
Prep Date: 8/11/2022	Analysis Date: 8/13/2022	SeqNo: 3218546 Units: %Rec								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quantitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2208799

17-Aug-22

Client: ENSOLUM
Project: Jones A LS 7

Sample ID: MB-69454	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 69454	RunNo: 90247								
Prep Date: 8/11/2022	Analysis Date: 8/13/2022	SeqNo: 3218546 Units: %Rec								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	9.2		10.00		92.3	21	129			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quantitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

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QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2208799

17-Aug-22

Client: ENSOLUM
Project: Jones A LS 7

Sample ID: 2208799-003ams	SampType: MS			TestCode: EPA Method 8015D: Gasoline Range						
Client ID: S-3	Batch ID: A90227			RunNo: 90227						
Prep Date:	Analysis Date: 8/12/2022			SeqNo: 3218826		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	87	18	90.25	13.47	81.9	70	130			
Surr: BFB	7100		3610		196	37.7	212			

Sample ID: 2208799-003amsd	SampType: MSD			TestCode: EPA Method 8015D: Gasoline Range						
Client ID: S-3	Batch ID: A90227			RunNo: 90227						
Prep Date:	Analysis Date: 8/12/2022			SeqNo: 3218827		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	84	18	90.25	13.47	77.7	70	130	4.44	20	
Surr: BFB	6800		3610		189	37.7	212	0	0	

Sample ID: lcs-69398	SampType: LCS			TestCode: EPA Method 8015D: Gasoline Range						
Client ID: LCSS	Batch ID: 69398			RunNo: 90227						
Prep Date: 8/10/2022	Analysis Date: 8/13/2022			SeqNo: 3218852		Units: %Rec				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	2000		1000		197	37.7	212			

Sample ID: mb-69398	SampType: MBLK			TestCode: EPA Method 8015D: Gasoline Range						
Client ID: PBS	Batch ID: 69398			RunNo: 90227						
Prep Date: 8/10/2022	Analysis Date: 8/13/2022			SeqNo: 3218853		Units: %Rec				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	890		1000		89.3	37.7	212			

Sample ID: mb	SampType: MBLK			TestCode: EPA Method 8015D: Gasoline Range						
Client ID: PBS	Batch ID: G90220			RunNo: 90220						
Prep Date:	Analysis Date: 8/12/2022			SeqNo: 3218937		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1100		1000		112	37.7	212			

Sample ID: 2.5ug gro lcs	SampType: LCS			TestCode: EPA Method 8015D: Gasoline Range						
Client ID: LCSS	Batch ID: G90220			RunNo: 90220						
Prep Date:	Analysis Date: 8/12/2022			SeqNo: 3218938		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	102	72.3	137			
Surr: BFB	2200		1000		224	37.7	212			S

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quantitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2208799

17-Aug-22

Client: ENSOLUM
Project: Jones A LS 7

Sample ID: 2.5ug gro lcs	SampType: LCS		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: LCSS	Batch ID: A90227		RunNo: 90227							
Prep Date:	Analysis Date: 8/12/2022		SeqNo: 3220278		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	24	5.0	25.00	0	97.7	72.3	137			
Surr: BFB	2100		1000		207	37.7	212			

Sample ID: mb	SampType: MBLK		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: PBS	Batch ID: A90227		RunNo: 90227							
Prep Date:	Analysis Date: 8/12/2022		SeqNo: 3220279		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	910		1000		91.3	37.7	212			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quantitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2208799

17-Aug-22

Client: ENSOLUM
Project: Jones A LS 7

Sample ID: 2208799-005ams	SampType: MS			TestCode: EPA Method 8021B: Volatiles						
Client ID: S-5	Batch ID: B90227			RunNo: 90227						
Prep Date:	Analysis Date: 8/12/2022			SeqNo: 3218879		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	3.1	0.095	3.794	0	82.2	68.8	120			
Toluene	3.4	0.19	3.794	0.2838	82.5	73.6	124			
Ethylbenzene	3.7	0.19	3.794	0.5508	83.5	72.7	129			
Xylenes, Total	14	0.38	11.38	4.461	81.9	75.7	126			
Surr: 4-Bromofluorobenzene	4.3		3.794		113	70	130			

Sample ID: 2208799-005amsd	SampType: MSD			TestCode: EPA Method 8021B: Volatiles						
Client ID: S-5	Batch ID: B90227			RunNo: 90227						
Prep Date:	Analysis Date: 8/12/2022			SeqNo: 3218880		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	2.9	0.095	3.794	0	77.7	68.8	120	5.62	20	
Toluene	3.2	0.19	3.794	0.2838	77.5	73.6	124	5.71	20	
Ethylbenzene	3.5	0.19	3.794	0.5508	78.4	72.7	129	5.34	20	
Xylenes, Total	13	0.38	11.38	4.461	76.4	75.7	126	4.68	20	
Surr: 4-Bromofluorobenzene	4.1		3.794		109	70	130	0	0	

Sample ID: mb-69398	SampType: MBLK			TestCode: EPA Method 8021B: Volatiles						
Client ID: PBS	Batch ID: 69398			RunNo: 90227						
Prep Date: 8/10/2022	Analysis Date: 8/13/2022			SeqNo: 3218906		Units: %Rec				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	0.81		1.000		80.6	70	130			

Sample ID: mb	SampType: MBLK			TestCode: EPA Method 8021B: Volatiles						
Client ID: PBS	Batch ID: B90220			RunNo: 90220						
Prep Date:	Analysis Date: 8/12/2022			SeqNo: 3218998		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		102	70	130			

Sample ID: 100ng btex lcs	SampType: LCS			TestCode: EPA Method 8021B: Volatiles						
Client ID: LCSS	Batch ID: B90220			RunNo: 90220						
Prep Date:	Analysis Date: 8/12/2022			SeqNo: 3218999		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quantitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2208799

17-Aug-22

Client: ENSOLUM
Project: Jones A LS 7

Sample ID: 100ng btex lcs	SampType: LCS			TestCode: EPA Method 8021B: Volatiles						
Client ID: LCSS	Batch ID: B90220			RunNo: 90220						
Prep Date:	Analysis Date: 8/12/2022			SeqNo: 3218999		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.97	0.025	1.000	0	97.4	80	120			
Toluene	1.0	0.050	1.000	0	99.5	80	120			
Ethylbenzene	1.0	0.050	1.000	0	99.6	80	120			
Xylenes, Total	3.0	0.10	3.000	0	98.7	80	120			
Surr: 4-Bromofluorobenzene	1.0		1.000		104	70	130			

Sample ID: 100ng btex lcs	SampType: LCS			TestCode: EPA Method 8021B: Volatiles						
Client ID: LCSS	Batch ID: B90227			RunNo: 90227						
Prep Date:	Analysis Date: 8/12/2022			SeqNo: 3220280		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.82	0.025	1.000	0	82.3	80	120			
Toluene	0.84	0.050	1.000	0	84.0	80	120			
Ethylbenzene	0.85	0.050	1.000	0	84.8	80	120			
Xylenes, Total	2.5	0.10	3.000	0	84.8	80	120			
Surr: 4-Bromofluorobenzene	0.86		1.000		86.3	70	130			

Sample ID: mb	SampType: MBLK			TestCode: EPA Method 8021B: Volatiles						
Client ID: PBS	Batch ID: B90227			RunNo: 90227						
Prep Date:	Analysis Date: 8/12/2022			SeqNo: 3220281		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	0.85		1.000		84.6	70	130			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quantitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		



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

Sample Log-In Check List

Client Name: ENSOLUM

Work Order Number: 2208799

RcptNo: 1

Received By: Juan Rojas

8/12/2022 6:25:00 AM

Juan Rojas

Completed By: Juan Rojas

8/12/2022 6:31:44 AM

Juan Rojas

Reviewed By:

Jul 8/12/22

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 $>0^{\circ}\text{C}$ 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?
(Note discrepancies on chain of custody) Yes ☒ No ☐
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?
(If no, notify customer for authorization.) Yes ☒ No ☐

of preserved
bottles checked
for pH:

(<2 or >12 unless noted)

Adjusted?

Checked by: *Jul 8/12/22*

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	0.4	Good				



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

August 22, 2022

Kyle Summers

ENSOLUM

606 S. Rio Grande Suite A

Aztec, NM 87410

TEL: (903) 821-5603

FAX

RE: Jones A LS 7

OrderNo.: 2208A03

Dear Kyle Summers:

Hall Environmental Analysis Laboratory received 4 sample(s) on 8/17/2022 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 horizontal line.

Andy Freeman

Laboratory Manager

4901 Hawkins NE

Albuquerque, NM 87109

Analytical Report

Lab Order 2208A03

Date Reported: 8/22/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-10

Project: Jones A LS 7

Collection Date: 8/16/2022 12:00:00 PM

Lab ID: 2208A03-001

Matrix: SOIL

Received Date: 8/17/2022 6:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: NAI
Chloride	ND	61		mg/Kg	20	8/17/2022 10:34:03 AM	69557
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	8/17/2022 11:15:12 AM	69549
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	8/17/2022 11:15:12 AM	69549
Surr: DNOP	105	21-129		%Rec	1	8/17/2022 11:15:12 AM	69549
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	ND	3.4		mg/Kg	1	8/17/2022 12:09:00 PM	A90339
Surr: BFB	103	37.7-212		%Rec	1	8/17/2022 12:09:00 PM	A90339
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	ND	0.017		mg/Kg	1	8/17/2022 12:09:00 PM	B90339
Toluene	ND	0.034		mg/Kg	1	8/17/2022 12:09:00 PM	B90339
Ethylbenzene	ND	0.034		mg/Kg	1	8/17/2022 12:09:00 PM	B90339
Xylenes, Total	ND	0.069		mg/Kg	1	8/17/2022 12:09:00 PM	B90339
Surr: 4-Bromofluorobenzene	99.7	70-130		%Rec	1	8/17/2022 12:09:00 PM	B90339

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	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Page 1 of 7

Analytical Report

Lab Order 2208A03

Date Reported: 8/22/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-11

Project: Jones A LS 7

Collection Date: 8/16/2022 12:05:00 PM

Lab ID: 2208A03-002

Matrix: SOIL

Received Date: 8/17/2022 6:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: NAI
Chloride	ND	60		mg/Kg	20	8/17/2022 10:46:27 AM	69557
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	22	15		mg/Kg	1	8/17/2022 11:38:59 AM	69549
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	8/17/2022 11:38:59 AM	69549
Surr: DNOP	103	21-129		%Rec	1	8/17/2022 11:38:59 AM	69549
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	ND	3.5		mg/Kg	1	8/17/2022 12:28:00 PM	A90339
Surr: BFB	104	37.7-212		%Rec	1	8/17/2022 12:28:00 PM	A90339
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	ND	0.018		mg/Kg	1	8/17/2022 12:28:00 PM	B90339
Toluene	ND	0.035		mg/Kg	1	8/17/2022 12:28:00 PM	B90339
Ethylbenzene	ND	0.035		mg/Kg	1	8/17/2022 12:28:00 PM	B90339
Xylenes, Total	ND	0.071		mg/Kg	1	8/17/2022 12:28:00 PM	B90339
Surr: 4-Bromofluorobenzene	102	70-130		%Rec	1	8/17/2022 12:28:00 PM	B90339

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	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

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Analytical Report

Lab Order 2208A03

Date Reported: 8/22/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-12

Project: Jones A LS 7

Collection Date: 8/16/2022 12:10:00 PM

Lab ID: 2208A03-003

Matrix: SOIL

Received Date: 8/17/2022 6:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: NAI
Chloride	ND	61		mg/Kg	20	8/17/2022 11:23:41 AM	69557
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	8/17/2022 12:02:51 PM	69549
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	8/17/2022 12:02:51 PM	69549
Surr: DNOP	99.6	21-129		%Rec	1	8/17/2022 12:02:51 PM	69549
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	ND	5.1		mg/Kg	1	8/17/2022 12:48:00 PM	A90339
Surr: BFB	105	37.7-212		%Rec	1	8/17/2022 12:48:00 PM	A90339
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	ND	0.025		mg/Kg	1	8/17/2022 12:48:00 PM	B90339
Toluene	ND	0.051		mg/Kg	1	8/17/2022 12:48:00 PM	B90339
Ethylbenzene	ND	0.051		mg/Kg	1	8/17/2022 12:48:00 PM	B90339
Xylenes, Total	ND	0.10		mg/Kg	1	8/17/2022 12:48:00 PM	B90339
Surr: 4-Bromofluorobenzene	101	70-130		%Rec	1	8/17/2022 12:48:00 PM	B90339

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	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

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Analytical Report

Lab Order 2208A03

Date Reported: 8/22/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-13

Project: Jones A LS 7

Collection Date: 8/16/2022 12:15:00 PM

Lab ID: 2208A03-004

Matrix: SOIL

Received Date: 8/17/2022 6:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: NAI
Chloride	ND	60		mg/Kg	20	8/17/2022 11:36:06 AM	69557
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	8/17/2022 12:26:36 PM	69549
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	8/17/2022 12:26:36 PM	69549
Surr: DNOP	97.6	21-129		%Rec	1	8/17/2022 12:26:36 PM	69549
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	ND	3.8		mg/Kg	1	8/17/2022 1:08:00 PM	A90339
Surr: BFB	106	37.7-212		%Rec	1	8/17/2022 1:08:00 PM	A90339
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	ND	0.019		mg/Kg	1	8/17/2022 1:08:00 PM	B90339
Toluene	ND	0.038		mg/Kg	1	8/17/2022 1:08:00 PM	B90339
Ethylbenzene	ND	0.038		mg/Kg	1	8/17/2022 1:08:00 PM	B90339
Xylenes, Total	ND	0.075		mg/Kg	1	8/17/2022 1:08:00 PM	B90339
Surr: 4-Bromofluorobenzene	103	70-130		%Rec	1	8/17/2022 1:08:00 PM	B90339

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	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

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QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2208A03

22-Aug-22

Client: ENSOLUM
Project: Jones A LS 7

Sample ID: MB-69557		SampType: mblk		TestCode: EPA Method 300.0: Anions						
Client ID: PBS		Batch ID: 69557		RunNo: 90334						
Prep Date: 8/17/2022		Analysis Date: 8/17/2022		SeqNo: 3224202			Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-69557		SampType: lcs		TestCode: EPA Method 300.0: Anions						
Client ID: LCSS		Batch ID: 69557		RunNo: 90334						
Prep Date: 8/17/2022		Analysis Date: 8/17/2022		SeqNo: 3224203			Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	95.4	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

Estimated value
- J

Analyte detected below quantitation limits
- P

Sample pH Not In Range
- RL

Reporting Limit

QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2208A03

22-Aug-22

Client: ENSOLUM
Project: Jones A LS 7

Sample ID: 2.5ug gro lcs	SampType: LCS		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: LCSS	Batch ID: A90339		RunNo: 90339							
Prep Date:	Analysis Date: 8/17/2022		SeqNo: 3223655		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	104	72.3	137			
Surr: BFB	2100		1000		212	37.7	212			S

Sample ID: mb	SampType: MBLK		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: PBS	Batch ID: A90339		RunNo: 90339							
Prep Date:	Analysis Date: 8/17/2022		SeqNo: 3223656		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	990		1000		99.1	37.7	212			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quantitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2208A03

22-Aug-22

Client: ENSOLUM
Project: Jones A LS 7

Sample ID: 100ng btex lcs	SampType: LCS			TestCode: EPA Method 8021B: Volatiles						
Client ID: LCSS	Batch ID: B90339			RunNo: 90339						
Prep Date:	Analysis Date: 8/17/2022			SeqNo: 3223685		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.86	0.025	1.000	0	85.8	80	120			
Toluene	0.88	0.050	1.000	0	87.6	80	120			
Ethylbenzene	0.88	0.050	1.000	0	88.5	80	120			
Xylenes, Total	2.6	0.10	3.000	0	88.0	80	120			
Surr: 4-Bromofluorobenzene	1.0		1.000		99.8	70	130			

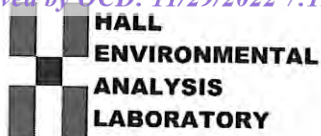
Sample ID: mb	SampType: MBLK			TestCode: EPA Method 8021B: Volatiles						
Client ID: PBS	Batch ID: B90339			RunNo: 90339						
Prep Date:	Analysis Date: 8/17/2022			SeqNo: 3223686		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.0		1.000		99.7	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 Estimated value
J Analyte detected below quantitation limits
P Sample pH Not In Range
RL Reporting Limit

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

Sample Log-In Check List

Client Name: ENSOLUM

Work Order Number: 2208A03

RcptNo: 1

Received By: Juan Rojas

8/17/2022 6:30:00 AM

Juan Rojas

Completed By: Juan Rojas

8/17/2022 6:50:22 AM

Juan Rojas

Reviewed By:

JO

8/17/22

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 $>0^{\circ}\text{C}$ 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?
(Note discrepancies on chain of custody) Yes ☒ No ☐
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?
(If no, notify customer for authorization.) Yes ☒ No ☐

of preserved
bottles checked
for pH:

(<2 or >12 unless noted)

Adjusted?

Checked by: *JR 8/17/22*

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	1.6	Good				



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

August 23, 2022

Kyle Summers

ENSOLUM

606 S. Rio Grande Suite A

Aztec, NM 87410

TEL: (903) 821-5603

FAX:

RE: Jones A LS 7

OrderNo.: 2208B90

Dear Kyle Summers:

Hall Environmental Analysis Laboratory received 2 sample(s) on 8/19/2022 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 horizontal line.

Andy Freeman

Laboratory Manager

4901 Hawkins NE

Albuquerque, NM 87109

Analytical Report

Lab Order 2208B90

Date Reported: 8/23/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-14

Project: Jones A LS 7

Collection Date: 8/18/2022 11:30:00 AM

Lab ID: 2208B90-001

Matrix: SOIL

Received Date: 8/19/2022 6:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	ND	60		mg/Kg	20	8/19/2022 11:22:12 AM	69629
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	8/19/2022 10:35:58 AM	69628
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	8/19/2022 10:35:58 AM	69628
Surr: DNOP	83.5	21-129		%Rec	1	8/19/2022 10:35:58 AM	69628
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	19		mg/Kg	5	8/19/2022 10:15:54 AM	B90417
Surr: BFB	106	37.7-212		%Rec	5	8/19/2022 10:15:54 AM	B90417
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.097		mg/Kg	5	8/19/2022 10:15:54 AM	D90417
Toluene	ND	0.19		mg/Kg	5	8/19/2022 10:15:54 AM	D90417
Ethylbenzene	ND	0.19		mg/Kg	5	8/19/2022 10:15:54 AM	D90417
Xylenes, Total	ND	0.39		mg/Kg	5	8/19/2022 10:15:54 AM	D90417
Surr: 4-Bromofluorobenzene	96.7	70-130		%Rec	5	8/19/2022 10:15:54 AM	D90417

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	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

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Analytical Report

Lab Order 2208B90

Date Reported: 8/23/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-15

Project: Jones A LS 7

Collection Date: 8/18/2022 11:35:00 AM

Lab ID: 2208B90-002

Matrix: SOIL

Received Date: 8/19/2022 6:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	ND	59		mg/Kg	20	8/19/2022 11:34:37 AM	69629
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	8/19/2022 10:50:10 AM	69628
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	8/19/2022 10:50:10 AM	69628
Surr: DNOP	87.2	21-129		%Rec	1	8/19/2022 10:50:10 AM	69628
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	15		mg/Kg	5	8/19/2022 10:39:26 AM	B90417
Surr: BFB	110	37.7-212		%Rec	5	8/19/2022 10:39:26 AM	B90417
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.077		mg/Kg	5	8/19/2022 10:39:26 AM	D90417
Toluene	ND	0.15		mg/Kg	5	8/19/2022 10:39:26 AM	D90417
Ethylbenzene	ND	0.15		mg/Kg	5	8/19/2022 10:39:26 AM	D90417
Xylenes, Total	ND	0.31		mg/Kg	5	8/19/2022 10:39:26 AM	D90417
Surr: 4-Bromofluorobenzene	95.1	70-130		%Rec	5	8/19/2022 10:39:26 AM	D90417

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	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

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QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2208B90

23-Aug-22

Client: ENSOLUM
Project: Jones A LS 7

Sample ID: MB-69629	SampType: mbk	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 69629	RunNo: 90418								
Prep Date: 8/19/2022	Analysis Date: 8/19/2022	SeqNo: 3228072	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-69629	SampType: lcs	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 69629	RunNo: 90418								
Prep Date: 8/19/2022	Analysis Date: 8/19/2022	SeqNo: 3228073	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			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quantitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

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QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2208B90

23-Aug-22

Client: ENSOLUM
Project: Jones A LS 7

Sample ID: MB-69628	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 69628	RunNo: 90423								
Prep Date: 8/19/2022	Analysis Date: 8/19/2022	SeqNo: 3226587 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	15								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	7.7		10.00		76.7	21	129			

Sample ID: LCS-69628	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 69628	RunNo: 90423								
Prep Date: 8/19/2022	Analysis Date: 8/19/2022	SeqNo: 3226588 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	46	15	50.00	0	92.2	64.4	127			
Surr: DNOP	3.8		5.000		76.1	21	129			

Sample ID: 2208B90-001AMS	SampType: MS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: S-14	Batch ID: 69628	RunNo: 90423								
Prep Date: 8/19/2022	Analysis Date: 8/19/2022	SeqNo: 3226594 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	47	15	49.55	0	95.3	36.1	154			
Surr: DNOP	3.8		4.955		76.1	21	129			

Sample ID: 2208B90-001AMSD	SampType: MSD	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: S-14	Batch ID: 69628	RunNo: 90423								
Prep Date: 8/19/2022	Analysis Date: 8/19/2022	SeqNo: 3226595 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	44	14	47.21	0	92.2	36.1	154	8.14	33.9	
Surr: DNOP	3.4		4.721		73.1	21	129	0	0	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quantitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Page 4 of 6

QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2208B90

23-Aug-22

Client: ENSOLUM
Project: Jones A LS 7

Sample ID: mb	SampType: MBLK		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: PBS	Batch ID: B90417		RunNo: 90417							
Prep Date:	Analysis Date: 8/19/2022		SeqNo: 3227673		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1100		1000		113	37.7	212			

Sample ID: 2.5ug gro lcs	SampType: LCS		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: LCSS	Batch ID: B90417		RunNo: 90417							
Prep Date:	Analysis Date: 8/19/2022		SeqNo: 3227674		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	72.3	137			
Surr: BFB	2100		1000		207	37.7	212			

Sample ID: 2208b90-001ams	SampType: MS		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: S-14	Batch ID: B90417		RunNo: 90417							
Prep Date:	Analysis Date: 8/19/2022		SeqNo: 3227680		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	100	19	96.68	0	106	70	130			
Surr: BFB	8000		3867		207	37.7	212			

Sample ID: 2208b90-001amsd	SampType: MSD		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: S-14	Batch ID: B90417		RunNo: 90417							
Prep Date:	Analysis Date: 8/19/2022		SeqNo: 3227681		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	100	19	96.68	0	107	70	130	0.677	20	
Surr: BFB	8300		3867		213	37.7	212	0	0	S

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quantitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2208B90

23-Aug-22

Client: ENSOLUM
Project: Jones A LS 7

Sample ID: mb	SampType: MBLK		TestCode: EPA Method 8021B: Volatiles							
Client ID: PBS	Batch ID: D90417		RunNo: 90417							
Prep Date:	Analysis Date: 8/19/2022		SeqNo: 3227719		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	0.95		1.000		94.8	70	130			

Sample ID: 100ng btex lcs	SampType: LCS		TestCode: EPA Method 8021B: Volatiles							
Client ID: LCSS	Batch ID: D90417		RunNo: 90417							
Prep Date:	Analysis Date: 8/19/2022		SeqNo: 3227720		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.97	0.025	1.000	0	96.8	80	120			
Toluene	1.0	0.050	1.000	0	99.6	80	120			
Ethylbenzene	1.0	0.050	1.000	0	99.5	80	120			
Xylenes, Total	3.0	0.10	3.000	0	98.7	80	120			
Surr: 4-Bromofluorobenzene	0.97		1.000		96.8	70	130			

Sample ID: 2208b90-002ams	SampType: MS		TestCode: EPA Method 8021B: Volatiles							
Client ID: S-15	Batch ID: D90417		RunNo: 90417							
Prep Date:	Analysis Date: 8/19/2022		SeqNo: 3227726		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	2.9	0.077	3.073	0.04210	93.7	68.8	120			
Toluene	3.0	0.15	3.073	0.06116	97.0	73.6	124			
Ethylbenzene	3.0	0.15	3.073	0.04057	96.6	72.7	129			
Xylenes, Total	9.1	0.31	9.219	0.1607	97.4	75.7	126			
Surr: 4-Bromofluorobenzene	3.1		3.073		99.9	70	130			

Sample ID: 2208b90-002amsd	SampType: MSD		TestCode: EPA Method 8021B: Volatiles							
Client ID: S-15	Batch ID: D90417		RunNo: 90417							
Prep Date:	Analysis Date: 8/19/2022		SeqNo: 3227727		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	2.9	0.077	3.073	0.04210	94.2	68.8	120	0.535	20	
Toluene	3.1	0.15	3.073	0.06116	97.7	73.6	124	0.685	20	
Ethylbenzene	3.0	0.15	3.073	0.04057	97.5	72.7	129	0.884	20	
Xylenes, Total	9.1	0.31	9.219	0.1607	97.1	75.7	126	0.279	20	
Surr: 4-Bromofluorobenzene	3.1		3.073		101	70	130	0	0	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quantitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		



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

Sample Log-In Check List

Client Name: ENSOLUM

Work Order Number: 2208B90

RcptNo: 1

Received By: Juan Rojas

8/19/2022 6:35:00 AM

Juan Rojas

Completed By: Juan Rojas

8/19/2022 6:48:34 AM

Juan Rojas

Reviewed By: NB 8/19/22

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 $>0^{\circ}\text{C}$ 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?
(Note discrepancies on chain of custody) Yes ☒ No ☐
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?
(If no, notify customer for authorization.) Yes ☒ No ☐

of preserved
bottles checked
for pH:

(<2 or >12 unless noted)

Adjusted?

Checked by: *JA 8/19/22*

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 $^{\circ}\text{C}$	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.4	Good				



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

August 26, 2022

Kyle Summers

ENSOLUM

606 S. Rio Grande Suite A

Aztec, NM 87410

TEL: (903) 821-5603

FAX:

RE: Jones A LS 7

OrderNo.: 2208D45

Dear Kyle Summers:

Hall Environmental Analysis Laboratory received 2 sample(s) on 8/23/2022 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 horizontal line.

Andy Freeman

Laboratory Manager

4901 Hawkins NE

Albuquerque, NM 87109

Analytical Report

Lab Order 2208D45

Date Reported: 8/26/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-16

Project: Jones A LS 7

Collection Date: 8/22/2022 11:00:00 AM

Lab ID: 2208D45-001

Matrix: SOIL

Received Date: 8/23/2022 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	ND	60		mg/Kg	20	8/23/2022 12:39:44 PM	69695
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	8/23/2022 12:07:58 PM	69685
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	8/23/2022 12:07:58 PM	69685
Surr: DNOP	103	21-129		%Rec	1	8/23/2022 12:07:58 PM	69685
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	6.4	3.8		mg/Kg	1	8/23/2022 9:30:27 AM	G90483
Surr: BFB	152	37.7-212		%Rec	1	8/23/2022 9:30:27 AM	G90483
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.019		mg/Kg	1	8/23/2022 9:30:27 AM	B90483
Toluene	0.058	0.038		mg/Kg	1	8/23/2022 9:30:27 AM	B90483
Ethylbenzene	ND	0.038		mg/Kg	1	8/23/2022 9:30:27 AM	B90483
Xylenes, Total	0.27	0.075		mg/Kg	1	8/23/2022 9:30:27 AM	B90483
Surr: 4-Bromofluorobenzene	94.9	70-130		%Rec	1	8/23/2022 9:30:27 AM	B90483

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	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Page 1 of 6

Analytical Report

Lab Order 2208D45

Date Reported: 8/26/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-17

Project: Jones A LS 7

Collection Date: 8/22/2022 11:05:00 AM

Lab ID: 2208D45-002

Matrix: SOIL

Received Date: 8/23/2022 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	ND	60		mg/Kg	20	8/23/2022 12:52:09 PM	69695
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	8/23/2022 12:18:38 PM	69685
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	8/23/2022 12:18:38 PM	69685
Surr: DNOP	96.7	21-129		%Rec	1	8/23/2022 12:18:38 PM	69685
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	3.6		mg/Kg	1	8/23/2022 9:53:52 AM	G90483
Surr: BFB	104	37.7-212		%Rec	1	8/23/2022 9:53:52 AM	G90483
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.018		mg/Kg	1	8/23/2022 9:53:52 AM	B90483
Toluene	ND	0.036		mg/Kg	1	8/23/2022 9:53:52 AM	B90483
Ethylbenzene	ND	0.036		mg/Kg	1	8/23/2022 9:53:52 AM	B90483
Xylenes, Total	ND	0.072		mg/Kg	1	8/23/2022 9:53:52 AM	B90483
Surr: 4-Bromofluorobenzene	89.7	70-130		%Rec	1	8/23/2022 9:53:52 AM	B90483

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	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Page 2 of 6

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2208D45
26-Aug-22

Client: ENSOLUM
Project: Jones A LS 7

Sample ID: MB-69695	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 69695	RunNo: 90492								
Prep Date: 8/23/2022	Analysis Date: 8/23/2022	SeqNo: 3232550	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-69695	SampType: lcs	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 69695	RunNo: 90492								
Prep Date: 8/23/2022	Analysis Date: 8/23/2022	SeqNo: 3232551	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	92.4	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 Estimated value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 3 of 6

QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2208D45

26-Aug-22

Client: ENSOLUM
Project: Jones A LS 7

Sample ID: LCS-69685	SampType: LCS		TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: LCSS	Batch ID: 69685		RunNo: 90486							
Prep Date: 8/23/2022	Analysis Date: 8/23/2022		SeqNo: 3231313		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	44	15	50.00	0	87.0	64.4	127			
Surr: DNOP	3.6		5.000		71.6	21	129			

Sample ID: MB-69685	SampType: MBLK		TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: PBS	Batch ID: 69685		RunNo: 90486							
Prep Date: 8/23/2022	Analysis Date: 8/23/2022		SeqNo: 3231315		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	15								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	9.5		10.00		95.0	21	129			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quantitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2208D45

26-Aug-22

Client: ENSOLUM

Project: Jones A LS 7

Sample ID: mb	SampType: MBLK				TestCode: EPA Method 8015D: Gasoline Range					
Client ID: PBS	Batch ID: G90483				RunNo: 90483					
Prep Date:	Analysis Date: 8/23/2022				SeqNo: 3231925	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	1200		1000		119	37.7	212			

Sample ID: 2.5ug gro lcs	SampType: LCS				TestCode: EPA Method 8015D: Gasoline Range					
Client ID: LCSS	Batch ID: G90483				RunNo: 90483					
Prep Date:	Analysis Date: 8/23/2022				SeqNo: 3231926	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	102	72.3	137			
Surr: BFB	2100		1000		209	37.7	212			

- 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

Estimated value

J

Analyte detected below quantitation limits

P

Sample pH Not In Range

RL

Reporting Limit

QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2208D45

26-Aug-22

Client: ENSOLUM
Project: Jones A LS 7

Sample ID: mb	SampType: MBLK			TestCode: EPA Method 8021B: Volatiles						
Client ID: PBS	Batch ID: B90483			RunNo: 90483						
Prep Date:	Analysis Date: 8/23/2022			SeqNo: 3231951		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	0.93		1.000		92.7	70	130			

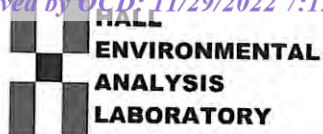
Sample ID: 100ng btex lcs	SampType: LCS			TestCode: EPA Method 8021B: Volatiles						
Client ID: LCSS	Batch ID: B90483			RunNo: 90483						
Prep Date:	Analysis Date: 8/23/2022			SeqNo: 3231952		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.95	0.025	1.000	0	94.9	80	120			
Toluene	0.98	0.050	1.000	0	97.8	80	120			
Ethylbenzene	0.96	0.050	1.000	0	96.4	80	120			
Xylenes, Total	2.9	0.10	3.000	0	95.9	80	120			
Surr: 4-Bromofluorobenzene	0.94		1.000		94.5	70	130			

Sample ID: 2208d45-001ams	SampType: MS			TestCode: EPA Method 8021B: Volatiles						
Client ID: S-16	Batch ID: B90483			RunNo: 90483						
Prep Date:	Analysis Date: 8/23/2022			SeqNo: 3231953		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.67	0.019	0.7502	0.01305	87.6	68.8	120			
Toluene	0.74	0.038	0.7502	0.05754	91.6	73.6	124			
Ethylbenzene	0.71	0.038	0.7502	0.02783	91.0	72.7	129			
Xylenes, Total	2.3	0.075	2.251	0.2704	90.4	75.7	126			
Surr: 4-Bromofluorobenzene	0.73		0.7502		97.0	70	130			

Sample ID: 2208d45-001amsd	SampType: MSD			TestCode: EPA Method 8021B: Volatiles						
Client ID: S-16	Batch ID: B90483			RunNo: 90483						
Prep Date:	Analysis Date: 8/23/2022			SeqNo: 3231954		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.67	0.019	0.7502	0.01305	87.3	68.8	120	0.347	20	
Toluene	0.75	0.038	0.7502	0.05754	91.9	73.6	124	0.282	20	
Ethylbenzene	0.72	0.038	0.7502	0.02783	91.9	72.7	129	0.988	20	
Xylenes, Total	2.3	0.075	2.251	0.2704	92.4	75.7	126	1.92	20	
Surr: 4-Bromofluorobenzene	0.74		0.7502		98.1	70	130	0	0	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quantitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		



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

Sample Log-In Check List

Client Name: ENSOLUM

Work Order Number: 2208D45

RcptNo: 1

Received By: Juan Rojas

8/23/2022 7:00:00 AM

Juan Rojas

Completed By: Juan Rojas

8/23/2022 7:16:11 AM

Juan Rojas

Reviewed By: NB 8/23/22

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 $>0^{\circ}\text{C}$ 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?
(Note discrepancies on chain of custody) Yes ☒ No ☐
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?
(If no, notify customer for authorization.) Yes ☒ No ☐

of preserved
bottles checked
for pH:

(<2 or >12 unless noted)

Adjusted? _____

Checked by: *JB 8/23/22*

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 $^{\circ}\text{C}$	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	0.7	Good				



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

September 08, 2022

Kyle Summers

ENSOLUM

606 S. Rio Grande Suite A

Aztec, NM 87410

TEL: (903) 821-5603

FAX:

RE: Jones A LS 7

OrderNo.: 2209144

Dear Kyle Summers:

Hall Environmental Analysis Laboratory received 1 sample(s) on 9/3/2022 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 2209144

Date Reported: 9/8/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-18

Project: Jones A LS 7

Collection Date: 9/2/2022 9:00:00 AM

Lab ID: 2209144-001

Matrix: SOIL

Received Date: 9/3/2022 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: NAI
Chloride	ND	61		mg/Kg	20	9/6/2022 11:21:43 AM	69971
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	9/6/2022 10:26:14 AM	69963
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	9/6/2022 10:26:14 AM	69963
Surr: DNOP	82.5	21-129		%Rec	1	9/6/2022 10:26:14 AM	69963
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	24		mg/Kg	5	9/6/2022 9:20:35 AM	69961
Surr: BFB	99.4	37.7-212		%Rec	5	9/6/2022 9:20:35 AM	69961
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.12		mg/Kg	5	9/6/2022 9:20:35 AM	69961
Toluene	ND	0.24		mg/Kg	5	9/6/2022 9:20:35 AM	69961
Ethylbenzene	ND	0.24		mg/Kg	5	9/6/2022 9:20:35 AM	69961
Xylenes, Total	ND	0.48		mg/Kg	5	9/6/2022 9:20:35 AM	69961
Surr: 4-Bromofluorobenzene	90.7	70-130		%Rec	5	9/6/2022 9:20:35 AM	69961

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	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Page 1 of 5

QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2209144

08-Sep-22

Client: ENSOLUM
Project: Jones A LS 7

Sample ID: MB-69971	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 69971	RunNo: 90821								
Prep Date: 9/6/2022	Analysis Date: 9/6/2022	SeqNo: 3247546	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-69971	SampType: lcs	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 69971	RunNo: 90821								
Prep Date: 9/6/2022	Analysis Date: 9/6/2022	SeqNo: 3247547	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	93.5	90	110			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quantitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2209144

08-Sep-22

Client: ENSOLUM
Project: Jones A LS 7

Sample ID: LCS-69963	SampType: LCS		TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: LCSS	Batch ID: 69963		RunNo: 90816							
Prep Date: 9/6/2022	Analysis Date: 9/6/2022		SeqNo: 3246556		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	33	15	50.00	0	66.1	64.4	127			
Surr: DNOP	3.1		5.000		62.4	21	129			

Sample ID: MB-69963	SampType: MBLK		TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: PBS	Batch ID: 69963		RunNo: 90816							
Prep Date: 9/6/2022	Analysis Date: 9/6/2022		SeqNo: 3246558		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	15								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	7.7		10.00		77.0	21	129			

Sample ID: 2209144-001AMS	SampType: MS		TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: S-18	Batch ID: 69963		RunNo: 90816							
Prep Date: 9/6/2022	Analysis Date: 9/6/2022		SeqNo: 3246573		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	36	14	45.66	0	78.3	36.1	154			
Surr: DNOP	3.1		4.566		68.8	21	129			

Sample ID: 2209144-001AMSD	SampType: MSD		TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: S-18	Batch ID: 69963		RunNo: 90816							
Prep Date: 9/6/2022	Analysis Date: 9/6/2022		SeqNo: 3246575		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	33	14	46.08	0	71.6	36.1	154	8.04	33.9	
Surr: DNOP	3.0		4.608		64.6	21	129	0	0	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quantitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2209144

08-Sep-22

Client: ENSOLUM
Project: Jones A LS 7

Sample ID: mb-69961	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: PBS	Batch ID: 69961	RunNo: 90809								
Prep Date: 9/4/2022	Analysis Date: 9/6/2022	SeqNo: 3246744 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	960		1000		95.8	37.7	212			

Sample ID: 2209144-001ams	SampType: MS	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: S-18	Batch ID: 69961	RunNo: 90809								
Prep Date: 9/4/2022	Analysis Date: 9/6/2022	SeqNo: 3246747 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	25	25	24.85	0	100	70	130			
Surr: BFB	5800		4970		117	37.7	212			

Sample ID: 2209144-001amsd	SampType: MSD	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: S-18	Batch ID: 69961	RunNo: 90809								
Prep Date: 9/4/2022	Analysis Date: 9/6/2022	SeqNo: 3246748 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	25	25	24.83	0	100	70	130	0.0994	20	
Surr: BFB	5900		4965		118	37.7	212	0	0	

Sample ID: lcs-69961	SampType: LCS	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: LCSS	Batch ID: 69961	RunNo: 90809								
Prep Date: 9/4/2022	Analysis Date: 9/6/2022	SeqNo: 3246836 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	102	72.3	137			
Surr: BFB	2000		1000		197	37.7	212			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quantitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2209144

08-Sep-22

Client: ENSOLUM
Project: Jones A LS 7

Sample ID: mb-69961	SampType: MBLK	TestCode: EPA Method 8021B: Volatiles								
Client ID: PBS	Batch ID: 69961	RunNo: 90809								
Prep Date: 9/4/2022	Analysis Date: 9/6/2022	SeqNo: 3246793 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	0.90		1.000		90.5	70	130			

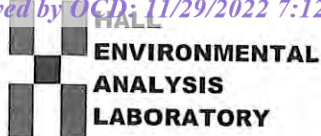
Sample ID: LCS-69961	SampType: LCS	TestCode: EPA Method 8021B: Volatiles								
Client ID: LCSS	Batch ID: 69961	RunNo: 90809								
Prep Date: 9/4/2022	Analysis Date: 9/6/2022	SeqNo: 3246794 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.88	0.025	1.000	0	87.8	80	120			
Toluene	0.93	0.050	1.000	0	93.0	80	120			
Ethylbenzene	0.93	0.050	1.000	0	92.6	80	120			
Xylenes, Total	2.8	0.10	3.000	0	92.6	80	120			
Surr: 4-Bromofluorobenzene	0.91		1.000		90.5	70	130			

Sample ID: 2209144-001a ms	SampType: MS	TestCode: EPA Method 8021B: Volatiles								
Client ID: S-18	Batch ID: 69961	RunNo: 90809								
Prep Date: 9/4/2022	Analysis Date: 9/6/2022	SeqNo: 3246796 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.89	0.12	0.9990	0	88.6	68.8	120			
Toluene	0.94	0.25	0.9990	0	93.8	73.6	124			
Ethylbenzene	0.94	0.25	0.9990	0	94.4	72.7	129			
Xylenes, Total	2.8	0.50	2.997	0.09884	91.1	75.7	126			
Surr: 4-Bromofluorobenzene	4.6		4.995		91.5	70	130			

Sample ID: 2209144-001a msd	SampType: MSD	TestCode: EPA Method 8021B: Volatiles								
Client ID: S-18	Batch ID: 69961	RunNo: 90809								
Prep Date: 9/4/2022	Analysis Date: 9/6/2022	SeqNo: 3246797 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.87	0.12	0.9891	0	88.3	68.8	120	1.33	20	
Toluene	0.93	0.25	0.9891	0	93.7	73.6	124	1.05	20	
Ethylbenzene	0.94	0.25	0.9891	0	95.4	72.7	129	0.00728	20	
Xylenes, Total	2.8	0.49	2.967	0.09884	92.3	75.7	126	0.251	20	
Surr: 4-Bromofluorobenzene	4.5		4.946		91.9	70	130	0	0	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quantitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		



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

Sample Log-In Check List

Client Name: ENSOLUM

Work Order Number: 2209144

RcptNo: 1

Received By: Tracy Casarrubias 9/3/2022 9:00:00 AM

Completed By: Tracy Casarrubias 9/3/2022 11:44:48 AM

Reviewed By: *see 9/4/22*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 $>0^{\circ}\text{C}$ 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?
(Note discrepancies on chain of custody) Yes ☒ No ☐
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?
(If no, notify customer for authorization.) Yes ☒ No ☐

of preserved
bottles checked
for pH:

(<2 or >12 unless noted)

Adjusted?

Checked by: *TMC 9/3/22*

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	3.1	Good	Yes			



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

September 14, 2022

Kyle Summers

ENSOLUM

606 S. Rio Grande Suite A

Aztec, NM 87410

TEL: (903) 821-5603

FAX:

RE: Jones A LS 7

OrderNo.: 2209428

Dear Kyle Summers:

Hall Environmental Analysis Laboratory received 7 sample(s) on 9/9/2022 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 2209428

Date Reported: 9/14/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-19

Project: Jones A LS 7

Collection Date: 9/8/2022 11:30:00 AM

Lab ID: 2209428-001

Matrix: MEOH (SOIL)

Received Date: 9/9/2022 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	ND	60		mg/Kg	20	9/9/2022 10:41:32 AM	70075
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	18	15		mg/Kg	1	9/9/2022 12:05:46 PM	70068
Motor Oil Range Organics (MRO)	79	49		mg/Kg	1	9/9/2022 12:05:46 PM	70068
Surr: DNOP	112	21-129		%Rec	1	9/9/2022 12:05:46 PM	70068
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	18		mg/Kg	5	9/9/2022 8:49:02 AM	G90918
Surr: BFB	105	37.7-212		%Rec	5	9/9/2022 8:49:02 AM	G90918
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.089		mg/Kg	5	9/9/2022 8:49:02 AM	B90918
Toluene	ND	0.18		mg/Kg	5	9/9/2022 8:49:02 AM	B90918
Ethylbenzene	ND	0.18		mg/Kg	5	9/9/2022 8:49:02 AM	B90918
Xylenes, Total	ND	0.35		mg/Kg	5	9/9/2022 8:49:02 AM	B90918
Surr: 4-Bromofluorobenzene	94.6	70-130		%Rec	5	9/9/2022 8:49:02 AM	B90918

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	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Page 1 of 12

Analytical Report

Lab Order 2209428

Date Reported: 9/14/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-20

Project: Jones A LS 7

Collection Date: 9/8/2022 11:40:00 AM

Lab ID: 2209428-002

Matrix: MEOH (SOIL)

Received Date: 9/9/2022 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	ND	60		mg/Kg	20	9/9/2022 10:53:57 AM	70075
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	9/9/2022 12:16:32 PM	70068
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	9/9/2022 12:16:32 PM	70068
Surr: DNOP	98.1	21-129		%Rec	1	9/9/2022 12:16:32 PM	70068
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	19		mg/Kg	5	9/9/2022 9:12:26 AM	G90918
Surr: BFB	101	37.7-212		%Rec	5	9/9/2022 9:12:26 AM	G90918
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.097		mg/Kg	5	9/9/2022 9:12:26 AM	B90918
Toluene	ND	0.19		mg/Kg	5	9/9/2022 9:12:26 AM	B90918
Ethylbenzene	ND	0.19		mg/Kg	5	9/9/2022 9:12:26 AM	B90918
Xylenes, Total	ND	0.39		mg/Kg	5	9/9/2022 9:12:26 AM	B90918
Surr: 4-Bromofluorobenzene	92.1	70-130		%Rec	5	9/9/2022 9:12:26 AM	B90918

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	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

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Analytical Report

Lab Order 2209428

Date Reported: 9/14/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-21

Project: Jones A LS 7

Collection Date: 9/8/2022 11:50:00 AM

Lab ID: 2209428-003

Matrix: MEOH (SOIL)

Received Date: 9/9/2022 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	ND	60		mg/Kg	20	9/9/2022 11:06:22 AM	70075
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	9/9/2022 12:27:14 PM	70068
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	9/9/2022 12:27:14 PM	70068
Surr: DNOP	95.2	21-129		%Rec	1	9/9/2022 12:27:14 PM	70068
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	18		mg/Kg	5	9/9/2022 9:35:52 AM	G90918
Surr: BFB	102	37.7-212		%Rec	5	9/9/2022 9:35:52 AM	G90918
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.091		mg/Kg	5	9/9/2022 9:35:52 AM	B90918
Toluene	ND	0.18		mg/Kg	5	9/9/2022 9:35:52 AM	B90918
Ethylbenzene	ND	0.18		mg/Kg	5	9/9/2022 9:35:52 AM	B90918
Xylenes, Total	ND	0.36		mg/Kg	5	9/9/2022 9:35:52 AM	B90918
Surr: 4-Bromofluorobenzene	93.9	70-130		%Rec	5	9/9/2022 9:35:52 AM	B90918

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	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

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Analytical Report

Lab Order 2209428

Date Reported: 9/14/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-22

Project: Jones A LS 7

Collection Date: 9/8/2022 12:00:00 PM

Lab ID: 2209428-004

Matrix: MEOH (SOIL)

Received Date: 9/9/2022 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	ND	60		mg/Kg	20	9/9/2022 11:18:46 AM	70075
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	9/9/2022 12:37:57 PM	70068
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	9/9/2022 12:37:57 PM	70068
Surr: DNOP	89.5	21-129		%Rec	1	9/9/2022 12:37:57 PM	70068
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	20		mg/Kg	5	9/9/2022 9:59:18 AM	G90918
Surr: BFB	100	37.7-212		%Rec	5	9/9/2022 9:59:18 AM	G90918
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.098		mg/Kg	5	9/9/2022 9:59:18 AM	B90918
Toluene	ND	0.20		mg/Kg	5	9/9/2022 9:59:18 AM	B90918
Ethylbenzene	ND	0.20		mg/Kg	5	9/9/2022 9:59:18 AM	B90918
Xylenes, Total	ND	0.39		mg/Kg	5	9/9/2022 9:59:18 AM	B90918
Surr: 4-Bromofluorobenzene	93.0	70-130		%Rec	5	9/9/2022 9:59:18 AM	B90918

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	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

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Analytical Report

Lab Order 2209428

Date Reported: 9/14/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-23

Project: Jones A LS 7

Collection Date: 9/8/2022 12:10:00 PM

Lab ID: 2209428-005

Matrix: MEOH (SOIL)

Received Date: 9/9/2022 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	ND	60		mg/Kg	20	9/9/2022 11:31:10 AM	70075
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	9/9/2022 12:48:46 PM	70068
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	9/9/2022 12:48:46 PM	70068
Surr: DNOP	98.0	21-129		%Rec	1	9/9/2022 12:48:46 PM	70068
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	42	20		mg/Kg	5	9/9/2022 10:22:50 AM	G90918
Surr: BFB	127	37.7-212		%Rec	5	9/9/2022 10:22:50 AM	G90918
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.10		mg/Kg	5	9/9/2022 10:22:50 AM	B90918
Toluene	ND	0.20		mg/Kg	5	9/9/2022 10:22:50 AM	B90918
Ethylbenzene	ND	0.20		mg/Kg	5	9/9/2022 10:22:50 AM	B90918
Xylenes, Total	1.3	0.40		mg/Kg	5	9/9/2022 10:22:50 AM	B90918
Surr: 4-Bromofluorobenzene	95.2	70-130		%Rec	5	9/9/2022 10:22:50 AM	B90918

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	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

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Analytical Report

Lab Order 2209428

Date Reported: 9/14/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-24

Project: Jones A LS 7

Collection Date: 9/8/2022 12:20:00 PM

Lab ID: 2209428-006

Matrix: MEOH (SOIL)

Received Date: 9/9/2022 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	ND	60		mg/Kg	20	9/9/2022 11:43:36 AM	70075
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	9/9/2022 12:59:34 PM	70068
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	9/9/2022 12:59:34 PM	70068
Surr: DNOP	89.8	21-129		%Rec	1	9/9/2022 12:59:34 PM	70068
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	3.8		mg/Kg	1	9/9/2022 10:46:31 AM	G90918
Surr: BFB	95.2	37.7-212		%Rec	1	9/9/2022 10:46:31 AM	G90918
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.019		mg/Kg	1	9/9/2022 10:46:31 AM	B90918
Toluene	ND	0.038		mg/Kg	1	9/9/2022 10:46:31 AM	B90918
Ethylbenzene	ND	0.038		mg/Kg	1	9/9/2022 10:46:31 AM	B90918
Xylenes, Total	ND	0.075		mg/Kg	1	9/9/2022 10:46:31 AM	B90918
Surr: 4-Bromofluorobenzene	89.6	70-130		%Rec	1	9/9/2022 10:46:31 AM	B90918

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	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

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Analytical Report

Lab Order 2209428

Date Reported: 9/14/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-25

Project: Jones A LS 7

Collection Date: 9/8/2022 12:30:00 PM

Lab ID: 2209428-007

Matrix: MEOH (SOIL)

Received Date: 9/9/2022 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	ND	60		mg/Kg	20	9/9/2022 11:56:00 AM	70075
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	9/9/2022 1:10:23 PM	70068
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	9/9/2022 1:10:23 PM	70068
Surr: DNOP	91.2	21-129		%Rec	1	9/9/2022 1:10:23 PM	70068
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	3.5		mg/Kg	1	9/9/2022 11:10:01 AM	G90918
Surr: BFB	97.5	37.7-212		%Rec	1	9/9/2022 11:10:01 AM	G90918
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.018		mg/Kg	1	9/9/2022 11:10:01 AM	B90918
Toluene	ND	0.035		mg/Kg	1	9/9/2022 11:10:01 AM	B90918
Ethylbenzene	ND	0.035		mg/Kg	1	9/9/2022 11:10:01 AM	B90918
Xylenes, Total	ND	0.071		mg/Kg	1	9/9/2022 11:10:01 AM	B90918
Surr: 4-Bromofluorobenzene	90.4	70-130		%Rec	1	9/9/2022 11:10:01 AM	B90918

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	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

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QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2209428

14-Sep-22

Client: ENSOLUM
Project: Jones A LS 7

Sample ID: MB-70075	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 70075	RunNo: 90923								
Prep Date: 9/9/2022	Analysis Date: 9/9/2022	SeqNo: 3252131 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-70075	SampType: lcs	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 70075	RunNo: 90923								
Prep Date: 9/9/2022	Analysis Date: 9/9/2022	SeqNo: 3252132 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	92.4	90	110			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quantitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

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QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2209428

14-Sep-22

Client: ENSOLUM
Project: Jones A LS 7

Sample ID: LCS-69992	SampType: LCS		TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: LCSS	Batch ID: 69992		RunNo: 90851							
Prep Date: 9/6/2022	Analysis Date: 9/8/2022		SeqNo: 3248817		Units: %Rec					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	4.2		5.000		83.0	21	129			

Sample ID: MB-69992	SampType: MBLK		TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: PBS	Batch ID: 69992		RunNo: 90851							
Prep Date: 9/6/2022	Analysis Date: 9/8/2022		SeqNo: 3248818		Units: %Rec					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	13		10.00		131	21	129			S

Sample ID: LCS-70068	SampType: LCS		TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: LCSS	Batch ID: 70068		RunNo: 90851							
Prep Date: 9/9/2022	Analysis Date: 9/9/2022		SeqNo: 3250676		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	36	15	50.00	0	71.8	64.4	127			
Surr: DNOP	3.4		5.000		67.7	21	129			

Sample ID: MB-70068	SampType: MBLK		TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: PBS	Batch ID: 70068		RunNo: 90851							
Prep Date: 9/9/2022	Analysis Date: 9/9/2022		SeqNo: 3250684		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	15								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	8.7		10.00		87.0	21	129			

Sample ID: 2209428-001AMS	SampType: MS		TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: S-19	Batch ID: 70068		RunNo: 90851							
Prep Date: 9/9/2022	Analysis Date: 9/9/2022		SeqNo: 3251917		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	46	14	48.31	17.60	59.2	36.1	154			
Surr: DNOP	4.5		4.831		93.4	21	129			

Sample ID: 2209428-001AMSD	SampType: MSD		TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: S-19	Batch ID: 70068		RunNo: 90851							
Prep Date: 9/9/2022	Analysis Date: 9/9/2022		SeqNo: 3251918		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	51	14	47.48	17.60	70.2	36.1	154	9.73	33.9	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quantitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2209428

14-Sep-22

Client: ENSOLUM

Project: Jones A LS 7

Sample ID: 2209428-001AMSD		SampType: MSD		TestCode: EPA Method 8015M/D: Diesel Range Organics						
Client ID: S-19		Batch ID: 70068		RunNo: 90851						
Prep Date: 9/9/2022		Analysis Date: 9/9/2022		SeqNo: 3251918			Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	4.7		4.748		99.1	21	129	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 Estimated value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

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QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2209428

14-Sep-22

Client: ENSOLUM
Project: Jones A LS 7

Sample ID: mb	SampType: MBLK				TestCode: EPA Method 8015D: Gasoline Range					
Client ID: PBS	Batch ID: G90918				RunNo: 90918					
Prep Date:	Analysis Date: 9/9/2022				SeqNo: 3251213		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	990		1000		98.5	37.7	212			

Sample ID: 2.5ug gro lcs	SampType: LCS				TestCode: EPA Method 8015D: Gasoline Range					
Client ID: LCSS	Batch ID: G90918				RunNo: 90918					
Prep Date:	Analysis Date: 9/9/2022				SeqNo: 3251214		Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	24	5.0	25.00	0	96.2	72.3	137			
Surr: BFB	2000		1000		199	37.7	212			

Sample ID: 2209428-001ams	SampType: MS				TestCode: EPA Method 8015D: Gasoline Range					
Client ID: S-19	Batch ID: G90918				RunNo: 90918					
Prep Date:	Analysis Date: 9/9/2022				SeqNo: 3251215		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	102	70	130			
Surr: BFB	2100		1000		206	37.7	212			

Sample ID: 2209428-001amsd	SampType: MSD				TestCode: EPA Method 8015D: Gasoline Range					
Client ID: S-19	Batch ID: G90918				RunNo: 90918					
Prep Date:	Analysis Date: 9/9/2022				SeqNo: 3251216		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	99.8	70	130	1.83	20	
Surr: BFB	2000		1000		204	37.7	212	0	0	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quantitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2209428

14-Sep-22

Client: ENSOLUM
Project: Jones A LS 7

Sample ID: mb	SampType: MBLK		TestCode: EPA Method 8021B: Volatiles							
Client ID: PBS	Batch ID: B90918		RunNo: 90918							
Prep Date:	Analysis Date: 9/9/2022		SeqNo: 3251278		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	0.91		1.000		91.4	70	130			

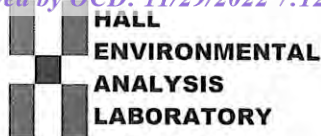
Sample ID: 100ng btex lcs	SampType: LCS		TestCode: EPA Method 8021B: Volatiles							
Client ID: LCSS	Batch ID: B90918		RunNo: 90918							
Prep Date:	Analysis Date: 9/9/2022		SeqNo: 3251279		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.87	0.025	1.000	0	87.0	80	120			
Toluene	0.91	0.050	1.000	0	90.8	80	120			
Ethylbenzene	0.90	0.050	1.000	0	89.6	80	120			
Xylenes, Total	2.7	0.10	3.000	0	90.0	80	120			
Surr: 4-Bromofluorobenzene	0.94		1.000		94.5	70	130			

Sample ID: 2209428-002ams	SampType: MS		TestCode: EPA Method 8021B: Volatiles							
Client ID: S-20	Batch ID: B90918		RunNo: 90918							
Prep Date:	Analysis Date: 9/9/2022		SeqNo: 3251280		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.89	0.025	1.000	0	89.3	68.8	120			
Toluene	0.93	0.050	1.000	0.06760	86.5	73.6	124			
Ethylbenzene	0.93	0.050	1.000	0.05750	87.0	72.7	129			
Xylenes, Total	2.8	0.10	3.000	0.2809	83.1	75.7	126			
Surr: 4-Bromofluorobenzene	0.94		1.000		93.5	70	130			

Sample ID: 2209428-002amsd	SampType: MSD		TestCode: EPA Method 8021B: Volatiles							
Client ID: S-20	Batch ID: B90918		RunNo: 90918							
Prep Date:	Analysis Date: 9/9/2022		SeqNo: 3251281		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.88	0.025	1.000	0	87.8	68.8	120	1.75	20	
Toluene	0.93	0.050	1.000	0.06760	85.8	73.6	124	0.732	20	
Ethylbenzene	0.92	0.050	1.000	0.05750	85.8	72.7	129	1.26	20	
Xylenes, Total	2.8	0.10	3.000	0.2809	82.4	75.7	126	0.767	20	
Surr: 4-Bromofluorobenzene	0.96		1.000		95.6	70	130	0	0	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quantitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		



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

Sample Log-In Check List

Client Name: ENSOLUM

Work Order Number: 2209428

RcptNo: 1

Received By: Sean Livingston

9/9/2022 7:30:00 AM

Completed By: Sean Livingston

9/9/2022 7:51:02 AM

Reviewed By: TMC

9/9/22

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 $>0^{\circ}\text{C}$ 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?
(Note discrepancies on chain of custody) Yes ☒ No ☐
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?
(If no, notify customer for authorization.) Yes ☒ No ☐

of preserved
bottles checked
for pH:

(<2 or >12 unless noted)

Adjusted? _____

Checked by: JA 9/9/22

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 $^{\circ}\text{C}$	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	0.4	Good				

Released to Imaging: 12/9/2022 10:52:17 AM

Client: Ensolum, LLC

Mailing Address: 606 S. Rio Grande, Suite 101

Artec, NM 87410

Phone #: 505 42

email or Fax#: Ksummers@easolun.com

- Level 4 (Full Validation)

☐ Other☐ EDD (Type)

☒ Rush 1007. Day

Project #: Jones A LS#7

K. Summers

☐ NoCooler Temp (including CF): $0.4 \pm 0 = 0.4$ ($^{\circ}\text{C}$)

HEAL No.
209428

9/8/22	11:30	S	S-19
--------	-------	---	------

9/8/22	11:40	S	S-20
--------	-------	---	------

9/9/22	11:50	S	S-21
--------	-------	---	------

9/8/22	12:00	S	S-22
--------	-------	---	------

9/8/22	1210	5	5-23
--------	------	---	------

9/8/22 12:20	S	S-24
--------------	---	------

9/8/72	12:30	S	S-25
--------	-------	---	------

9/8/27 1534

9 | 8 | 22 | 1842

9/8/22 1534

1/9/22 7:30

PM Tom Long
Paykey: RB21200

Same Day

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

[illegible]



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

September 26, 2022

Kyle Summers

ENSOLUM

606 S. Rio Grande Suite A

Aztec, NM 87410

TEL: (903) 821-5603

FAX

RE: Jones A LS 7

OrderNo.: 2209550

Dear Kyle Summers:

Hall Environmental Analysis Laboratory received 8 sample(s) on 9/13/2022 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 2209550

Date Reported: 9/26/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-26

Project: Jones A LS 7

Collection Date: 9/12/2022 3:00:00 PM

Lab ID: 2209550-001

Matrix: MEOH (SOIL)

Received Date: 9/13/2022 7:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	ND	60		mg/Kg	20	9/13/2022 9:31:21 AM	70126
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	88	15		mg/Kg	1	9/13/2022 10:21:22 AM	70125
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	9/13/2022 10:21:22 AM	70125
Surr: DNOP	82.4	21-129		%Rec	1	9/13/2022 10:21:22 AM	70125
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	96	20		mg/Kg	5	9/13/2022 8:51:45 AM	G90976
Surr: BFB	242	37.7-212	S	%Rec	5	9/13/2022 8:51:45 AM	G90976
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.10		mg/Kg	5	9/13/2022 8:51:45 AM	B90976
Toluene	0.64	0.20		mg/Kg	5	9/13/2022 8:51:45 AM	B90976
Ethylbenzene	0.42	0.20		mg/Kg	5	9/13/2022 8:51:45 AM	B90976
Xylenes, Total	4.7	0.40		mg/Kg	5	9/13/2022 8:51:45 AM	B90976
Surr: 4-Bromofluorobenzene	96.8	70-130		%Rec	5	9/13/2022 8:51:45 AM	B90976

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	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

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Analytical Report

Lab Order 2209550

Date Reported: 9/26/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-27

Project: Jones A LS 7

Collection Date: 9/12/2022 3:10:00 PM

Lab ID: 2209550-002

Matrix: MEOH (SOIL)

Received Date: 9/13/2022 7:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	ND	60		mg/Kg	20	9/13/2022 9:43:45 AM	70126
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	9/13/2022 10:45:07 AM	70125
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	9/13/2022 10:45:07 AM	70125
Surr: DNOP	87.6	21-129		%Rec	1	9/13/2022 10:45:07 AM	70125
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	3.9		mg/Kg	1	9/13/2022 9:15:20 AM	G90976
Surr: BFB	101	37.7-212		%Rec	1	9/13/2022 9:15:20 AM	G90976
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.019		mg/Kg	1	9/13/2022 9:15:20 AM	B90976
Toluene	ND	0.039		mg/Kg	1	9/13/2022 9:15:20 AM	B90976
Ethylbenzene	ND	0.039		mg/Kg	1	9/13/2022 9:15:20 AM	B90976
Xylenes, Total	0.084	0.077		mg/Kg	1	9/13/2022 9:15:20 AM	B90976
Surr: 4-Bromofluorobenzene	89.0	70-130		%Rec	1	9/13/2022 9:15:20 AM	B90976

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	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order 2209550

Date Reported: 9/26/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-28

Project: Jones A LS 7

Collection Date: 9/12/2022 3:20:00 PM

Lab ID: 2209550-003

Matrix: MEOH (SOIL)

Received Date: 9/13/2022 7:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	ND	60		mg/Kg	20	9/13/2022 9:56:09 AM	70126
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	130	15		mg/Kg	1	9/13/2022 11:08:52 AM	70125
Motor Oil Range Organics (MRO)	100	50		mg/Kg	1	9/13/2022 11:08:52 AM	70125
Surr: DNOP	98.7	21-129		%Rec	1	9/13/2022 11:08:52 AM	70125
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	4.5	3.5		mg/Kg	1	9/13/2022 9:38:54 AM	G90976
Surr: BFB	145	37.7-212		%Rec	1	9/13/2022 9:38:54 AM	G90976
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.017		mg/Kg	1	9/13/2022 9:38:54 AM	B90976
Toluene	ND	0.035		mg/Kg	1	9/13/2022 9:38:54 AM	B90976
Ethylbenzene	ND	0.035		mg/Kg	1	9/13/2022 9:38:54 AM	B90976
Xylenes, Total	0.16	0.070		mg/Kg	1	9/13/2022 9:38:54 AM	B90976
Surr: 4-Bromofluorobenzene	91.2	70-130		%Rec	1	9/13/2022 9:38:54 AM	B90976

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	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order 2209550

Date Reported: 9/26/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-29

Project: Jones A LS 7

Collection Date: 9/12/2022 3:30:00 PM

Lab ID: 2209550-004

Matrix: MEOH (SOIL)

Received Date: 9/13/2022 7:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	ND	60		mg/Kg	20	9/13/2022 10:08:34 AM	70126
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	37	15		mg/Kg	1	9/13/2022 11:32:41 AM	70125
Motor Oil Range Organics (MRO)	140	49		mg/Kg	1	9/13/2022 11:32:41 AM	70125
Surr: DNOP	97.4	21-129		%Rec	1	9/13/2022 11:32:41 AM	70125
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	18		mg/Kg	5	9/13/2022 10:02:21 AM	G90976
Surr: BFB	105	37.7-212		%Rec	5	9/13/2022 10:02:21 AM	G90976
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.091		mg/Kg	5	9/13/2022 10:02:21 AM	B90976
Toluene	ND	0.18		mg/Kg	5	9/13/2022 10:02:21 AM	B90976
Ethylbenzene	ND	0.18		mg/Kg	5	9/13/2022 10:02:21 AM	B90976
Xylenes, Total	0.46	0.37		mg/Kg	5	9/13/2022 10:02:21 AM	B90976
Surr: 4-Bromofluorobenzene	90.1	70-130		%Rec	5	9/13/2022 10:02:21 AM	B90976

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	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order 2209550

Date Reported: 9/26/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-30

Project: Jones A LS 7

Collection Date: 9/12/2022 3:40:00 PM

Lab ID: 2209550-005

Matrix: MEOH (SOIL)

Received Date: 9/13/2022 7:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	ND	60		mg/Kg	20	9/13/2022 10:20:59 AM	70126
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	9/13/2022 11:56:26 AM	70125
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	9/13/2022 11:56:26 AM	70125
Surr: DNOP	93.6	21-129		%Rec	1	9/13/2022 11:56:26 AM	70125
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	3.5		mg/Kg	1	9/13/2022 10:25:50 AM	G90976
Surr: BFB	98.0	37.7-212		%Rec	1	9/13/2022 10:25:50 AM	G90976
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.018		mg/Kg	1	9/13/2022 10:25:50 AM	B90976
Toluene	ND	0.035		mg/Kg	1	9/13/2022 10:25:50 AM	B90976
Ethylbenzene	ND	0.035		mg/Kg	1	9/13/2022 10:25:50 AM	B90976
Xylenes, Total	ND	0.071		mg/Kg	1	9/13/2022 10:25:50 AM	B90976
Surr: 4-Bromofluorobenzene	89.8	70-130		%Rec	1	9/13/2022 10:25:50 AM	B90976

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	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order 2209550

Date Reported: 9/26/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-31

Project: Jones A LS 7

Collection Date: 9/12/2022 3:50:00 PM

Lab ID: 2209550-006

Matrix: MEOH (SOIL)

Received Date: 9/13/2022 7:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	ND	60		mg/Kg	20	9/13/2022 10:58:13 AM	70126
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	56	14		mg/Kg	1	9/13/2022 12:20:11 PM	70125
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	9/13/2022 12:20:11 PM	70125
Surr: DNOP	102	21-129		%Rec	1	9/13/2022 12:20:11 PM	70125
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	77	20		mg/Kg	5	9/13/2022 10:49:23 AM	G90976
Surr: BFB	172	37.7-212		%Rec	5	9/13/2022 10:49:23 AM	G90976
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.10		mg/Kg	5	9/13/2022 10:49:23 AM	B90976
Toluene	1.3	0.20		mg/Kg	5	9/13/2022 10:49:23 AM	B90976
Ethylbenzene	0.45	0.20		mg/Kg	5	9/13/2022 10:49:23 AM	B90976
Xylenes, Total	4.4	0.40		mg/Kg	5	9/13/2022 10:49:23 AM	B90976
Surr: 4-Bromofluorobenzene	94.4	70-130		%Rec	5	9/13/2022 10:49:23 AM	B90976

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	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

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Analytical Report

Lab Order 2209550

Date Reported: 9/26/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-32

Project: Jones A LS 7

Collection Date: 9/12/2022 4:00:00 PM

Lab ID: 2209550-007

Matrix: MEOH (SOIL)

Received Date: 9/13/2022 7:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	ND	60		mg/Kg	20	9/13/2022 11:10:37 AM	70126
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	62	15		mg/Kg	1	9/13/2022 12:44:03 PM	70125
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	9/13/2022 12:44:03 PM	70125
Surr: DNOP	99.3	21-129		%Rec	1	9/13/2022 12:44:03 PM	70125
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	36	20		mg/Kg	5	9/13/2022 11:12:57 AM	G90976
Surr: BFB	127	37.7-212		%Rec	5	9/13/2022 11:12:57 AM	G90976
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.10		mg/Kg	5	9/13/2022 11:12:57 AM	B90976
Toluene	0.50	0.20		mg/Kg	5	9/13/2022 11:12:57 AM	B90976
Ethylbenzene	ND	0.20		mg/Kg	5	9/13/2022 11:12:57 AM	B90976
Xylenes, Total	1.7	0.41		mg/Kg	5	9/13/2022 11:12:57 AM	B90976
Surr: 4-Bromofluorobenzene	94.0	70-130		%Rec	5	9/13/2022 11:12:57 AM	B90976

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	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

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Analytical Report

Lab Order 2209550

Date Reported: 9/26/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-33

Project: Jones A LS 7

Collection Date: 9/12/2022 4:10:00 PM

Lab ID: 2209550-008

Matrix: MEOH (SOIL)

Received Date: 9/13/2022 7:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	ND	61		mg/Kg	20	9/13/2022 11:23:01 AM	70126
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	260	15		mg/Kg	1	9/13/2022 1:07:48 PM	70125
Motor Oil Range Organics (MRO)	160	49		mg/Kg	1	9/13/2022 1:07:48 PM	70125
Surr: DNOP	104	21-129		%Rec	1	9/13/2022 1:07:48 PM	70125
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	3.3		mg/Kg	1	9/13/2022 11:36:26 AM	G90976
Surr: BFB	96.0	37.7-212		%Rec	1	9/13/2022 11:36:26 AM	G90976
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.016		mg/Kg	1	9/13/2022 11:36:26 AM	B90976
Toluene	ND	0.033		mg/Kg	1	9/13/2022 11:36:26 AM	B90976
Ethylbenzene	ND	0.033		mg/Kg	1	9/13/2022 11:36:26 AM	B90976
Xylenes, Total	ND	0.065		mg/Kg	1	9/13/2022 11:36:26 AM	B90976
Surr: 4-Bromofluorobenzene	90.2	70-130		%Rec	1	9/13/2022 11:36:26 AM	B90976

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	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

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QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2209550

26-Sep-22

Client: ENSOLUM

Project: Jones A LS 7

Sample ID: MB-70126		SampType: mblk		TestCode: EPA Method 300.0: Anions						
Client ID: PBS		Batch ID: 70126		RunNo: 90978						
Prep Date: 9/13/2022		Analysis Date: 9/13/2022		SeqNo: 3255241		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-70126		SampType: lcs		TestCode: EPA Method 300.0: Anions						
Client ID: LCSS		Batch ID: 70126		RunNo: 90978						
Prep Date: 9/13/2022		Analysis Date: 9/13/2022		SeqNo: 3255242		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			

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 Estimated value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2209550

26-Sep-22

Client: ENSOLUM
Project: Jones A LS 7

Sample ID: MB-70125	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 70125	RunNo: 90980								
Prep Date: 9/13/2022	Analysis Date: 9/13/2022	SeqNo: 3253842 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	15								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	8.2		10.00		81.8	21	129			

Sample ID: LCS-70125	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 70125	RunNo: 90980								
Prep Date: 9/13/2022	Analysis Date: 9/13/2022	SeqNo: 3253843 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	46	15	50.00	0	92.0	64.4	127			
Surr: DNOP	4.1		5.000		82.6	21	129			

Sample ID: 2209550-001AMS	SampType: MS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: S-26	Batch ID: 70125	RunNo: 90980								
Prep Date: 9/13/2022	Analysis Date: 9/13/2022	SeqNo: 3260188 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	140	15	49.70	88.33	106	36.1	154			
Surr: DNOP	5.3		4.970		107	21	129			

Sample ID: 2209550-001AMSD	SampType: MSD	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: S-26	Batch ID: 70125	RunNo: 90980								
Prep Date: 9/13/2022	Analysis Date: 9/13/2022	SeqNo: 3260189 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	140	15	49.46	88.33	104	36.1	154	0.784	33.9	
Surr: DNOP	5.2		4.946		105	21	129	0	0	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quantitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2209550

26-Sep-22

Client: ENSOLUM
Project: Jones A LS 7

Sample ID: mb	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: PBS	Batch ID: G90976	RunNo: 90976								
Prep Date:	Analysis Date: 9/13/2022	SeqNo: 3254266 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		97.0	37.7	212			

Sample ID: 2.5ug gro lcs	SampType: LCS	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: LCSS	Batch ID: G90976	RunNo: 90976								
Prep Date:	Analysis Date: 9/13/2022	SeqNo: 3254267 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	104	72.3	137			
Surr: BFB	2000		1000		196	37.7	212			

Sample ID: 2209550-001ams	SampType: MS	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: S-26	Batch ID: G90976	RunNo: 90976								
Prep Date:	Analysis Date: 9/13/2022	SeqNo: 3254268 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	210	20	99.60	95.66	112	70	130			
Surr: BFB	14000		3984		359	37.7	212			S

Sample ID: 2209550-001amsd	SampType: MSD	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: S-26	Batch ID: G90976	RunNo: 90976								
Prep Date:	Analysis Date: 9/13/2022	SeqNo: 3254269 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	200	20	99.60	95.66	103	70	130	4.51	20	
Surr: BFB	14000		3984		348	37.7	212	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 Estimated value
J Analyte detected below quantitation limits
P Sample pH Not In Range
RL Reporting Limit

QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2209550

26-Sep-22

Client: ENSOLUM
Project: Jones A LS 7

Sample ID: mb	SampType: MBLK	TestCode: EPA Method 8021B: Volatiles								
Client ID: PBS	Batch ID: B90976	RunNo: 90976								
Prep Date:	Analysis Date: 9/13/2022	SeqNo: 3254307 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	0.91		1.000		90.6	70	130			

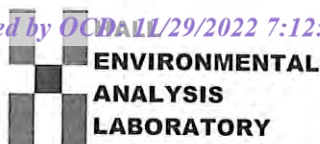
Sample ID: 100ng btex lcs	SampType: LCS	TestCode: EPA Method 8021B: Volatiles								
Client ID: LCSS	Batch ID: B90976	RunNo: 90976								
Prep Date:	Analysis Date: 9/13/2022	SeqNo: 3254308 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.90	0.025	1.000	0	90.0	80	120			
Toluene	0.93	0.050	1.000	0	93.5	80	120			
Ethylbenzene	0.93	0.050	1.000	0	92.9	80	120			
Xylenes, Total	2.8	0.10	3.000	0	92.8	80	120			
Surr: 4-Bromofluorobenzene	0.89		1.000		89.2	70	130			

Sample ID: 2209550-002ams	SampType: MS	TestCode: EPA Method 8021B: Volatiles								
Client ID: S-27	Batch ID: B90976	RunNo: 90976								
Prep Date:	Analysis Date: 9/13/2022	SeqNo: 3254309 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.71	0.019	0.7728	0.01244	90.3	68.8	120			
Toluene	0.77	0.039	0.7728	0.03423	94.7	73.6	124			
Ethylbenzene	0.74	0.039	0.7728	0.01376	94.6	72.7	129			
Xylenes, Total	2.3	0.077	2.318	0.08447	94.3	75.7	126			
Surr: 4-Bromofluorobenzene	0.73		0.7728		94.0	70	130			

Sample ID: 2209550-002amsd	SampType: MSD	TestCode: EPA Method 8021B: Volatiles								
Client ID: S-27	Batch ID: B90976	RunNo: 90976								
Prep Date:	Analysis Date: 9/13/2022	SeqNo: 3254310 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.68	0.019	0.7728	0.01244	86.4	68.8	120	4.32	20	
Toluene	0.74	0.039	0.7728	0.03423	90.9	73.6	124	3.83	20	
Ethylbenzene	0.71	0.039	0.7728	0.01376	90.5	72.7	129	4.39	20	
Xylenes, Total	2.2	0.077	2.318	0.08447	90.4	75.7	126	4.00	20	
Surr: 4-Bromofluorobenzene	0.71		0.7728		92.3	70	130	0	0	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quantitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		



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

Sample Log-In Check List

Client Name: ENSOLUM

Work Order Number: 2209550

RcptNo: 1

Received By: Juan Rojas

9/13/2022 7:50:00 AM

Completed By: Cheyenne Cason

9/13/2022 8:06:10 AM

Reviewed By:

9-13-22

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 $>0^{\circ}\text{C}$ 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?
(Note discrepancies on chain of custody) Yes ☒ No ☐
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?
(If no, notify customer for authorization.) Yes ☒ No ☐

of preserved
bottles checked
for pH:

(<2 or >12 unless noted)

Adjusted?

Checked by: in 9/13/22Special 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 $^{\circ}\text{C}$	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	0.2	Good	Yes			



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

September 20, 2022

Kyle Summers

ENSOLUM

606 S. Rio Grande Suite A

Aztec, NM 87410

TEL: (903) 821-5603

FAX

RE: Jones A LS 7

OrderNo.: 2209728

Dear Kyle Summers:

Hall Environmental Analysis Laboratory received 4 sample(s) on 9/15/2022 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 horizontal line.

Andy Freeman

Laboratory Manager

4901 Hawkins NE

Albuquerque, NM 87109

Analytical Report

Lab Order 2209728

Date Reported: 9/20/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-34

Project: Jones A LS 7

Collection Date: 9/14/2022 1:50:00 PM

Lab ID: 2209728-001

Matrix: MEOH (SOIL)

Received Date: 9/15/2022 7:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	ND	60		mg/Kg	20	9/15/2022 10:51:27 AM	70196
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	9/15/2022 2:55:35 PM	70192
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	9/15/2022 2:55:35 PM	70192
Surr: DNOP	76.1	21-129		%Rec	1	9/15/2022 2:55:35 PM	70192
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	42	20		mg/Kg	5	9/15/2022 9:03:18 AM	A91053
Surr: BFB	122	37.7-212		%Rec	5	9/15/2022 9:03:18 AM	A91053
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.10		mg/Kg	5	9/15/2022 9:03:18 AM	C91053
Toluene	0.48	0.20		mg/Kg	5	9/15/2022 9:03:18 AM	C91053
Ethylbenzene	0.21	0.20		mg/Kg	5	9/15/2022 9:03:18 AM	C91053
Xylenes, Total	2.0	0.40		mg/Kg	5	9/15/2022 9:03:18 AM	C91053
Surr: 4-Bromofluorobenzene	87.9	70-130		%Rec	5	9/15/2022 9:03:18 AM	C91053

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	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Page 1 of 9

Analytical Report

Lab Order 2209728

Date Reported: 9/20/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-35

Project: Jones A LS 7

Collection Date: 9/14/2022 2:00:00 PM

Lab ID: 2209728-002

Matrix: MEOH (SOIL)

Received Date: 9/15/2022 7:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	ND	60		mg/Kg	20	9/15/2022 11:03:52 AM	70196
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	9/15/2022 10:54:50 AM	70192
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	9/15/2022 10:54:50 AM	70192
Surr: DNOP	92.9	21-129		%Rec	1	9/15/2022 10:54:50 AM	70192
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	3.5		mg/Kg	1	9/15/2022 9:26:44 AM	A91053
Surr: BFB	90.9	37.7-212		%Rec	1	9/15/2022 9:26:44 AM	A91053
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.018		mg/Kg	1	9/15/2022 9:26:44 AM	C91053
Toluene	ND	0.035		mg/Kg	1	9/15/2022 9:26:44 AM	C91053
Ethylbenzene	ND	0.035		mg/Kg	1	9/15/2022 9:26:44 AM	C91053
Xylenes, Total	ND	0.071		mg/Kg	1	9/15/2022 9:26:44 AM	C91053
Surr: 4-Bromofluorobenzene	88.4	70-130		%Rec	1	9/15/2022 9:26:44 AM	C91053

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	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

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Analytical Report

Lab Order 2209728

Date Reported: 9/20/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-36

Project: Jones A LS 7

Collection Date: 9/14/2022 2:10:00 PM

Lab ID: 2209728-003

Matrix: MEOH (SOIL)

Received Date: 9/15/2022 7:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	ND	60		mg/Kg	20	9/15/2022 11:16:17 AM	70196
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	9/15/2022 11:05:37 AM	70192
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	9/15/2022 11:05:37 AM	70192
Surr: DNOP	84.5	21-129		%Rec	1	9/15/2022 11:05:37 AM	70192
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	3.8		mg/Kg	1	9/15/2022 9:50:10 AM	A91053
Surr: BFB	89.0	37.7-212		%Rec	1	9/15/2022 9:50:10 AM	A91053
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.019		mg/Kg	1	9/15/2022 9:50:10 AM	C91053
Toluene	ND	0.038		mg/Kg	1	9/15/2022 9:50:10 AM	C91053
Ethylbenzene	ND	0.038		mg/Kg	1	9/15/2022 9:50:10 AM	C91053
Xylenes, Total	ND	0.076		mg/Kg	1	9/15/2022 9:50:10 AM	C91053
Surr: 4-Bromofluorobenzene	87.0	70-130		%Rec	1	9/15/2022 9:50:10 AM	C91053

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	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

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Analytical Report

Lab Order 2209728

Date Reported: 9/20/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-37

Project: Jones A LS 7

Collection Date: 9/14/2022 2:20:00 PM

Lab ID: 2209728-004

Matrix: MEOH (SOIL)

Received Date: 9/15/2022 7:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	ND	60		mg/Kg	20	9/15/2022 11:28:42 AM	70196
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	9/15/2022 11:16:21 AM	70192
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	9/15/2022 11:16:21 AM	70192
Surr: DNOP	86.3	21-129		%Rec	1	9/15/2022 11:16:21 AM	70192
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	3.7		mg/Kg	1	9/15/2022 10:13:41 AM	A91053
Surr: BFB	88.5	37.7-212		%Rec	1	9/15/2022 10:13:41 AM	A91053
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.018		mg/Kg	1	9/15/2022 10:13:41 AM	C91053
Toluene	ND	0.037		mg/Kg	1	9/15/2022 10:13:41 AM	C91053
Ethylbenzene	ND	0.037		mg/Kg	1	9/15/2022 10:13:41 AM	C91053
Xylenes, Total	ND	0.074		mg/Kg	1	9/15/2022 10:13:41 AM	C91053
Surr: 4-Bromofluorobenzene	86.9	70-130		%Rec	1	9/15/2022 10:13:41 AM	C91053

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	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Page 4 of 9

QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2209728

20-Sep-22

Client: ENSOLUM
Project: Jones A LS 7

Sample ID: MB-70196	SampType: MBLK	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 70196	RunNo: 91056								
Prep Date: 9/15/2022	Analysis Date: 9/15/2022	SeqNo: 3258074	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-70196	SampType: LCS	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 70196	RunNo: 91056								
Prep Date: 9/15/2022	Analysis Date: 9/15/2022	SeqNo: 3258075	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	94.3	90	110			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quantitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2209728

20-Sep-22

Client: ENSOLUM
Project: Jones A LS 7

Sample ID: LCS-70160	SampType: LCS		TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: LCSS	Batch ID: 70160		RunNo: 91028							
Prep Date: 9/13/2022	Analysis Date: 9/14/2022		SeqNo: 3255495		Units: %Rec					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	3.4		5.000		68.7	21	129			

Sample ID: MB-70160	SampType: MBLK		TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: PBS	Batch ID: 70160		RunNo: 91028							
Prep Date: 9/13/2022	Analysis Date: 9/14/2022		SeqNo: 3255498		Units: %Rec					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	8.5		10.00		85.5	21	129			

Sample ID: 2209728-001AMS	SampType: MS		TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: S-34	Batch ID: 70192		RunNo: 91028							
Prep Date: 9/15/2022	Analysis Date: 9/15/2022		SeqNo: 3256960		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	38	14	47.35	0	79.4	36.1	154			
Surr: DNOP	3.3		4.735		68.8	21	129			

Sample ID: 2209728-001AMSD	SampType: MSD		TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: S-34	Batch ID: 70192		RunNo: 91028							
Prep Date: 9/15/2022	Analysis Date: 9/15/2022		SeqNo: 3256961		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	45	15	49.85	0	90.2	36.1	154	17.8	33.9	
Surr: DNOP	3.4		4.985		68.7	21	129	0	0	

Sample ID: LCS-70132	SampType: LCS		TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: LCSS	Batch ID: 70132		RunNo: 91028							
Prep Date: 9/13/2022	Analysis Date: 9/15/2022		SeqNo: 3256966		Units: %Rec					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	2.8		5.000		55.6	21	129			

Sample ID: LCS-70156	SampType: LCS		TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: LCSS	Batch ID: 70156		RunNo: 91028							
Prep Date: 9/13/2022	Analysis Date: 9/15/2022		SeqNo: 3256969		Units: %Rec					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	4.2		5.000		84.0	21	129			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quantitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2209728

20-Sep-22

Client: ENSOLUM
Project: Jones A LS 7

Sample ID: LCS-70192	SampType: LCS			TestCode: EPA Method 8015M/D: Diesel Range Organics						
Client ID: LCSS	Batch ID: 70192			RunNo: 91028						
Prep Date: 9/15/2022	Analysis Date: 9/15/2022			SeqNo: 3256971	Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	40	15	50.00	0	79.7	64.4	127			
Surr: DNOP	3.4		5.000		67.5	21	129			

Sample ID: MB-70132	SampType: MBLK			TestCode: EPA Method 8015M/D: Diesel Range Organics						
Client ID: PBS	Batch ID: 70132			RunNo: 91028						
Prep Date: 9/13/2022	Analysis Date: 9/15/2022			SeqNo: 3256972	Units: %Rec					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	7.1		10.00		70.7	21	129			

Sample ID: MB-70156	SampType: MBLK			TestCode: EPA Method 8015M/D: Diesel Range Organics						
Client ID: PBS	Batch ID: 70156			RunNo: 91028						
Prep Date: 9/13/2022	Analysis Date: 9/15/2022			SeqNo: 3256975	Units: %Rec					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	8.3		10.00		83.3	21	129			

Sample ID: MB-70192	SampType: MBLK			TestCode: EPA Method 8015M/D: Diesel Range Organics						
Client ID: PBS	Batch ID: 70192			RunNo: 91028						
Prep Date: 9/15/2022	Analysis Date: 9/15/2022			SeqNo: 3256977	Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	15								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	8.4		10.00		84.2	21	129			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quantitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2209728

20-Sep-22

Client: ENSOLUM
Project: Jones A LS 7

Sample ID: mb	SampType: MBLK		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: PBS	Batch ID: A91053		RunNo: 91053							
Prep Date:	Analysis Date: 9/15/2022		SeqNo: 3257259		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	930		1000		93.0	37.7	212			

Sample ID: 2.5ug gro lcs	SampType: LCS		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: LCSS	Batch ID: A91053		RunNo: 91053							
Prep Date:	Analysis Date: 9/15/2022		SeqNo: 3257260		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	24	5.0	25.00	0	94.9	72.3	137			
Surr: BFB	1800		1000		183	37.7	212			

Sample ID: 2209728-001ams	SampType: MS		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: S-34	Batch ID: A91053		RunNo: 91053							
Prep Date:	Analysis Date: 9/15/2022		SeqNo: 3257261		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	150	20	101.2	41.82	102	70	130			
Surr: BFB	8800		4049		218	37.7	212			S

Sample ID: 2209728-001amsd	SampType: MSD		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: S-34	Batch ID: A91053		RunNo: 91053							
Prep Date:	Analysis Date: 9/15/2022		SeqNo: 3257262		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	140	20	101.2	41.82	102	70	130	0.195	20	
Surr: BFB	9200		4049		228	37.7	212	0	0	S

Qualifiers:

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D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quantitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2209728

20-Sep-22

Client: ENSOLUM
Project: Jones A LS 7

Sample ID: mb	SampType: MBLK		TestCode: EPA Method 8021B: Volatiles							
Client ID: PBS	Batch ID: C91053		RunNo: 91053							
Prep Date:	Analysis Date: 9/15/2022		SeqNo: 3257337		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	0.88		1.000		88.4	70	130			

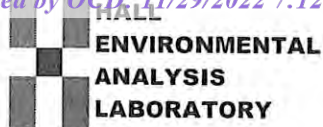
Sample ID: 100ng btex lcs	SampType: LCS		TestCode: EPA Method 8021B: Volatiles							
Client ID: LCSS	Batch ID: C91053		RunNo: 91053							
Prep Date:	Analysis Date: 9/15/2022		SeqNo: 3257338		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.88	0.025	1.000	0	87.9	80	120			
Toluene	0.91	0.050	1.000	0	90.7	80	120			
Ethylbenzene	0.90	0.050	1.000	0	89.8	80	120			
Xylenes, Total	2.7	0.10	3.000	0	89.6	80	120			
Surr: 4-Bromofluorobenzene	0.89		1.000		88.7	70	130			

Sample ID: 2209728-002ams	SampType: MS		TestCode: EPA Method 8021B: Volatiles							
Client ID: S-35	Batch ID: C91053		RunNo: 91053							
Prep Date:	Analysis Date: 9/15/2022		SeqNo: 3257340		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.61	0.018	0.7067	0	86.9	68.8	120			
Toluene	0.64	0.035	0.7067	0.009258	89.2	73.6	124			
Ethylbenzene	0.64	0.035	0.7067	0	90.2	72.7	129			
Xylenes, Total	1.9	0.071	2.120	0.02664	88.8	75.7	126			
Surr: 4-Bromofluorobenzene	0.62		0.7067		88.3	70	130			

Sample ID: 2209728-002amsd	SampType: MSD		TestCode: EPA Method 8021B: Volatiles							
Client ID: S-35	Batch ID: C91053		RunNo: 91053							
Prep Date:	Analysis Date: 9/15/2022		SeqNo: 3257341		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.62	0.018	0.7067	0	88.1	68.8	120	1.37	20	
Toluene	0.65	0.035	0.7067	0.009258	90.1	73.6	124	0.923	20	
Ethylbenzene	0.65	0.035	0.7067	0	91.5	72.7	129	1.46	20	
Xylenes, Total	1.9	0.071	2.120	0.02664	89.6	75.7	126	0.954	20	
Surr: 4-Bromofluorobenzene	0.63		0.7067		88.7	70	130	0	0	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
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Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: ENSOLUM

Work Order Number: 2209728

RcptNo: 1

Received By: Juan Rojas

9/15/2022 7:35:00 AM

Completed By: Sean Livingston

9/15/2022 8:03:39 AM

Reviewed By: *[Signature]* 9.15.22Chain 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 $>0^{\circ}\text{C}$ 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?
(Note discrepancies on chain of custody) Yes ☒ No ☐
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?
(If no, notify customer for authorization.) Yes ☒ No ☐

of preserved
bottles checked
for pH:

(<2 or >12 unless noted)

Adjusted?

Checked by: *ju9/15/22*

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 $^{\circ}\text{C}$	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	3.9	Good				

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 161898

CONDITIONS

Operator: Enterprise Field Services, LLC PO Box 4324 Houston, TX 77210	OGRID: 241602
	Action Number: 161898
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
nvelez	None	12/9/2022