

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: <b>Enterprise Field Services, LLC</b>	OGRID: <b>241602</b>
Contact Name: <b>Thomas Long</b>	Contact Telephone: <b>505-599-2286</b>
Contact email: <b>tjlong@eprod.com</b>	Incident # (assigned by OCD) <b>nAPP2219534654</b>
Contact mailing address: <b>614 Reilly Ave, Farmington, NM 87401</b>	

### Location of Release Source

Latitude **36.307095** Longitude **-107.338804** (NAD 83 in decimal degrees to 5 decimal places)

Site Name : <b>A New Dawn DK/GL</b>	Site Type <b>Natural Gas Gathering Pipeline</b>
Date Release Discovered: <b>07/12/2022</b>	Serial Number (if applicable): <b>N/A</b>

Unit Letter	Section	Township	Range	County
<b>M</b>	<b>14</b>	<b>24N</b>	<b>5W</b>	<b>Rio Arriba</b>

Surface Owner: ☐ State ☐ Federal ☒ Tribal ☐ Private (Name: **Jicarilla Apache Tribe**)

### 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): <b>Estimated 10-15 BBLS</b>	Volume Recovered (bbls): <b>None</b>
<input checked="" type="checkbox"/> Natural Gas	Volume Released (Mcf): <b>42.42 MCF</b>	Volume Recovered (Mcf): <b>None</b>
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units):	Volume/Weight Recovered (provide units)

**Cause of Release:** On July 12, 2022, Enterprise had a release of natural gas and natural gas liquids from the A New Dawn DK/GL pipeline. The pipeline was isolated, depressurized, locked and tagged out. Release liquids impacted an area of approximately 100 feet long by 30 feet wide. No washes were affected. No fire nor injuries occurred. Remediation and repairs were completed on July 27, 2022. The final excavation dimensions measured approximately 23 feet long by 12 feet wide by 16 feet deep. The flow path excavation measured approximately 100 feet long and 35 feet wide by five feet deep. Approximately 2,678 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: 6-12-2023

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

### OCD Only

Received by: \_\_\_\_\_ Date: \_\_\_\_\_

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

Closure Approved by:  Date: 06/13/2023

Printed Name: Nelson Velez Title: Environmental Specialist – Adv



## CLOSURE REPORT

Property:

**A New Dawn DK/GL (07/12/22)**  
Unit Letter M, S14 T24N R5W  
Rio Arriba County, New Mexico

**New Mexico EMNRD OCD Incident ID No. NAPP2219534654**

**October 13, 2022**

Ensolum Project No. 05A1226199

Prepared for:

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

Prepared by:

Raneer Deechilly  
Project Manager

Kyle Summers  
Senior Managing Geologist

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## 1.0 INTRODUCTION

### 1.1 Site Description & Background

<b>Operator:</b>	Enterprise Field Services, LLC / Enterprise Products Operating LLC (Enterprise)
<b>Site Name:</b>	A New Dawn DK/GL (07/12/22) (Site)
<b>NM EMNRD OCD Incident ID No.</b>	NAPP2219534654
<b>Location:</b>	36.307095° North, 107.338804° West Unit Letter M, Section 14, Township 24 North, Range 5 West Rio Arriba County, New Mexico
<b>Property:</b>	Jicarilla Apache Nation
<b>Regulatory:</b>	Jicarilla Apache Nation Environmental Protection Office (JAN-EPO)

On July 12, 2022, Enterprise personnel discovered of a release of natural gas from the A New Dawn DK/GL pipeline. Enterprise verified the release and subsequently isolated and locked the pipeline out of service. On July 14, 2022, Enterprise initiated activities to remediate petroleum hydrocarbon impact.

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

### 1.2 Project Objective

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

## 2.0 CLOSURE CRITERIA

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

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

- The Site is located within 300 feet of a NM EMNRD OCD-defined continuously flowing watercourse or significant watercourse. The Site is approximately 270 feet southeast of an ephemeral wash (**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 fresh water wells used by less than five households for domestic or stock watering purposes were identified within 500 feet of the Site (**Figure E, Appendix B**).
- No fresh water wells or springs were identified within 1,000 feet of the Site (**Figure E, Appendix B**).
- The Site is not located within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance adopted pursuant to New Mexico Statutes Annotated (NMSA) 1978, Section 3-27-3.
- Based on information identified in the U.S. Fish & Wildlife Service National Wetlands Inventory Wetlands Mapper, the Site is not 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, data is unavailable for the Jicarilla Apache Reservation. Though, it is unlikely the Site is within a 100-year floodplain (**Figure H, Appendix B**).

Based on available information, the applicable closure criteria for soils remaining in place at the Site include:

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

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

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

<sup>3</sup> – Benzene, Toluene, Ethylbenzene, and Total Xylenes (BTEX).

### 3.0 SOIL REMEDIATION ACTIVITIES

On July 14, 2022, Enterprise initiated activities to remediate petroleum hydrocarbon impact resulting from the release. During the remediation and corrective action activities, OFT Construction Inc (OFT), provided heavy equipment and labor support, while Ensolum provided environmental consulting support.

The final primary pipeline excavation measured approximately 23 feet long and 12 feet wide at the maximum extents. The maximum depth of the excavation measured approximately 16 feet bgs. The flow path excavation measured approximately 100 feet long and 35 feet wide at the maximum extents. The maximum depth of the flow path measured approximately five feet bgs. The lithology encountered during the completion of remediation activities consisted primarily of unconsolidated silty sandy clay underlain by sandstone and weathered shale.

Approximately 2,678 cubic yards (yd<sup>3</sup>) of petroleum hydrocarbon-affected soils 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 JAN-EPO approved native fill and then contoured to the surrounding grade.

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

### 4.0 SOIL SAMPLING PROGRAM

Ensolum field screened the soil samples from the excavation utilizing a calibrated Dexsil PetroFLAG<sup>®</sup> 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 10 composite soil samples (S-1 through S-8, S-1A, and S-5A) from the primary pipeline excavation for laboratory analysis. In addition, 25 composite soil samples (FP-1 through FP-18 and FPW-1 through FPW-7) were collected from the flow path excavation and were submitted for laboratory analysis. The composite samples were comprised of five aliquots each and represent an estimated 200 square foot (ft<sup>2</sup>) sample area or less per guidelines outlined in Section D of 19.15.29.12 NMAC. Hand tools and an excavator, operated by OFT, were utilized to obtain fresh aliquots from each area of the excavation. Regulatory correspondence is provided in **Appendix E**.

#### **First Sampling Event**

On July 19, 2022, the first sampling event was performed at the Site. A JAN-EPO representative was present during sampling activities. Composite soil sample S-1 (16') was collected from the floor of the primary pipeline excavation. Composite soil samples S-2 (5'-16'), S-3 (0'-16'), S-4 (0'-16'), S-5 (8'-16'), and S-6 (0'-8') were collected from the walls of the primary excavation. Subsequent soil analytical results identified COC concentrations that exceeded the NM EMNRD OCD closure criteria for composite soil samples S-1 and S-5. In response to the exceedances the excavation was extended. Impacted soil associated with samples S-1 and S-5 was removed by excavation and transported to the landfarm for disposal/remediation.

#### **Second Sampling Event**

On July 21, 2022, a second sampling event was performed. A JAN-EPO representative was present during sampling activities. Composite soil samples S-1A (17') and S-5A (8'-16') were collected from the excavation to replace samples S-1 and S-5 that had exceeded closure criteria standards. Composite soil samples S-7 (0'-16') and S-8 (0'-16') were collected from the walls of

the primary pipeline excavation. Composite soil samples FP-1 through FP-8, all with depths of four feet bgs, were collected from the floor of the flow path excavation. Composite soil samples FPW-1 (0' to 4') and FPW-2 (0' to 4') were collected from the walls of the flow path excavation.

### **Third Sampling Event**

On July 27, 2022, a third sampling event was performed. A JAN-EPO representative was present during sampling activities. Composite soil samples FP-9 through FP-18, all with depths of five feet bgs, were collected from the floor of the flow path excavation. Composite soil samples FPW-3 through FPW-7, all with depths of (0'-5'), were collected from the walls of the flow path 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 BTEX, TPH, and chloride laboratory analytical results or laboratory practical quantitation limits (PQLs) / reporting limits (RLs) associated with the composite soil samples (S-1A, S-2, S-3, S-4, S-5A, S-6, S-7, S-8, FP-1 through FP-18, and FPW-1 through FPW-7) to the Tier I NM EMNRD OCD closure criteria. The impacted soils associated with composite soil samples S-1 and S-5 were removed from the Site, and therefore, are not included in the following discussion. The laboratory analytical results are summarized in **Table 1 (Appendix F)**.

- The laboratory analytical results for all composite soil samples collected from soils remaining at the Site indicate benzene is not present at concentrations greater than the laboratory PQLs/RLs, which are less than the NM EMNRD OCD closure criteria of 10 mg/kg.
- The laboratory analytical result for composite soil sample S-5A indicates a total BTEX concentration of 0.13 mg/kg, which is below the NM EMNRD OCD closure criteria of 50 mg/kg. The laboratory analytical results for all other composite soil samples collected from soils remaining at the Site indicate total BTEX is not present at concentrations greater than the laboratory PQLs/RLs, which are less than the NM EMNRD OCD closure criteria of 50 mg/kg.
- The laboratory analytical results for composite soil samples S-7, FP-1, and FP-15 indicate combined TPH GRO/DRO/MRO concentrations of 32 mg/kg, 18 mg/kg, and 29 mg/kg, respectively, which are below the NM EMNRD OCD closure criteria of 50 mg/kg. The laboratory analytical results for all other composite soil samples collected from soils remaining at the Site indicate combined TPH GRO/DRO/MRO is not present at concentrations greater than the laboratory PQLs/RLs, which are less than the New Mexico EMNRD OCD closure criteria of 100 mg/kg.

- The laboratory analytical result for composite soil sample S-2 indicates a chloride concentration of 180 mg/kg, which is below the NM EMNRD OCD closure criteria of 600 mg/kg. The laboratory analytical results for all other composite soil samples collected from soils remaining at the Site indicate chloride is not present at concentrations greater than the laboratory PQLs/RLs, which are less than the New Mexico EMNRD OCD closure criteria of 600 mg/kg.

## 7.0 RECLAMATION AND REVEGETATION

The excavation was backfilled with JAN-EPO approved native fill and then contoured to the surrounding grade. Enterprise will re-seed the Site with an approved seeding mixture.

## 8.0 FINDINGS AND RECOMMENDATION

- Thrity-five composite soil samples were collected from the Site. Based on laboratory analytical results for soils remaining at the Site, benzene, total BTEX, combined TPH GRO/DRO/MRO, and chloride concentrations are below the New Mexico EMNRD OCD closure criteria.
- Approximately 2,678 yd<sup>3</sup> of petroleum hydrocarbon-affected soils were transported to the Envirotech landfarm for disposal/remediation. The excavation was backfilled with JAN-EPO approved native fill and then contoured to the surrounding grade.

**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.

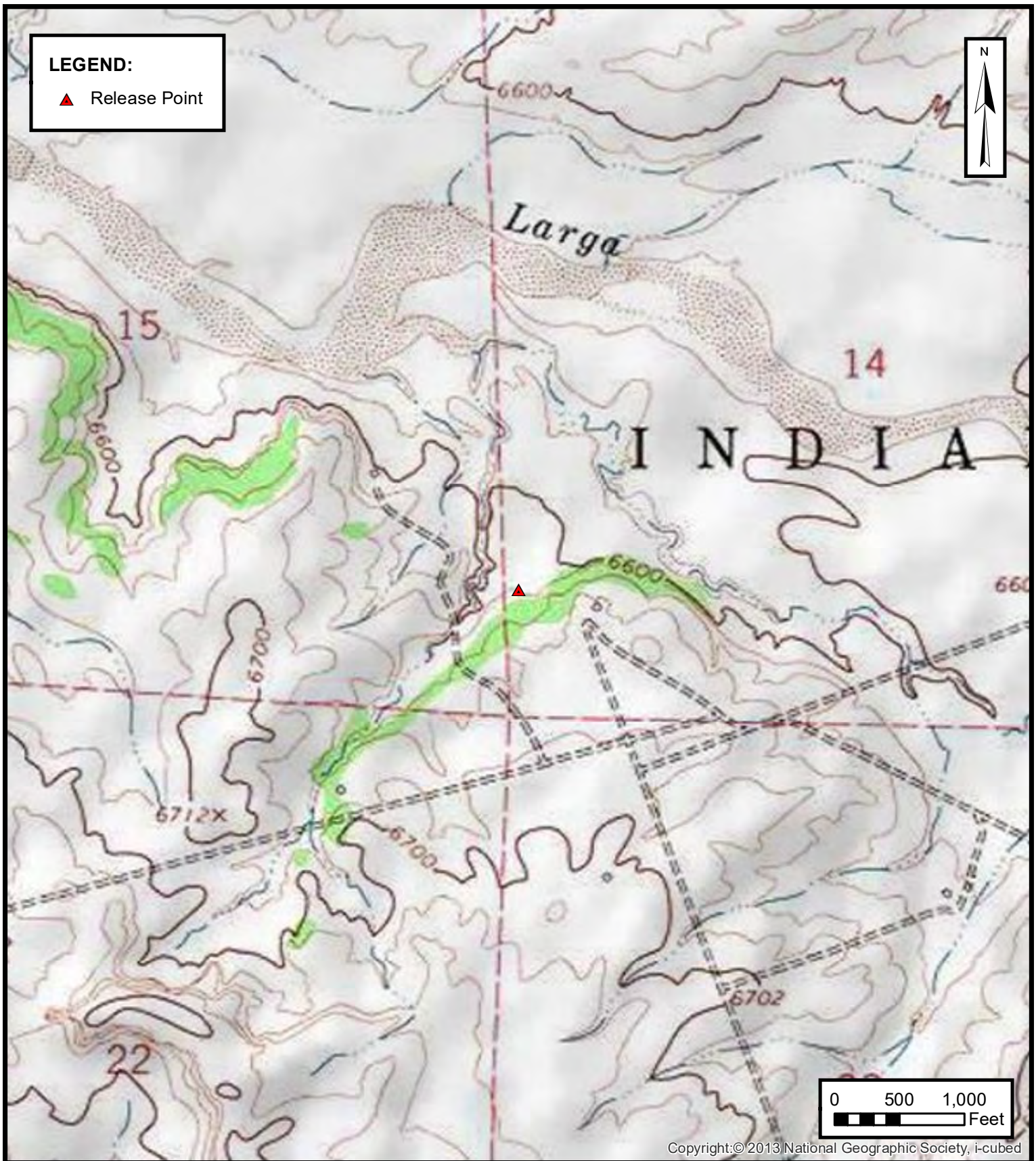


# APPENDIX A

## Figures

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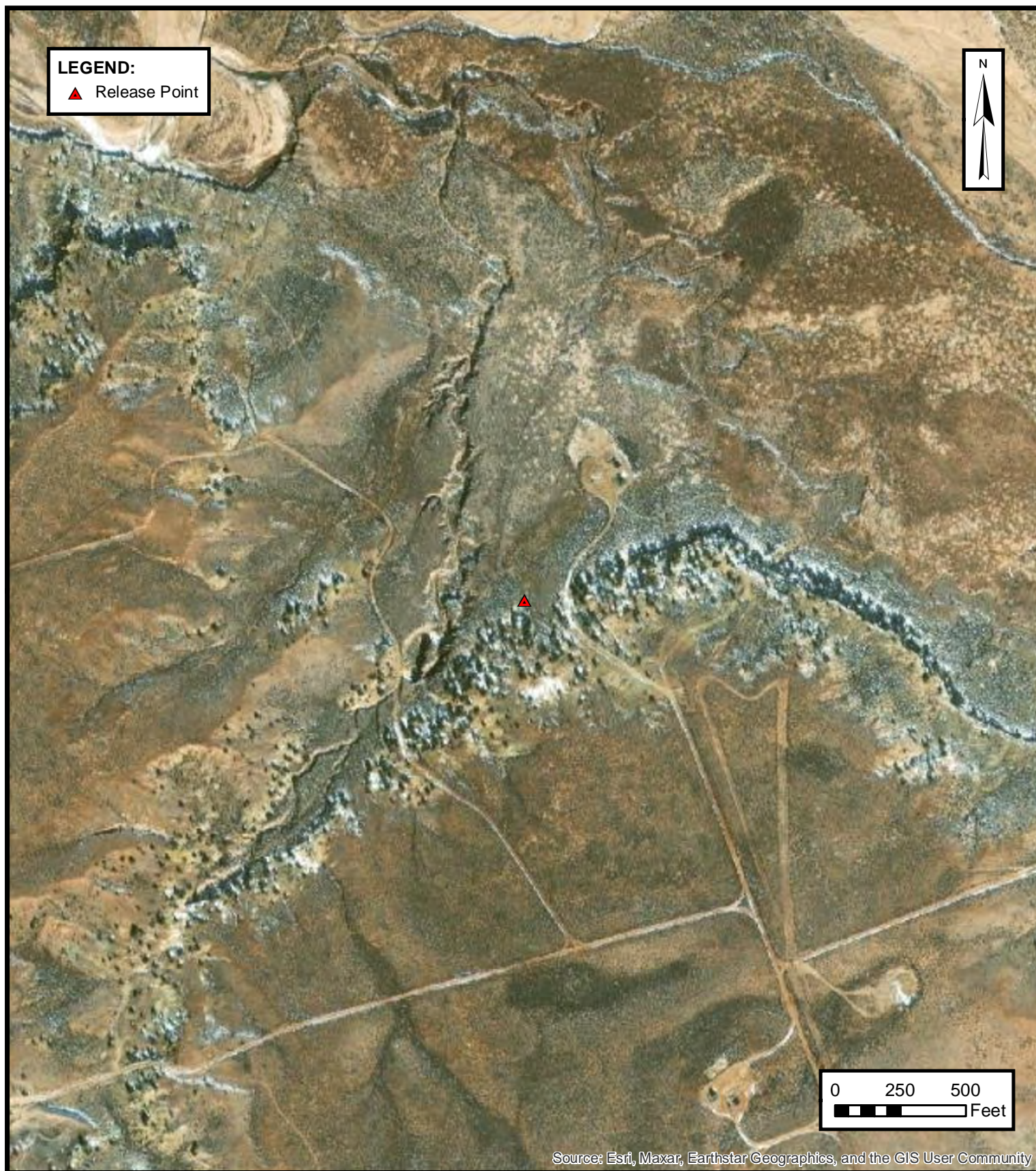
**TOPOGRAPHIC MAP**

ENTERPRISE FIELD SERVICES, LLC  
A NEW DAWN DK/GL (07/12/22)  
Unit Letter M, S14 T24N R5W, Rio Arriba County, New Mexico  
36.307095° N, 107.338804° W

PROJECT NUMBER: 05A1226194

**FIGURE****1**



**SITE VICINITY MAP**

ENTERPRISE FIELD SERVICES, LLC  
A NEW DAWN DK/GL (07/12/22)  
Unit Letter M, S14 T24N R5W, Rio Arriba County, New Mexico  
36.307095° N, 107.338804° W

PROJECT NUMBER: 05A1226194

**FIGURE****2**





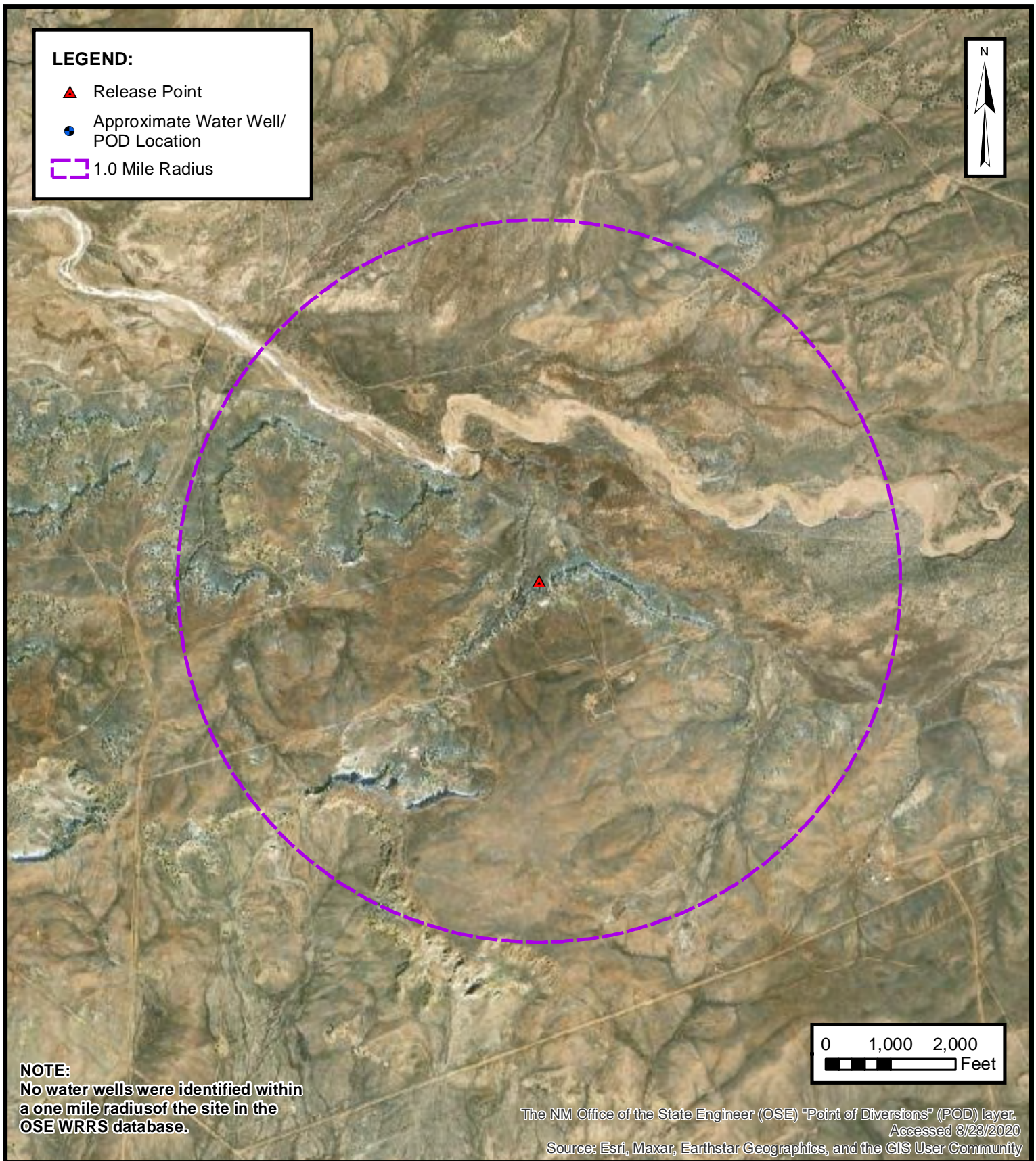


## APPENDIX B

### Siting Figures and Documentation

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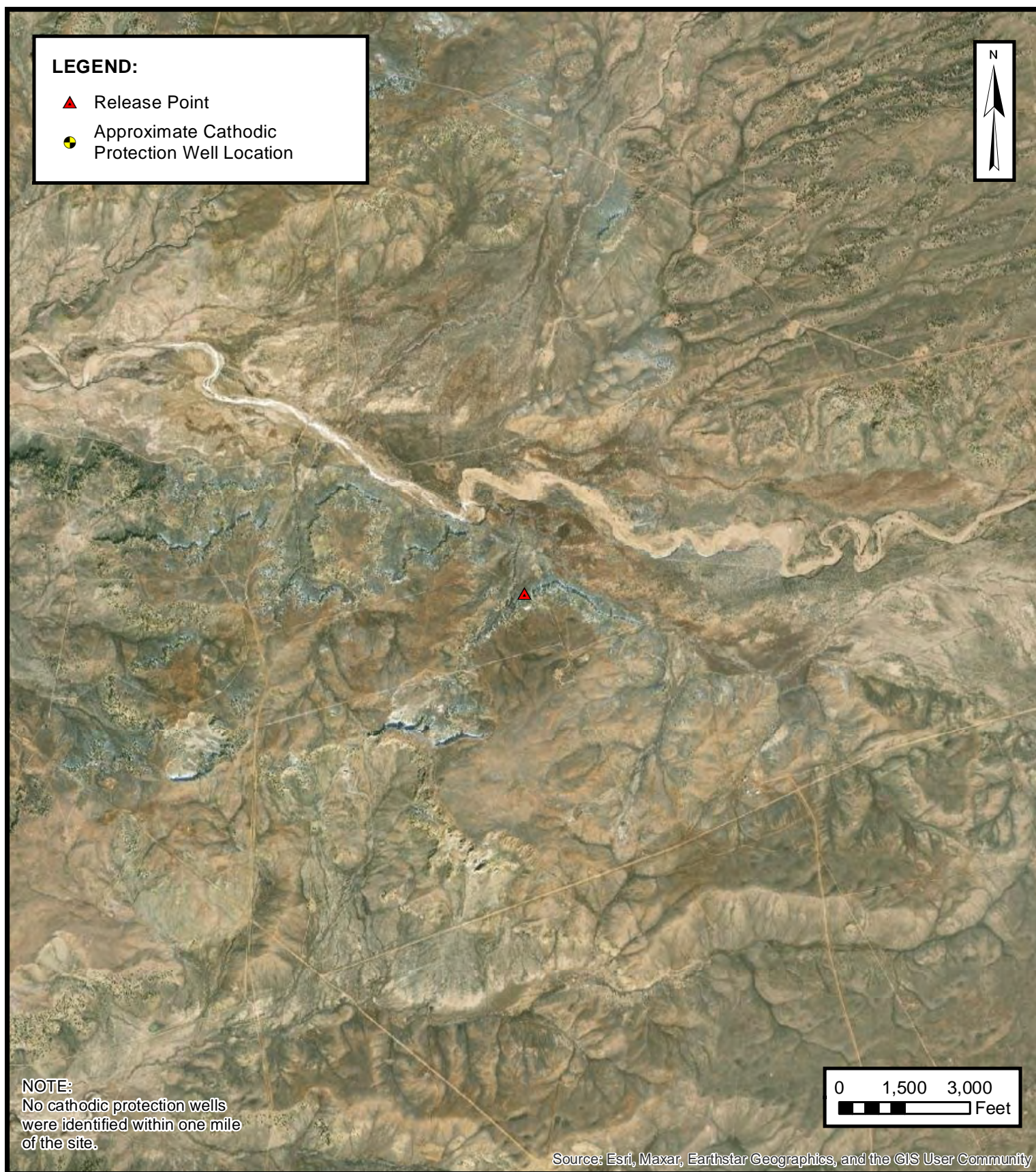
### 1.0 MILE RADIUS WATER WELL/ POD LOCATION MAP

ENTERPRISE FIELD SERVICES, LLC  
A NEW DAWN DK/GL (07/12/22)  
Unit Letter M, S14 T24N R5W, Rio Arriba County, New Mexico  
36.307095° N, 107.338804° W

PROJECT NUMBER: 05A1226194

**FIGURE**  
**A**





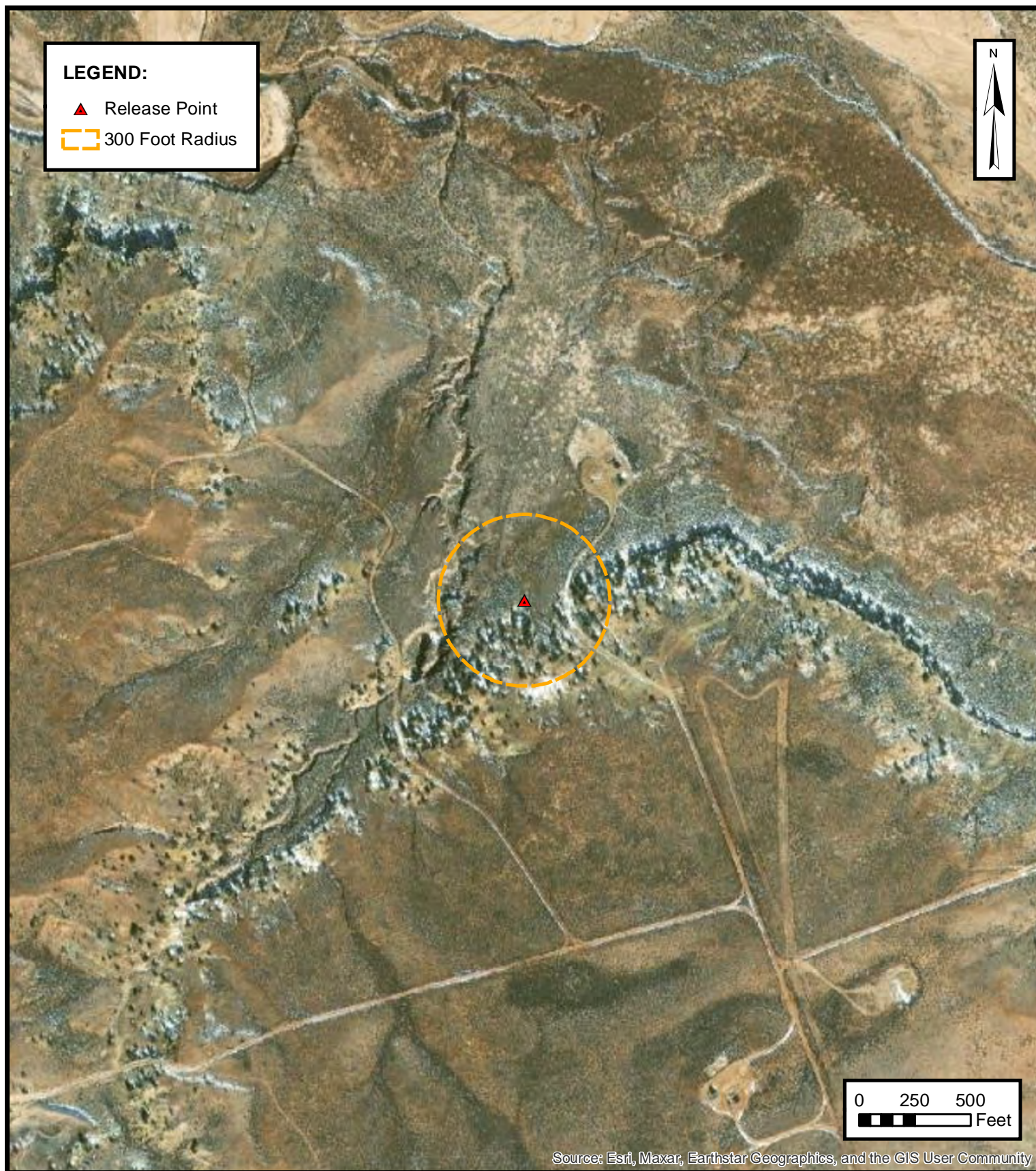
**CATHODIC PROTECTION WELL RECORDED  
DEPTH TO WATER**

ENTERPRISE FIELD SERVICES, LLC  
A NEW DAWN DK/GL (07/12/22)  
Unit Letter M, S14 T24N R5W, Rio Arriba County, New Mexico  
36.307095° N, 107.338804° W

PROJECT NUMBER: 05A1226194

**FIGURE  
B**





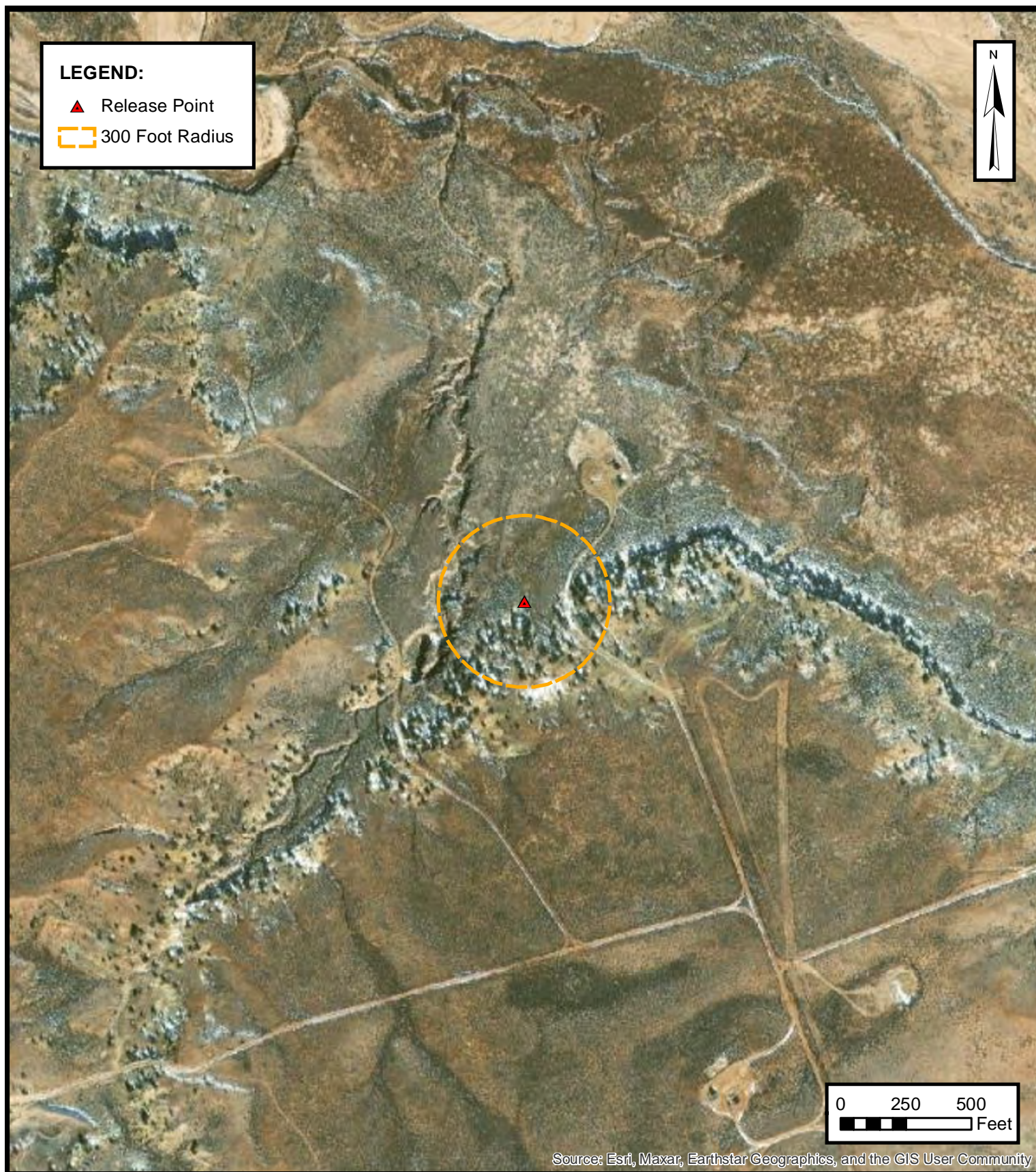
**300 FOOT RADIUS  
WATERCOURSE AND DRAINAGE IDENTIFICATION**

ENTERPRISE FIELD SERVICES, LLC  
A NEW DAWN DK/GL (07/12/22)  
Unit Letter M, S14 T24N R5W, Rio Arriba County, New Mexico  
36.307095° N, 107.338804° W

PROJECT NUMBER: 05A1226194

**FIGURE  
C**





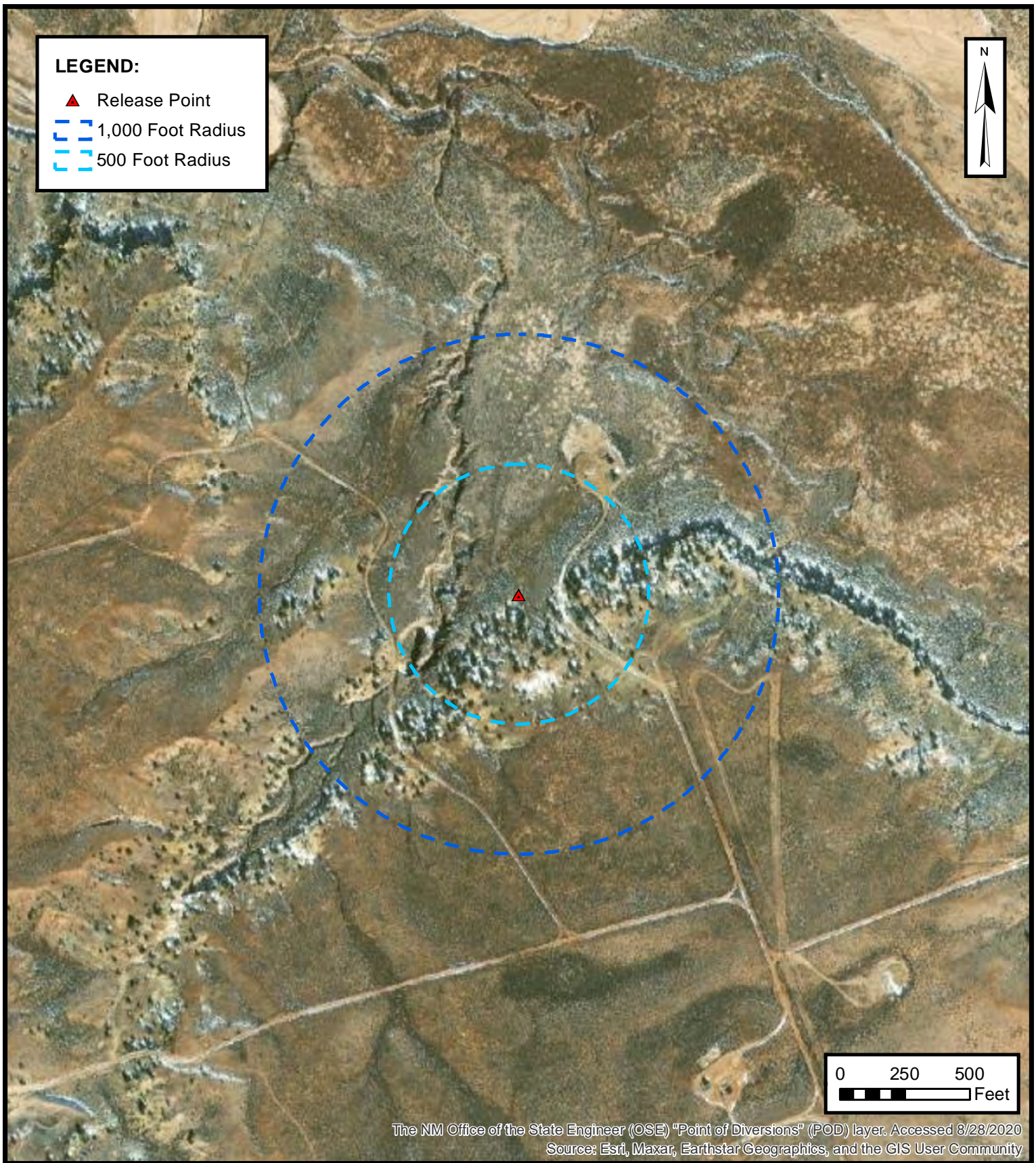
**300 FOOT RADIUS  
OCCUPIED STRUCTURE IDENTIFICATION**

ENTERPRISE FIELD SERVICES, LLC  
A NEW DAWN DK/GL (07/12/22)  
Unit Letter M, S14 T24N R5W, Rio Arriba County, New Mexico  
36.307095° N, 107.338804° W

PROJECT NUMBER: 05A1226194

**FIGURE  
D**



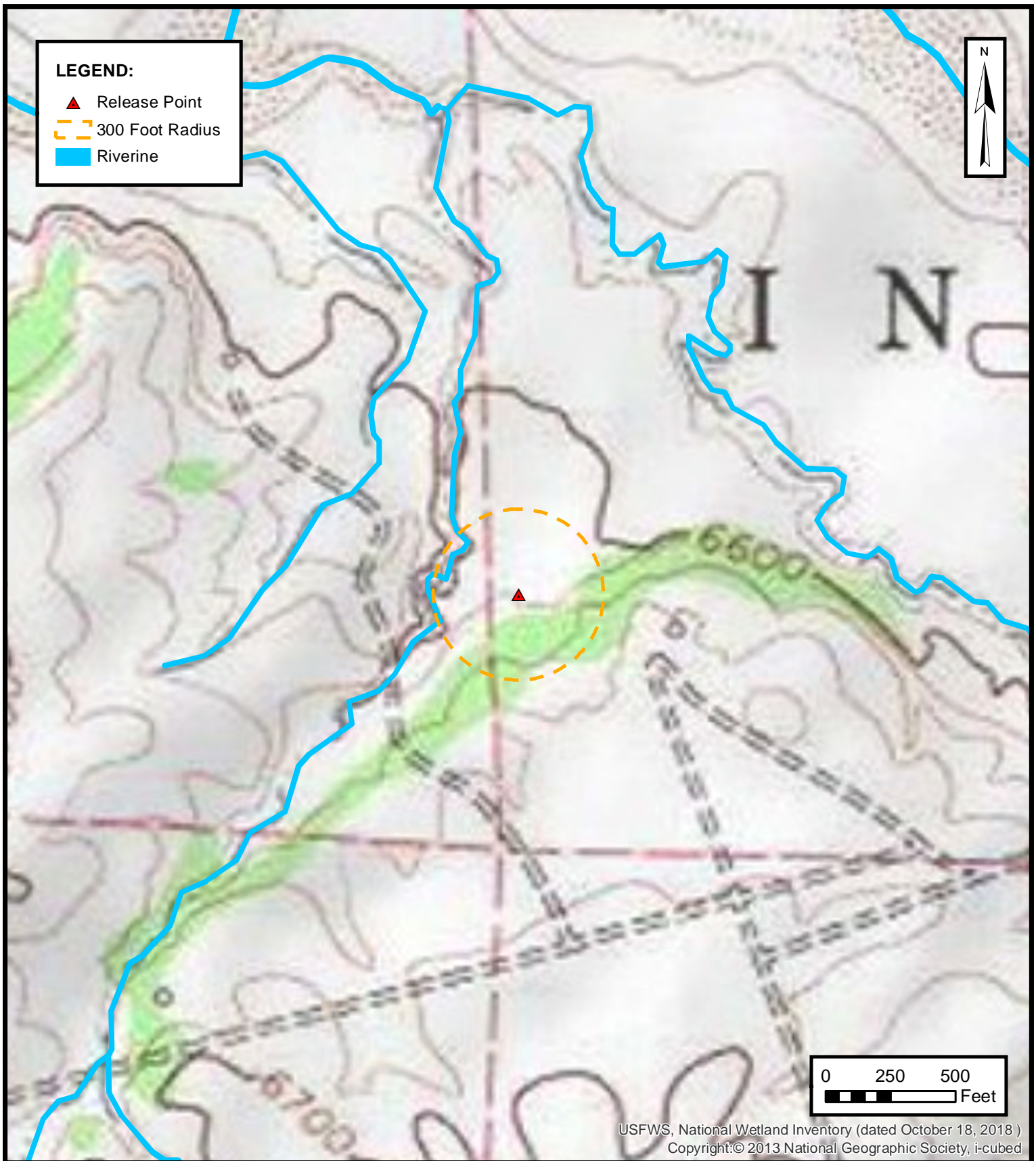
**WATER WELL AND NATURAL SPRING LOCATION**

ENTERPRISE FIELD SERVICES, LLC  
A NEW DAWN DK/GL (07/12/22)  
Unit Letter M, S14 T24N R5W, Rio Arriba County, New Mexico  
36.307095° N, 107.338804° W

PROJECT NUMBER: 05A1226194

**FIGURE**  
**E**



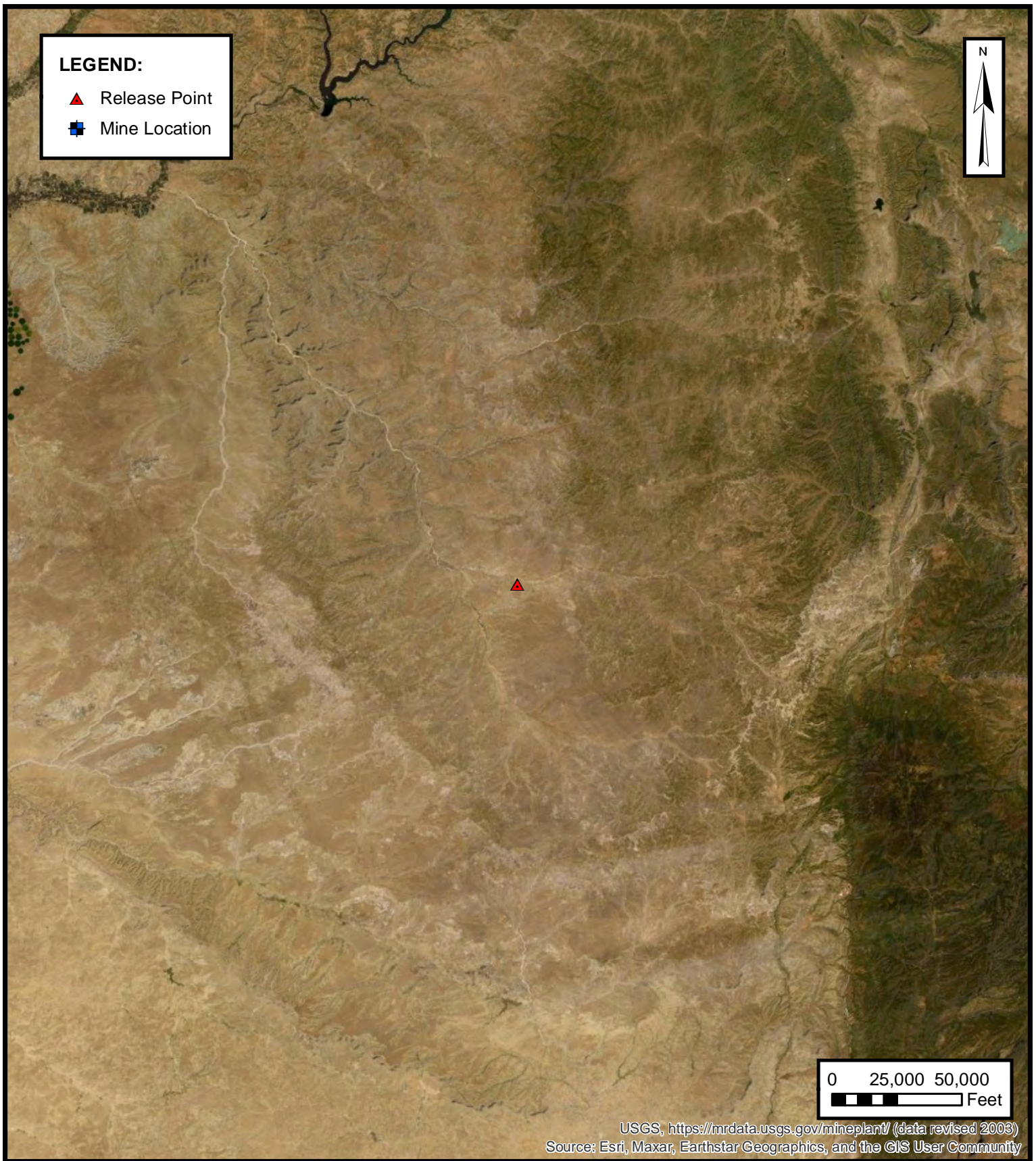
**WETLANDS**

ENTERPRISE FIELD SERVICES, LLC  
A NEW DAWN DK/GL (07/12/22)  
Unit Letter M, S14 T24N R5W, Rio Arriba County, New Mexico  
36.307095° N, 107.338804° W

PROJECT NUMBER: 05A1226194

**FIGURE**  
**F**



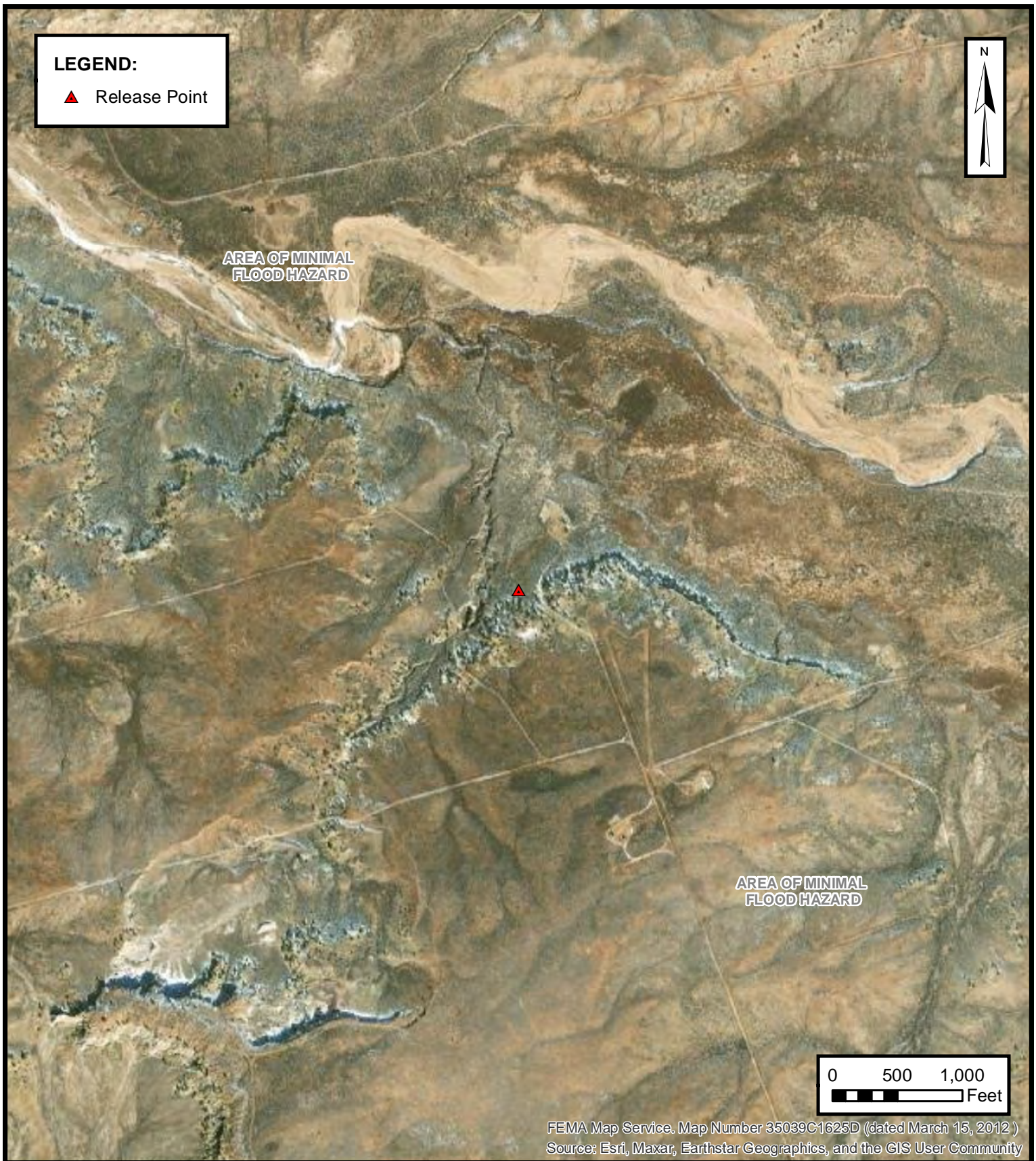
**MINES, MILLS AND QUARRIES**

ENTERPRISE FIELD SERVICES, LLC  
A NEW DAWN DK/GL (07/12/22)  
Unit Letter M, S14 T24N R5W, Rio Arriba County, New Mexico  
36.307095° N, 107.338804° W

PROJECT NUMBER: 05A1226194

**FIGURE****G**





**100-YEAR FLOOD PLAIN MAP**

ENTERPRISE FIELD SERVICES, LLC  
A NEW DAWN DK/GL (07/12/22)  
Unit Letter M, S14 T24N R5W, Rio Arriba County, New Mexico  
36.307095° N, 107.338804° W

PROJECT NUMBER: 05A1226194

**FIGURE**  
**H**



# New Mexico Office of the State Engineer

## Water Column/Average Depth to Water

---

No records found.

### PLSS Search:

**Section(s):** 14, 10, 11, 12,  
13, 15, 22, 23,  
24      **Township:** 24N      **Range:** 05W

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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.

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8/3/22 12:08 PM

Page 1 of 1

WATER COLUMN/ AVERAGE  
DEPTH TO WATER



## 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.

97059-1125

## REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

<b>1. Generator Name and Address:</b> Enterprise Field Services, LLC, 614 Reilly Ave, Farmington NM 87401	<b>PayKey:</b> EM20767 <b>PM:</b> Dwayne Dixon <b>AFE:</b> Pending
<b>2. Originating Site:</b> A New Dawn DK/GL/Lateral 2C-66	
<b>3. Location of Material (Street Address, City, State or ULSTR):</b> UL -M Section 14 T24N R5W; 36.307095, -107.33880	
<b>4. Source and Description of Waste:</b> Source: Remediation activities associated with a natural gas pipeline leak. Description: Hydrocarbon/Condensate impacted soil associated natural gas pipeline release. Estimated Volume <u>50</u> yd <sup>3</sup> / bbls Known Volume (to be entered by the operator at the end of the haul) <u>2678</u> yd <sup>3</sup> bbls	
<b>5. GENERATOR CERTIFICATION STATEMENT OF WASTE STATUS</b>  I, Thomas Long <i>Thomas Long</i> , representative or authorized agent for Enterprise Products Operating do hereby <b>Generator Signature</b> 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)  <input checked="" type="checkbox"/> RCRA Exempt: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste. <u>Operator Use Only: Waste Acceptance Frequency</u> <input type="checkbox"/> Monthly <input type="checkbox"/> Weekly <input type="checkbox"/> Per Load  <input type="checkbox"/> 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)  <input type="checkbox"/> MSDS Information <input type="checkbox"/> RCRA Hazardous Waste Analysis <input type="checkbox"/> Process Knowledge <input type="checkbox"/> Other (Provide description in Box 4)	
<b>GENERATOR 19.15.36.15 WASTE TESTING CERTIFICATION STATEMENT FOR LANDFARMS</b>  I, Thomas Long <i>Thomas Long</i> 7-13-2022, representative for Enterprise Products Operating authorizes <u>Envirotech, Inc.</u> to complete <b>Generator Signature</b> the required testing/sign the Generator Waste Testing Certification.  I, <u>Greg Crabtree</u> , representative for <u>Envirotech, Inc.</u> 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.	
<b>5. Transporter: TBD</b>	

### OCD Permitted Surface Waste Management Facility

Name and Facility Permit #: **Envirotech Inc. Soil Remediation Facility** \* Permit #: NM 01-0011

Address of Facility: **Hilltop, NM**

Method of Treatment and/or Disposal:

☐ Evaporation ☐ Injection ☐ Treating Plant ☒ Landfarm ☐ Landfill ☐ Other

Waste Acceptance Status:

☐ APPROVED

☐ DENIED (Must Be Maintained As Permanent Record)

PRINT NAME: Greg Crabtree

TITLE: Enviro Manager

DATE: 7/13/22

SIGNATURE: [Signature]

TELEPHONE NO.:

505-632-0615

Surface Waste Management Facility Authorized Agent



## APPENDIX D

# Photographic Documentation

## SITE PHOTOGRAPHS

Closure Report  
Enterprise Field Services, LLC  
A New Dawn DK/GL (07/12/22)  
Ensolum Project No. 05A1226199

**Photograph 1**

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

**Photograph 2**

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

**Photograph 3**

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





## SITE PHOTOGRAPHS

Closure Report  
Enterprise Field Services, LLC  
A New Dawn DK/GL (07/12/22)  
Ensolum Project No. 05A1226199

**Photograph 4**

Photograph Description: View of the final pipeline excavation.

**Photograph 5**

Photograph Description: View of the final flow path excavation.

**Photograph 6**

Photograph Description: View of the site after initial restoration.



## SITE PHOTOGRAPHS

Closure Report  
Enterprise Field Services, LLC  
A New Dawn DK/GL (07/12/22)  
Ensolum Project No. 05A1226199



### Photograph 7

Photograph Description: View of the site after initial restoration.





## APPENDIX E

### Regulatory Correspondence

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**From:** [Kyle Summers](#)  
**To:** [Chad D"Aponti](#)  
**Cc:** [Ranee Deechilly](#)  
**Subject:** FW: [EXTERNAL] Re: A New Dawn DK/GL - UL -M Section 14 T24N R5W; 36.307095°, -107.338804  
**Date:** Tuesday, July 26, 2022 10:27:29 AM  
**Attachments:** [image003.png](#)  
[image004.png](#)  
[image005.png](#)

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**Kyle Summers**

Principal

903-821-5603

**Ensolum, LLC**

in f

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**From:** Long, Thomas <tjlong@eprod.com>  
**Sent:** Tuesday, July 26, 2022 10:17 AM  
**To:** Yahoo Warning <kcmanwell@yahoo.com>  
**Cc:** Velez, Nelson, EMNRD <Nelson.Velez@state.nm.us>; Stone, Brian <bmstone@eprod.com>; Kyle Summers <ksummers@ensolum.com>  
**Subject:** FW: [EXTERNAL] Re: A New Dawn DK/GL - UL -M Section 14 T24N R5W; 36.307095°, -107.338804

[ \*\*EXTERNAL EMAIL\*\* ]

Keith,

This email is a notification that Enterprise will be collecting soil samples for laboratory analysis tomorrow July 27, 2022 at 10:00 a.m. If you have any questions, please call or email.

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



Enterprise  
Products

---

**From:** Long, Thomas  
**Sent:** Monday, July 25, 2022 7:25 AM



**To:** 'Yahoo Warning' <[kcmanwell@yahoo.com](mailto:kcmanwell@yahoo.com)>  
**Cc:** Kyle Summers <[ksummers@ensolum.com](mailto:ksummers@ensolum.com)>; Stone, Brian <[bmstone@eprod.com](mailto:bmstone@eprod.com)>; 'Velez, Nelson, EMNRD' <[Nelson.Velez@state.nm.us](mailto:Nelson.Velez@state.nm.us)>  
**Subject:** FW: [EXTERNAL] Re: A New Dawn DK/GL - UL -M Section 14 T24N R5W; 36.307095°, -107.338804

Keith,

I forgot to attach the second map.

**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)



---

**From:** Long, Thomas  
**Sent:** Monday, July 25, 2022 7:24 AM  
**To:** 'Yahoo Warning' <[kcmanwell@yahoo.com](mailto:kcmanwell@yahoo.com)>  
**Cc:** Stone, Brian <[bmstone@eprod.com](mailto:bmstone@eprod.com)>; 'Velez, Nelson, EMNRD' <[Nelson.Velez@state.nm.us](mailto:Nelson.Velez@state.nm.us)>; Kyle Summers <[ksummers@ensolum.com](mailto:ksummers@ensolum.com)>  
**Subject:** RE: [EXTERNAL] Re: A New Dawn DK/GL - UL -M Section 14 T24N R5W; 36.307095°, -107.338804

Keith,

Please find the attached site map and lab report for the A New Dawn DK/GL. Remediation of the excavation is complete. Half of the flow path is remediated. We still have the second half of the flow path to complete. We are continuing that remediation today. 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)



---

**From:** Yahoo Warning <[kcmanwell@yahoo.com](mailto:kcmanwell@yahoo.com)>  
**Sent:** Thursday, July 21, 2022 9:24 AM  
**To:** Long, Thomas <[tjlong@eprod.com](mailto:tjlong@eprod.com)>  
**Subject:** Re: [EXTERNAL] Re: A New Dawn DK/GL - UL -M Section 14 T24N R5W; 36.307095°, -107.338804

[Use caution with links/attachments]

Thomas Long,

After review of proposed plan to continue with further excavation, JANEPO is in agreement and will continue along with job at hand, thank you for the information.

K.C. Manwell

On Thursday, July 21, 2022, 07:30:18 AM MDT, Long, Thomas <[tjlong@eprod.com](mailto:tjlong@eprod.com)> wrote:

Keith,

Please find the attached site sketch and lab report for the A New Dawn DK/GL excavation. All sample results are below Tier I remediation standards except S-1 with 720 ppm Chloride and S-5 with 265 ppm TPH (95 ppm DRO and 170 ppm MRO). Enterprise will remove the dogleg from the excavation and continue to remediate on the east side wall, the southern side wall and the base of the excavation by excavating additional soil/sandstone. The side walls and base are hard sandstone, if excavation efforts are not successful after resampling, Enterprise requests an in-situ treat of potassium permanganate solution to the areas of the excavation that exceed remediation standards. 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)



---

**From:** Long, Thomas  
**Sent:** Tuesday, July 19, 2022 10:22 AM  
**To:** 'Yahoo Warning' <[kcmanwell@yahoo.com](mailto:kcmanwell@yahoo.com)>  
**Cc:** Stone, Brian <[bmstone@eprod.com](mailto:bmstone@eprod.com)>; 'Velez, Nelson, EMNRD' <[Nelson.Velez@state.nm.us](mailto:Nelson.Velez@state.nm.us)>; Kyle Summers <[ksummers@ensolum.com](mailto:ksummers@ensolum.com)>  
**Subject:** RE: [EXTERNAL] Re: A New Dawn DK/GL - UL -M Section 14 T24N R5W; 36.307095°, -107.338804

Keith,

This email is a follow up to our onsite conversation. Enterprise will be collecting soil samples for laboratory analysis this morning for closure and to evaluate contaminant concentrations to determine if additional remediation is required. 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)



**From:** Yahoo Warning <[kcmanwell@yahoo.com](mailto:kcmanwell@yahoo.com)>  
**Sent:** Wednesday, July 13, 2022 1:01 PM  
**To:** Long, Thomas <[tjlong@eprod.com](mailto:tjlong@eprod.com)>  
**Subject:** [EXTERNAL] Re: A New Dawn DK/GL - UL -M Section 14 T24N R5W; 36.307095°, -107.338804

[Use caution with links/attachments]

After review of proposed plan for A New Dawn DK/GL-UL-M, JANEPO Will issue Enterprise Production approval of plan submitted. Keep in mind that the plan should remain in draft until closure due to the fact that unforeseen circumstances might occur. JANEPO request that Enterprise Production stick to the plan as submitted,

Thank You,

K.C. MANWELL

On Wednesday, July 13, 2022, 08:57:22 AM MDT, Long, Thomas <[tjlong@eprod.com](mailto:tjlong@eprod.com)> wrote:

Keith,

Please find the attached remediation plan for the A New Dawn DK/GL release site. We cleaned up the surface impacts yesterday. Remediation will begin today or tomorrow. I will keep you informed will sampling will occur.

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)



---

**From:** Long, Thomas  
**Sent:** Tuesday, July 12, 2022 2:32 PM  
**To:** 'Yahoo Warning' <[kcmanwell@yahoo.com](mailto:kcmanwell@yahoo.com)>  
**Cc:** Stone, Brian <[bmstone@eprod.com](mailto:bmstone@eprod.com)>  
**Subject:** A New Dawn DK/GL - UL -M Section 14 T24N R5W; 36.307095°, -107.338804

Keith,

This email is a notification that Enterprise had a release of natural gas and condensate on the A New Dawn DK/GL today at approximately 1:00 p.m. An area for approximately 50 feet by 50 feet was affected by the released fluids. The pipeline is was isolated, depressurized, locked and tagged out. No washes affected. Enterprise is mobilizing a crew to recover the fluids as much as practicable. I will submit a remediation plan prior to the repair and remediation activities. 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)



---

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

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**TABLE 1**  
**A New Dawn DK/GL (07/12/22)**  
**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 <sup>1</sup>  (mg/kg)	TPH GRO  (mg/kg)	TPH DRO  (mg/kg)	TPH MRO  (mg/kg)	Total Combined TPH (GRO/DRO/MRO) <sup>1</sup> (mg/kg)	Chloride  (mg/kg)
New Mexico Energy, Mineral & Natural Resources Department Oil Conservation Division Closure Criteria (Tier I)				10	NE	NE	NE	50	NE	NE	NE	100	600
Composite Soil Samples Removed by Excavation and Transported to the Landfarm for Diposal/Remediation													
S-1	7.19.22	C	16	<0.089	<0.18	<0.18	<0.36	ND	<18	<14	<47	ND	720
S-5	7.19.22	C	8 to 16	<0.090	<0.18	<0.18	<0.36	ND	<18	95	170	270	<60
Primary Excavation Composite Soil Samples													
S-1A	7.21.22	C	17	NA	NA	NA	NA	NA	NA	NA	NA	NA	<60
S-2	7.19.22	C	5 to 16	<0.017	<0.035	<0.035	<0.069	ND	<3.5	<15	<49	ND	180
S-3	7.19.22	C	0 to 16	<0.019	<0.038	<0.038	<0.075	ND	<3.8	<14	<48	ND	<60
S-4	7.19.22	C	0 to 16	<0.017	<0.034	<0.034	<0.069	ND	<3.4	<15	<49	ND	<60
S-5A	7.21.22	C	8 to 16	<0.018	<0.036	<0.036	0.13	0.13	<3.6	<14	<47	ND	<59
S-6	7.19.22	C	0 to 8	<0.020	<0.040	<0.040	<0.079	ND	<4.0	<14	<47	ND	<60
S-7	7.21.22	C	0 to 16	<0.089	<0.18	<0.18	<0.36	ND	<18	32	<45	32	<60
S-8	7.21.22	C	0 to 16	<0.018	<0.035	<0.035	<0.070	ND	<3.5	<15	<50	ND	<60
Flow Path Excavation Composite Soil Samples													
FP-1	7.21.22	C	4	<0.016	<0.032	<0.032	<0.064	ND	<3.2	18	<50	18	<60
FP-2	7.21.22	C	4	<0.017	<0.033	<0.033	<0.066	ND	<3.3	<15	<49	ND	<60
FP-3	7.21.22	C	4	<0.018	<0.035	<0.035	<0.070	ND	<3.5	<15	<50	ND	<60
FP-4	7.21.22	C	4	<0.018	<0.036	<0.036	<0.073	ND	<3.6	<15	<49	ND	<60
FP-5	7.21.22	C	4	<0.018	<0.035	<0.035	<0.071	ND	<3.5	<15	<49	ND	<60
FP-6	7.21.22	C	4	<0.018	<0.036	<0.036	<0.072	ND	<3.6	<14	<48	ND	<60
FP-7	7.21.22	C	4	<0.017	<0.034	<0.034	<0.067	ND	<3.4	<14	<47	ND	<60
FP-8	7.21.22	C	4	<0.018	<0.035	<0.035	<0.071	ND	<3.5	<14	<47	ND	<60
FP-9	7.27.22	C	5	<0.019	<0.038	<0.038	<0.077	ND	<3.8	<13	<44	ND	<60
FP-10	7.27.22	C	5	<0.020	<0.039	<0.039	<0.079	ND	<3.9	<14	<48	ND	<60
FP-11	7.27.22	C	5	<0.021	<0.042	<0.042	<0.084	ND	<4.2	<15	<49	ND	<60
FP-12	7.27.22	C	5	<0.020	<0.039	<0.039	<0.079	ND	<3.9	<15	<49	ND	<60
FP-13	7.27.22	C	5	<0.017	<0.033	<0.033	<0.067	ND	<3.3	<15	<49	ND	<60



**TABLE 1**  
A New Dawn DK/GL (07/12/22)  
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 <sup>1</sup>  (mg/kg)	TPH GRO  (mg/kg)	TPH DRO  (mg/kg)	TPH MRO  (mg/kg)	Total Combined TPH (GRO/DRO/MRO) <sup>1</sup> (mg/kg)	Chloride  (mg/kg)
New Mexico Energy, Mineral & Natural Resources Department Oil Conservation Division Closure Criteria (Tier I)				10	NE	NE	NE	50	NE	NE	NE	100	600
FP-14	7.27.22	C	5	<0.019	<0.039	<0.039	<0.078	ND	<3.9	<15	<50	ND	<60
FP-15	7.27.22	C	5	<0.017	<0.035	<0.035	<0.070	ND	<3.5	29	<49	29	<60
FP-16	7.27.22	C	5	<0.021	<0.043	<0.043	<0.085	ND	<4.3	<14	<48	ND	<60
FP-17	7.27.22	C	5	<0.018	<0.037	<0.037	<0.074	ND	<3.7	<15	<49	ND	<60
FP-18	7.27.22	C	5	<0.019	<0.037	<0.037	<0.075	ND	<3.7	<15	<50	ND	<60
FPW-1	7.21.22	C	0 to 4	<0.018	<0.036	<0.036	<0.073	ND	<3.6	<14	<48	ND	<60
FPW-2	7.21.22	C	0 to 4	<0.017	<0.034	<0.034	<0.068	ND	<3.4	<14	<47	ND	<61
FPW-3	7.27.22	C	0 to 5	<0.019	<0.038	<0.038	<0.077	ND	<3.8	<15	<50	ND	<60
FPW-4	7.27.22	C	0 to 5	<0.016	<0.033	<0.033	<0.066	ND	<3.3	<14	<48	ND	<61
FPW-5	7.27.22	C	0 to 5	<0.022	<0.043	<0.043	<0.086	ND	<4.3	<15	<50	ND	<60
FPW-6	7.27.22	C	0 to 5	<0.017	<0.034	<0.034	<0.067	ND	<3.4	<14	<48	ND	<60
FPW-7	7.27.22	C	0 to 5	<0.019	<0.038	<0.038	<0.076	ND	<3.8	<14	<48	ND	<59

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

<sup>1</sup> = 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](http://www.hallenvironmental.com)

July 29, 2022

Kyle Summers

ENSOLUM

606 S. Rio Grande Suite A

Aztec, NM 87410

TEL: (903) 821-5603

FAX:

RE: A New Dawn DK GL

OrderNo.: 2207918

Dear Kyle Summers:

Hall Environmental Analysis Laboratory received 6 sample(s) on 7/20/2022 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](http://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 2207918

Date Reported: 7/29/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-1

Project: A New Dawn DK GL

Collection Date: 7/19/2022 10:30:00 AM

Lab ID: 2207918-001

Matrix: MEOH (SOIL)

Received Date: 7/20/2022 6:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JTT
Chloride	720	60		mg/Kg	20	7/20/2022 10:07:59 AM	68909
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: ED
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	7/20/2022 10:59:36 AM	68906
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	7/20/2022 10:59:36 AM	68906
Surr: DNOP	55.0	51.1-141		%Rec	1	7/20/2022 10:59:36 AM	68906
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: NSB
Gasoline Range Organics (GRO)	ND	18		mg/Kg	5	7/20/2022 8:54:59 AM	G89634
Surr: BFB	98.6	37.7-212		%Rec	5	7/20/2022 8:54:59 AM	G89634
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: NSB
Benzene	ND	0.089		mg/Kg	5	7/20/2022 8:54:59 AM	B89634
Toluene	ND	0.18		mg/Kg	5	7/20/2022 8:54:59 AM	B89634
Ethylbenzene	ND	0.18		mg/Kg	5	7/20/2022 8:54:59 AM	B89634
Xylenes, Total	ND	0.36		mg/Kg	5	7/20/2022 8:54:59 AM	B89634
Surr: 4-Bromofluorobenzene	98.5	70-130		%Rec	5	7/20/2022 8:54:59 AM	B89634

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

<b>Qualifiers:</b>	*	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 2207918

Date Reported: 7/29/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-2

Project: A New Dawn DK GL

Collection Date: 7/19/2022 10:35:00 AM

Lab ID: 2207918-002

Matrix: MEOH (SOIL)

Received Date: 7/20/2022 6:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JTT
Chloride	180	60		mg/Kg	20	7/20/2022 10:20:24 AM	68909
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: ED
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	7/20/2022 11:13:05 AM	68906
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	7/20/2022 11:13:05 AM	68906
Surr: DNOP	64.8	51.1-141		%Rec	1	7/20/2022 11:13:05 AM	68906
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: NSB
Gasoline Range Organics (GRO)	ND	3.5		mg/Kg	1	7/20/2022 9:18:29 AM	G89634
Surr: BFB	94.0	37.7-212		%Rec	1	7/20/2022 9:18:29 AM	G89634
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: NSB
Benzene	ND	0.017		mg/Kg	1	7/20/2022 9:18:29 AM	B89634
Toluene	ND	0.035		mg/Kg	1	7/20/2022 9:18:29 AM	B89634
Ethylbenzene	ND	0.035		mg/Kg	1	7/20/2022 9:18:29 AM	B89634
Xylenes, Total	ND	0.069		mg/Kg	1	7/20/2022 9:18:29 AM	B89634
Surr: 4-Bromofluorobenzene	97.4	70-130		%Rec	1	7/20/2022 9:18:29 AM	B89634

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

<b>Qualifiers:</b>	*	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 2207918

Date Reported: 7/29/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-3

Project: A New Dawn DK GL

Collection Date: 7/19/2022 10:40:00 AM

Lab ID: 2207918-003

Matrix: MEOH (SOIL)

Received Date: 7/20/2022 6:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JTT
Chloride	ND	60		mg/Kg	20	7/20/2022 10:32:48 AM	68909
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: ED
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	7/20/2022 11:26:53 AM	68906
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	7/20/2022 11:26:53 AM	68906
Surr: DNOP	60.1	51.1-141		%Rec	1	7/20/2022 11:26:53 AM	68906
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: NSB
Gasoline Range Organics (GRO)	ND	3.8		mg/Kg	1	7/20/2022 9:42:00 AM	G89634
Surr: BFB	99.0	37.7-212		%Rec	1	7/20/2022 9:42:00 AM	G89634
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: NSB
Benzene	ND	0.019		mg/Kg	1	7/20/2022 9:42:00 AM	B89634
Toluene	ND	0.038		mg/Kg	1	7/20/2022 9:42:00 AM	B89634
Ethylbenzene	ND	0.038		mg/Kg	1	7/20/2022 9:42:00 AM	B89634
Xylenes, Total	ND	0.075		mg/Kg	1	7/20/2022 9:42:00 AM	B89634
Surr: 4-Bromofluorobenzene	101	70-130		%Rec	1	7/20/2022 9:42:00 AM	B89634

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

<b>Qualifiers:</b>	*	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 2207918

Date Reported: 7/29/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-4

Project: A New Dawn DK GL

Collection Date: 7/19/2022 10:45:00 AM

Lab ID: 2207918-004

Matrix: MEOH (SOIL)

Received Date: 7/20/2022 6:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JTT
Chloride	ND	60		mg/Kg	20	7/20/2022 10:45:12 AM	68909
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: ED
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	7/20/2022 11:40:22 AM	68906
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	7/20/2022 11:40:22 AM	68906
Surr: DNOP	66.9	51.1-141		%Rec	1	7/20/2022 11:40:22 AM	68906
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: NSB
Gasoline Range Organics (GRO)	ND	3.4		mg/Kg	1	7/20/2022 10:05:32 AM	G89634
Surr: BFB	95.6	37.7-212		%Rec	1	7/20/2022 10:05:32 AM	G89634
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: NSB
Benzene	ND	0.017		mg/Kg	1	7/20/2022 10:05:32 AM	B89634
Toluene	ND	0.034		mg/Kg	1	7/20/2022 10:05:32 AM	B89634
Ethylbenzene	ND	0.034		mg/Kg	1	7/20/2022 10:05:32 AM	B89634
Xylenes, Total	ND	0.069		mg/Kg	1	7/20/2022 10:05:32 AM	B89634
Surr: 4-Bromofluorobenzene	99.7	70-130		%Rec	1	7/20/2022 10:05:32 AM	B89634

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

<b>Qualifiers:</b>	*	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 2207918

Date Reported: 7/29/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-5

Project: A New Dawn DK GL

Collection Date: 7/19/2022 10:50:00 AM

Lab ID: 2207918-005

Matrix: MEOH (SOIL)

Received Date: 7/20/2022 6:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JTT
Chloride	ND	60		mg/Kg	20	7/20/2022 10:57:36 AM	68909
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: ED
Diesel Range Organics (DRO)	95	15		mg/Kg	1	7/20/2022 11:54:04 AM	68906
Motor Oil Range Organics (MRO)	170	49		mg/Kg	1	7/20/2022 11:54:04 AM	68906
Surr: DNOP	88.6	51.1-141		%Rec	1	7/20/2022 11:54:04 AM	68906
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: NSB
Gasoline Range Organics (GRO)	ND	18		mg/Kg	5	7/20/2022 10:29:09 AM	G89634
Surr: BFB	98.3	37.7-212		%Rec	5	7/20/2022 10:29:09 AM	G89634
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: NSB
Benzene	ND	0.090		mg/Kg	5	7/20/2022 10:29:09 AM	B89634
Toluene	ND	0.18		mg/Kg	5	7/20/2022 10:29:09 AM	B89634
Ethylbenzene	ND	0.18		mg/Kg	5	7/20/2022 10:29:09 AM	B89634
Xylenes, Total	ND	0.36		mg/Kg	5	7/20/2022 10:29:09 AM	B89634
Surr: 4-Bromofluorobenzene	99.8	70-130		%Rec	5	7/20/2022 10:29:09 AM	B89634

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

<b>Qualifiers:</b>	*	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 2207918

Date Reported: 7/29/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-6

Project: A New Dawn DK GL

Collection Date: 7/19/2022 10:55:00 AM

Lab ID: 2207918-006

Matrix: MEOH (SOIL)

Received Date: 7/20/2022 6:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JTT
Chloride	ND	60		mg/Kg	20	7/20/2022 11:10:01 AM	68909
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: ED
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	7/20/2022 12:07:35 PM	68906
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	7/20/2022 12:07:35 PM	68906
Surr: DNOP	72.7	51.1-141		%Rec	1	7/20/2022 12:07:35 PM	68906
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.0		mg/Kg	1	7/20/2022 10:52:46 AM	G89634
Surr: BFB	97.5	37.7-212		%Rec	1	7/20/2022 10:52:46 AM	G89634
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: NSB
Benzene	ND	0.020		mg/Kg	1	7/20/2022 10:52:46 AM	B89634
Toluene	ND	0.040		mg/Kg	1	7/20/2022 10:52:46 AM	B89634
Ethylbenzene	ND	0.040		mg/Kg	1	7/20/2022 10:52:46 AM	B89634
Xylenes, Total	ND	0.079		mg/Kg	1	7/20/2022 10:52:46 AM	B89634
Surr: 4-Bromofluorobenzene	99.4	70-130		%Rec	1	7/20/2022 10:52:46 AM	B89634

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

<b>Qualifiers:</b>	*	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#: 2207918

29-Jul-22

**Client:** ENSOLUM  
**Project:** A New Dawn DK GL

Sample ID: <b>MB-68909</b>	SampType: <b>mblk</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>PBS</b>	Batch ID: <b>68909</b>	RunNo: <b>89636</b>								
Prep Date: <b>7/20/2022</b>	Analysis Date: <b>7/20/2022</b>	SeqNo: <b>3192269</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: <b>LCS-68909</b>	SampType: <b>lcs</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>68909</b>	RunNo: <b>89636</b>								
Prep Date: <b>7/20/2022</b>	Analysis Date: <b>7/20/2022</b>	SeqNo: <b>3192270</b>	Units: <b>mg/Kg</b>							
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#: 2207918

29-Jul-22

**Client:** ENSOLUM  
**Project:** A New Dawn DK GL

Sample ID: <b>MB-68906</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>PBS</b>	Batch ID: <b>68906</b>	RunNo: <b>89638</b>								
Prep Date: <b>7/20/2022</b>	Analysis Date: <b>7/20/2022</b>	SeqNo: <b>3191528</b> Units: <b>mg/Kg</b>								
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	5.6		10.00		56.2	51.1	141			

Sample ID: <b>LCS-68906</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>68906</b>	RunNo: <b>89638</b>								
Prep Date: <b>7/20/2022</b>	Analysis Date: <b>7/20/2022</b>	SeqNo: <b>3191529</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	39	15	50.00	0	77.4	64.4	127			
Surr: DNOP	2.6		5.000		52.5	51.1	141			

Sample ID: <b>2207918-001AMS</b>	SampType: <b>MS</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>S-1</b>	Batch ID: <b>68906</b>	RunNo: <b>89638</b>								
Prep Date: <b>7/20/2022</b>	Analysis Date: <b>7/20/2022</b>	SeqNo: <b>3191540</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	48	14	47.30	0	101	36.1	154			
Surr: DNOP	2.3		4.730		48.7	51.1	141			S

Sample ID: <b>2207918-001AMSD</b>	SampType: <b>MSD</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>S-1</b>	Batch ID: <b>68906</b>	RunNo: <b>89638</b>								
Prep Date: <b>7/20/2022</b>	Analysis Date: <b>7/20/2022</b>	SeqNo: <b>3191541</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	48	13	44.48	0	108	36.1	154	0.243	33.9	
Surr: DNOP	2.2		4.448		50.2	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		

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

WO#: 2207918

29-Jul-22

**Client:** ENSOLUM  
**Project:** A New Dawn DK GL

Sample ID: <b>mb</b>	SampType: <b>MBLK</b>		TestCode: <b>EPA Method 8015D: Gasoline Range</b>							
Client ID: <b>PBS</b>	Batch ID: <b>G89634</b>		RunNo: <b>89634</b>							
Prep Date:	Analysis Date: <b>7/20/2022</b>		SeqNo: <b>3191714</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1000		1000		102	37.7	212			

Sample ID: <b>2.5ug gro lcs</b>	SampType: <b>LCS</b>		TestCode: <b>EPA Method 8015D: Gasoline Range</b>							
Client ID: <b>LCSS</b>	Batch ID: <b>G89634</b>		RunNo: <b>89634</b>							
Prep Date:	Analysis Date: <b>7/20/2022</b>		SeqNo: <b>3191715</b>		Units: <b>mg/Kg</b>					
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: <b>2207918-001ams</b>	SampType: <b>MS</b>		TestCode: <b>EPA Method 8015D: Gasoline Range</b>							
Client ID: <b>S-1</b>	Batch ID: <b>G89634</b>		RunNo: <b>89634</b>							
Prep Date:	Analysis Date: <b>7/20/2022</b>		SeqNo: <b>3191716</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	93	18	89.03	0	105	70	130			
Surr: BFB	7300		3561		204	37.7	212			

Sample ID: <b>2207918-001amsd</b>	SampType: <b>MSD</b>		TestCode: <b>EPA Method 8015D: Gasoline Range</b>							
Client ID: <b>S-1</b>	Batch ID: <b>G89634</b>		RunNo: <b>89634</b>							
Prep Date:	Analysis Date: <b>7/20/2022</b>		SeqNo: <b>3191717</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	95	18	89.03	0	107	70	130	2.53	20	
Surr: BFB	7200		3561		203	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#: 2207918

29-Jul-22

**Client:** ENSOLUM  
**Project:** A New Dawn DK GL

Sample ID: <b>mb</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>PBS</b>	Batch ID: <b>B89634</b>	RunNo: <b>89634</b>								
Prep Date:	Analysis Date: <b>7/20/2022</b>	SeqNo: <b>3191729</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.0		1.000		101	70	130			

Sample ID: <b>100ng btex lcs</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>B89634</b>	RunNo: <b>89634</b>								
Prep Date:	Analysis Date: <b>7/20/2022</b>	SeqNo: <b>3191730</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.96	0.025	1.000	0	96.4	80	120			
Toluene	1.0	0.050	1.000	0	100	80	120			
Ethylbenzene	1.0	0.050	1.000	0	100	80	120			
Xylenes, Total	3.0	0.10	3.000	0	99.5	80	120			
Surr: 4-Bromofluorobenzene	1.0		1.000		104	70	130			

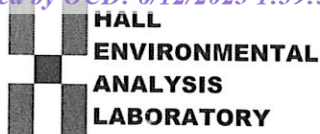
Sample ID: <b>2207918-002ams</b>	SampType: <b>MS</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>S-2</b>	Batch ID: <b>B89634</b>	RunNo: <b>89634</b>								
Prep Date:	Analysis Date: <b>7/20/2022</b>	SeqNo: <b>3191731</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.65	0.017	0.6920	0	94.6	68.8	120			
Toluene	0.68	0.035	0.6920	0	98.8	73.6	124			
Ethylbenzene	0.69	0.035	0.6920	0	99.0	72.7	129			
Xylenes, Total	2.1	0.069	2.076	0	99.3	75.7	126			
Surr: 4-Bromofluorobenzene	0.72		0.6920		103	70	130			

Sample ID: <b>2207918-002amsd</b>	SampType: <b>MSD</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>S-2</b>	Batch ID: <b>B89634</b>	RunNo: <b>89634</b>								
Prep Date:	Analysis Date: <b>7/20/2022</b>	SeqNo: <b>3191732</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.64	0.017	0.6920	0	92.1	68.8	120	2.60	20	
Toluene	0.67	0.035	0.6920	0	97.1	73.6	124	1.73	20	
Ethylbenzene	0.67	0.035	0.6920	0	97.2	72.7	129	1.81	20	
Xylenes, Total	2.0	0.069	2.076	0	98.3	75.7	126	1.09	20	
Surr: 4-Bromofluorobenzene	0.73		0.6920		105	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: 2207918

RcptNo: 1

Received By: Juan Rojas

7/20/2022 6:50:00 AM

*Juan Rojas*

Completed By: Cheyenne Cason

7/20/2022 7:20:42 AM

*Cheyenne Cason*Reviewed By: *Cme*

7/20/22

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  $6.0^{\circ}\text{C}$ ? 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:

(&lt;2 or &gt;12 unless noted)

Adjusted?

Checked by: *JR 7/20/22*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	0.9	Good	Yes			





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

August 01, 2022

Kyle Summers

ENSOLUM

606 S. Rio Grande Suite A

Aztec, NM 87410

TEL: (903) 821-5603

FAX:

RE: A New Dawn Dk Gl

OrderNo.: 2207E09

Dear Kyle Summers:

Hall Environmental Analysis Laboratory received 15 sample(s) on 7/28/2022 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](http://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 2207E09

Date Reported: 8/1/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: FPW-3

Project: A New Dawn Dk Gl

Collection Date: 7/27/2022 10:00:00 AM

Lab ID: 2207E09-001

Matrix: SOIL

Received Date: 7/28/2022 6:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	ND	60		mg/Kg	20	7/28/2022 11:31:41 AM	69119
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: TOM
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	7/28/2022 10:26:54 AM	69117
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	7/28/2022 10:26:54 AM	69117
Surr: DNOP	95.1	21-129		%Rec	1	7/28/2022 10:26:54 AM	69117
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: NSB
Gasoline Range Organics (GRO)	ND	3.8		mg/Kg	1	7/28/2022 10:50:39 AM	G89841
Surr: BFB	104	37.7-212		%Rec	1	7/28/2022 10:50:39 AM	G89841
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: NSB
Benzene	ND	0.019		mg/Kg	1	7/28/2022 10:50:39 AM	B89841
Toluene	ND	0.038		mg/Kg	1	7/28/2022 10:50:39 AM	B89841
Ethylbenzene	ND	0.038		mg/Kg	1	7/28/2022 10:50:39 AM	B89841
Xylenes, Total	ND	0.077		mg/Kg	1	7/28/2022 10:50:39 AM	B89841
Surr: 4-Bromofluorobenzene	96.8	70-130		%Rec	1	7/28/2022 10:50:39 AM	B89841

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

<b>Qualifiers:</b>	*	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 2207E09

Date Reported: 8/1/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: FPW-4

Project: A New Dawn Dk Gl

Collection Date: 7/27/2022 10:05:00 AM

Lab ID: 2207E09-002

Matrix: SOIL

Received Date: 7/28/2022 6:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	ND	61		mg/Kg	20	7/28/2022 11:44:02 AM	69119
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: TOM
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	7/28/2022 10:50:43 AM	69117
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	7/28/2022 10:50:43 AM	69117
Surr: DNOP	93.4	21-129		%Rec	1	7/28/2022 10:50:43 AM	69117
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: NSB
Gasoline Range Organics (GRO)	ND	3.3		mg/Kg	1	7/28/2022 11:14:13 AM	G89841
Surr: BFB	101	37.7-212		%Rec	1	7/28/2022 11:14:13 AM	G89841
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: NSB
Benzene	ND	0.016		mg/Kg	1	7/28/2022 11:14:13 AM	B89841
Toluene	ND	0.033		mg/Kg	1	7/28/2022 11:14:13 AM	B89841
Ethylbenzene	ND	0.033		mg/Kg	1	7/28/2022 11:14:13 AM	B89841
Xylenes, Total	ND	0.066		mg/Kg	1	7/28/2022 11:14:13 AM	B89841
Surr: 4-Bromofluorobenzene	95.3	70-130		%Rec	1	7/28/2022 11:14:13 AM	B89841

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

<b>Qualifiers:</b>	*	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 2207E09

Date Reported: 8/1/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: FPW-5

Project: A New Dawn Dk Gl

Collection Date: 7/27/2022 10:10:00 AM

Lab ID: 2207E09-003

Matrix: SOIL

Received Date: 7/28/2022 6:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	ND	60		mg/Kg	20	7/28/2022 12:21:04 PM	69119
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: TOM
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	7/28/2022 11:14:26 AM	69117
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	7/28/2022 11:14:26 AM	69117
Surr: DNOP	94.2	21-129		%Rec	1	7/28/2022 11:14:26 AM	69117
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.3		mg/Kg	1	7/28/2022 11:37:48 AM	G89841
Surr: BFB	97.4	37.7-212		%Rec	1	7/28/2022 11:37:48 AM	G89841
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: NSB
Benzene	ND	0.022		mg/Kg	1	7/28/2022 11:37:48 AM	B89841
Toluene	ND	0.043		mg/Kg	1	7/28/2022 11:37:48 AM	B89841
Ethylbenzene	ND	0.043		mg/Kg	1	7/28/2022 11:37:48 AM	B89841
Xylenes, Total	ND	0.086		mg/Kg	1	7/28/2022 11:37:48 AM	B89841
Surr: 4-Bromofluorobenzene	92.5	70-130		%Rec	1	7/28/2022 11:37:48 AM	B89841

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

<b>Qualifiers:</b>	*	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 2207E09

Date Reported: 8/1/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: FPW-6

Project: A New Dawn Dk Gl

Collection Date: 7/27/2022 10:15:00 AM

Lab ID: 2207E09-004

Matrix: SOIL

Received Date: 7/28/2022 6:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	ND	60		mg/Kg	20	7/28/2022 12:33:26 PM	69119
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: TOM
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	7/28/2022 11:38:09 AM	69117
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	7/28/2022 11:38:09 AM	69117
Surr: DNOP	92.9	21-129		%Rec	1	7/28/2022 11:38:09 AM	69117
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: NSB
Gasoline Range Organics (GRO)	ND	3.4		mg/Kg	1	7/28/2022 12:01:25 PM	G89841
Surr: BFB	103	37.7-212		%Rec	1	7/28/2022 12:01:25 PM	G89841
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: NSB
Benzene	ND	0.017		mg/Kg	1	7/28/2022 12:01:25 PM	B89841
Toluene	ND	0.034		mg/Kg	1	7/28/2022 12:01:25 PM	B89841
Ethylbenzene	ND	0.034		mg/Kg	1	7/28/2022 12:01:25 PM	B89841
Xylenes, Total	ND	0.067		mg/Kg	1	7/28/2022 12:01:25 PM	B89841
Surr: 4-Bromofluorobenzene	97.0	70-130		%Rec	1	7/28/2022 12:01:25 PM	B89841

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

<b>Qualifiers:</b>	*	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 2207E09

Date Reported: 8/1/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: FPW-7

Project: A New Dawn Dk Gl

Collection Date: 7/27/2022 10:20:00 AM

Lab ID: 2207E09-005

Matrix: SOIL

Received Date: 7/28/2022 6:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	ND	59		mg/Kg	20	7/28/2022 12:45:47 PM	69119
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: TOM
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	7/28/2022 12:01:48 PM	69117
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	7/28/2022 12:01:48 PM	69117
Surr: DNOP	96.2	21-129		%Rec	1	7/28/2022 12:01:48 PM	69117
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: NSB
Gasoline Range Organics (GRO)	ND	3.8		mg/Kg	1	7/28/2022 12:25:02 PM	G89841
Surr: BFB	105	37.7-212		%Rec	1	7/28/2022 12:25:02 PM	G89841
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: NSB
Benzene	ND	0.019		mg/Kg	1	7/28/2022 12:25:02 PM	B89841
Toluene	ND	0.038		mg/Kg	1	7/28/2022 12:25:02 PM	B89841
Ethylbenzene	ND	0.038		mg/Kg	1	7/28/2022 12:25:02 PM	B89841
Xylenes, Total	ND	0.076		mg/Kg	1	7/28/2022 12:25:02 PM	B89841
Surr: 4-Bromofluorobenzene	94.8	70-130		%Rec	1	7/28/2022 12:25:02 PM	B89841

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

<b>Qualifiers:</b>	*	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 2207E09

Date Reported: 8/1/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: FP-9

Project: A New Dawn Dk Gl

Collection Date: 7/27/2022 10:25:00 AM

Lab ID: 2207E09-006

Matrix: SOIL

Received Date: 7/28/2022 6:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	ND	60		mg/Kg	20	7/28/2022 12:58:07 PM	69119
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: TOM
Diesel Range Organics (DRO)	ND	13		mg/Kg	1	7/28/2022 12:25:30 PM	69117
Motor Oil Range Organics (MRO)	ND	44		mg/Kg	1	7/28/2022 12:25:30 PM	69117
Surr: DNOP	97.8	21-129		%Rec	1	7/28/2022 12:25:30 PM	69117
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: RAA
Gasoline Range Organics (GRO)	ND	3.8		mg/Kg	1	7/28/2022 10:37:00 AM	G89856
Surr: BFB	96.0	37.7-212		%Rec	1	7/28/2022 10:37:00 AM	G89856
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: RAA
Benzene	ND	0.019		mg/Kg	1	7/28/2022 10:37:00 AM	R89856
Toluene	ND	0.038		mg/Kg	1	7/28/2022 10:37:00 AM	R89856
Ethylbenzene	ND	0.038		mg/Kg	1	7/28/2022 10:37:00 AM	R89856
Xylenes, Total	ND	0.077		mg/Kg	1	7/28/2022 10:37:00 AM	R89856
Surr: 4-Bromofluorobenzene	89.7	70-130		%Rec	1	7/28/2022 10:37:00 AM	R89856

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

<b>Qualifiers:</b>	*	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 2207E09

Date Reported: 8/1/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: FP-10

Project: A New Dawn Dk Gl

Collection Date: 7/27/2022 10:30:00 AM

Lab ID: 2207E09-007

Matrix: SOIL

Received Date: 7/28/2022 6:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	ND	60		mg/Kg	20	7/28/2022 1:10:27 PM	69119
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: TOM
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	7/28/2022 12:49:11 PM	69117
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	7/28/2022 12:49:11 PM	69117
Surr: DNOP	88.5	21-129		%Rec	1	7/28/2022 12:49:11 PM	69117
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: RAA
Gasoline Range Organics (GRO)	ND	3.9		mg/Kg	1	7/28/2022 10:56:00 AM	G89856
Surr: BFB	92.4	37.7-212		%Rec	1	7/28/2022 10:56:00 AM	G89856
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: RAA
Benzene	ND	0.020		mg/Kg	1	7/28/2022 10:56:00 AM	R89856
Toluene	ND	0.039		mg/Kg	1	7/28/2022 10:56:00 AM	R89856
Ethylbenzene	ND	0.039		mg/Kg	1	7/28/2022 10:56:00 AM	R89856
Xylenes, Total	ND	0.079		mg/Kg	1	7/28/2022 10:56:00 AM	R89856
Surr: 4-Bromofluorobenzene	89.4	70-130		%Rec	1	7/28/2022 10:56:00 AM	R89856

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

<b>Qualifiers:</b>	*	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 2207E09

Date Reported: 8/1/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: FP-11

Project: A New Dawn Dk Gl

Collection Date: 7/27/2022 10:35:00 AM

Lab ID: 2207E09-008

Matrix: SOIL

Received Date: 7/28/2022 6:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	ND	60		mg/Kg	20	7/28/2022 1:22:49 PM	69119
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: TOM
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	7/28/2022 1:12:56 PM	69117
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	7/28/2022 1:12:56 PM	69117
Surr: DNOP	96.1	21-129		%Rec	1	7/28/2022 1:12:56 PM	69117
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.2		mg/Kg	1	7/28/2022 11:16:00 AM	G89856
Surr: BFB	93.1	37.7-212		%Rec	1	7/28/2022 11:16:00 AM	G89856
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: RAA
Benzene	ND	0.021		mg/Kg	1	7/28/2022 11:16:00 AM	R89856
Toluene	ND	0.042		mg/Kg	1	7/28/2022 11:16:00 AM	R89856
Ethylbenzene	ND	0.042		mg/Kg	1	7/28/2022 11:16:00 AM	R89856
Xylenes, Total	ND	0.084		mg/Kg	1	7/28/2022 11:16:00 AM	R89856
Surr: 4-Bromofluorobenzene	88.6	70-130		%Rec	1	7/28/2022 11:16:00 AM	R89856

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

<b>Qualifiers:</b>	*	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 2207E09

Date Reported: 8/1/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: FP-12

Project: A New Dawn Dk Gl

Collection Date: 7/27/2022 10:40:00 AM

Lab ID: 2207E09-009

Matrix: SOIL

Received Date: 7/28/2022 6:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JTT
Chloride	ND	60		mg/Kg	20	7/28/2022 11:12:00 AM	69122
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: TOM
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	7/28/2022 1:36:42 PM	69117
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	7/28/2022 1:36:42 PM	69117
Surr: DNOP	97.3	21-129		%Rec	1	7/28/2022 1:36:42 PM	69117
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: RAA
Gasoline Range Organics (GRO)	ND	3.9		mg/Kg	1	7/28/2022 11:36:00 AM	G89856
Surr: BFB	95.4	37.7-212		%Rec	1	7/28/2022 11:36:00 AM	G89856
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: RAA
Benzene	ND	0.020		mg/Kg	1	7/28/2022 11:36:00 AM	R89856
Toluene	ND	0.039		mg/Kg	1	7/28/2022 11:36:00 AM	R89856
Ethylbenzene	ND	0.039		mg/Kg	1	7/28/2022 11:36:00 AM	R89856
Xylenes, Total	ND	0.079		mg/Kg	1	7/28/2022 11:36:00 AM	R89856
Surr: 4-Bromofluorobenzene	89.7	70-130		%Rec	1	7/28/2022 11:36:00 AM	R89856

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

<b>Qualifiers:</b>	*	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 2207E09

Date Reported: 8/1/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: FP-13

Project: A New Dawn Dk Gl

Collection Date: 7/27/2022 10:45:00 AM

Lab ID: 2207E09-010

Matrix: SOIL

Received Date: 7/28/2022 6:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JTT
Chloride	ND	60		mg/Kg	20	7/28/2022 11:24:25 AM	69122
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: SB
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	7/28/2022 9:40:06 AM	69117
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	7/28/2022 9:40:06 AM	69117
Surr: DNOP	91.2	21-129		%Rec	1	7/28/2022 9:40:06 AM	69117
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: RAA
Gasoline Range Organics (GRO)	ND	3.3		mg/Kg	1	7/28/2022 11:55:00 AM	G89856
Surr: BFB	93.8	37.7-212		%Rec	1	7/28/2022 11:55:00 AM	G89856
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: RAA
Benzene	ND	0.017		mg/Kg	1	7/28/2022 11:55:00 AM	R89856
Toluene	ND	0.033		mg/Kg	1	7/28/2022 11:55:00 AM	R89856
Ethylbenzene	ND	0.033		mg/Kg	1	7/28/2022 11:55:00 AM	R89856
Xylenes, Total	ND	0.067		mg/Kg	1	7/28/2022 11:55:00 AM	R89856
Surr: 4-Bromofluorobenzene	90.6	70-130		%Rec	1	7/28/2022 11:55:00 AM	R89856

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

<b>Qualifiers:</b>	*	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 2207E09

Date Reported: 8/1/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: FP-14

Project: A New Dawn Dk Gl

Collection Date: 7/27/2022 10:50:00 AM

Lab ID: 2207E09-011

Matrix: SOIL

Received Date: 7/28/2022 6:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JTT
Chloride	ND	60		mg/Kg	20	7/28/2022 11:36:49 AM	69122
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: SB
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	7/28/2022 10:04:22 AM	69117
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	7/28/2022 10:04:22 AM	69117
Surr: DNOP	89.4	21-129		%Rec	1	7/28/2022 10:04:22 AM	69117
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: RAA
Gasoline Range Organics (GRO)	ND	3.9		mg/Kg	1	7/28/2022 12:15:00 PM	G89856
Surr: BFB	94.1	37.7-212		%Rec	1	7/28/2022 12:15:00 PM	G89856
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: RAA
Benzene	ND	0.019		mg/Kg	1	7/28/2022 12:15:00 PM	R89856
Toluene	ND	0.039		mg/Kg	1	7/28/2022 12:15:00 PM	R89856
Ethylbenzene	ND	0.039		mg/Kg	1	7/28/2022 12:15:00 PM	R89856
Xylenes, Total	ND	0.078		mg/Kg	1	7/28/2022 12:15:00 PM	R89856
Surr: 4-Bromofluorobenzene	88.3	70-130		%Rec	1	7/28/2022 12:15:00 PM	R89856

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

<b>Qualifiers:</b>	*	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 2207E09

Date Reported: 8/1/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: FP-15

Project: A New Dawn Dk Gl

Collection Date: 7/27/2022 10:55:00 AM

Lab ID: 2207E09-012

Matrix: SOIL

Received Date: 7/28/2022 6:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JTT
Chloride	ND	60		mg/Kg	20	7/28/2022 11:49:13 AM	69122
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: SB
Diesel Range Organics (DRO)	29	15		mg/Kg	1	7/28/2022 10:28:47 AM	69117
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	7/28/2022 10:28:47 AM	69117
Surr: DNOP	90.9	21-129		%Rec	1	7/28/2022 10:28:47 AM	69117
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: RAA
Gasoline Range Organics (GRO)	ND	3.5		mg/Kg	1	7/28/2022 12:35:00 PM	G89856
Surr: BFB	94.9	37.7-212		%Rec	1	7/28/2022 12:35:00 PM	G89856
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: RAA
Benzene	ND	0.017		mg/Kg	1	7/28/2022 12:35:00 PM	R89856
Toluene	ND	0.035		mg/Kg	1	7/28/2022 12:35:00 PM	R89856
Ethylbenzene	ND	0.035		mg/Kg	1	7/28/2022 12:35:00 PM	R89856
Xylenes, Total	ND	0.070		mg/Kg	1	7/28/2022 12:35:00 PM	R89856
Surr: 4-Bromofluorobenzene	86.6	70-130		%Rec	1	7/28/2022 12:35:00 PM	R89856

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

<b>Qualifiers:</b>	*	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 2207E09

Date Reported: 8/1/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: FP-16

Project: A New Dawn Dk Gl

Collection Date: 7/27/2022 11:00:00 AM

Lab ID: 2207E09-013

Matrix: SOIL

Received Date: 7/28/2022 6:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JTT
Chloride	ND	60		mg/Kg	20	7/28/2022 12:01:37 PM	69122
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: SB
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	7/28/2022 10:53:12 AM	69117
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	7/28/2022 10:53:12 AM	69117
Surr: DNOP	86.4	21-129		%Rec	1	7/28/2022 10:53:12 AM	69117
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.3		mg/Kg	1	7/28/2022 12:54:00 PM	G89856
Surr: BFB	96.9	37.7-212		%Rec	1	7/28/2022 12:54:00 PM	G89856
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: RAA
Benzene	ND	0.021		mg/Kg	1	7/28/2022 12:54:00 PM	R89856
Toluene	ND	0.043		mg/Kg	1	7/28/2022 12:54:00 PM	R89856
Ethylbenzene	ND	0.043		mg/Kg	1	7/28/2022 12:54:00 PM	R89856
Xylenes, Total	ND	0.085		mg/Kg	1	7/28/2022 12:54:00 PM	R89856
Surr: 4-Bromofluorobenzene	88.4	70-130		%Rec	1	7/28/2022 12:54:00 PM	R89856

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

<b>Qualifiers:</b>	*	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 2207E09

Date Reported: 8/1/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: FP-17

Project: A New Dawn Dk Gl

Collection Date: 7/27/2022 11:05:00 AM

Lab ID: 2207E09-014

Matrix: SOIL

Received Date: 7/28/2022 6:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JTT
Chloride	ND	60		mg/Kg	20	7/28/2022 12:14:02 PM	69122
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: SB
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	7/28/2022 11:17:36 AM	69117
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	7/28/2022 11:17:36 AM	69117
Surr: DNOP	89.4	21-129		%Rec	1	7/28/2022 11:17:36 AM	69117
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: RAA
Gasoline Range Organics (GRO)	ND	3.7		mg/Kg	1	7/28/2022 1:14:00 PM	G89856
Surr: BFB	92.6	37.7-212		%Rec	1	7/28/2022 1:14:00 PM	G89856
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: RAA
Benzene	ND	0.018		mg/Kg	1	7/28/2022 1:14:00 PM	R89856
Toluene	ND	0.037		mg/Kg	1	7/28/2022 1:14:00 PM	R89856
Ethylbenzene	ND	0.037		mg/Kg	1	7/28/2022 1:14:00 PM	R89856
Xylenes, Total	ND	0.074		mg/Kg	1	7/28/2022 1:14:00 PM	R89856
Surr: 4-Bromofluorobenzene	87.8	70-130		%Rec	1	7/28/2022 1:14:00 PM	R89856

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

<b>Qualifiers:</b>	*	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 2207E09

Date Reported: 8/1/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: FP-18

Project: A New Dawn Dk Gl

Collection Date: 7/27/2022 11:10:00 AM

Lab ID: 2207E09-015

Matrix: SOIL

Received Date: 7/28/2022 6:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JTT
Chloride	ND	60		mg/Kg	20	7/28/2022 12:26:27 PM	69122
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: SB
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	7/28/2022 11:41:48 AM	69117
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	7/28/2022 11:41:48 AM	69117
Surr: DNOP	88.3	21-129		%Rec	1	7/28/2022 11:41:48 AM	69117
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: RAA
Gasoline Range Organics (GRO)	ND	3.7		mg/Kg	1	7/28/2022 1:34:00 PM	G89856
Surr: BFB	91.1	37.7-212		%Rec	1	7/28/2022 1:34:00 PM	G89856
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: RAA
Benzene	ND	0.019		mg/Kg	1	7/28/2022 1:34:00 PM	R89856
Toluene	ND	0.037		mg/Kg	1	7/28/2022 1:34:00 PM	R89856
Ethylbenzene	ND	0.037		mg/Kg	1	7/28/2022 1:34:00 PM	R89856
Xylenes, Total	ND	0.075		mg/Kg	1	7/28/2022 1:34:00 PM	R89856
Surr: 4-Bromofluorobenzene	87.7	70-130		%Rec	1	7/28/2022 1:34:00 PM	R89856

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

<b>Qualifiers:</b>	*	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#: 2207E09

01-Aug-22

**Client:** ENSOLUM**Project:** A New Dawn Dk Gl

Sample ID: <b>MB-69122</b>	SampType: <b>mblk</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>PBS</b>	Batch ID: <b>69122</b>	RunNo: <b>89864</b>								
Prep Date: <b>7/28/2022</b>	Analysis Date: <b>7/28/2022</b>	SeqNo: <b>3201834</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: <b>LCS-69122</b>	SampType: <b>lcs</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>69122</b>	RunNo: <b>89864</b>								
Prep Date: <b>7/28/2022</b>	Analysis Date: <b>7/28/2022</b>	SeqNo: <b>3201835</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	93.1	90	110			

Sample ID: <b>MB-69119</b>	SampType: <b>mblk</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>PBS</b>	Batch ID: <b>69119</b>	RunNo: <b>89865</b>								
Prep Date: <b>7/28/2022</b>	Analysis Date: <b>7/28/2022</b>	SeqNo: <b>3202452</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: <b>LCS-69119</b>	SampType: <b>lcs</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>69119</b>	RunNo: <b>89865</b>								
Prep Date: <b>7/28/2022</b>	Analysis Date: <b>7/28/2022</b>	SeqNo: <b>3202453</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	15	1.5	15.00	0	97.8	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#: 2207E09

01-Aug-22

**Client:** ENSOLUM**Project:** A New Dawn Dk GI

Sample ID: <b>MB-69117</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>PBS</b>	Batch ID: <b>69117</b>	RunNo: <b>89822</b>								
Prep Date: <b>7/28/2022</b>	Analysis Date: <b>7/28/2022</b>	SeqNo: <b>3200941</b>			Units: <b>mg/Kg</b>					
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	9.3		10.00		93.4	21	129			

Sample ID: <b>LCS-69117</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>69117</b>	RunNo: <b>89822</b>								
Prep Date: <b>7/28/2022</b>	Analysis Date: <b>7/28/2022</b>	SeqNo: <b>3200942</b>			Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	46	15	50.00	0	91.4	64.4	127			
Surr: DNOP	4.6		5.000		92.7	21	129			

Sample ID: <b>MB-69110</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>PBS</b>	Batch ID: <b>69110</b>	RunNo: <b>89822</b>								
Prep Date: <b>7/27/2022</b>	Analysis Date: <b>7/28/2022</b>	SeqNo: <b>3201010</b>			Units: <b>%Rec</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	8.8		10.00		87.8	21	129			

Sample ID: <b>LCS-69110</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>69110</b>	RunNo: <b>89822</b>								
Prep Date: <b>7/27/2022</b>	Analysis Date: <b>7/28/2022</b>	SeqNo: <b>3201017</b>			Units: <b>%Rec</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	4.6		5.000		91.8	21	129			

Sample ID: <b>2207E09-002AMS</b>	SampType: <b>MS</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>FPW-4</b>	Batch ID: <b>69117</b>	RunNo: <b>89822</b>								
Prep Date: <b>7/28/2022</b>	Analysis Date: <b>7/28/2022</b>	SeqNo: <b>3201305</b>			Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	46	15	49.41	0	93.8	36.1	154			
Surr: DNOP	4.6		4.941		93.8	21	129			

Sample ID: <b>2207E09-002AMSD</b>	SampType: <b>MSD</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>FPW-4</b>	Batch ID: <b>69117</b>	RunNo: <b>89822</b>								
Prep Date: <b>7/28/2022</b>	Analysis Date: <b>7/28/2022</b>	SeqNo: <b>3201306</b>			Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	47	14	48.03	0	97.4	36.1	154	2.07	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#: 2207E09

01-Aug-22

Client: ENSOLUM

Project: A New Dawn Dk Gl

Sample ID: 2207E09-002AMSD		SampType: MSD		TestCode: EPA Method 8015M/D: Diesel Range Organics						
Client ID: FPW-4		Batch ID: 69117			RunNo: 89822					
Prep Date: 7/28/2022		Analysis Date: 7/28/2022			SeqNo: 3201306		Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	4.6		4.803		96.7	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

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

WO#: 2207E09

01-Aug-22

**Client:** ENSOLUM**Project:** A New Dawn Dk Gl

Sample ID: <b>2.5ug gro lcs</b>	SampType: <b>LCS</b>		TestCode: <b>EPA Method 8015D: Gasoline Range</b>							
Client ID: <b>LCSS</b>	Batch ID: <b>G89856</b>		RunNo: <b>89856</b>							
Prep Date:	Analysis Date: <b>7/28/2022</b>		SeqNo: <b>3200353</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	24	5.0	25.00	0	97.1	72.3	137			
Surr: BFB	2000		1000		200	37.7	212			

Sample ID: <b>mb</b>	SampType: <b>MBLK</b>		TestCode: <b>EPA Method 8015D: Gasoline Range</b>							
Client ID: <b>PBS</b>	Batch ID: <b>G89856</b>		RunNo: <b>89856</b>							
Prep Date:	Analysis Date: <b>7/28/2022</b>		SeqNo: <b>3200354</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	860		1000		86.4	37.7	212			

Sample ID: <b>mb</b>	SampType: <b>MBLK</b>		TestCode: <b>EPA Method 8015D: Gasoline Range</b>							
Client ID: <b>PBS</b>	Batch ID: <b>G89841</b>		RunNo: <b>89841</b>							
Prep Date:	Analysis Date: <b>7/28/2022</b>		SeqNo: <b>3201251</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1000		1000		103	37.7	212			

Sample ID: <b>2.5ug gro lcs</b>	SampType: <b>LCS</b>		TestCode: <b>EPA Method 8015D: Gasoline Range</b>							
Client ID: <b>LCSS</b>	Batch ID: <b>G89841</b>		RunNo: <b>89841</b>							
Prep Date:	Analysis Date: <b>7/28/2022</b>		SeqNo: <b>3201252</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	26	5.0	25.00	0	105	72.3	137			
Surr: BFB	2000		1000		205	37.7	212			

Sample ID: <b>2207e09-006ams</b>	SampType: <b>MS</b>		TestCode: <b>EPA Method 8015D: Gasoline Range</b>							
Client ID: <b>FP-9</b>	Batch ID: <b>R89856</b>		RunNo: <b>89856</b>							
Prep Date:	Analysis Date: <b>7/28/2022</b>		SeqNo: <b>3201548</b>		Units: <b>%Rec</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	1500		768.6		196	37.7	212			

Sample ID: <b>2207e09-006amsd</b>	SampType: <b>MSD</b>		TestCode: <b>EPA Method 8015D: Gasoline Range</b>							
Client ID: <b>FP-9</b>	Batch ID: <b>R89856</b>		RunNo: <b>89856</b>							
Prep Date:	Analysis Date: <b>7/28/2022</b>		SeqNo: <b>3201549</b>		Units: <b>%Rec</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	1500		768.6		189	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#: 2207E09

01-Aug-22

**Client:** ENSOLUM**Project:** A New Dawn Dk GI

Sample ID: <b>100ng btex lcs</b>	SampType: <b>LCS</b>		TestCode: <b>EPA Method 8021B: Volatiles</b>							
Client ID: <b>LCSS</b>	Batch ID: <b>R89856</b>		RunNo: <b>89856</b>							
Prep Date:	Analysis Date: <b>7/28/2022</b>		SeqNo: <b>3200364</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.86	0.025	1.000	0	86.3	80	120			
Toluene	0.89	0.050	1.000	0	88.9	80	120			
Ethylbenzene	0.90	0.050	1.000	0	89.8	80	120			
Xylenes, Total	2.7	0.10	3.000	0	90.0	80	120			
Surr: 4-Bromofluorobenzene	0.91		1.000		90.7	70	130			

Sample ID: <b>mb</b>	SampType: <b>MBLK</b>		TestCode: <b>EPA Method 8021B: Volatiles</b>							
Client ID: <b>PBS</b>	Batch ID: <b>R89856</b>		RunNo: <b>89856</b>							
Prep Date:	Analysis Date: <b>7/28/2022</b>		SeqNo: <b>3200365</b>		Units: <b>mg/Kg</b>					
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	0.82		1.000		82.3	70	130			

Sample ID: <b>mb</b>	SampType: <b>MBLK</b>		TestCode: <b>EPA Method 8021B: Volatiles</b>							
Client ID: <b>PBS</b>	Batch ID: <b>B89841</b>		RunNo: <b>89841</b>							
Prep Date:	Analysis Date: <b>7/28/2022</b>		SeqNo: <b>3201290</b>		Units: <b>mg/Kg</b>					
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	0.97		1.000		97.0	70	130			

Sample ID: <b>100ng btex lcs</b>	SampType: <b>LCS</b>		TestCode: <b>EPA Method 8021B: Volatiles</b>							
Client ID: <b>LCSS</b>	Batch ID: <b>B89841</b>		RunNo: <b>89841</b>							
Prep Date:	Analysis Date: <b>7/28/2022</b>		SeqNo: <b>3201291</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.94	0.025	1.000	0	93.5	80	120			
Toluene	0.97	0.050	1.000	0	96.6	80	120			
Ethylbenzene	0.96	0.050	1.000	0	96.1	80	120			
Xylenes, Total	2.9	0.10	3.000	0	96.0	80	120			
Surr: 4-Bromofluorobenzene	0.96		1.000		96.4	70	130			

**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#: 2207E09

01-Aug-22

**Client:** ENSOLUM**Project:** A New Dawn Dk GI

Sample ID: <b>2207e09-001ams</b>	SampType: <b>MS</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>FPW-3</b>	Batch ID: <b>B89841</b>	RunNo: <b>89841</b>								
Prep Date:	Analysis Date: <b>7/28/2022</b>	SeqNo: <b>3201299</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.75	0.019	0.7663	0	97.8	68.8	120			
Toluene	0.79	0.038	0.7663	0	103	73.6	124			
Ethylbenzene	0.80	0.038	0.7663	0	104	72.7	129			
Xylenes, Total	2.4	0.077	2.299	0	103	75.7	126			
Surr: 4-Bromofluorobenzene	0.76		0.7663		98.9	70	130			

Sample ID: <b>2207e09-001amsd</b>	SampType: <b>MSD</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>FPW-3</b>	Batch ID: <b>B89841</b>	RunNo: <b>89841</b>								
Prep Date:	Analysis Date: <b>7/28/2022</b>	SeqNo: <b>3201300</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.71	0.019	0.7663	0	93.1	68.8	120	4.86	20	
Toluene	0.75	0.038	0.7663	0	97.9	73.6	124	5.05	20	
Ethylbenzene	0.76	0.038	0.7663	0	99.6	72.7	129	4.32	20	
Xylenes, Total	2.3	0.077	2.299	0	100	75.7	126	2.88	20	
Surr: 4-Bromofluorobenzene	0.76		0.7663		99.3	70	130	0	0	

Sample ID: <b>2207e09-007ams</b>	SampType: <b>MS</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>FP-10</b>	Batch ID: <b>R89856</b>	RunNo: <b>89856</b>								
Prep Date:	Analysis Date: <b>7/28/2022</b>	SeqNo: <b>3201582</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.68	0.020	0.7899	0	86.2	68.8	120			
Toluene	0.70	0.039	0.7899	0	89.0	73.6	124			
Ethylbenzene	0.72	0.039	0.7899	0	90.8	72.7	129			
Xylenes, Total	2.1	0.079	2.370	0	90.7	75.7	126			
Surr: 4-Bromofluorobenzene	0.67		0.7899		84.9	70	130			

Sample ID: <b>2207e09-007amsd</b>	SampType: <b>MSD</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>FP-10</b>	Batch ID: <b>R89856</b>	RunNo: <b>89856</b>								
Prep Date:	Analysis Date: <b>7/28/2022</b>	SeqNo: <b>3201583</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.66	0.020	0.7899	0	83.4	68.8	120	3.26	20	
Toluene	0.68	0.039	0.7899	0	85.9	73.6	124	3.54	20	
Ethylbenzene	0.69	0.039	0.7899	0	88.0	72.7	129	3.15	20	
Xylenes, Total	2.1	0.079	2.370	0	88.2	75.7	126	2.76	20	
Surr: 4-Bromofluorobenzene	0.66		0.7899		83.8	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		

Page 21 of 21



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: 2207E09

RcptNo: 1

Received By: Juan Rojas

7/28/2022 6:30:00 AM

Completed By: Juan Rojas

7/28/2022 6:59:48 AM

Reviewed By:

7/28/22

### 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  $6.0^{\circ}\text{C}$ ? 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: 7/28/22

### 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 PersonRegarding:                                     Client Instructions:                                     

16. Additional remarks:

### 17. Cooler Information

Cooler No	Temp $^{\circ}\text{C}$	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	3.2	Good				
2	0.8	Good				



## Chain-of-Custody Record

Client: Enserum LLC

Mailing Address: 606 Shio Grande  
Suit A 87410

Phone #: \_\_\_\_\_

Email or Fax#: \_\_\_\_\_

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

Accreditation: ☐ Az Compliance  
☐ NELAC ☐ Other \_\_\_\_\_

☐ EDD (Type) \_\_\_\_\_

Turn-Around Time: 100%

☐ Standard 80 Rush 7-28-22

Project Name: A New Dawn DK/CL

Project #: \_\_\_\_\_

OSA 1221199

Project Manager: K Summers

Sampler: C D Apant;

On Ice: ☒ Yes ☐ No

# of Coolers: 2

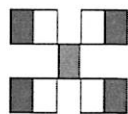
Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	Cooler Temp (including CF): <u>3.2-0-3.2 (°C)</u>	HEAL No. <u>2207E09</u>
7/27	1000	S	FPW-3	1402gal Cool	Cool	-001	
7/27	1005	S	FPW-4	Cool	Cool	-002	
7/27	1010	S	FPW-5	Cool	Cool	-003	
7/27	1015	S	FPW-6	Cool	Cool	-004	
7/27	1020	S	FPW-7	Cool	Cool	-005	
7/27	1025	S	S-9	Cool	Cool	-006	
7/27	1030	S	S-10	Cool	Cool	-007	
7/27	1035	S	S-11	Cool	Cool	-008	
7/27	1040	S	S-12	Cool	Cool	-009	
7/27	1045	S	S-13	Cool	Cool	-010	
7/27	1050	S	S-14	Cool	Cool	-011	
7/27	1055	S	S-15	Cool	Cool	-012	

Date: 7/27/22 Time: 1111

Date: 7/28/22 Time: 6:30

Relinquished by: [Signature]

Relinquished by: [Signature]



# HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

## Analysis Request

BTEX / MTBE / TMBs (8021)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
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Remarks: Tom Long  
R 8/1200  
AFE # N60202

10/2

Same

Day



## Chain-of-Custody Record

Client: Ensolum, LLCMailing Address: 606 S BroadwaySuite A 87420

Phone #: \_\_\_\_\_

Email or Fax#: \_\_\_\_\_

QA/QC Package:

☐ Standard ☐ Level 4 (Full Validation)Accreditation: ☐ Az Compliance☐ NELAC ☐ Other \_\_\_\_\_☐ EDD (Type) \_\_\_\_\_Turn-Around Time: 100%☐ Standard ☒ Rush 7-28-22

Project Name: \_\_\_\_\_

Alexander DK/CL

Project #: \_\_\_\_\_

05A1201199

Project Manager: \_\_\_\_\_

K SummersSampler: C D'ApontOn Ice: ☒ Yes ☐ No# of Coolers: 2Cooler Temp (including CP): 32.0-3.2 (°C)

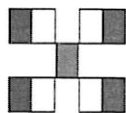
Container Type and #

Preservative Type

HEAL No.

0.8-0.82707-0914031111111111111111111111Received by: Art W... Date: 7/27/22 Time: 1611Received by: Art W... Date: 7/28/22 Time: 630Relinquished by: Art W...Relinquished by: Art W...Date: 7/27/22 Time: 1101Date: 7/27/22 Time: 1820

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**HALL ENVIRONMENTAL  
ANALYSIS LABORATORY**

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

## Analysis Request

TPH:8015D(GRO / DRO / MRO) ☐

8081 Pesticides/8082 PCB's ☐

EDB (Method 504.1) ☐

PAHs by 8310 or 8270SIMS ☐

RCRA 8 Metals ☐

NO<sub>3</sub>, NO<sub>2</sub>, PO<sub>4</sub>, PO<sub>4</sub> ☐

8260 (VOA) ☐

8270 (Semi-VOA) ☐

Total Coliform (Present/Absent) ☐

BTX / MTBE / TMBs (8021) ☒

✓

✓

✓

Remarks:

See page 1

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Safe Day



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

July 27, 2022

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

RE: A New Dawn DR GL

OrderNo.: 2207B14

Dear Kyle Summers:

Hall Environmental Analysis Laboratory received 14 sample(s) on 7/22/2022 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](http://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 2207B14

Date Reported: 7/27/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: FP-1

Project: A New Dawn DR GL

Collection Date: 7/21/2022 10:05:00 AM

Lab ID: 2207B14-002

Matrix: SOIL

Received Date: 7/22/2022 6:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>NAI</b>
Chloride	ND	60		mg/Kg	20	7/22/2022 10:59:06 AM	68986
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	18	15		mg/Kg	1	7/22/2022 12:24:53 PM	68982
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	7/22/2022 12:24:53 PM	68982
Surr: DNOP	96.5	51.1-141		%Rec	1	7/22/2022 12:24:53 PM	68982
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	3.2		mg/Kg	1	7/22/2022 9:26:19 AM	G89719
Surr: BFB	105	37.7-212		%Rec	1	7/22/2022 9:26:19 AM	G89719
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.016		mg/Kg	1	7/22/2022 9:26:19 AM	B89719
Toluene	ND	0.032		mg/Kg	1	7/22/2022 9:26:19 AM	B89719
Ethylbenzene	ND	0.032		mg/Kg	1	7/22/2022 9:26:19 AM	B89719
Xylenes, Total	ND	0.064		mg/Kg	1	7/22/2022 9:26:19 AM	B89719
Surr: 4-Bromofluorobenzene	98.7	70-130		%Rec	1	7/22/2022 9:26:19 AM	B89719

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

<b>Qualifiers:</b>	*	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 2207B14

Date Reported: 7/27/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: FP-2

Project: A New Dawn DR GL

Collection Date: 7/21/2022 10:10:00 AM

Lab ID: 2207B14-003

Matrix: SOIL

Received Date: 7/22/2022 6:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>NAI</b>
Chloride	ND	60		mg/Kg	20	7/22/2022 11:11:30 AM	68986
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	7/22/2022 12:48:35 PM	68982
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	7/22/2022 12:48:35 PM	68982
Surr: DNOP	96.2	51.1-141		%Rec	1	7/22/2022 12:48:35 PM	68982
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	3.3		mg/Kg	1	7/22/2022 9:49:53 AM	G89719
Surr: BFB	102	37.7-212		%Rec	1	7/22/2022 9:49:53 AM	G89719
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.017		mg/Kg	1	7/22/2022 9:49:53 AM	B89719
Toluene	ND	0.033		mg/Kg	1	7/22/2022 9:49:53 AM	B89719
Ethylbenzene	ND	0.033		mg/Kg	1	7/22/2022 9:49:53 AM	B89719
Xylenes, Total	ND	0.066		mg/Kg	1	7/22/2022 9:49:53 AM	B89719
Surr: 4-Bromofluorobenzene	103	70-130		%Rec	1	7/22/2022 9:49:53 AM	B89719

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

<b>Qualifiers:</b>	*	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 2207B14

Date Reported: 7/27/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: FP-3

Project: A New Dawn DR GL

Collection Date: 7/21/2022 10:15:00 AM

Lab ID: 2207B14-004

Matrix: SOIL

Received Date: 7/22/2022 6:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>NAI</b>
Chloride	ND	60		mg/Kg	20	7/22/2022 11:23:54 AM	68986
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	7/22/2022 1:12:17 PM	68982
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	7/22/2022 1:12:17 PM	68982
Surr: DNOP	94.1	51.1-141		%Rec	1	7/22/2022 1:12:17 PM	68982
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	3.5		mg/Kg	1	7/22/2022 10:28:25 AM	G89719
Surr: BFB	105	37.7-212		%Rec	1	7/22/2022 10:28:25 AM	G89719
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.018		mg/Kg	1	7/22/2022 10:28:25 AM	B89719
Toluene	ND	0.035		mg/Kg	1	7/22/2022 10:28:25 AM	B89719
Ethylbenzene	ND	0.035		mg/Kg	1	7/22/2022 10:28:25 AM	B89719
Xylenes, Total	ND	0.070		mg/Kg	1	7/22/2022 10:28:25 AM	B89719
Surr: 4-Bromofluorobenzene	131	70-130	S	%Rec	1	7/22/2022 10:28:25 AM	B89719

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

<b>Qualifiers:</b>	*	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 2207B14

Date Reported: 7/27/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: FP-4

Project: A New Dawn DR GL

Collection Date: 7/21/2022 10:20:00 AM

Lab ID: 2207B14-005

Matrix: SOIL

Received Date: 7/22/2022 6:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>NAI</b>
Chloride	ND	60		mg/Kg	20	7/22/2022 11:36:18 AM	68986
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	7/22/2022 1:36:01 PM	68982
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	7/22/2022 1:36:01 PM	68982
Surr: DNOP	93.9	51.1-141		%Rec	1	7/22/2022 1:36:01 PM	68982
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	3.6		mg/Kg	1	7/22/2022 10:52:06 AM	G89719
Surr: BFB	91.3	37.7-212		%Rec	1	7/22/2022 10:52:06 AM	G89719
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.018		mg/Kg	1	7/22/2022 10:52:06 AM	B89719
Toluene	ND	0.036		mg/Kg	1	7/22/2022 10:52:06 AM	B89719
Ethylbenzene	ND	0.036		mg/Kg	1	7/22/2022 10:52:06 AM	B89719
Xylenes, Total	ND	0.073		mg/Kg	1	7/22/2022 10:52:06 AM	B89719
Surr: 4-Bromofluorobenzene	103	70-130		%Rec	1	7/22/2022 10:52:06 AM	B89719

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

<b>Qualifiers:</b>	*	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 2207B14

Date Reported: 7/27/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: FP-5

Project: A New Dawn DR GL

Collection Date: 7/21/2022 10:25:00 AM

Lab ID: 2207B14-006

Matrix: SOIL

Received Date: 7/22/2022 6:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>NAI</b>
Chloride	ND	60		mg/Kg	20	7/22/2022 11:48:43 AM	68986
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>JME</b>
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	7/22/2022 11:30:21 AM	68982
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	7/22/2022 11:30:21 AM	68982
Surr: DNOP	81.5	21-129		%Rec	1	7/22/2022 11:30:21 AM	68982
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	3.5		mg/Kg	1	7/22/2022 11:15:49 AM	G89719
Surr: BFB	84.6	37.7-212		%Rec	1	7/22/2022 11:15:49 AM	G89719
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.018		mg/Kg	1	7/22/2022 11:15:49 AM	B89719
Toluene	ND	0.035		mg/Kg	1	7/22/2022 11:15:49 AM	B89719
Ethylbenzene	ND	0.035		mg/Kg	1	7/22/2022 11:15:49 AM	B89719
Xylenes, Total	ND	0.071		mg/Kg	1	7/22/2022 11:15:49 AM	B89719
Surr: 4-Bromofluorobenzene	103	70-130		%Rec	1	7/22/2022 11:15:49 AM	B89719

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

<b>Qualifiers:</b>	*	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 2207B14

Date Reported: 7/27/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: FP-6

Project: A New Dawn DR GL

Collection Date: 7/21/2022 10:30:00 AM

Lab ID: 2207B14-007

Matrix: SOIL

Received Date: 7/22/2022 6:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>NAI</b>
Chloride	ND	60		mg/Kg	20	7/22/2022 12:25:57 PM	68986
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>JME</b>
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	7/22/2022 11:43:49 AM	68982
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	7/22/2022 11:43:49 AM	68982
Surr: DNOP	83.7	21-129		%Rec	1	7/22/2022 11:43:49 AM	68982
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	3.6		mg/Kg	1	7/22/2022 11:39:35 AM	G89719
Surr: BFB	86.5	37.7-212		%Rec	1	7/22/2022 11:39:35 AM	G89719
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.018		mg/Kg	1	7/22/2022 11:39:35 AM	B89719
Toluene	ND	0.036		mg/Kg	1	7/22/2022 11:39:35 AM	B89719
Ethylbenzene	ND	0.036		mg/Kg	1	7/22/2022 11:39:35 AM	B89719
Xylenes, Total	ND	0.072		mg/Kg	1	7/22/2022 11:39:35 AM	B89719
Surr: 4-Bromofluorobenzene	106	70-130		%Rec	1	7/22/2022 11:39:35 AM	B89719

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

<b>Qualifiers:</b>	*	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 2207B14

Date Reported: 7/27/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: FP-7

Project: A New Dawn DR GL

Collection Date: 7/21/2022 10:35:00 AM

Lab ID: 2207B14-008

Matrix: SOIL

Received Date: 7/22/2022 6:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>NAI</b>
Chloride	ND	60		mg/Kg	20	7/22/2022 12:38:21 PM	68986
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>JME</b>
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	7/22/2022 11:57:25 AM	68982
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	7/22/2022 11:57:25 AM	68982
Surr: DNOP	79.9	21-129		%Rec	1	7/22/2022 11:57:25 AM	68982
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	3.4		mg/Kg	1	7/22/2022 12:03:20 PM	G89719
Surr: BFB	89.8	37.7-212		%Rec	1	7/22/2022 12:03:20 PM	G89719
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.017		mg/Kg	1	7/22/2022 12:03:20 PM	B89719
Toluene	ND	0.034		mg/Kg	1	7/22/2022 12:03:20 PM	B89719
Ethylbenzene	ND	0.034		mg/Kg	1	7/22/2022 12:03:20 PM	B89719
Xylenes, Total	ND	0.067		mg/Kg	1	7/22/2022 12:03:20 PM	B89719
Surr: 4-Bromofluorobenzene	105	70-130		%Rec	1	7/22/2022 12:03:20 PM	B89719

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

<b>Qualifiers:</b>	*	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 2207B14

Date Reported: 7/27/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: FP-8

Project: A New Dawn DR GL

Collection Date: 7/21/2022 10:40:00 AM

Lab ID: 2207B14-009

Matrix: SOIL

Received Date: 7/22/2022 6:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>NAI</b>
Chloride	ND	60		mg/Kg	20	7/22/2022 12:50:45 PM	68986
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>JME</b>
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	7/22/2022 12:10:55 PM	68982
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	7/22/2022 12:10:55 PM	68982
Surr: DNOP	83.0	21-129		%Rec	1	7/22/2022 12:10:55 PM	68982
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	3.5		mg/Kg	1	7/22/2022 12:27:09 PM	G89719
Surr: BFB	91.4	37.7-212		%Rec	1	7/22/2022 12:27:09 PM	G89719
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.018		mg/Kg	1	7/22/2022 12:27:09 PM	B89719
Toluene	ND	0.035		mg/Kg	1	7/22/2022 12:27:09 PM	B89719
Ethylbenzene	ND	0.035		mg/Kg	1	7/22/2022 12:27:09 PM	B89719
Xylenes, Total	ND	0.071		mg/Kg	1	7/22/2022 12:27:09 PM	B89719
Surr: 4-Bromofluorobenzene	103	70-130		%Rec	1	7/22/2022 12:27:09 PM	B89719

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

<b>Qualifiers:</b>	*	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 2207B14

Date Reported: 7/27/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: FPW-1

Project: A New Dawn DR GL

Collection Date: 7/21/2022 10:45:00 AM

Lab ID: 2207B14-010

Matrix: SOIL

Received Date: 7/22/2022 6:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>NAI</b>
Chloride	ND	60		mg/Kg	20	7/22/2022 1:03:10 PM	68986
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>JME</b>
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	7/22/2022 12:24:25 PM	68982
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	7/22/2022 12:24:25 PM	68982
Surr: DNOP	82.6	21-129		%Rec	1	7/22/2022 12:24:25 PM	68982
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	3.6		mg/Kg	1	7/22/2022 12:51:00 PM	G89719
Surr: BFB	85.6	37.7-212		%Rec	1	7/22/2022 12:51:00 PM	G89719
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.018		mg/Kg	1	7/22/2022 12:51:00 PM	B89719
Toluene	ND	0.036		mg/Kg	1	7/22/2022 12:51:00 PM	B89719
Ethylbenzene	ND	0.036		mg/Kg	1	7/22/2022 12:51:00 PM	B89719
Xylenes, Total	ND	0.073		mg/Kg	1	7/22/2022 12:51:00 PM	B89719
Surr: 4-Bromofluorobenzene	104	70-130		%Rec	1	7/22/2022 12:51:00 PM	B89719

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

<b>Qualifiers:</b>	*	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 2207B14

Date Reported: 7/27/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: FPW-2

Project: A New Dawn DR GL

Collection Date: 7/21/2022 10:50:00 AM

Lab ID: 2207B14-011

Matrix: SOIL

Received Date: 7/22/2022 6:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>NAI</b>
Chloride	ND	61		mg/Kg	20	7/22/2022 1:15:34 PM	68986
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>JME</b>
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	7/22/2022 12:37:51 PM	68982
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	7/22/2022 12:37:51 PM	68982
Surr: DNOP	84.6	21-129		%Rec	1	7/22/2022 12:37:51 PM	68982
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	3.4		mg/Kg	1	7/22/2022 2:02:41 PM	G89719
Surr: BFB	89.7	37.7-212		%Rec	1	7/22/2022 2:02:41 PM	G89719
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.017		mg/Kg	1	7/22/2022 2:02:41 PM	B89719
Toluene	ND	0.034		mg/Kg	1	7/22/2022 2:02:41 PM	B89719
Ethylbenzene	ND	0.034		mg/Kg	1	7/22/2022 2:02:41 PM	B89719
Xylenes, Total	ND	0.068		mg/Kg	1	7/22/2022 2:02:41 PM	B89719
Surr: 4-Bromofluorobenzene	105	70-130		%Rec	1	7/22/2022 2:02:41 PM	B89719

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

<b>Qualifiers:</b>	*	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 2207B14

Date Reported: 7/27/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-5A

Project: A New Dawn DR GL

Collection Date: 7/21/2022 10:55:00 AM

Lab ID: 2207B14-012

Matrix: SOIL

Received Date: 7/22/2022 6:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>NAI</b>
Chloride	ND	59		mg/Kg	20	7/22/2022 1:27:58 PM	68986
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>JME</b>
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	7/22/2022 11:34:06 AM	68982
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	7/22/2022 11:34:06 AM	68982
Surr: DNOP	102	21-129		%Rec	1	7/22/2022 11:34:06 AM	68982
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	3.6		mg/Kg	1	7/22/2022 2:26:39 PM	G89719
Surr: BFB	86.8	37.7-212		%Rec	1	7/22/2022 2:26:39 PM	G89719
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.018		mg/Kg	1	7/22/2022 2:26:39 PM	B89719
Toluene	ND	0.036		mg/Kg	1	7/22/2022 2:26:39 PM	B89719
Ethylbenzene	ND	0.036		mg/Kg	1	7/22/2022 2:26:39 PM	B89719
Xylenes, Total	0.13	0.072		mg/Kg	1	7/22/2022 2:26:39 PM	B89719
Surr: 4-Bromofluorobenzene	104	70-130		%Rec	1	7/22/2022 2:26:39 PM	B89719

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

<b>Qualifiers:</b>	*	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 2207B14

Date Reported: 7/27/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-7

Project: A New Dawn DR GL

Collection Date: 7/21/2022 2:00:00 PM

Lab ID: 2207B14-013

Matrix: SOIL

Received Date: 7/22/2022 6:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>NAI</b>
Chloride	ND	60		mg/Kg	20	7/22/2022 1:40:22 PM	68986
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>JME</b>
Diesel Range Organics (DRO)	32	14		mg/Kg	1	7/22/2022 11:58:42 AM	68982
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	7/22/2022 11:58:42 AM	68982
Surr: DNOP	100	21-129		%Rec	1	7/22/2022 11:58:42 AM	68982
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	18		mg/Kg	5	7/22/2022 2:50:43 PM	G89719
Surr: BFB	90.5	37.7-212		%Rec	5	7/22/2022 2:50:43 PM	G89719
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.089		mg/Kg	5	7/22/2022 2:50:43 PM	B89719
Toluene	ND	0.18		mg/Kg	5	7/22/2022 2:50:43 PM	B89719
Ethylbenzene	ND	0.18		mg/Kg	5	7/22/2022 2:50:43 PM	B89719
Xylenes, Total	ND	0.36		mg/Kg	5	7/22/2022 2:50:43 PM	B89719
Surr: 4-Bromofluorobenzene	105	70-130		%Rec	5	7/22/2022 2:50:43 PM	B89719

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

<b>Qualifiers:</b>	*	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 2207B14

Date Reported: 7/27/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-8

Project: A New Dawn DR GL

Collection Date: 7/21/2022 2:05:00 PM

Lab ID: 2207B14-014

Matrix: SOIL

Received Date: 7/22/2022 6:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>NAI</b>
Chloride	ND	60		mg/Kg	20	7/22/2022 1:52:47 PM	68986
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>JME</b>
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	7/22/2022 12:23:19 PM	68982
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	7/22/2022 12:23:19 PM	68982
Surr: DNOP	104	21-129		%Rec	1	7/22/2022 12:23:19 PM	68982
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	3.5		mg/Kg	1	7/22/2022 3:14:53 PM	G89719
Surr: BFB	93.2	37.7-212		%Rec	1	7/22/2022 3:14:53 PM	G89719
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.018		mg/Kg	1	7/22/2022 3:14:53 PM	B89719
Toluene	ND	0.035		mg/Kg	1	7/22/2022 3:14:53 PM	B89719
Ethylbenzene	ND	0.035		mg/Kg	1	7/22/2022 3:14:53 PM	B89719
Xylenes, Total	ND	0.070		mg/Kg	1	7/22/2022 3:14:53 PM	B89719
Surr: 4-Bromofluorobenzene	110	70-130		%Rec	1	7/22/2022 3:14:53 PM	B89719

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

<b>Qualifiers:</b>	*	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#: 2207B14

27-Jul-22

Client: ENSOLUM

Project: A New Dawn DR GL

Sample ID: MB-68986		SampType: mblk		TestCode: EPA Method 300.0: Anions						
Client ID: PBS		Batch ID: 68986		RunNo: 89714						
Prep Date: 7/22/2022		Analysis Date: 7/22/2022		SeqNo: 3195885		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-68986		SampType: lcs		TestCode: EPA Method 300.0: Anions						
Client ID: LCSS		Batch ID: 68986		RunNo: 89714						
Prep Date: 7/22/2022		Analysis Date: 7/22/2022		SeqNo: 3195886		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	92.6	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#: 2207B14

27-Jul-22

**Client:** ENSOLUM  
**Project:** A New Dawn DR GL

Sample ID: <b>MB-68982</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>PBS</b>	Batch ID: <b>68982</b>	RunNo: <b>89708</b>								
Prep Date: <b>7/22/2022</b>	Analysis Date: <b>7/22/2022</b>	SeqNo: <b>3194189</b> Units: <b>mg/Kg</b>								
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	9.4		10.00		94.0	51.1	141			

Sample ID: <b>LCS-68982</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>68982</b>	RunNo: <b>89708</b>								
Prep Date: <b>7/22/2022</b>	Analysis Date: <b>7/22/2022</b>	SeqNo: <b>3194190</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	45	15	50.00	0	89.2	64.4	127			
Surr: DNOP	4.5		5.000		90.1	51.1	141			

Sample ID: <b>2207B14-001AMS</b>	SampType: <b>MS</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>S-1A</b>	Batch ID: <b>68982</b>	RunNo: <b>89708</b>								
Prep Date: <b>7/22/2022</b>	Analysis Date: <b>7/22/2022</b>	SeqNo: <b>3196375</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	49	15	49.36	0	99.4	36.1	154			
Surr: DNOP	4.8		4.936		97.6	21	129			

Sample ID: <b>2207B14-001AMSD</b>	SampType: <b>MSD</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>S-1A</b>	Batch ID: <b>68982</b>	RunNo: <b>89708</b>								
Prep Date: <b>7/22/2022</b>	Analysis Date: <b>7/22/2022</b>	SeqNo: <b>3196376</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	49	15	49.41	0	99.4	36.1	154	0.0907	33.9	
Surr: DNOP	4.9		4.941		99.7	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		

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

WO#: 2207B14

27-Jul-22

**Client:** ENSOLUM  
**Project:** A New Dawn DR GL

Sample ID: <b>mb</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015D: Gasoline Range</b>								
Client ID: <b>PBS</b>	Batch ID: <b>G89719</b>	RunNo: <b>89719</b>								
Prep Date:	Analysis Date: <b>7/22/2022</b>	SeqNo: <b>3194978</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1000		1000		104	37.7	212			

Sample ID: <b>2.5ug gro lcs</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015D: Gasoline Range</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>G89719</b>	RunNo: <b>89719</b>								
Prep Date:	Analysis Date: <b>7/22/2022</b>	SeqNo: <b>3194979</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	23	5.0	25.00	0	93.3	72.3	137			
Surr: BFB	1900		1000		188	37.7	212			

Sample ID: <b>2207b14-001ams</b>	SampType: <b>MS</b>	TestCode: <b>EPA Method 8015D: Gasoline Range</b>								
Client ID: <b>S-1A</b>	Batch ID: <b>G89719</b>	RunNo: <b>89719</b>								
Prep Date:	Analysis Date: <b>7/22/2022</b>	SeqNo: <b>3194994</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	15	3.3	16.72	0	90.1	70	130			
Surr: BFB	1100		668.9		172	37.7	212			

Sample ID: <b>2207b14-001amsd</b>	SampType: <b>MSD</b>	TestCode: <b>EPA Method 8015D: Gasoline Range</b>								
Client ID: <b>S-1A</b>	Batch ID: <b>G89719</b>	RunNo: <b>89719</b>								
Prep Date:	Analysis Date: <b>7/22/2022</b>	SeqNo: <b>3194995</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	15	3.3	16.72	0	91.0	70	130	0.972	20	
Surr: BFB	1200		668.9		175	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#: 2207B14

27-Jul-22

**Client:** ENSOLUM  
**Project:** A New Dawn DR GL

Sample ID: <b>mb</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>PBS</b>	Batch ID: <b>B89719</b>	RunNo: <b>89719</b>								
Prep Date:	Analysis Date: <b>7/22/2022</b>	SeqNo: <b>3195051</b> Units: <b>mg/Kg</b>								
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		99.8	70	130			

Sample ID: <b>100ng btex lcs</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>B89719</b>	RunNo: <b>89719</b>								
Prep Date:	Analysis Date: <b>7/22/2022</b>	SeqNo: <b>3195052</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.96	0.025	1.000	0	96.2	80	120			
Toluene	1.0	0.050	1.000	0	100	80	120			
Ethylbenzene	1.0	0.050	1.000	0	100	80	120			
Xylenes, Total	3.0	0.10	3.000	0	99.0	80	120			
Surr: 4-Bromofluorobenzene	1.0		1.000		103	70	130			

Sample ID: <b>2207b14-002ams</b>	SampType: <b>MS</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>FP-1</b>	Batch ID: <b>B89719</b>	RunNo: <b>89719</b>								
Prep Date:	Analysis Date: <b>7/22/2022</b>	SeqNo: <b>3195067</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.57	0.016	0.6353	0	89.4	68.8	120			
Toluene	0.60	0.032	0.6353	0	94.0	73.6	124			
Ethylbenzene	0.61	0.032	0.6353	0	96.4	72.7	129			
Xylenes, Total	1.8	0.064	1.906	0	95.6	75.7	126			
Surr: 4-Bromofluorobenzene	0.67		0.6353		106	70	130			

Sample ID: <b>2207b14-002amsd</b>	SampType: <b>MSD</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>FP-1</b>	Batch ID: <b>B89719</b>	RunNo: <b>89719</b>								
Prep Date:	Analysis Date: <b>7/22/2022</b>	SeqNo: <b>3195068</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.56	0.016	0.6353	0	88.1	68.8	120	1.51	20	
Toluene	0.60	0.032	0.6353	0	94.4	73.6	124	0.329	20	
Ethylbenzene	0.61	0.032	0.6353	0	95.7	72.7	129	0.728	20	
Xylenes, Total	1.8	0.064	1.906	0	95.7	75.7	126	0.0801	20	
Surr: 4-Bromofluorobenzene	0.69		0.6353		109	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: 2207B14

RcptNo: 1

Received By: Juan Rojas

7/22/2022 6:25:00 AM

*Juan Rojas*

Completed By: Juan Rojas

7/22/2022 6:53:20 AM

*Juan Rojas*Reviewed By: *Cme**7/22/22*

### 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  $6.0^{\circ}\text{C}$ ? 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 7/22/22*

### 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	1.9	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 226491

CONDITIONS

Operator: Enterprise Field Services, LLC PO Box 4324 Houston, TX 77210	OGRID: 241602
	Action Number: 226491
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
nvelez	None	6/13/2023