

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

State of New Mexico
Energy Minerals and Natural
Resources Department

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

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

Incident ID	
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party: Enterprise Field Services, LLC	OGRID: 241602
Contact Name: Thomas Long	Contact Telephone: 505-599-2286
Contact email: tjlong@eprod.com	Incident # (assigned by OCD) nAPP2217138691
Contact mailing address: 614 Reilly Ave, Farmington, NM 87401	

Location of Release Source

Latitude **36.577109** Longitude **-107.867766** (NAD 83 in decimal degrees to 5 decimal places)

Site Name CM Morris #1	Site Type Natural Gas Gathering Pipeline
Date Release Discovered: 06/10/2022	Serial Number (if applicable): N/A

Unit Letter	Section	Township	Range	County
F	14	27N	10W	San Juan

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

Nature and Volume of Release

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

<input type="checkbox"/> Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input type="checkbox"/> Yes <input type="checkbox"/> No
<input checked="" type="checkbox"/> Condensate	Volume Released (bbls): Estimated 10-15 BBLs	Volume Recovered (bbls): None
<input checked="" type="checkbox"/> Natural Gas	Volume Released (Mcf): 0.191 MCF	Volume Recovered (Mcf): None
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units):	Volume/Weight Recovered (provide units)

Cause of Release: On June 10, 2022, Enterprise had a release of natural gas and natural gas liquids from the CM Morris #1 pipeline. The pipeline was isolated, depressurized, locked and tagged out. The release occurred in a wash (blue line on a USGS Topo). No liquids were observed on the ground surface. No fire nor injuries occurred. Remediation and repairs were completed on July 19, 2022. The final excavation dimensions measured approximately 95 feet long by 35 feet wide by 32 feet deep. A total of 2,202 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: 10-11-2022

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

OCD Only

Received by: _____ Date: _____

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

Closure Approved by:  Date: 11/14/2022

Printed Name: Nelson Velez Title: Environmental Specialist – Adv



CLOSURE REPORT

Property:

CM Morris #1 (06/10/22)
Unit Letter F, S14 T27N R10W
San Juan County, New Mexico

New Mexico EMNRD OCD Incident ID No. NAPP2217138691

October 6, 2022

Ensolum Project No. 05A1226194

Prepared for:

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

Prepared by:

Raneet Deechilly
Project Manager

Kyle Summers
Senior Managing Geologist

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1.0 INTRODUCTION

1.1 Site Description & Background

Operator:	Enterprise Field Services, LLC / Enterprise Products Operating LLC (Enterprise)
Site Name:	CM Morris #1 (06/10/22) (Site)
NM EMNRD OCD Incident ID No.	NAPP2217138691
Location:	36.577109° North, 107.867766° West Unit Letter F, Section 14, Township 27 North, Range 10 West San Juan County, New Mexico
Property:	United States Bureau of Land Management (BLM)
Regulatory:	New Mexico (NM) Energy, Minerals and Natural Resources Department (EMNRD) Oil Conservation Division (OCD)

On June 10, 2022, Enterprise personnel identified a possible release from the CM Morris #1 pipeline. Enterprise personnel subsequently isolated and locked the pipeline out of service. Enterprise subsequently notified the NM EMNRD OCD of the release. On June 16, 2022, Enterprise initiated activities to remediate potential petroleum hydrocarbon impact.

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

1.2 Project Objective

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

2.0 CLOSURE CRITERIA

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

- The NM Office of the State Engineer (OSE) tracks the usage and assignment of water rights and water well installations and records this information in the Water Rights Reporting System (WRRS) database. Water wells and other points of diversion (PODs) are each assigned POD numbers in the database (which is searchable and includes an interactive map). No PODs were identified in the same Public Land Survey System (PLSS) section as the Site. One POD (SJ-04045-POD1) was identified in an adjacent PLSS section. POD SJ-04045-POD1 is located approximately 1.2 miles northeast of the Site with a listed depth to water of 50 feet and is approximately 120 feet lower in elevation than the Site (**Figure A**, **Appendix B**).

- Five cathodic protection wells (CPWs) were identified in the NM EMNRD OCD imaging database in the adjacent PLSS sections. These five CPWs are depicted on **Figure B (Appendix B)**. The records for the cathodic protection well located near the Gordon #500 well location indicate a depth to water of approximately 120 feet bgs. This cathodic protection well is located approximately 1.3 miles southwest of the Site and is approximately 74 feet higher in elevation than the Site. The record for the cathodic protection well located near the Hanks #501 well location indicates a depth to water of approximately 150 feet bgs. This cathodic protection well is located approximately 1.3 miles northeast of the Site and is approximately 90 feet lower in elevation than the Site. The record for the cathodic protection well located near the Knauff #1 well location indicates a depth to water of approximately 150 feet bgs. This cathodic protection well is located approximately 1.5 miles east of the Site and is approximately two feet higher in elevation than the Site. The records for the cathodic protection well located near the Gordon #5 well location indicate a depth to water of approximately 115 feet bgs. This cathodic protection well is located approximately 1.9 miles southwest of the Site and is approximately nine feet lower in elevation than the Site. The records for the cathodic protection well located near the Hanks #500 and #13 well locations indicate a depth to water of approximately 240 feet bgs. This cathodic protection well is located approximately 1.9 miles northeast of the Site and is approximately 220 feet higher in elevation than the Site.
- The Site is located within 300 feet of a NM EMNRD OCD-defined continuously flowing watercourse or significant watercourse (**Figure C, Appendix B**). An ephemeral wash is located adjacent to the Site.
- The Site is not located within 200 feet of a lakebed, sinkhole, or playa lake.
- The Site is not located within 300 feet of a permanent residence, school, hospital, institution, or church (**Figure D, Appendix B**).
- No springs, or private domestic 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, the Site is not within a 100-year floodplain (**Figure H, Appendix B**).

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

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

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

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

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

3.0 SOIL REMEDIATION ACTIVITIES

On July 16, 2022, Enterprise initiated activities to remediate petroleum hydrocarbon impact resulting from the release. During the remediation and corrective action activities, West States Energy Contractors (West States), provided heavy equipment and labor support, while Ensolum provided environmental consulting support.

The final excavation measured approximately 95 feet long and 39 feet wide at the maximum extents. The maximum depth of the excavation measured approximately 32 feet bgs. The lithology encountered during the completion of remediation activities consisted primarily of unconsolidated sand.

Approximately 2,202 cubic yards (yd³) of petroleum hydrocarbon affected soils and 45 barrels (bbls) of hydro-excavation soil cuttings and water were transported to the Envirotech, Inc., (Envirotech) landfarm near Hilltop, NM for disposal/remediation. The executed C-138 solid waste acceptance form is provided in **Appendix C**. The excavation was backfilled with imported fill and was subsequently contoured to the surrounding topography.

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

4.0 SOIL SAMPLING PROGRAM

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

Ensolum's soil sampling program included the collection of 43 composite soil samples (S-1 through S-41, S-35a, and S-36a), from the excavation for laboratory analysis. The composite samples were comprised of five aliquots each and represent an estimated 200 square foot (ft²) or less sample area per guidelines outlined in Section D of 19.15.29.12 NMAC. Hand tools and the excavator bucket were utilized to obtain fresh aliquots from each area of the excavation. Regulatory correspondence is provided in **Appendix E**.

First Sampling Event

On July 7, 2022, the first sampling event was performed at the Site. The NM EMNRD OCD and BLM were notified of the sampling event although no representatives were present during sampling activities. Composite soil samples S-1 (27') and S-2 (27') were collected from the floor of the excavation. Composite soil samples S-3 (13'-27'), S-4 (13'-27'), S-5 (13'-27'), S-6 (13'-27'), S-7 (0'-13'), S-8 (13'-20'), S-9 (20'-27'), S-10 (0'-13'), S-11 (13'-20'), and S-12 (20'-27') were collected from the walls of the excavation. Composite soil samples S-13 (13'), S-14 (8'), S-15 (3'), S-16 (3'), S-17 (8'), S-18 (13'), S-19 (0'-13'), S-20 (0'-10'), S-21 (0'-10'), S-22 (0'-13'), S-25 (13'), S-26 (8'), S-27 (13'), S-28 (8'), S-29 (0'-13'), S-30 (0'-10'), S-31 (0'-13'), S-32 (0'-10'), S-33 (3'), and S-34 (3') were collected from the sloped walls of the excavation. Composite soil samples S-23 (0'-4'), S-24 (0'-4'), S-35 (0'-4'), and S-36 (0'-4') were collected from the pipe chase overburden soil. Subsequent soil analytical results identified TPH concentrations that exceeded the NM EMNRD OCD closure criteria for composite soil samples S-1, S-2, S-5, S-6, and S-11. In response to the exceedances the excavation was enlarged. The impacted soil associated with composite samples S-1, S-2, S-5, S-6, and S-11 was removed by excavation and transported to the landfarm for disposal/remediation.

Soils associated with composite soil samples S-10, S-25 through S-28, and S-31 through S-34 (that did not exhibit closure standard exceedances from the first sampling event) had to be removed (benched) so the excavator could reach the bottom of the main excavation.

Second Sampling Event

On July 14, 2022, the second sampling event was performed at the Site. The NM EMNRD OCD and BLM were notified of the sampling event although no representatives were present during sampling activities. Composite samples S-35a (32') and S-36a (32') were collected from the floor of the middle section of the excavation to replace samples S-1 and S-2. These samples were designated with the "a" to differentiate them from the prior two sample designations (S-35 and S-36) that were inadvertently duplicated. Composite soil sample S-37 (13'-20') was collected from a wall of the excavation to replace sample S-11 which was removed by excavation and transported to the landfarm.

Third Sampling Event

On July 19, 2022, the third sampling event was performed at the Site. The NM EMNRD OCD and BLM were notified of the sampling event although no representatives were present during sampling activities. Composite samples S-38 (27'-32') and S-39 (27'-32') were collected from walls of the excavation. Composite soil samples S-40 (17'-32'), and S-41 (17'-32') were collected from walls of the excavation to replace samples S-5 and S-6 which were removed by excavation and transported to the landfarm.

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

5.0 SOIL LABORATORY ANALYTICAL METHODS

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

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

6.0 SOIL DATA EVALUATION

Ensolum compared the benzene, BTEX, TPH, and chloride laboratory analytical results or laboratory practical quantitation limits (PQLs) / reporting limits (RLs) associated with the composite soil samples (S-3, S-4, S-7 through S-10, S-12 through S-41, S-35a, and S-36a) to the applicable NM EMNRD OCD closure criteria. The soils associated with composite soil samples S-1, S-2, S-5, S-6, and S-11 were removed (due to COC exceedances) from the Site, and therefore, are not included in the following discussion.

- The laboratory analytical result for composite soil sample S-14 indicates a benzene concentration of 0.059 mg/kg, which is less than the applicable NM EMNRD OCD criteria of 10 mg/kg. The laboratory analytical results for all other composite soil samples indicate benzene is not present at concentrations greater than the laboratory PQLs/RLs, which are less than the applicable NM EMNRD OCD criteria of 10 mg/kg.
- The laboratory analytical results for composite soil samples S-3, S-4, S-8, S-10, S-12 through S-16, S-18, S-24, S-27, S-31, S-35a, and S-37 indicate total BTEX concentrations ranging from 0.11 mg/kg (S-15 and S-31) to 5.2 mg/kg (S-14), which are less than the applicable NM EMNRD OCD closure criteria of 50 mg/kg. The laboratory analytical results for all other composite soil samples indicate that total BTEX is not present in concentrations greater than the laboratory PQLs/RLs, which are less than the applicable NM EMNRD OCD closure criteria of 50 mg/kg.
- The laboratory analytical results for composite soil samples S-3, S-4, S-8, S-14, S-16, S-18, S-24, S-27, S-35, S-35a, and S-36 indicate combined TPH GRO/DRO/MRO concentrations ranging from 15 mg/kg (S-36) to 76 mg/kg (S-24), which are less than the applicable NM EMNRD OCD closure criteria of 100 mg/kg. The laboratory analytical results for all other composite soil samples indicate combined TPH GRO/DRO/MRO is not present in concentrations greater than the laboratory PQLs/RLs, which are less than the applicable NM EMNRD OCD closure criteria of 100 mg/kg.
- The laboratory analytical results for all composite soil samples representative of soils remaining at the Site indicate chloride is not present at concentrations greater than the laboratory PQLs/RLs, which are less than the applicable NM EMNRD OCD closure criteria of 600 mg/kg.

7.0 RECLAMATION AND REVEGETATION

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

8.0 FINDINGS AND RECOMMENDATION

- Forty-three composite soil samples were collected from the Site. Based on laboratory analytical results, no benzene, BTEX, chloride, or combined TPH GRO/DRO/MRO exceedances were identified in the soils remaining at the Site.
- Approximately 2,202 yd³ of petroleum hydrocarbon affected soils and 45 bbls of hydro-excavation soil cuttings and water were transported to the Envirotech landfarm for disposal/remediation. The excavation was backfilled with imported fill and was subsequently contoured to the surrounding topography.

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

9.0 STANDARDS OF CARE, LIMITATIONS, AND RELIANCE

9.1 Standard of Care

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

9.2 Limitations

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

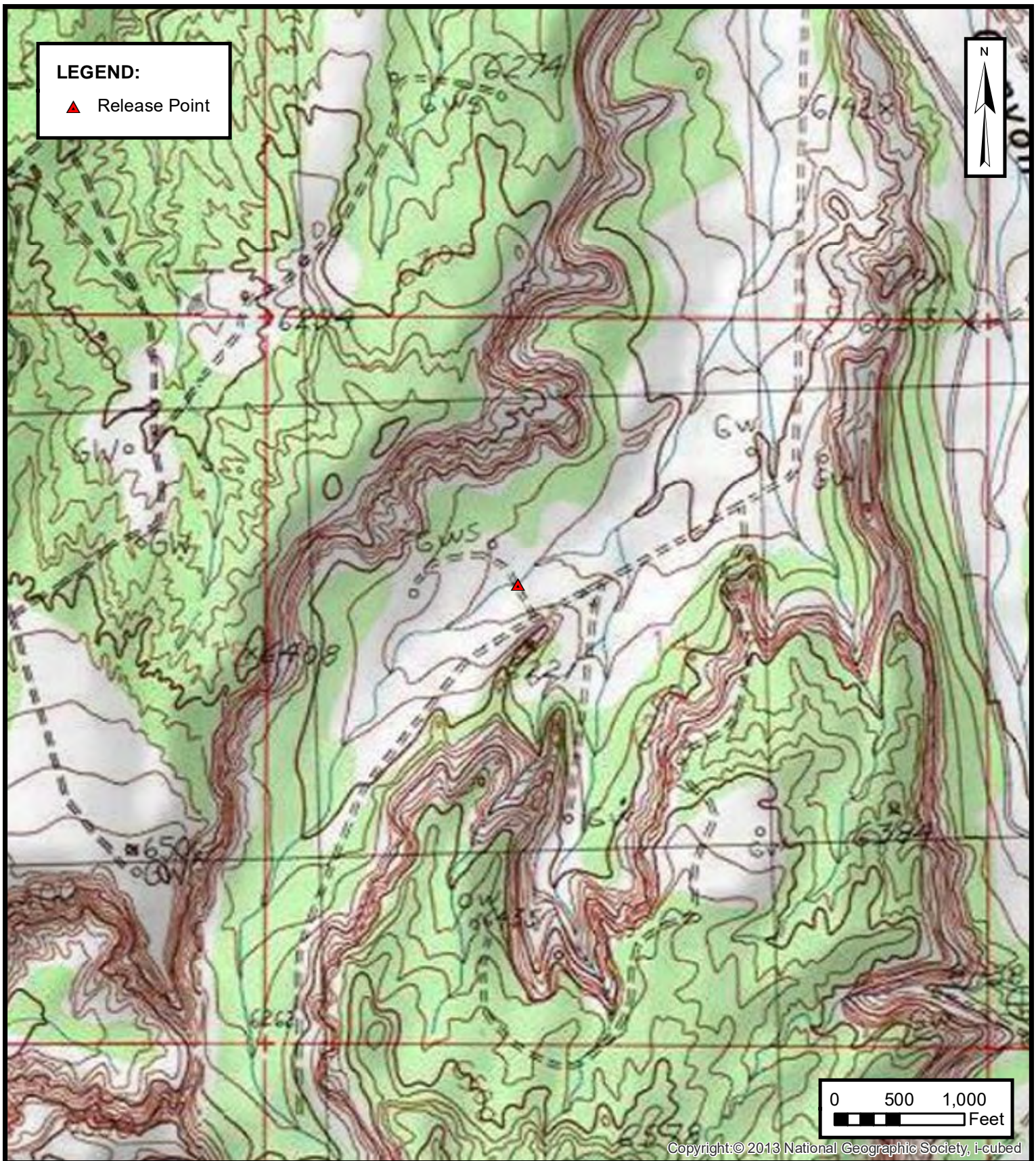
9.3 Reliance

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



APPENDIX A

Figures



TOPOGRAPHIC MAP

ENTERPRISE FIELD SERVICES, LLC
CM MORRIS #1 (06/10/22)
Unit Letter F, S14 T27N R10W, San Juan County, New Mexico
36.577109° N, 107.867766° W

PROJECT NUMBER: 05A1226194

FIGURE

1



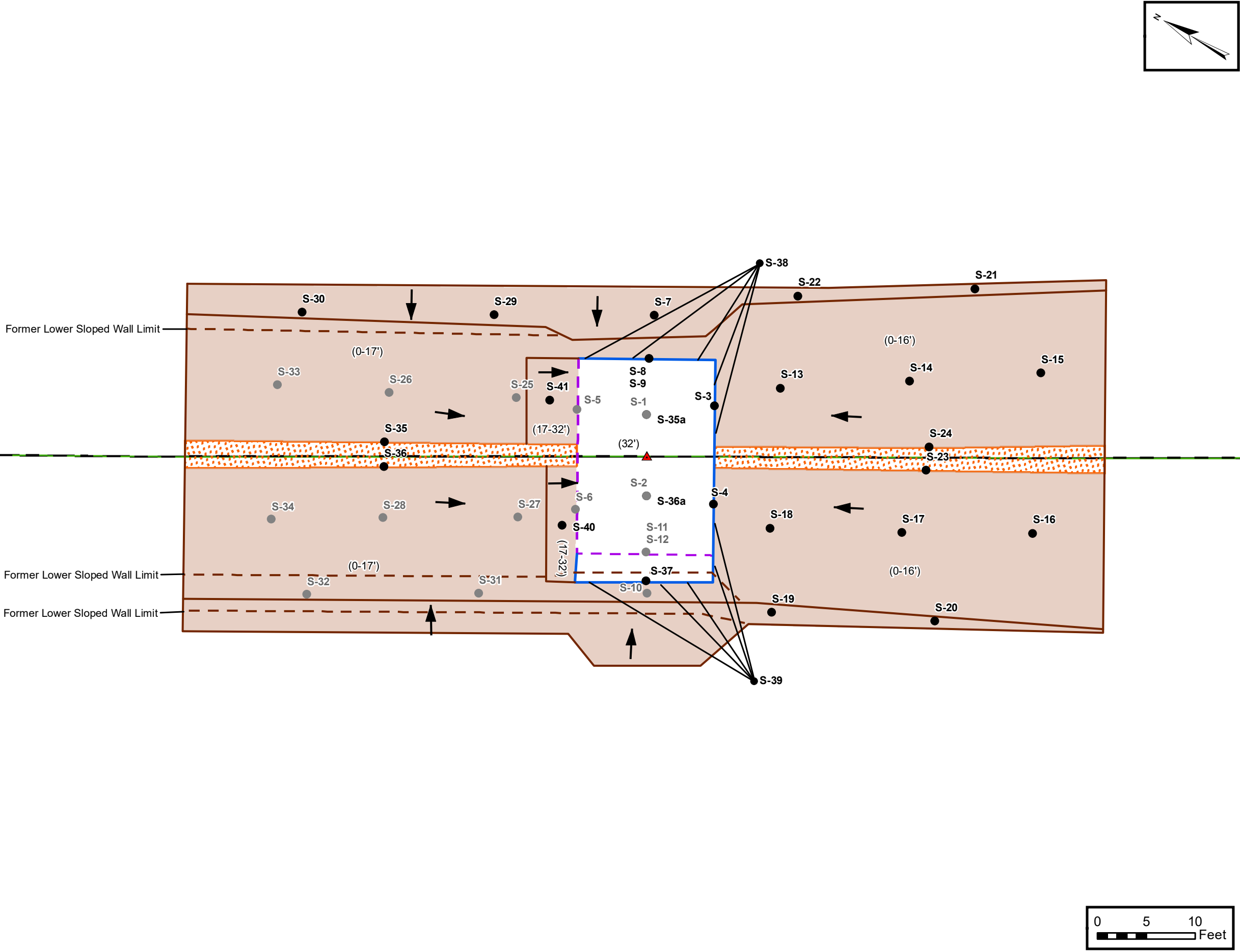
SITE VICINITY MAP

ENTERPRISE FIELD SERVICES, LLC
CM MORRIS #1 (06/10/22)
Unit Letter F, S14 T27N R10W, San Juan County, New Mexico
36.577109° N, 107.867766° W

PROJECT NUMBER: 05A1226194

FIGURE

2



- LEGEND:**
- ▲ Release Point
 - Composite Soil Sample Location
 - Composite Soil Sample Removed by Excavation
 - ▭ Extent of Excavation
 - ▨ Pipe Chase Overburden Soil
 - ➔ Sloped Area of Excavation
 - - - Former Wall
 - - - Approximate Pipeline Location

NOTES:
All Depths Are Listed in Feet BGS.



SITE MAP WITH SOIL SAMPLE LOCATIONS

ENTERPRISE FIELD SERVICES, LLC
CM MORRIS #1 (06/10/22)

Unit Letter F, S14 T27N R10W, San Juan County, New Mexico
36.577109° N, 107.867766° W

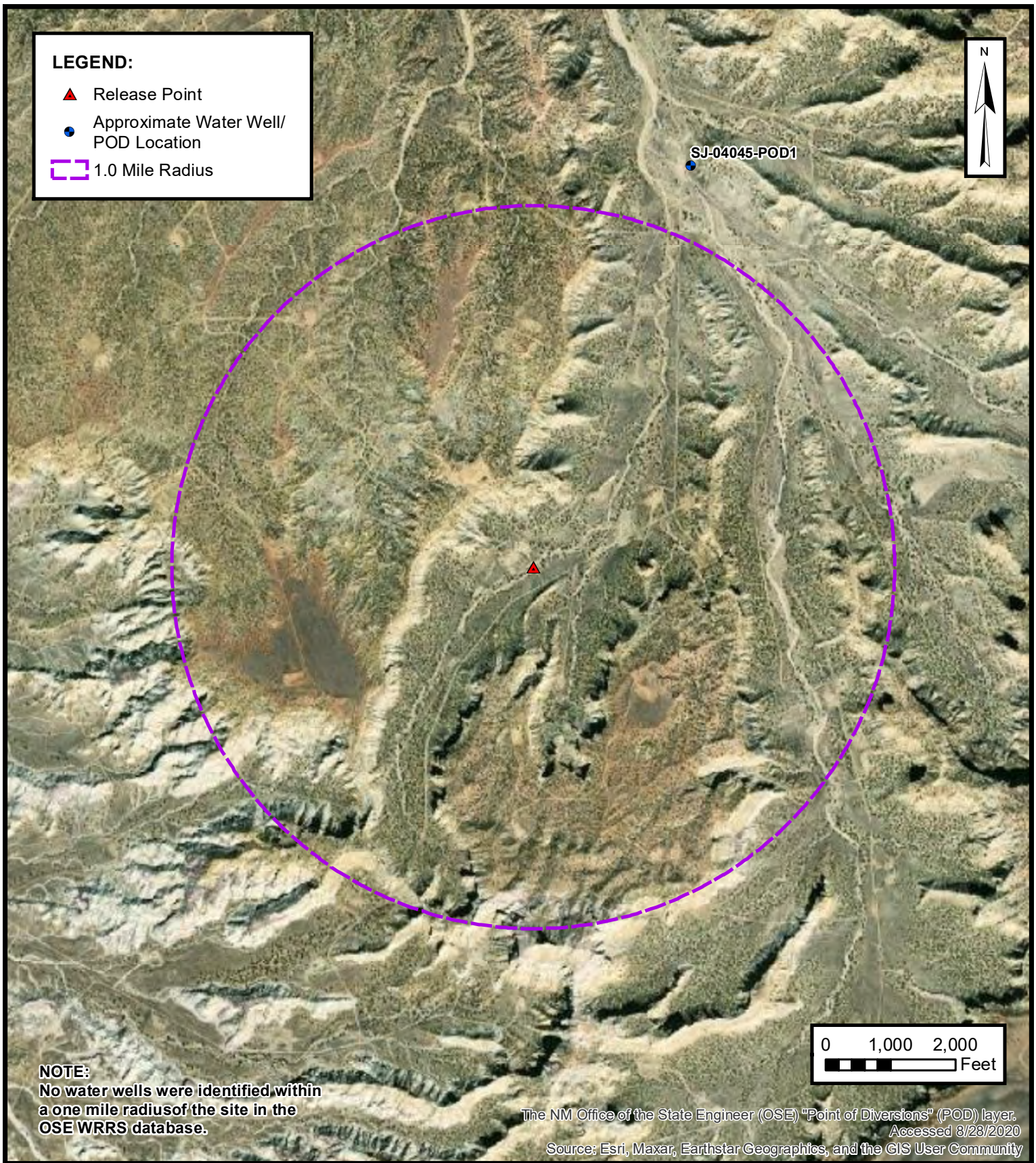
**FIGURE
3**

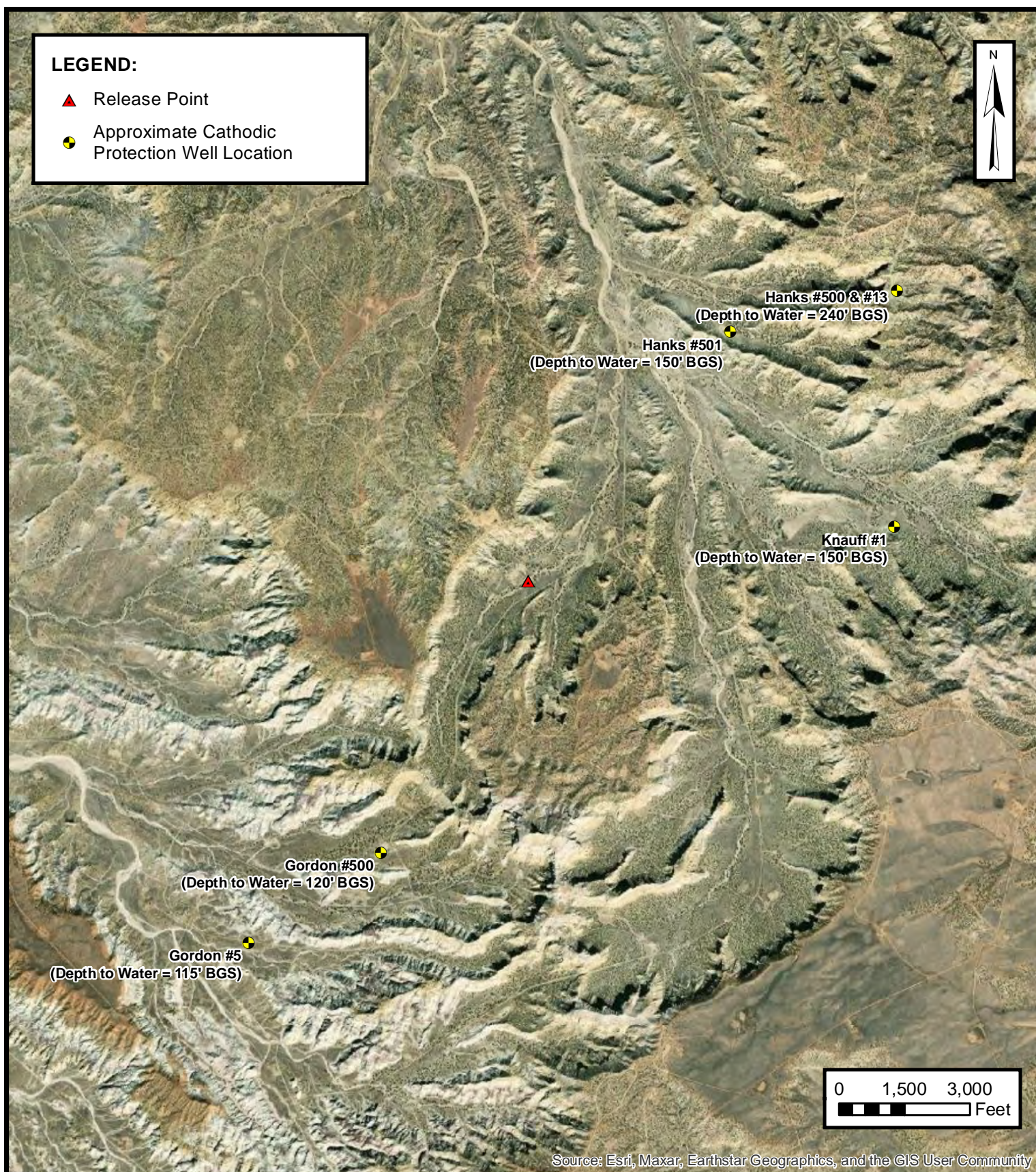
PROJECT NUMBER: 05A1226194



APPENDIX B

Siting Figures and Documentation





CATHODIC PROTECTION WELL RECORDED DEPTH TO WATER

ENTERPRISE FIELD SERVICES, LLC
CM MORRIS #1 (06/10/22)
Unit Letter F, S14 T27N R10W, San Juan County, New Mexico
36.577109° N, 107.867766° W

PROJECT NUMBER: 05A1226194

FIGURE
B



Environmental, Engineering and
Hydrogeologic Consultants

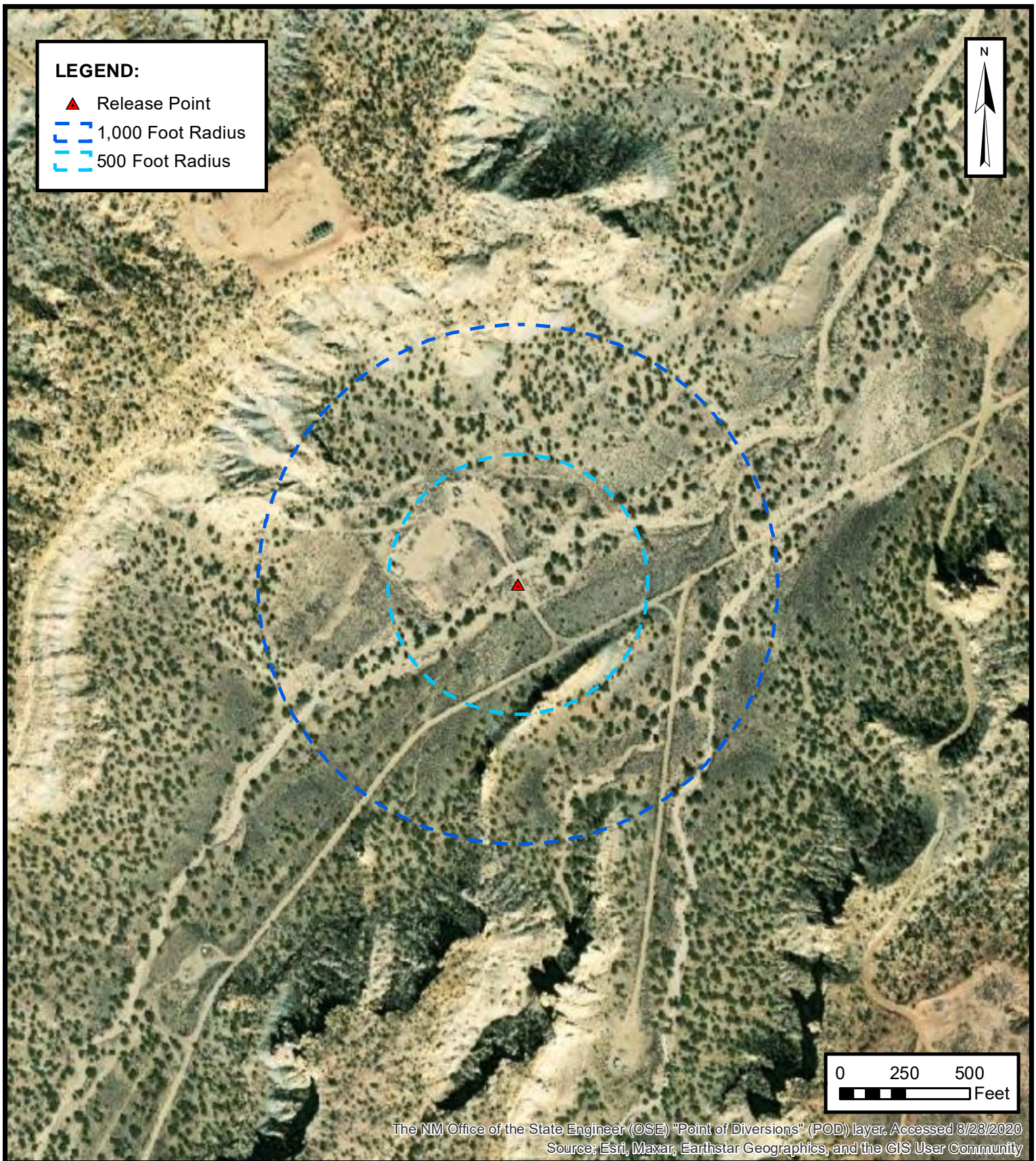
**300 FOOT RADIUS
WATERCOURSE AND DRAINAGE IDENTIFICATION**

ENTERPRISE FIELD SERVICES, LLC
CM MORRIS #1 (06/10/22)
Unit Letter F, S14 T27N R10W, San Juan County, New Mexico
36.577109° N, 107.867766° W

PROJECT NUMBER: 05A1226194

**FIGURE
C**

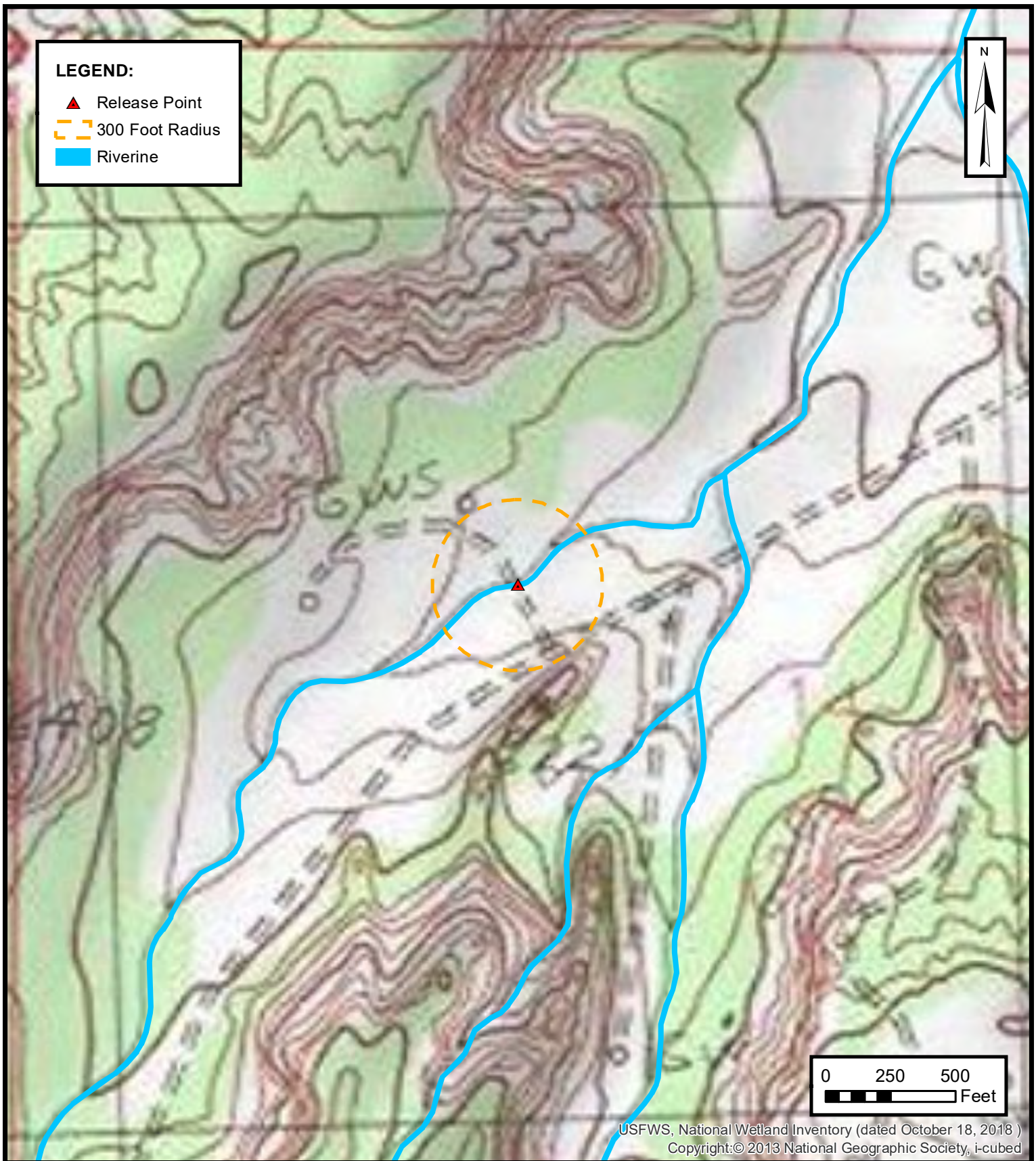


**WATER WELL AND NATURAL SPRING LOCATION**

ENTERPRISE FIELD SERVICES, LLC
CM MORRIS #1 (06/10/22)
Unit Letter F, S14 T27N R10W, San Juan County, New Mexico
36.577109° N, 107.867766° W

PROJECT NUMBER: 05A1226194

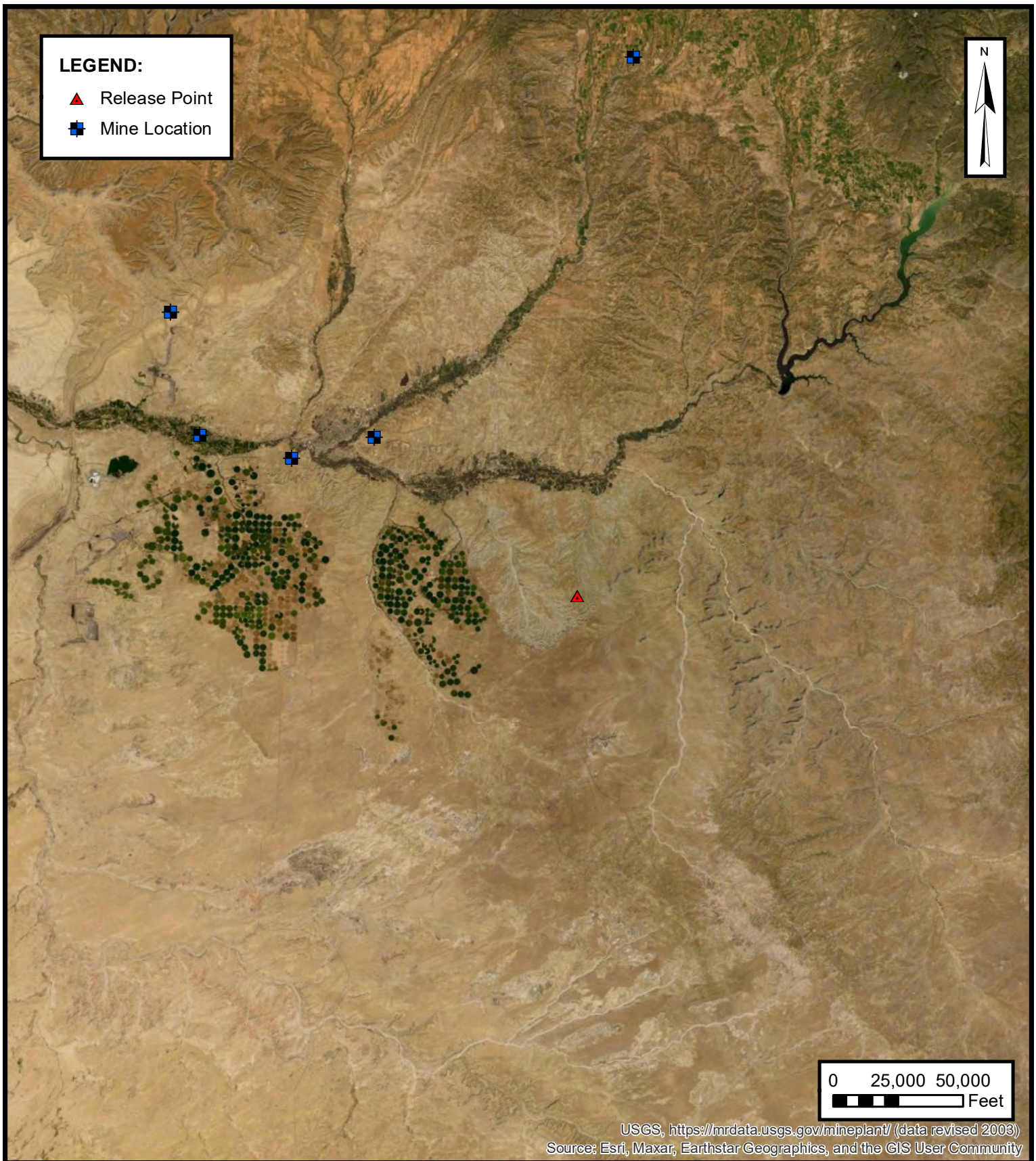
FIGURE
E

**WETLANDS**

ENTERPRISE FIELD SERVICES, LLC
CM MORRIS #1 (06/10/22)
Unit Letter F, S14 T27N R10W, San Juan County, New Mexico
36.577109° N, 107.867766° W

PROJECT NUMBER: 05A1226194

FIGURE
F



Environmental, Engineering and
Hydrogeologic Consultants

MINES, MILLS AND QUARRIES

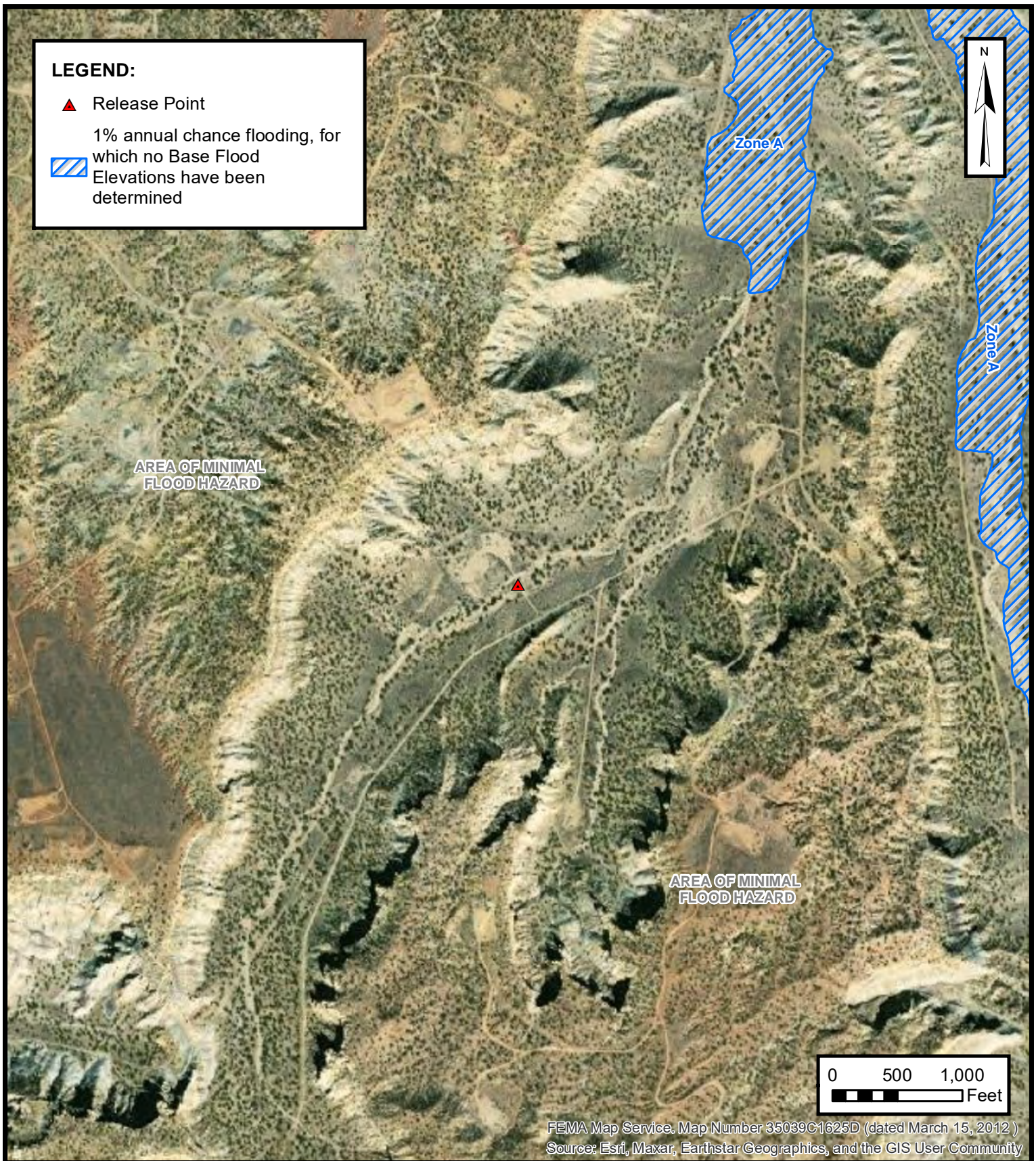
ENTERPRISE FIELD SERVICES, LLC
CM MORRIS #1 (06/10/22)

Unit Letter F, S14 T27N R10W, San Juan County, New Mexico
36.577109° N, 107.867766° W

PROJECT NUMBER: 05A1226194

FIGURE

G





New Mexico Office of the State Engineer

Water Column/Average Depth to Water

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

(R=POD has been replaced,
O=orphaned,
C=the file is closed)

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

POD Number	POD Sub-Code	basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Depth Well	Depth Water	Water Column
SJ 04045 POD1	SJ	SJ		1	4	2	11	27N	10W	244148	4053538	310	50	260

Average Depth to Water: **50 feet**

Minimum Depth: **50 feet**

Maximum Depth: **50 feet**

Record Count: 1

PLSS Search:

Section(s): 14, 10, 11, 12, 15, 13, 22, 23, 24
Township: 27N
Range: 10W

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.

6/20/22 10:47 AM

Page 1 of 1

WATER COLUMN/ AVERAGE
DEPTH TO WATER

#1 30-045-06588

DATA SHEET FOR DEEP GROUND BED CATHODIC PROTECTION WELLS
NORTHWESTERN NEW MEXICOOperator Meridian Oil Co. Location: Unit A Sec. 13 Twp 27 Rng 10

Name of Well/Wells or Pipeline Serviced _____

KNAUFF #1Elevation 6142 Completion Date 2-21-93 Total Depth 417 Land Type FCasing Strings, Sizes, Types & Depths 2 1/2" 50T 97' of 8" PVC Casing.NO GAS, WATER, or boulders were encountered during casing.If Casing Strings are cemented, show amounts & types used CementedWITH 22 SACKS.

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

Yes 45' From top of coke-up.Depths & thickness of water zones with description of water: Fresh, Clear,
Salty, Sulphur, Etc. 150' - FreshDepths gas encountered: Small amount of gas detected around 140' to 160'Ground bed depth with type & amount of coke breeze used: 417'Sw Loresco Coke - 60 BagsDepths anodes placed: 400, 390, 380, 370, 360, 325, 310, 300, 290, 280, 270, 250, 235, 220, 210Depths vent pipes placed: From Surface to 417'Vent pipe perforations: Perforated From 150' to 417'

Remarks: _____

JAN 31 1994

OIL CON. DIV.
DIST. ?

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

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

#500 30-045-28491
#13 30-045-06720DATA SHEET FOR DEEP GROUND BED CATHODIC PROTECTION WELLS
NORTHWESTERN NEW MEXICOOperator MERIDIAN OIL CO. Location: Unit A Sec. 12 Twp 27 Rng 10

Name of Well/Wells or Pipeline Serviced _____

HANKS #500 AND #13Elevation _____ Completion Date _____ Total Depth _____ Land Type FCasing Strings, Sizes, Types & Depths 2 1/2 SET 99' OF 8" PVC CASINGNO GAS, WATER, OR BOULDERS WERE ENCOUNTERED DURING CASINGIf Casing Strings are cemented, show amounts & types used CementedWITH 21 SACKS.

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

NO PLUGSDepths & thickness of water zones with description of water: Fresh, Clear,
Salty, Sulphur, Etc. 240' and was clear.Depths gas encountered: NO GASGround bed depth with type & amount of coke breeze used: 419' with123 (5016) sacks of Asbury GraphiteDepths anodes placed: #1 is at 385' and #15 is at 240'Depths vent pipes placed: Bottom to surfaceVent pipe perforations: up to 200'

Remarks: _____

RECEIVED

JAN 31 1994

OIL CON. DIV.
DIST. 3

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

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

API WATER ANALYSIS REPORT FORM

Laboratory No. 25-930315-13

Company MERIDIAN OIL		Sample No.		Date Sampled 2-26-93	
Field 2445W		Legal Description G 12-27-10		County or Parish San Juan	
Lease or Unit		Well Hanks #500		Depth	
Type of Water (Produced, Supply, etc.)		Sampling Point Ground Bed		Water, B/D	
				Sampled By R. Smith	

DISSOLVED SOLIDS

CATIONS

	mg/l	me/l
Sodium, Na (calc.)	770	34
Calcium, Ca	477	23.8
Magnesium, Mg	17	1.4
Barium, Ba		

OTHER PROPERTIES

pH

Specific Gravity, 80/60 F.

Resistivity (ohm-meters) 7.1 F.

7.0

1.0049

2.3

Total Dissolved Solids (calc.)

3500

ANIONS

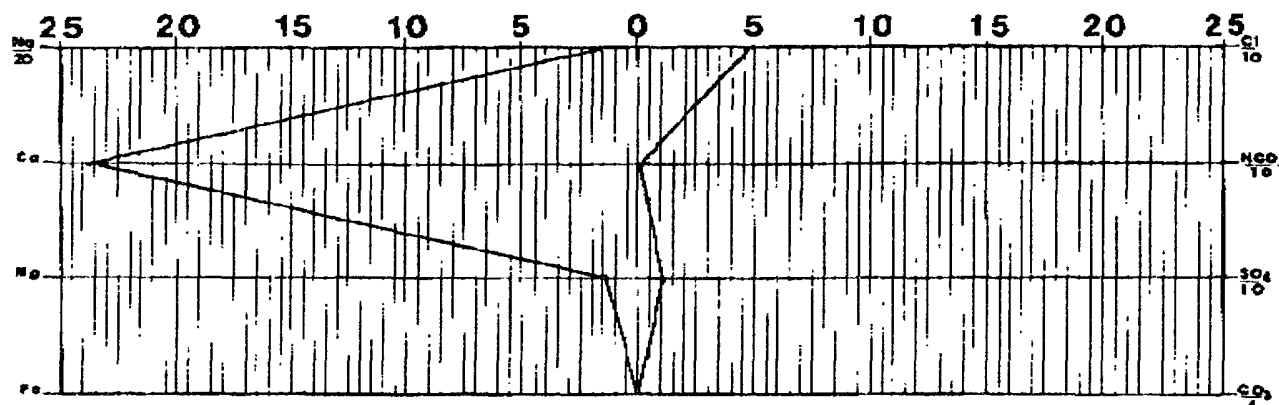
Chloride, Cl	1670	47
Sulfate, SO_4	520	11
Carbonate, CO_3		
Bicarbonate, HCO_3	50	0.8

Iron, Fe (total)

Sulfide, as H_2S

REMARKS & RECOMMENDATIONS:

ATTN: Bill Doname



Date Received March 15th, 1993	Preserved	Date Analyzed March 18th, 1993	Analyzed By R. H.
-----------------------------------	-----------	-----------------------------------	----------------------



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

Mar 21, 93 16:02 No.001 P.08

TEL No.5053253311

BRIONES LAW FIRM

30-045-28185

9

3668

DATA SHEET FOR DEEP GROUND BED CATHODIC PROTECTION WELLS
NORTHWESTERN NEW MEXICOOperator Meridian Oil Co. Location: Unit NW Sec. 12 Twp 27 Rng 10

Name of Well/Wells or Pipeline Serviced _____

HANKS #501Elevation _____ Completion Date 2-21-93 Total Depth 397' Land Type FCasing Strings, Sizes, Types & Depths 2 1/4 SET 99' OF 8" PVC CASINGNO GAS, WATER, OR BOULDERS WERE ENCOUNTERED DURING CASINGIf Casing Strings are cemented, show amounts & types used CementedWITH 22 SACKS

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

None

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

Salty, Sulphur, Etc. 150' - FreshDepths gas encountered: NoneGround bed depth with type & amount of coke breeze used: 397' TDLoresco Type SWDepths anodes placed: 385, 375, 365, 355, 345, 320, 295, 285, 260, 250, 240, 220, 210, 200Depths vent pipes placed: From Surface to 397'Vent pipe perforations: From 397' up to 160'Remarks: No gas encountered when drilling of hole**RECEIVED**

JAN 31 1994

OIL CON. DIV.**DIST. 3**

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

Land Type may be shown: F-Federal; I-Indian; S-State; P-Fee.

If Federal or Indian, add Lease Number.

30-045-0633Z

3660

DATA SHEET FOR DEEP GROUND BED CATHODIC PROTECTION WELLS
NORTHWESTERN NEW MEXICOOperator Meridian Oil Co. Location: Unit M Sec. 22 Twp 27 Rng 10

Name of Well/Wells or Pipeline Serviced _____

Gordon #5Elevation 6131 Completion Date 2/21/92 Total Depth 374' Land Type FCasing Strings, Sizes, Types & Depths 2 1/2 SET 98' OF 8" PVC CASING.NO GAS, WATER, OR BOULDERS WERE ENCOUNTERED DURING CASING.If Casing Strings are cemented, show amounts & types used CementedWITH 21 SACKS.

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

N/A

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

Salty, Sulphur, Etc. 115' FreshDepths gas encountered: NoneGround bed depth with type & amount of coke breeze used: 374' 51 SACKSOF Luresco type SWDepths anodes placed: 355, 345, 335, 325, 315, 305, 295, 285, 275, 265, 255, 245, 235, 225, 217, 210, 203, 175Depths vent pipes placed: 374'Vent pipe perforations: Bottom 259'

Remarks: _____

RECEIVED
JAN 31 1994
OIL CON. DIV.
DIST. 3

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

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



LABORATORY REPORT
OIL-FIELD WATER ANALYSIS

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

Lab Number: 25930315-05
Client: Meridian Oil
Sample ID: Gordon #5 groundbed
Location: M22-27-10

2389W

Date Sampled: 02-21-93
Date Received: 03-15-93
Date Analyzed: 03-15-93
Date Reported: 03-18-93

DISSOLVED SOLIDS:

	mg/L	mg/L	Detection Limit, mg/L
Calcium, Ca++	0.8	16	1.0
Magnesium, Mg++	0.1	2	1.0
Sodium, Na+ (calc)	25.7	591	5.0
Chloride, Cl-	0.4	13	2.0
Sulfate, SO4--	19.1	916	5.0
Bicarbonate, HCO3-	6.8	415	5.0
Carbonate, CO3--	0.4	12	1.0
Hydroxide, OH-	ND	ND	1.0
Total Dissolved Solids (calculated):		1.960	10.0

OTHER PROPERTIES:

pH (units): 8.5
resistivity (ohm-meters): 5.0
specific gravity at 60F: 1.0057
room temperature (F): 72

ND = Not Detected at the stated detection limit

Comments: San Juan County, New Mexico
Sampled by Keith Bishop

Methods: American Petroleum Institute, "Recommended Practice for Analysis of Oil-Field Waters," 2nd edition.

Ken Pella
analyst



LABORATORY REPORT
OIL-FIELD WATER ANALYSIS

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

Lab Number: 25930315-05
Client: Meridian Oil *2389 W*
Sample ID: Gordon #5 groundbed
Location: M22-27-10

Date Sampled: 02-21-93
Date Received: 03-15-93
Date Analyzed: 03-15-93
Date Reported: 03-18-93

DISSOLVED SOLIDS:

	me/L	mg/L	Detection Limit, mg/L
Calcium, Ca++	0.8	16	1.0
Magnesium, Mg++	0.1	2	1.0
Sodium, Na+ (calc)	25.7	591	5.0
Chloride, Cl-	0.4	13	2.0
Sulfate, SO4--	19.1	916	5.0
Bicarbonate, HCO3-	6.8	415	5.0
Carbonate, CO3--	0.4	12	1.0
Hydroxide, OH-	ND	ND	1.0
Total Dissolved Solids (calculated):		1,960	10.0

OTHER PROPERTIES:

pH (units): 8.5
resistivity (ohm-meters): 5.0
specific gravity at 60F: 1.0057

room temperature (F): 72

ND = Not Detected at the stated detection limit

Comments: San Juan County, New Mexico
Sampled by Keith Bishop

Methods: American Petroleum Institute, "Recommended Practice
for Analysis of Oil-Field Waters;" 2nd edition.

Seh Pella
analyst

30-045-27512

3661

DATA SHEET FOR DEEP GROUND BED CATHODIC PROTECTION WELLS
NORTHWESTERN NEW MEXICOOperator Meridian Oil Co. Location: Unit G Sec. 22 Twp 27 Rng 10

Name of Well/Wells or Pipeline Serviced _____

Gordon #500Elevation _____ Completion Date 2/22/93 Total Depth 389' Land Type FCasing Strings, Sizes, Types & Depths 2 1/2" SET 100' OF 8" PVC CASINGNO GAS, WATER, OR BOULDERS WERE ENCOUNTERED DURING CASINGIf Casing Strings are cemented, show amounts & types used CementedWITH 22 SACKS

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

N/A

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

Salty, Sulphur, Etc. 120' FreshDepths gas encountered: noneGround bed depth with type & amount of coke breeze used: 389'Depths anodes placed: 350, 340, 325, 318, 310, 300, 275, 185, 175, 165, 155, 145, 137, 125, 118Depths vent pipes placed: ~~389'~~ 389'Vent pipe perforations: Bottom 280'

Remarks: _____

RECEIVED

JAN 31 1994

OIL CON. DIV.
DIST. 3

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

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



LABORATORY REPORT
OIL-FIELD WATER ANALYSIS

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

Lab Number: 25930315-07
Client: Meridian Oil
Sample ID: Gordon # 500
Location: B22-27-10

2442W
Groundbed

Date Sampled: 02-22-93
Date Received: 03-15-93
Date Analyzed: 03-17-93
Date Reported: 03-18-93

DISSOLVED SOLIDS:

	me/L	mg/L	Detection Limit, mg/L
Calcium, Ca++	0.5	11	1.0
Magnesium, Mg++	0.1	2	1.0
Sodium, Na+ (calc)	22.4	514	5.0
Chloride, Cl-	0.4	13	2.0
Sulfate, SO4--	16.9	810	5.0
Bicarbonate, HCO3-	5.0	305	5.0
Carbonate, CO3--	0.8	24	1.0
Hydroxide, OH-	ND	ND	1.0
Total Dissolved Solids (calculated):		1,680	10.0

OTHER PROPERTIES:

pH (units): 8.7
resistivity (ohm-meters): 6.2
specific gravity at 60F: 1.0044
room temperature (F): 72

ND = Not Detected at the stated detection limit

Comments: San Juan County, New Mexico
Sampled by Keith Bishop

Methods: American Petroleum Institute, "Recommended Practice
for Analysis of Oil-Field Waters;" 2nd edition.

Steve Latham
analyst



LABORATORY REPORT
OIL-FIELD WATER ANALYSIS

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

Lab Number: 25930315-07	Date Sampled: 02-22-93
Client: Meridian Oil <i>2442 W</i>	Date Received: 03-15-93
Sample ID: Gordon # 500 Groundbed	Date Analyzed: 03-17-93
Location: G22-27-10	Date Reported: 03-18-93

DISSOLVED SOLIDS:	me/L	mg/L	Detection Limit, mg/L
	----	----	-----
Calcium, Ca++	0.5	11	1.0
Magnesium, Mg++	0.1	2	1.0
Sodium, Na+ (calc)	22.4	514	5.0
Chloride, Cl-	0.4	13	2.0
Sulfate, SO4--	16.9	810	5.0
Bicarbonate, HCO3-	5.0	305	5.0
Carbonate, CO3--	0.8	24	1.0
Hydroxide, OH-	ND	ND	1.0
Total Dissolved Solids (calculated):		1,680	10.0

OTHER PROPERTIES:

pH (units): 8.7
 resistivity (ohm-meters): 6.2
 specific gravity at 60F: 1.0044
 room temperature (F): 72

ND = Not Detected at the stated detection limit

Comments: San Juan County, New Mexico
 Sampled by Keith Bishop

Methods: American Petroleum Institute, "Recommended Practice
 for Analysis of Oil-Field Waters;" 2nd edition.

Keith Bishop



APPENDIX C

Executed C-138 Solid Waste Acceptance Form

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

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

Form C-138
Revised 08/01/11

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

97057-1125

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. Generator Name and Address: Enterprise Field Services, LLC, 614 Reilly Ave, Farmington NM 87401	PayKey: EM20767 PM: ME Eddleman AFE: TBD
2. Originating Site: CM Morris #1	
3. Location of Material (Street Address, City, State or ULSTR): 36.577109, -107.867766, UL F S14 T27N R10W	
4. Source and Description of Waste: Source: Remediation activities associated with a natural gas pipeline leak. Description: Hydrocarbon/Condensate impacted soil associated natural gas pipeline release. Estimated Volume <u>50</u> yd ³ /bbls Known Volume (to be entered by the operator at the end of the haul) <u>2202/45</u> yd ³ /bbls	

June/July

5. GENERATOR CERTIFICATION STATEMENT OF WASTE STATUS

I, Brian Stone ^{BM Stone}, representative or authorized agent for Enterprise Products Operating do hereby
Generator Signature
certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is: (Check the appropriate classification)

☒ RCRA Exempt: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste. Operator Use Only: Waste Acceptance Frequency ☐ Monthly ☐ Weekly ☐ Per Load

☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items)

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description in Box 4)

GENERATOR 19.15.36.15 WASTE TESTING CERTIFICATION STATEMENT FOR LANDFARMS

I, Brian Stone ^{BM Stone} 06-16-2022, representative for Enterprise Products Operating authorizes Envirotech, Inc. to complete
Generator Signature
the required testing/sign the Generator Waste Testing Certification.

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

5. Transporter: Kelly Oil Field Services

OCD Permitted Surface Waste Management Facility

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

Address of Facility: Hilltop, NM

Method of Treatment and/or Disposal:

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

Waste Acceptance Status:

☒ APPROVED

☐ DENIED (Must Be Maintained As Permanent Record)

PRINT NAME: Greg Crabtree

SIGNATURE: [Signature]

Surface Waste Management Facility Authorized Agent

TITLE: Enviro Manager

TELEPHONE NO.:

505-632-0615

DATE: 6/15/22



APPENDIX D

Photographic Documentation

SITE PHOTOGRAPHS

Closure Report
Enterprise Field Services, LLC
CM Morris #1 (06/10/22)
Ensolum Project No. 05A1226194

**Photograph 1**

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

**Photograph 2**

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

**Photograph 3**

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



SITE PHOTOGRAPHS

Closure Report
Enterprise Field Services, LLC
CM Morris #1 (06/10/22)
Ensolum Project No. 05A1226194

**Photograph 4**

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

**Photograph 5**

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

**Photograph 6**

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



SITE PHOTOGRAPHS

Closure Report
Enterprise Field Services, LLC
CM Morris #1 (06/10/22)
Ensolum Project No. 05A1226194

**Photograph 7**

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

**Photograph 8**

Photograph Description: View of the site after initial restoration.

**Photograph 9**

Photograph Description: View of the site after initial restoration.





APPENDIX E

Regulatory Correspondence

From: [Kyle Summers](#)
To: [Ranee Deechilly](#)
Subject: FW: [EXTERNAL] CM Morris C#1; 36.577109, -107.867766; UL F S14 T27N R10W; Incident #nAPP2217138691
Date: Tuesday, July 5, 2022 3:17:12 PM
Attachments: [image003.png](#)
[image004.png](#)
[image005.png](#)

**Kyle Summers**

Principal

903-821-5603

[Ensolum, LLC](#)in f 

From: Velez, Nelson, EMNRD <Nelson.Velez@state.nm.us>
Sent: Tuesday, July 5, 2022 2:20 PM
To: Long, Thomas <tjlong@eprod.com>; rjoyner@blm.gov
Cc: Stone, Brian <bmstone@eprod.com>; Kyle Summers <ksummers@ensolum.com>
Subject: RE: [EXTERNAL] CM Morris C#1; 36.577109, -107.867766; UL F S14 T27N R10W; Incident #nAPP2217138691

[**EXTERNAL EMAIL**]

Thanks Tom. Please proceed according to my previous email transmittal within this thread earlier this morning.

Hope you all have a safe day.

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

Hrs.: 7:00–11:00 am & 12:00–3:30 pm Mon.–Thur.
7:00–11:00 am & 12:00–4:00 pm Fri.

From: Long, Thomas <tjlong@eprod.com>
Sent: Tuesday, July 5, 2022 12:42 PM
To: Velez, Nelson, EMNRD <Nelson.Velez@state.nm.us>; rjoyner@blm.gov
Cc: Stone, Brian <bmstone@eprod.com>; Kyle Summers <ksummers@ensolum.com>
Subject: RE: [EXTERNAL] CM Morris C#1; 36.577109, -107.867766; UL F S14 T27N R10W; Incident #nAPP2217138691

Nelson,

The email is to inform you that we had to postponed the sampling event until July 7, 2022 at 10:00 a.m. due to mechanical problems with the track hoe. Another track hoe is being mobilized and will be available by Thursday. If you have any questions, please call or email.

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



From: Velez, Nelson, EMNRD <Nelson.Velez@state.nm.us>
Sent: Tuesday, July 5, 2022 7:30 AM
To: Long, Thomas <tjlong@eprod.com>; rjoyner@blm.gov
Cc: Stone, Brian <bmstone@eprod.com>; Kyle Summers <ksummers@ensolum.com>
Subject: RE: [EXTERNAL] CM Morris C#1; 36.577109, -107.867766; UL F S14 T27N R10W; Incident #nAPP2217138691

[Use caution with links/attachments]

Tom,

Thank you for the notice. If an OCD representative is not on-site today, please proceed with your sampling. For whatever reason, the sample collection timeframe is altered, please notify the OCD as soon as possible so we may adjust our schedule(s). Failure to notify the OCD of the rescheduling may result in the sample(s) not being accepted.

Please keep a copy of this communication for inclusion within the appropriate reporting documentation. If you have any questions, please contact me via email at your convenience.

Thanks again

Regards,

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

Hrs.: 7:00–11:00 am & 12:00–3:30 pm Mon.–Thur.
7:00–11:00 am & 12:00–4:00 pm Fri.

From: Long, Thomas <tjlong@eprod.com>
Sent: Sunday, July 3, 2022 8:41 AM
To: Velez, Nelson, EMNRD <Nelson.Velez@state.nm.us>; rjoyner@blm.gov
Cc: Stone, Brian <bmstone@eprod.com>; Kyle Summers <ksummers@ensolum.com>
Subject: FW: [EXTERNAL] CM Morris C#1; 36.577109, -107.867766; UL F S14 T27N R10W; Incident #nAPP2217138691

Nelson/Ryan,

This email is a notification that Enterprise will be collecting soil samples for laboratory analysis on Tuesday July 5, 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



From: Stone, Brian <bmstone@eprod.com>
Sent: Tuesday, June 14, 2022 9:28 AM
To: Velez, Nelson, EMNRD <Nelson.Velez@state.nm.us>; rjoyner@blm.gov
Cc: Long, Thomas <tjlong@eprod.com>; Kyle Summers <ksummers@ensolum.com>
Subject: RE: [EXTERNAL] CM Morris C#1 36.577109, -107.867766, UL F S14 T27N R10W

Enterprise plans to hydrovac the suspected leak area tomorrow and excavate Thursday. All activities will take place outside of the ordinary high water mark for the water way, which is currently dry.

The surface land owner is BLM, and I have added Ryan to the string.

From: Velez, Nelson, EMNRD <Nelson.Velez@state.nm.us>
Sent: Tuesday, June 14, 2022 8:07 AM
To: Stone, Brian <bmstone@eprod.com>
Cc: Long, Thomas <tjlong@eprod.com>; Kyle Summers <ksummers@ensolum.com>
Subject: RE: [EXTERNAL] CM Morris C#1 36.577109, -107.867766, UL F S14 T27N R10W

[Use caution with links/attachments]

Brian,

Please provide OCD and the current surface owner on record of the scheduling information once determined.

Thanks

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

Hrs.: 7:00–11:00 am & 12:00–3:30 pm Mon.–Thur.
7:00–11:00 am & 12:00–4:00 pm Fri.

From: Stone, Brian <bmstone@eprod.com>
Sent: Monday, June 13, 2022 9:18 AM
To: Velez, Nelson, EMNRD <Nelson.Velez@state.nm.us>
Cc: Long, Thomas <tjlong@eprod.com>; Kyle Summers <ksummers@ensolum.com>
Subject: RE: [EXTERNAL] CM Morris C#1 36.577109, -107.867766, UL F S14 T27N R10W

Will do. We don't have a schedule yet.

From: Velez, Nelson, EMNRD <Nelson.Velez@state.nm.us>
Sent: Monday, June 13, 2022 8:51 AM
To: Stone, Brian <bmstone@eprod.com>
Cc: Long, Thomas <tjlong@eprod.com>; Kyle Summers <ksummers@ensolum.com>
Subject: RE: [EXTERNAL] CM Morris C#1 36.577109, -107.867766, UL F S14 T27N R10W

[Use caution with links/attachments]

Will Enterprise be conducting an investigation for this discovery? If so, please provide a timeline for any future activities. Thank you.

Regards,

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

Hrs.: 7:00–11:00 am & 12:00–3:30 pm Mon.–Thur.
7:00–11:00 am & 12:00–4:00 pm Fri.

From: Stone, Brian <bmstone@eprod.com>
Sent: Friday, June 10, 2022 6:57 PM
To: Velez, Nelson, EMNRD <Nelson.Velez@state.nm.us>
Cc: Long, Thomas <tjlong@eprod.com>; Kyle Summers <ksummers@ensolum.com>
Subject: [EXTERNAL] CM Morris C#1 36.577109, -107.867766, UL F S14 T27N R10W

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

This email is a notification that Enterprise found evidence of an underground leak at the subject location. Dead vegetation and positive LEL were noted at a location that is on a topo map blue line. The line is buried 9ft deep at that location. No contamination was visible. If you have any questions, please call or email. Please note that Tom Long is out of the office and will return June 20.

Brian Stone
Field Environmental Manager
Enterprise Products
(970) 210-2170

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.

From: [Kyle Summers](#)
To: [Landon Daniell](#)
Cc: [Ranee Deechilly](#)
Subject: FW: [EXTERNAL] CM Morris C#1; 36.577109, -107.867766; UL F S14 T27N R10W; Incident #nAPP2217138691
Date: Tuesday, July 19, 2022 9:56:37 AM
Attachments: [image003.png](#)
[image004.png](#)
[image005.png](#)

**Kyle Summers**

Principal

903-821-5603

Ensolum, LLC

in f

From: Velez, Nelson, EMNRD <Nelson.Velez@state.nm.us>
Sent: Tuesday, July 19, 2022 7:20 AM
To: Long, Thomas <tjlong@eprod.com>; rjoyner@blm.gov
Cc: Stone, Brian <bmstone@eprod.com>; Kyle Summers <ksummers@ensolum.com>
Subject: RE: [EXTERNAL] CM Morris C#1; 36.577109, -107.867766; UL F S14 T27N R10W; Incident #nAPP2217138691

[**EXTERNAL EMAIL**]

Tom,

Thank you for the notice. Your variance request to sample today is approved.

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

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

Regards

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

Hrs.: 7:00–11:00 am & 12:00–3:30 pm Mon.–Thur.
7:00–11:00 am & 12:00–4:00 pm Fri.

From: Long, Thomas <tjlong@eprod.com>
Sent: Monday, July 18, 2022 12:39 PM
To: Velez, Nelson, EMNRD <Nelson.Velez@state.nm.us>; rjoyner@blm.gov
Cc: Stone, Brian <bmstone@eprod.com>; Kyle Summers <ksummers@ensolum.com>
Subject: RE: [EXTERNAL] CM Morris C#1; 36.577109, -107.867766; UL F S14 T27N R10W; Incident #nAPP2217138691

Nelson,

This is a follow up to our phone conversation earlier. However it has changed a little. Enterprise is requesting a variance for required 48 hour notification per 19.15.29.12D (1a). Enterprise would like to collect closure samples tomorrow July 19, 2022 at 2:00 p.m. Please acknowledge acceptance of this variance request. If you have any questions, please call or email.

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



From: Velez, Nelson, EMNRD <Nelson.Velez@state.nm.us>
Sent: Wednesday, July 13, 2022 4:21 PM
To: Long, Thomas <tjlong@eprod.com>; rjoyner@blm.gov
Cc: Stone, Brian <bmstone@eprod.com>; Kyle Summers <ksummers@ensolum.com>
Subject: RE: [EXTERNAL] CM Morris C#1; 36.577109, -107.867766; UL F S14 T27N R10W; Incident #nAPP2217138691

[Use caution with links/attachments]

Tom,

After our telephone conversation this afternoon, OCD approves your variance request to sample prior to the required 48 hr. verbal notification per 19.15.29.12D (1a).

As previously stated, please keep a copy of this communication for inclusion within the appropriate report submittal.

Regards

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

Hrs.: 7:00-11:00 am & 12:00-3:30 pm Mon.-Thur.
7:00-11:00 am & 12:00-4:00 pm Fri.

From: Long, Thomas <tjlong@eprod.com>
Sent: Wednesday, July 13, 2022 3:12 PM
To: Velez, Nelson, EMNRD <Nelson.Velez@state.nm.us>; rjoyner@blm.gov
Cc: Stone, Brian <bmstone@eprod.com>; Kyle Summers <ksummers@ensolum.com>
Subject: RE: [EXTERNAL] CM Morris C#1; 36.577109, -107.867766; UL F S14 T27N R10W; Incident #nAPP2217138691

Nelson/Ryan,

Please see the attached site sketch and lab report for the CM Morris #1 excavation. Five samples (S-1, S-2, S-5, S-6 and S-11) exceeded remediation standards. Enterprise will be excavating in these areas tomorrow. If we collect samples tomorrow it will be later in the afternoon around 3:00 p.m. If you have any questions, please call or email.

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



From: Velez, Nelson, EMNRD <Nelson.Velez@state.nm.us>
Sent: Tuesday, July 5, 2022 7:30 AM
To: Long, Thomas <tjlong@eprod.com>; rjoyner@blm.gov
Cc: Stone, Brian <bmstone@eprod.com>; Kyle Summers <ksummers@ensolum.com>
Subject: RE: [EXTERNAL] CM Morris C#1; 36.577109, -107.867766; UL F S14 T27N R10W; Incident #nAPP2217138691

[Use caution with links/attachments]

Tom,

Thank you for the notice. If an OCD representative is not on-site today, please proceed with your

sampling. For whatever reason, the sample collection timeframe is altered, please notify the OCD as soon as possible so we may adjust our schedule(s). Failure to notify the OCD of the rescheduling may result in the sample(s) not being accepted.

Please keep a copy of this communication for inclusion within the appropriate reporting documentation. If you have any questions, please contact me via email at your convenience.

Thanks again

Regards,

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

Hrs.: 7:00–11:00 am & 12:00–3:30 pm Mon.–Thur.
7:00–11:00 am & 12:00–4:00 pm Fri.

From: Long, Thomas <tjlong@eprod.com>
Sent: Sunday, July 3, 2022 8:41 AM
To: Velez, Nelson, EMNRD <Nelson.Velez@state.nm.us>; rjoyner@blm.gov
Cc: Stone, Brian <bmstone@eprod.com>; Kyle Summers <ksummers@ensolum.com>
Subject: FW: [EXTERNAL] CM Morris C#1; 36.577109, -107.867766; UL F S14 T27N R10W; Incident #nAPP2217138691

Nelson/Ryan,

This email is a notification that Enterprise will be collecting soil samples for laboratory analysis on Tuesday July 5, 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



From: Stone, Brian <bmstone@eprod.com>
Sent: Tuesday, June 14, 2022 9:28 AM

To: Velez, Nelson, EMNRD <Nelson.Velez@state.nm.us>; rjoyner@blm.gov
Cc: Long, Thomas <tjlong@eprod.com>; Kyle Summers <ksummers@ensolum.com>
Subject: RE: [EXTERNAL] CM Morris C#1 36.577109, -107.867766, UL F S14 T27N R10W

Enterprise plans to hydrovac the suspected leak area tomorrow and excavate Thursday. All activities will take place outside of the ordinary high water mark for the water way, which is currently dry.

The surface land owner is BLM, and I have added Ryan to the string.

From: Velez, Nelson, EMNRD <Nelson.Velez@state.nm.us>
Sent: Tuesday, June 14, 2022 8:07 AM
To: Stone, Brian <bmstone@eprod.com>
Cc: Long, Thomas <tjlong@eprod.com>; Kyle Summers <ksummers@ensolum.com>
Subject: RE: [EXTERNAL] CM Morris C#1 36.577109, -107.867766, UL F S14 T27N R10W

[Use caution with links/attachments]

Brian,

Please provide OCD and the current surface owner on record of the scheduling information once determined.

Thanks

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

Hrs.: 7:00-11:00 am & 12:00-3:30 pm Mon.-Thur.
7:00-11:00 am & 12:00-4:00 pm Fri.

From: Stone, Brian <bmstone@eprod.com>
Sent: Monday, June 13, 2022 9:18 AM
To: Velez, Nelson, EMNRD <Nelson.Velez@state.nm.us>
Cc: Long, Thomas <tjlong@eprod.com>; Kyle Summers <ksummers@ensolum.com>
Subject: RE: [EXTERNAL] CM Morris C#1 36.577109, -107.867766, UL F S14 T27N R10W

Will do. We don't have a schedule yet.

From: Velez, Nelson, EMNRD <Nelson.Velez@state.nm.us>
Sent: Monday, June 13, 2022 8:51 AM
To: Stone, Brian <bmstone@eprod.com>
Cc: Long, Thomas <tjlong@eprod.com>; Kyle Summers <ksummers@ensolum.com>
Subject: RE: [EXTERNAL] CM Morris C#1 36.577109, -107.867766, UL F S14 T27N R10W

[Use caution with links/attachments]

Will Enterprise be conducting an investigation for this discovery? If so, please provide a timeline for any future activities. Thank you.

Regards,

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

Hrs.: 7:00-11:00 am & 12:00-3:30 pm Mon.-Thur.
7:00-11:00 am & 12:00-4:00 pm Fri.

From: Stone, Brian <bmstone@eprod.com>
Sent: Friday, June 10, 2022 6:57 PM
To: Velez, Nelson, EMNRD <Nelson.Velez@state.nm.us>
Cc: Long, Thomas <tjlong@eprod.com>; Kyle Summers <ksummers@ensolum.com>
Subject: [EXTERNAL] CM Morris C#1 36.577109, -107.867766, UL F S14 T27N R10W

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

This email is a notification that Enterprise found evidence of an underground leak at the subject location. Dead vegetation and positive LEL were noted at a location that is on a topo map blue line. The line is buried 9ft deep at that location. No contamination was visible. If you have any questions, please call or email. Please note that Tom Long is out of the office and will return June 20.

Brian Stone
Field Environmental Manager
Enterprise Products
(970) 210-2170

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



APPENDIX F

Table 1 – Soil Analytical Summary



TABLE 1
CM Morris #1 (06/10/22)
SOIL ANALYTICAL SUMMARY

Sample I.D.	Date	Sample Type C - Composite G - Grab	Sample Depth (feet)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylenes (mg/kg)	Total BTEX ¹ (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH MRO (mg/kg)	Total Combined TPH (GRO/DRO/MRO) ¹ (mg/kg)	Chloride (mg/kg)
New Mexico Energy, Mineral & Natural Resources Department Oil Conservation Division Closure Criteria (Tier I)				10	NE	NE	NE	50	NE	NE	NE	100	600
Composite Soil Samples Removed by Excavation and Transported to the Landfarm for Diposal/Remediation													
S-1	7.7.22	C	27	<0.12	4.2	8.8	120	130	1,400	350	450	2,200	<59
S-2	7.7.22	C	27	<0.025	0.067	0.13	1.3	1.5	34	73	170	280	<60
S-5	7.7.22	C	13 to 27	<0.12	<0.25	<0.25	<0.50	ND	<25	73	110	180	<60
S-6	7.7.22	C	13 to 27	<0.12	0.61	0.57	4.9	6.1	250	92	130	470	91
S-10	7.7.22	C	0 to 13	<0.025	<0.050	<0.050	0.15	0.15	<5.0	<14	<48	ND	<60
S-11	7.7.22	C	13 to 20	1.7	25	6.5	56	89	370	110	<46	480	<60
S-12	7.7.22	C	20 to 27	<0.024	<0.049	<0.049	0.31	0.31	<4.9	<15	<50	ND	<60
S-25	7.7.22	C	13	<0.12	<0.25	<0.25	<0.50	ND	<25	<15	<49	ND	<60
S-26	7.7.22	C	8	<0.025	<0.050	<0.050	<0.099	ND	<5.0	<14	<48	ND	<59
S-27	7.7.22	C	13	<0.12	0.30	<0.25	2.3	2.6	27	20	<49	47	<60
S-28	7.7.22	C	8	<0.025	<0.050	<0.050	<0.099	ND	<5.0	<15	<49	ND	<60
S-31	7.7.22	C	0 to 13	<0.024	<0.049	<0.049	0.11	0.11	<4.9	<14	<47	ND	<60
S-32	7.7.22	C	0 to 10	<0.024	<0.049	<0.049	<0.097	ND	<4.9	<14	<47	ND	<60
S-33	7.7.22	C	3	<0.025	<0.050	<0.050	<0.099	ND	<5.0	<15	<48	ND	<60
S-34	7.7.22	C	3	<0.025	<0.049	<0.049	<0.099	ND	<4.9	<14	<47	ND	<60
Excavation Composite Soil Samples													
S-3	7.7.22	C	13 to 27	<0.12	0.35	0.29	3.3	3.9	34	40	<43	74	<61
S-4	7.7.22	C	13 to 27	<0.12	<0.25	<0.25	0.70	0.70	28	31	<44	59	<60
S-7	7.7.22	C	0 to 13	<0.024	<0.048	<0.048	<0.096	ND	<4.8	<15	<48	ND	<60
S-8	7.7.22	C	13 to 20	<0.12	<0.25	<0.25	0.66	0.66	<25	60	<50	60	<60
S-9	7.7.22	C	20 to 27	<0.024	<0.049	<0.049	<0.097	ND	<4.9	<15	<49	ND	<60
S-13	7.7.22	C	13	<0.024	<0.048	<0.048	0.14	0.14	<4.8	<15	<49	ND	<60
S-14	7.7.22	C	8	0.059	0.95	0.35	3.8	5.2	22	<15	<50	22	<60
S-15	7.7.22	C	3	<0.025	<0.050	<0.050	0.11	0.11	<5.0	<15	<50	ND	<60
S-16	7.7.22	C	3	<0.025	<0.049	<0.049	0.15	0.15	<4.9	16	<48	16	<60
S-17	7.7.22	C	8	<0.025	<0.050	<0.050	<0.099	ND	<5.0	<14	<47	ND	<60
S-18	7.7.22	C	13	<0.024	0.29	0.23	3.1	3.6	37	22	<44	59	<59



TABLE 1
CM Morris #1 (06/10/22)
SOIL ANALYTICAL SUMMARY

Sample I.D.	Date	Sample Type C - Composite G - Grab	Sample Depth (feet)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylenes (mg/kg)	Total BTEX ¹ (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH MRO (mg/kg)	Total Combined TPH (GRO/DRO/MRO) ¹ (mg/kg)	Chloride (mg/kg)
New Mexico Energy, Mineral & Natural Resources Department Oil Conservation Division Closure Criteria (Tier I)				10	NE	NE	NE	50	NE	NE	NE	100	600
S-19	7.7.22	C	0 to 13	<0.025	<0.050	<0.050	<0.099	ND	<5.0	<14	<47	ND	<60
S-20	7.7.22	C	0 to 10	<0.12	<0.25	<0.25	<0.50	ND	<25	<14	<48	ND	<60
S-21	7.7.22	C	0 to 10	<0.12	<0.24	<0.24	<0.48	ND	<24	<15	<50	ND	<60
S-22	7.7.22	C	0 to 13	<0.12	<0.25	<0.25	<0.49	ND	<25	<14	<47	ND	<60
S-23	7.7.22	C	0 to 4	<0.12	<0.25	<0.25	<0.50	ND	<25	<15	<49	ND	<60
S-24	7.7.22	C	0 to 4	<0.12	<0.25	<0.25	1.7	1.7	40	36	<49	76	<60
S-29	7.7.22	C	0 to 13	<0.025	<0.050	<0.050	<0.099	ND	<5.0	<14	<47	ND	<60
S-30	7.7.22	C	0 to 10	<0.025	<0.049	<0.049	<0.098	ND	<4.9	<15	<49	ND	<60
S-35	7.7.22	C	0 to 4	<0.12	<0.24	<0.24	<0.49	ND	<24	16	<49	16	<60
S-35a	7.14.22	C	32	<0.086	0.19	<0.17	0.91	1.1	21	<15	<49	21	<60
S-36	7.7.22	C	0 to 4	<0.12	<0.25	<0.25	<0.50	ND	<25	15	<47	15	<60
S-36a	7.14.22	C	32	<0.085	<0.17	<0.17	<0.34	ND	<17	<15	<48	ND	<60
S-37	7.14.22	C	13 to 20	<0.020	<0.039	<0.039	0.15	0.15	<3.9	<14	<48	ND	<60
S-38	7.19.22	C	27 to 32	<0.016	<0.032	<0.032	<0.064	ND	<3.2	<14	<47	ND	<59
S-39	7.19.22	C	27 to 32	<0.016	<0.033	<0.033	<0.065	ND	<3.3	<14	<46	ND	<61
S-40	7.19.22	C	17 to 32	<0.016	<0.032	<0.032	<0.065	ND	<3.2	<15	<48	ND	<60
S-41	7.19.22	C	17 to 32	<0.018	<0.037	<0.037	<0.073	ND	<3.7	<14	<45	ND	<60

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

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

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

NA = Not Analyzed

NE = Not established

mg/kg = milligram per kilogram

BTEX = Benzene, Toluene, Ethylbenzene, and Xylenes

TPH = Total Petroleum Hydrocarbons

GRO = Gasoline Range Organics

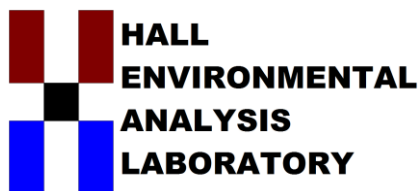
DRO = Diesel Range Organics

MRO = Motor Oil/Lube Oil Range Organics



APPENDIX G

Laboratory Data Sheets & Chain of Custody Documentation



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

July 15, 2022

Kyle Summers

ENSOLUM

606 S. Rio Grande Suite A

Aztec, NM 87410

TEL: (903) 821-5603

FAX:

RE: CM Morris 1

OrderNo.: 2207301

Dear Kyle Summers:

Hall Environmental Analysis Laboratory received 36 sample(s) on 7/8/2022 for the analyses presented in the following report.

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

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

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

Sincerely,

A handwritten signature in black ink, appearing to read "Andy Freeman".

Andy Freeman

Laboratory Manager

4901 Hawkins NE

Albuquerque, NM 87109

Analytical Report

Lab Order 2207301

Date Reported: 7/15/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-1

Project: CM Morris 1

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

Lab ID: 2207301-001

Matrix: SOIL

Received Date: 7/8/2022 6:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	ND	59		mg/Kg	20	7/12/2022 3:34:08 PM	68681
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	350	15		mg/Kg	1	7/11/2022 8:21:18 PM	68651
Motor Oil Range Organics (MRO)	450	50		mg/Kg	1	7/11/2022 8:21:18 PM	68651
Surr: DNOP	110	51.1-141		%Rec	1	7/11/2022 8:21:18 PM	68651
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	1400	25		mg/Kg	5	7/11/2022 10:00:08 AM	68649
Surr: BFB	1450	37.7-212	S	%Rec	5	7/11/2022 10:00:08 AM	68649
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.12		mg/Kg	5	7/11/2022 10:00:08 AM	68649
Toluene	4.2	0.25		mg/Kg	5	7/11/2022 10:00:08 AM	68649
Ethylbenzene	8.8	0.25		mg/Kg	5	7/11/2022 10:00:08 AM	68649
Xylenes, Total	120	5.0		mg/Kg	50	7/11/2022 8:20:21 PM	68649
Surr: 4-Bromofluorobenzene	175	70-130	S	%Rec	5	7/11/2022 10:00:08 AM	68649

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

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

Analytical Report

Lab Order 2207301

Date Reported: 7/15/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-2

Project: CM Morris 1

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

Lab ID: 2207301-002

Matrix: SOIL

Received Date: 7/8/2022 6:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	ND	60		mg/Kg	20	7/12/2022 3:46:32 PM	68681
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	73	13		mg/Kg	1	7/11/2022 8:45:32 PM	68651
Motor Oil Range Organics (MRO)	170	45		mg/Kg	1	7/11/2022 8:45:32 PM	68651
Surr: DNOP	107	51.1-141		%Rec	1	7/11/2022 8:45:32 PM	68651
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	34	5.0		mg/Kg	1	7/11/2022 10:23:44 AM	68649
Surr: BFB	365	37.7-212	S	%Rec	1	7/11/2022 10:23:44 AM	68649
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	7/11/2022 10:23:44 AM	68649
Toluene	0.067	0.050		mg/Kg	1	7/11/2022 10:23:44 AM	68649
Ethylbenzene	0.13	0.050		mg/Kg	1	7/11/2022 10:23:44 AM	68649
Xylenes, Total	1.3	0.10		mg/Kg	1	7/11/2022 10:23:44 AM	68649
Surr: 4-Bromofluorobenzene	112	70-130		%Rec	1	7/11/2022 10:23:44 AM	68649

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

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

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Analytical Report

Lab Order 2207301

Date Reported: 7/15/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-3

Project: CM Morris 1

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

Lab ID: 2207301-003

Matrix: SOIL

Received Date: 7/8/2022 6:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	ND	61		mg/Kg	20	7/12/2022 3:58:57 PM	68681
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	40	13		mg/Kg	1	7/11/2022 9:09:45 PM	68651
Motor Oil Range Organics (MRO)	ND	43		mg/Kg	1	7/11/2022 9:09:45 PM	68651
Surr: DNOP	104	51.1-141		%Rec	1	7/11/2022 9:09:45 PM	68651
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	34	25		mg/Kg	5	7/11/2022 10:47:15 AM	68649
Surr: BFB	121	37.7-212		%Rec	5	7/11/2022 10:47:15 AM	68649
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.12		mg/Kg	5	7/11/2022 10:47:15 AM	68649
Toluene	0.35	0.25		mg/Kg	5	7/11/2022 10:47:15 AM	68649
Ethylbenzene	0.29	0.25		mg/Kg	5	7/11/2022 10:47:15 AM	68649
Xylenes, Total	3.3	0.50		mg/Kg	5	7/11/2022 10:47:15 AM	68649
Surr: 4-Bromofluorobenzene	103	70-130		%Rec	5	7/11/2022 10:47:15 AM	68649

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

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

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Analytical Report

Lab Order 2207301

Date Reported: 7/15/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-4

Project: CM Morris 1

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

Lab ID: 2207301-004

Matrix: SOIL

Received Date: 7/8/2022 6:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	ND	60		mg/Kg	20	7/12/2022 4:11:21 PM	68681
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	31	13		mg/Kg	1	7/11/2022 9:33:54 PM	68651
Motor Oil Range Organics (MRO)	ND	44		mg/Kg	1	7/11/2022 9:33:54 PM	68651
Surr: DNOP	106	51.1-141		%Rec	1	7/11/2022 9:33:54 PM	68651
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	28	25		mg/Kg	5	7/11/2022 11:10:49 AM	68649
Surr: BFB	124	37.7-212		%Rec	5	7/11/2022 11:10:49 AM	68649
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.12		mg/Kg	5	7/11/2022 11:10:49 AM	68649
Toluene	ND	0.25		mg/Kg	5	7/11/2022 11:10:49 AM	68649
Ethylbenzene	ND	0.25		mg/Kg	5	7/11/2022 11:10:49 AM	68649
Xylenes, Total	0.70	0.50		mg/Kg	5	7/11/2022 11:10:49 AM	68649
Surr: 4-Bromofluorobenzene	104	70-130		%Rec	5	7/11/2022 11:10:49 AM	68649

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

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

Analytical Report

Lab Order 2207301

Date Reported: 7/15/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-5

Project: CM Morris 1

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

Lab ID: 2207301-005

Matrix: SOIL

Received Date: 7/8/2022 6:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: NAI
Chloride	ND	60		mg/Kg	20	7/11/2022 6:16:20 PM	68696
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	73	15		mg/Kg	1	7/11/2022 9:58:27 PM	68651
Motor Oil Range Organics (MRO)	110	50		mg/Kg	1	7/11/2022 9:58:27 PM	68651
Surr: DNOP	107	51.1-141		%Rec	1	7/11/2022 9:58:27 PM	68651
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	25		mg/Kg	5	7/11/2022 11:34:25 AM	68649
Surr: BFB	110	37.7-212		%Rec	5	7/11/2022 11:34:25 AM	68649
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.12		mg/Kg	5	7/11/2022 11:34:25 AM	68649
Toluene	ND	0.25		mg/Kg	5	7/11/2022 11:34:25 AM	68649
Ethylbenzene	ND	0.25		mg/Kg	5	7/11/2022 11:34:25 AM	68649
Xylenes, Total	ND	0.50		mg/Kg	5	7/11/2022 11:34:25 AM	68649
Surr: 4-Bromofluorobenzene	101	70-130		%Rec	5	7/11/2022 11:34:25 AM	68649

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

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

Analytical Report

Lab Order 2207301

Date Reported: 7/15/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-6

Project: CM Morris 1

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

Lab ID: 2207301-006

Matrix: SOIL

Received Date: 7/8/2022 6:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: NAI
Chloride	91	60		mg/Kg	20	7/11/2022 6:28:44 PM	68696
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	92	14		mg/Kg	1	7/12/2022 8:30:56 PM	68651
Motor Oil Range Organics (MRO)	130	48		mg/Kg	1	7/12/2022 8:30:56 PM	68651
Surr: DNOP	103	51.1-141		%Rec	1	7/12/2022 8:30:56 PM	68651
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	250	24		mg/Kg	5	7/11/2022 11:58:03 AM	68649
Surr: BFB	467	37.7-212	S	%Rec	5	7/11/2022 11:58:03 AM	68649
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.12		mg/Kg	5	7/11/2022 11:58:03 AM	68649
Toluene	0.61	0.24		mg/Kg	5	7/11/2022 11:58:03 AM	68649
Ethylbenzene	0.57	0.24		mg/Kg	5	7/11/2022 11:58:03 AM	68649
Xylenes, Total	4.9	0.49		mg/Kg	5	7/11/2022 11:58:03 AM	68649
Surr: 4-Bromofluorobenzene	113	70-130		%Rec	5	7/11/2022 11:58:03 AM	68649

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

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

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Analytical Report

Lab Order 2207301

Date Reported: 7/15/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-7

Project: CM Morris 1

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

Lab ID: 2207301-007

Matrix: SOIL

Received Date: 7/8/2022 6:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: NAI
Chloride	ND	60		mg/Kg	20	7/11/2022 7:05:57 PM	68696
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	7/11/2022 10:23:08 PM	68651
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	7/11/2022 10:23:08 PM	68651
Surr: DNOP	95.2	51.1-141		%Rec	1	7/11/2022 10:23:08 PM	68651
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	7/11/2022 12:21:48 PM	68649
Surr: BFB	108	37.7-212		%Rec	1	7/11/2022 12:21:48 PM	68649
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	7/11/2022 12:21:48 PM	68649
Toluene	ND	0.048		mg/Kg	1	7/11/2022 12:21:48 PM	68649
Ethylbenzene	ND	0.048		mg/Kg	1	7/11/2022 12:21:48 PM	68649
Xylenes, Total	ND	0.096		mg/Kg	1	7/11/2022 12:21:48 PM	68649
Surr: 4-Bromofluorobenzene	104	70-130		%Rec	1	7/11/2022 12:21:48 PM	68649

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

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

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Analytical Report

Lab Order 2207301

Date Reported: 7/15/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-8

Project: CM Morris 1

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

Lab ID: 2207301-008

Matrix: SOIL

Received Date: 7/8/2022 6:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: NAI
Chloride	ND	60		mg/Kg	20	7/11/2022 7:18:21 PM	68696
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	60	15		mg/Kg	1	7/11/2022 10:47:49 PM	68651
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	7/11/2022 10:47:49 PM	68651
Surr: DNOP	97.7	51.1-141		%Rec	1	7/11/2022 10:47:49 PM	68651
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	25		mg/Kg	5	7/11/2022 12:45:35 PM	68649
Surr: BFB	113	37.7-212		%Rec	5	7/11/2022 12:45:35 PM	68649
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.12		mg/Kg	5	7/11/2022 12:45:35 PM	68649
Toluene	ND	0.25		mg/Kg	5	7/11/2022 12:45:35 PM	68649
Ethylbenzene	ND	0.25		mg/Kg	5	7/11/2022 12:45:35 PM	68649
Xylenes, Total	0.66	0.50		mg/Kg	5	7/11/2022 12:45:35 PM	68649
Surr: 4-Bromofluorobenzene	102	70-130		%Rec	5	7/11/2022 12:45:35 PM	68649

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

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

Analytical Report

Lab Order 2207301

Date Reported: 7/15/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-9

Project: CM Morris 1

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

Lab ID: 2207301-009

Matrix: SOIL

Received Date: 7/8/2022 6:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: NAI
Chloride	ND	60		mg/Kg	20	7/11/2022 7:30:45 PM	68696
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	7/11/2022 11:12:32 PM	68651
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	7/11/2022 11:12:32 PM	68651
Surr: DNOP	93.2	51.1-141		%Rec	1	7/11/2022 11:12:32 PM	68651
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/11/2022 1:09:19 PM	68649
Surr: BFB	94.4	37.7-212		%Rec	1	7/11/2022 1:09:19 PM	68649
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	7/11/2022 1:09:19 PM	68649
Toluene	ND	0.049		mg/Kg	1	7/11/2022 1:09:19 PM	68649
Ethylbenzene	ND	0.049		mg/Kg	1	7/11/2022 1:09:19 PM	68649
Xylenes, Total	ND	0.097		mg/Kg	1	7/11/2022 1:09:19 PM	68649
Surr: 4-Bromofluorobenzene	98.5	70-130		%Rec	1	7/11/2022 1:09:19 PM	68649

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

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

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Analytical Report

Lab Order 2207301

Date Reported: 7/15/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-10

Project: CM Morris 1

Collection Date: 7/7/2022 11:15:00 AM

Lab ID: 2207301-010

Matrix: SOIL

Received Date: 7/8/2022 6:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: NAI
Chloride	ND	60		mg/Kg	20	7/11/2022 7:43:10 PM	68696
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	7/11/2022 11:37:04 PM	68651
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	7/11/2022 11:37:04 PM	68651
Surr: DNOP	99.0	51.1-141		%Rec	1	7/11/2022 11:37:04 PM	68651
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	7/11/2022 2:20:48 PM	68649
Surr: BFB	113	37.7-212		%Rec	1	7/11/2022 2:20:48 PM	68649
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	7/11/2022 2:20:48 PM	68649
Toluene	ND	0.050		mg/Kg	1	7/11/2022 2:20:48 PM	68649
Ethylbenzene	ND	0.050		mg/Kg	1	7/11/2022 2:20:48 PM	68649
Xylenes, Total	0.15	0.099		mg/Kg	1	7/11/2022 2:20:48 PM	68649
Surr: 4-Bromofluorobenzene	106	70-130		%Rec	1	7/11/2022 2:20:48 PM	68649

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

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

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Analytical Report

Lab Order 2207301

Date Reported: 7/15/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-11

Project: CM Morris 1

Collection Date: 7/7/2022 11:20:00 AM

Lab ID: 2207301-011

Matrix: SOIL

Received Date: 7/8/2022 6:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: NAI
Chloride	ND	60		mg/Kg	20	7/11/2022 7:55:35 PM	68696
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	110	14		mg/Kg	1	7/12/2022 12:01:36 AM	68651
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	7/12/2022 12:01:36 AM	68651
Surr: DNOP	98.2	51.1-141		%Rec	1	7/12/2022 12:01:36 AM	68651
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	370	25		mg/Kg	5	7/11/2022 2:44:41 PM	68649
Surr: BFB	246	37.7-212	S	%Rec	5	7/11/2022 2:44:41 PM	68649
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	1.7	0.12		mg/Kg	5	7/11/2022 2:44:41 PM	68649
Toluene	25	0.25		mg/Kg	5	7/11/2022 2:44:41 PM	68649
Ethylbenzene	6.5	0.25		mg/Kg	5	7/11/2022 2:44:41 PM	68649
Xylenes, Total	56	4.9		mg/Kg	50	7/11/2022 8:44:07 PM	68649
Surr: 4-Bromofluorobenzene	120	70-130		%Rec	5	7/11/2022 2:44:41 PM	68649

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

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

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Analytical Report

Lab Order 2207301

Date Reported: 7/15/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-12

Project: CM Morris 1

Collection Date: 7/7/2022 11:25:00 AM

Lab ID: 2207301-012

Matrix: SOIL

Received Date: 7/8/2022 6:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: NAI
Chloride	ND	60		mg/Kg	20	7/11/2022 8:32:48 PM	68696
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	7/12/2022 12:25:56 AM	68651
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	7/12/2022 12:25:56 AM	68651
Surr: DNOP	95.6	51.1-141		%Rec	1	7/12/2022 12:25:56 AM	68651
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/11/2022 3:08:33 PM	68649
Surr: BFB	106	37.7-212		%Rec	1	7/11/2022 3:08:33 PM	68649
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	7/11/2022 3:08:33 PM	68649
Toluene	ND	0.049		mg/Kg	1	7/11/2022 3:08:33 PM	68649
Ethylbenzene	ND	0.049		mg/Kg	1	7/11/2022 3:08:33 PM	68649
Xylenes, Total	0.31	0.098		mg/Kg	1	7/11/2022 3:08:33 PM	68649
Surr: 4-Bromofluorobenzene	104	70-130		%Rec	1	7/11/2022 3:08:33 PM	68649

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

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

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Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2207301

Date Reported: 7/15/2022

CLIENT: ENSOLUM

Client Sample ID: S-13

Project: CM Morris 1

Collection Date: 7/7/2022 11:30:00 AM

Lab ID: 2207301-013

Matrix: SOIL

Received Date: 7/8/2022 6:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: NAI
Chloride	ND	60		mg/Kg	20	7/11/2022 9:34:50 PM	68696
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	7/12/2022 12:50:23 AM	68651
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	7/12/2022 12:50:23 AM	68651
Surr: DNOP	95.2	51.1-141		%Rec	1	7/12/2022 12:50:23 AM	68651
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	7/11/2022 3:32:30 PM	68649
Surr: BFB	113	37.7-212		%Rec	1	7/11/2022 3:32:30 PM	68649
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	7/11/2022 3:32:30 PM	68649
Toluene	ND	0.048		mg/Kg	1	7/11/2022 3:32:30 PM	68649
Ethylbenzene	ND	0.048		mg/Kg	1	7/11/2022 3:32:30 PM	68649
Xylenes, Total	0.14	0.096		mg/Kg	1	7/11/2022 3:32:30 PM	68649
Surr: 4-Bromofluorobenzene	102	70-130		%Rec	1	7/11/2022 3:32:30 PM	68649

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

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

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Analytical Report

Lab Order 2207301

Date Reported: 7/15/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-14

Project: CM Morris 1

Collection Date: 7/7/2022 11:35:00 AM

Lab ID: 2207301-014

Matrix: SOIL

Received Date: 7/8/2022 6:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: NAI
Chloride	ND	60		mg/Kg	20	7/11/2022 9:47:14 PM	68696
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	7/12/2022 1:15:09 AM	68651
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	7/12/2022 1:15:09 AM	68651
Surr: DNOP	102	51.1-141		%Rec	1	7/12/2022 1:15:09 AM	68651
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	22	4.9		mg/Kg	1	7/11/2022 3:56:25 PM	68649
Surr: BFB	164	37.7-212		%Rec	1	7/11/2022 3:56:25 PM	68649
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	0.059	0.025		mg/Kg	1	7/11/2022 3:56:25 PM	68649
Toluene	0.95	0.049		mg/Kg	1	7/11/2022 3:56:25 PM	68649
Ethylbenzene	0.35	0.049		mg/Kg	1	7/11/2022 3:56:25 PM	68649
Xylenes, Total	3.8	0.098		mg/Kg	1	7/11/2022 3:56:25 PM	68649
Surr: 4-Bromofluorobenzene	113	70-130		%Rec	1	7/11/2022 3:56:25 PM	68649

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

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

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Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2207301

Date Reported: 7/15/2022

CLIENT: ENSOLUM

Client Sample ID: S-15

Project: CM Morris 1

Collection Date: 7/7/2022 11:40:00 AM

Lab ID: 2207301-015

Matrix: SOIL

Received Date: 7/8/2022 6:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: NAI
Chloride	ND	60		mg/Kg	20	7/11/2022 9:59:38 PM	68696
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	7/12/2022 1:39:45 AM	68651
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	7/12/2022 1:39:45 AM	68651
Surr: DNOP	100	51.1-141		%Rec	1	7/12/2022 1:39:45 AM	68651
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	7/11/2022 4:20:30 PM	68649
Surr: BFB	113	37.7-212		%Rec	1	7/11/2022 4:20:30 PM	68649
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	7/11/2022 4:20:30 PM	68649
Toluene	ND	0.050		mg/Kg	1	7/11/2022 4:20:30 PM	68649
Ethylbenzene	ND	0.050		mg/Kg	1	7/11/2022 4:20:30 PM	68649
Xylenes, Total	0.11	0.10		mg/Kg	1	7/11/2022 4:20:30 PM	68649
Surr: 4-Bromofluorobenzene	106	70-130		%Rec	1	7/11/2022 4:20:30 PM	68649

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

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

Analytical Report

Lab Order 2207301

Date Reported: 7/15/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-16

Project: CM Morris 1

Collection Date: 7/7/2022 11:45:00 AM

Lab ID: 2207301-016

Matrix: SOIL

Received Date: 7/8/2022 6:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: NAI
Chloride	ND	60		mg/Kg	20	7/11/2022 10:12:02 PM	68696
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	16	14		mg/Kg	1	7/12/2022 2:04:31 AM	68651
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	7/12/2022 2:04:31 AM	68651
Surr: DNOP	104	51.1-141		%Rec	1	7/12/2022 2:04:31 AM	68651
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/11/2022 4:44:31 PM	68649
Surr: BFB	132	37.7-212		%Rec	1	7/11/2022 4:44:31 PM	68649
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	7/11/2022 4:44:31 PM	68649
Toluene	ND	0.049		mg/Kg	1	7/11/2022 4:44:31 PM	68649
Ethylbenzene	ND	0.049		mg/Kg	1	7/11/2022 4:44:31 PM	68649
Xylenes, Total	0.15	0.098		mg/Kg	1	7/11/2022 4:44:31 PM	68649
Surr: 4-Bromofluorobenzene	105	70-130		%Rec	1	7/11/2022 4:44:31 PM	68649

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

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

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Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2207301

Date Reported: 7/15/2022

CLIENT: ENSOLUM

Client Sample ID: S-17

Project: CM Morris 1

Collection Date: 7/7/2022 11:50:00 AM

Lab ID: 2207301-017

Matrix: SOIL

Received Date: 7/8/2022 6:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: NAI
Chloride	ND	60		mg/Kg	20	7/11/2022 10:24:26 PM	68696
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	7/12/2022 2:29:59 PM	68675
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	7/12/2022 2:29:59 PM	68675
Surr: DNOP	97.8	51.1-141		%Rec	1	7/12/2022 2:29:59 PM	68675
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	7/11/2022 5:08:33 PM	68649
Surr: BFB	106	37.7-212		%Rec	1	7/11/2022 5:08:33 PM	68649
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	7/11/2022 5:08:33 PM	68649
Toluene	ND	0.050		mg/Kg	1	7/11/2022 5:08:33 PM	68649
Ethylbenzene	ND	0.050		mg/Kg	1	7/11/2022 5:08:33 PM	68649
Xylenes, Total	ND	0.099		mg/Kg	1	7/11/2022 5:08:33 PM	68649
Surr: 4-Bromofluorobenzene	106	70-130		%Rec	1	7/11/2022 5:08:33 PM	68649

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

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

Analytical Report

Lab Order 2207301

Date Reported: 7/15/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-18

Project: CM Morris 1

Collection Date: 7/7/2022 11:55:00 AM

Lab ID: 2207301-018

Matrix: SOIL

Received Date: 7/8/2022 6:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: NAI
Chloride	ND	59		mg/Kg	20	7/11/2022 10:36:51 PM	68696
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	22	13		mg/Kg	1	7/12/2022 10:32:28 PM	68675
Motor Oil Range Organics (MRO)	ND	44		mg/Kg	1	7/12/2022 10:32:28 PM	68675
Surr: DNOP	98.1	51.1-141		%Rec	1	7/12/2022 10:32:28 PM	68675
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	37	4.9		mg/Kg	1	7/11/2022 5:32:34 PM	68649
Surr: BFB	326	37.7-212	S	%Rec	1	7/11/2022 5:32:34 PM	68649
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	7/11/2022 5:32:34 PM	68649
Toluene	0.29	0.049		mg/Kg	1	7/11/2022 5:32:34 PM	68649
Ethylbenzene	0.23	0.049		mg/Kg	1	7/11/2022 5:32:34 PM	68649
Xylenes, Total	3.1	0.098		mg/Kg	1	7/11/2022 5:32:34 PM	68649
Surr: 4-Bromofluorobenzene	127	70-130		%Rec	1	7/11/2022 5:32:34 PM	68649

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

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

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Analytical Report

Lab Order 2207301

Date Reported: 7/15/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-19

Project: CM Morris 1

Collection Date: 7/7/2022 12:00:00 PM

Lab ID: 2207301-019

Matrix: SOIL

Received Date: 7/8/2022 6:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: NAI
Chloride	ND	60		mg/Kg	20	7/11/2022 10:49:15 PM	68696
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	7/12/2022 10:56:55 PM	68675
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	7/12/2022 10:56:55 PM	68675
Surr: DNOP	99.5	51.1-141		%Rec	1	7/12/2022 10:56:55 PM	68675
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	7/11/2022 5:56:36 PM	68649
Surr: BFB	105	37.7-212		%Rec	1	7/11/2022 5:56:36 PM	68649
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	7/11/2022 5:56:36 PM	68649
Toluene	ND	0.050		mg/Kg	1	7/11/2022 5:56:36 PM	68649
Ethylbenzene	ND	0.050		mg/Kg	1	7/11/2022 5:56:36 PM	68649
Xylenes, Total	ND	0.099		mg/Kg	1	7/11/2022 5:56:36 PM	68649
Surr: 4-Bromofluorobenzene	104	70-130		%Rec	1	7/11/2022 5:56:36 PM	68649

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

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

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Analytical Report

Lab Order 2207301

Date Reported: 7/15/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-20

Project: CM Morris 1

Collection Date: 7/7/2022 12:05:00 PM

Lab ID: 2207301-020

Matrix: SOIL

Received Date: 7/8/2022 6:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: NAI
Chloride	ND	60		mg/Kg	20	7/11/2022 11:01:39 PM	68696
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: ED
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	7/12/2022 1:42:41 PM	68672
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	7/12/2022 1:42:41 PM	68672
Surr: DNOP	89.5	51.1-141		%Rec	1	7/12/2022 1:42:41 PM	68672
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	25		mg/Kg	5	7/11/2022 7:23:00 PM	68658
Surr: BFB	87.9	37.7-212		%Rec	5	7/11/2022 7:23:00 PM	68658
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.12		mg/Kg	5	7/11/2022 7:23:00 PM	68658
Toluene	ND	0.25		mg/Kg	5	7/11/2022 7:23:00 PM	68658
Ethylbenzene	ND	0.25		mg/Kg	5	7/11/2022 7:23:00 PM	68658
Xylenes, Total	ND	0.50		mg/Kg	5	7/11/2022 7:23:00 PM	68658
Surr: 4-Bromofluorobenzene	88.2	70-130		%Rec	5	7/11/2022 7:23:00 PM	68658

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

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

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Analytical Report

Lab Order 2207301

Date Reported: 7/15/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-21

Project: CM Morris 1

Collection Date: 7/7/2022 12:10:00 PM

Lab ID: 2207301-021

Matrix: SOIL

Received Date: 7/8/2022 6:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: NAI
Chloride	ND	60		mg/Kg	20	7/11/2022 11:14:03 PM	68696
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: ED
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	7/12/2022 1:58:11 PM	68672
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	7/12/2022 1:58:11 PM	68672
Surr: DNOP	92.4	51.1-141		%Rec	1	7/12/2022 1:58:11 PM	68672
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	24		mg/Kg	5	7/11/2022 8:23:00 PM	68658
Surr: BFB	86.3	37.7-212		%Rec	5	7/11/2022 8:23:00 PM	68658
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.12		mg/Kg	5	7/11/2022 8:23:00 PM	68658
Toluene	ND	0.24		mg/Kg	5	7/11/2022 8:23:00 PM	68658
Ethylbenzene	ND	0.24		mg/Kg	5	7/11/2022 8:23:00 PM	68658
Xylenes, Total	ND	0.48		mg/Kg	5	7/11/2022 8:23:00 PM	68658
Surr: 4-Bromofluorobenzene	87.7	70-130		%Rec	5	7/11/2022 8:23:00 PM	68658

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

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

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Analytical Report

Lab Order 2207301

Date Reported: 7/15/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-22

Project: CM Morris 1

Collection Date: 7/7/2022 12:15:00 PM

Lab ID: 2207301-022

Matrix: SOIL

Received Date: 7/8/2022 6:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: NAI
Chloride	ND	60		mg/Kg	20	7/11/2022 11:26:27 PM	68696
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: ED
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	7/12/2022 2:13:11 PM	68672
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	7/12/2022 2:13:11 PM	68672
Surr: DNOP	91.1	51.1-141		%Rec	1	7/12/2022 2:13:11 PM	68672
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	25		mg/Kg	5	7/11/2022 9:22:00 PM	68658
Surr: BFB	85.8	37.7-212		%Rec	5	7/11/2022 9:22:00 PM	68658
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.12		mg/Kg	5	7/11/2022 9:22:00 PM	68658
Toluene	ND	0.25		mg/Kg	5	7/11/2022 9:22:00 PM	68658
Ethylbenzene	ND	0.25		mg/Kg	5	7/11/2022 9:22:00 PM	68658
Xylenes, Total	ND	0.49		mg/Kg	5	7/11/2022 9:22:00 PM	68658
Surr: 4-Bromofluorobenzene	85.7	70-130		%Rec	5	7/11/2022 9:22:00 PM	68658

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

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

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Analytical Report

Lab Order 2207301

Date Reported: 7/15/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-23

Project: CM Morris 1

Collection Date: 7/7/2022 12:20:00 PM

Lab ID: 2207301-023

Matrix: SOIL

Received Date: 7/8/2022 6:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: NAI
Chloride	ND	60		mg/Kg	20	7/12/2022 12:03:40 AM	68696
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: ED
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	7/12/2022 2:27:55 PM	68672
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	7/12/2022 2:27:55 PM	68672
Surr: DNOP	112	51.1-141		%Rec	1	7/12/2022 2:27:55 PM	68672
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	25		mg/Kg	5	7/12/2022 9:29:00 AM	68658
Surr: BFB	97.2	37.7-212		%Rec	5	7/12/2022 9:29:00 AM	68658
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.12		mg/Kg	5	7/12/2022 9:29:00 AM	68658
Toluene	ND	0.25		mg/Kg	5	7/12/2022 9:29:00 AM	68658
Ethylbenzene	ND	0.25		mg/Kg	5	7/12/2022 9:29:00 AM	68658
Xylenes, Total	ND	0.50		mg/Kg	5	7/12/2022 9:29:00 AM	68658
Surr: 4-Bromofluorobenzene	92.2	70-130		%Rec	5	7/12/2022 9:29:00 AM	68658

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

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

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Analytical Report

Lab Order 2207301

Date Reported: 7/15/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-24

Project: CM Morris 1

Collection Date: 7/7/2022 12:25:00 PM

Lab ID: 2207301-024

Matrix: SOIL

Received Date: 7/8/2022 6:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: NAI
Chloride	ND	60		mg/Kg	20	7/12/2022 12:16:04 AM	68696
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: ED
Diesel Range Organics (DRO)	36	15		mg/Kg	1	7/12/2022 2:42:30 PM	68672
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	7/12/2022 2:42:30 PM	68672
Surr: DNOP	115	51.1-141		%Rec	1	7/12/2022 2:42:30 PM	68672
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	40	25		mg/Kg	5	7/11/2022 10:02:00 PM	68658
Surr: BFB	125	37.7-212		%Rec	5	7/11/2022 10:02:00 PM	68658
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.12		mg/Kg	5	7/11/2022 10:02:00 PM	68658
Toluene	ND	0.25		mg/Kg	5	7/11/2022 10:02:00 PM	68658
Ethylbenzene	ND	0.25		mg/Kg	5	7/11/2022 10:02:00 PM	68658
Xylenes, Total	1.7	0.49		mg/Kg	5	7/11/2022 10:02:00 PM	68658
Surr: 4-Bromofluorobenzene	92.3	70-130		%Rec	5	7/11/2022 10:02:00 PM	68658

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

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

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Analytical Report

Lab Order 2207301

Date Reported: 7/15/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-25

Project: CM Morris 1

Collection Date: 7/7/2022 12:30:00 PM

Lab ID: 2207301-025

Matrix: SOIL

Received Date: 7/8/2022 6:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: NAI
Chloride	ND	60		mg/Kg	20	7/12/2022 12:39:55 PM	68714
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: ED
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	7/12/2022 2:57:09 PM	68672
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	7/12/2022 2:57:09 PM	68672
Surr: DNOP	93.4	51.1-141		%Rec	1	7/12/2022 2:57:09 PM	68672
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	25		mg/Kg	5	7/11/2022 10:22:00 PM	68658
Surr: BFB	96.9	37.7-212		%Rec	5	7/11/2022 10:22:00 PM	68658
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.12		mg/Kg	5	7/11/2022 10:22:00 PM	68658
Toluene	ND	0.25		mg/Kg	5	7/11/2022 10:22:00 PM	68658
Ethylbenzene	ND	0.25		mg/Kg	5	7/11/2022 10:22:00 PM	68658
Xylenes, Total	ND	0.50		mg/Kg	5	7/11/2022 10:22:00 PM	68658
Surr: 4-Bromofluorobenzene	87.5	70-130		%Rec	5	7/11/2022 10:22:00 PM	68658

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

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

Analytical Report

Lab Order 2207301

Date Reported: 7/15/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-26

Project: CM Morris 1

Collection Date: 7/7/2022 12:35:00 PM

Lab ID: 2207301-026

Matrix: SOIL

Received Date: 7/8/2022 6:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: NAI
Chloride	ND	59		mg/Kg	20	7/12/2022 1:17:08 PM	68714
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: ED
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	7/12/2022 3:11:53 PM	68672
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	7/12/2022 3:11:53 PM	68672
Surr: DNOP	87.1	51.1-141		%Rec	1	7/12/2022 3:11:53 PM	68672
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	7/11/2022 10:41:00 PM	68658
Surr: BFB	79.3	37.7-212		%Rec	1	7/11/2022 10:41:00 PM	68658
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.025		mg/Kg	1	7/11/2022 10:41:00 PM	68658
Toluene	ND	0.050		mg/Kg	1	7/11/2022 10:41:00 PM	68658
Ethylbenzene	ND	0.050		mg/Kg	1	7/11/2022 10:41:00 PM	68658
Xylenes, Total	ND	0.099		mg/Kg	1	7/11/2022 10:41:00 PM	68658
Surr: 4-Bromofluorobenzene	79.9	70-130		%Rec	1	7/11/2022 10:41:00 PM	68658

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

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

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Analytical Report

Lab Order 2207301

Date Reported: 7/15/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-27

Project: CM Morris 1

Collection Date: 7/7/2022 12:40:00 PM

Lab ID: 2207301-027

Matrix: SOIL

Received Date: 7/8/2022 6:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: NAI
Chloride	ND	60		mg/Kg	20	7/12/2022 1:54:21 PM	68714
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: ED
Diesel Range Organics (DRO)	20	15		mg/Kg	1	7/12/2022 3:26:20 PM	68672
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	7/12/2022 3:26:20 PM	68672
Surr: DNOP	94.8	51.1-141		%Rec	1	7/12/2022 3:26:20 PM	68672
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	27	25		mg/Kg	5	7/11/2022 11:01:00 PM	68658
Surr: BFB	108	37.7-212		%Rec	5	7/11/2022 11:01:00 PM	68658
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.12		mg/Kg	5	7/11/2022 11:01:00 PM	68658
Toluene	0.30	0.25		mg/Kg	5	7/11/2022 11:01:00 PM	68658
Ethylbenzene	ND	0.25		mg/Kg	5	7/11/2022 11:01:00 PM	68658
Xylenes, Total	2.3	0.49		mg/Kg	5	7/11/2022 11:01:00 PM	68658
Surr: 4-Bromofluorobenzene	91.9	70-130		%Rec	5	7/11/2022 11:01:00 PM	68658

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

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

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Analytical Report

Lab Order 2207301

Date Reported: 7/15/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-28

Project: CM Morris 1

Collection Date: 7/7/2022 12:45:00 PM

Lab ID: 2207301-028

Matrix: SOIL

Received Date: 7/8/2022 6:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: NAI
Chloride	ND	60		mg/Kg	20	7/12/2022 2:06:45 PM	68714
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: ED
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	7/12/2022 3:40:41 PM	68672
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	7/12/2022 3:40:41 PM	68672
Surr: DNOP	87.5	51.1-141		%Rec	1	7/12/2022 3:40:41 PM	68672
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	7/11/2022 11:21:00 PM	68658
Surr: BFB	83.4	37.7-212		%Rec	1	7/11/2022 11:21:00 PM	68658
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.025		mg/Kg	1	7/11/2022 11:21:00 PM	68658
Toluene	ND	0.050		mg/Kg	1	7/11/2022 11:21:00 PM	68658
Ethylbenzene	ND	0.050		mg/Kg	1	7/11/2022 11:21:00 PM	68658
Xylenes, Total	ND	0.099		mg/Kg	1	7/11/2022 11:21:00 PM	68658
Surr: 4-Bromofluorobenzene	84.5	70-130		%Rec	1	7/11/2022 11:21:00 PM	68658

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

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

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Analytical Report

Lab Order 2207301

Date Reported: 7/15/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-29

Project: CM Morris 1

Collection Date: 7/7/2022 12:50:00 PM

Lab ID: 2207301-029

Matrix: SOIL

Received Date: 7/8/2022 6:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: NAI
Chloride	ND	60		mg/Kg	20	7/12/2022 2:43:58 PM	68714
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: ED
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	7/12/2022 3:55:23 PM	68672
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	7/12/2022 3:55:23 PM	68672
Surr: DNOP	88.1	51.1-141		%Rec	1	7/12/2022 3:55:23 PM	68672
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	7/11/2022 11:41:00 PM	68658
Surr: BFB	79.3	37.7-212		%Rec	1	7/11/2022 11:41:00 PM	68658
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.025		mg/Kg	1	7/11/2022 11:41:00 PM	68658
Toluene	ND	0.050		mg/Kg	1	7/11/2022 11:41:00 PM	68658
Ethylbenzene	ND	0.050		mg/Kg	1	7/11/2022 11:41:00 PM	68658
Xylenes, Total	ND	0.099		mg/Kg	1	7/11/2022 11:41:00 PM	68658
Surr: 4-Bromofluorobenzene	81.6	70-130		%Rec	1	7/11/2022 11:41:00 PM	68658

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

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

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Analytical Report

Lab Order 2207301

Date Reported: 7/15/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-30

Project: CM Morris 1

Collection Date: 7/7/2022 12:55:00 PM

Lab ID: 2207301-030

Matrix: SOIL

Received Date: 7/8/2022 6:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: NAI
Chloride	ND	60		mg/Kg	20	7/12/2022 2:56:23 PM	68714
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: ED
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	7/12/2022 4:09:58 PM	68672
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	7/12/2022 4:09:58 PM	68672
Surr: DNOP	86.1	51.1-141		%Rec	1	7/12/2022 4:09:58 PM	68672
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/12/2022 12:20:00 AM	68658
Surr: BFB	80.0	37.7-212		%Rec	1	7/12/2022 12:20:00 AM	68658
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.025		mg/Kg	1	7/12/2022 12:20:00 AM	68658
Toluene	ND	0.049		mg/Kg	1	7/12/2022 12:20:00 AM	68658
Ethylbenzene	ND	0.049		mg/Kg	1	7/12/2022 12:20:00 AM	68658
Xylenes, Total	ND	0.098		mg/Kg	1	7/12/2022 12:20:00 AM	68658
Surr: 4-Bromofluorobenzene	81.1	70-130		%Rec	1	7/12/2022 12:20:00 AM	68658

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

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

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Analytical Report

Lab Order 2207301

Date Reported: 7/15/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-31

Project: CM Morris 1

Collection Date: 7/7/2022 1:00:00 PM

Lab ID: 2207301-031

Matrix: SOIL

Received Date: 7/8/2022 6:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: NAI
Chloride	ND	60		mg/Kg	20	7/12/2022 3:08:47 PM	68714
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: ED
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	7/12/2022 4:24:23 PM	68672
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	7/12/2022 4:24:23 PM	68672
Surr: DNOP	94.4	51.1-141		%Rec	1	7/12/2022 4:24:23 PM	68672
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/12/2022 12:40:00 AM	68658
Surr: BFB	90.0	37.7-212		%Rec	1	7/12/2022 12:40:00 AM	68658
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.024		mg/Kg	1	7/12/2022 12:40:00 AM	68658
Toluene	ND	0.049		mg/Kg	1	7/12/2022 12:40:00 AM	68658
Ethylbenzene	ND	0.049		mg/Kg	1	7/12/2022 12:40:00 AM	68658
Xylenes, Total	0.11	0.098		mg/Kg	1	7/12/2022 12:40:00 AM	68658
Surr: 4-Bromofluorobenzene	81.9	70-130		%Rec	1	7/12/2022 12:40:00 AM	68658

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

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

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Analytical Report

Lab Order 2207301

Date Reported: 7/15/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-32

Project: CM Morris 1

Collection Date: 7/7/2022 1:05:00 PM

Lab ID: 2207301-032

Matrix: SOIL

Received Date: 7/8/2022 6:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: NAI
Chloride	ND	60		mg/Kg	20	7/12/2022 3:21:11 PM	68714
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: ED
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	7/12/2022 4:38:55 PM	68672
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	7/12/2022 4:38:55 PM	68672
Surr: DNOP	91.7	51.1-141		%Rec	1	7/12/2022 4:38:55 PM	68672
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/12/2022 1:00:00 AM	68658
Surr: BFB	81.5	37.7-212		%Rec	1	7/12/2022 1:00:00 AM	68658
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.024		mg/Kg	1	7/12/2022 1:00:00 AM	68658
Toluene	ND	0.049		mg/Kg	1	7/12/2022 1:00:00 AM	68658
Ethylbenzene	ND	0.049		mg/Kg	1	7/12/2022 1:00:00 AM	68658
Xylenes, Total	ND	0.097		mg/Kg	1	7/12/2022 1:00:00 AM	68658
Surr: 4-Bromofluorobenzene	82.3	70-130		%Rec	1	7/12/2022 1:00:00 AM	68658

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

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

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Analytical Report

Lab Order 2207301

Date Reported: 7/15/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-33

Project: CM Morris 1

Collection Date: 7/7/2022 1:10:00 PM

Lab ID: 2207301-033

Matrix: SOIL

Received Date: 7/8/2022 6:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: NAI
Chloride	ND	60		mg/Kg	20	7/12/2022 3:33:35 PM	68714
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: ED
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	7/12/2022 4:53:05 PM	68672
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	7/12/2022 4:53:05 PM	68672
Surr: DNOP	88.8	51.1-141		%Rec	1	7/12/2022 4:53:05 PM	68672
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	7/12/2022 1:20:00 AM	68658
Surr: BFB	86.1	37.7-212		%Rec	1	7/12/2022 1:20:00 AM	68658
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.025		mg/Kg	1	7/12/2022 1:20:00 AM	68658
Toluene	ND	0.050		mg/Kg	1	7/12/2022 1:20:00 AM	68658
Ethylbenzene	ND	0.050		mg/Kg	1	7/12/2022 1:20:00 AM	68658
Xylenes, Total	ND	0.099		mg/Kg	1	7/12/2022 1:20:00 AM	68658
Surr: 4-Bromofluorobenzene	82.5	70-130		%Rec	1	7/12/2022 1:20:00 AM	68658

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

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

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Analytical Report

Lab Order 2207301

Date Reported: 7/15/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-34

Project: CM Morris 1

Collection Date: 7/7/2022 1:15:00 PM

Lab ID: 2207301-034

Matrix: SOIL

Received Date: 7/8/2022 6:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: NAI
Chloride	ND	60		mg/Kg	20	7/12/2022 3:46:00 PM	68714
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: ED
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	7/12/2022 5:07:47 PM	68672
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	7/12/2022 5:07:47 PM	68672
Surr: DNOP	91.4	51.1-141		%Rec	1	7/12/2022 5:07:47 PM	68672
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/12/2022 1:39:00 AM	68658
Surr: BFB	85.9	37.7-212		%Rec	1	7/12/2022 1:39:00 AM	68658
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.025		mg/Kg	1	7/12/2022 1:39:00 AM	68658
Toluene	ND	0.049		mg/Kg	1	7/12/2022 1:39:00 AM	68658
Ethylbenzene	ND	0.049		mg/Kg	1	7/12/2022 1:39:00 AM	68658
Xylenes, Total	ND	0.099		mg/Kg	1	7/12/2022 1:39:00 AM	68658
Surr: 4-Bromofluorobenzene	85.2	70-130		%Rec	1	7/12/2022 1:39:00 AM	68658

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

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

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Analytical Report

Lab Order 2207301

Date Reported: 7/15/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-35

Project: CM Morris 1

Collection Date: 7/7/2022 1:20:00 PM

Lab ID: 2207301-035

Matrix: SOIL

Received Date: 7/8/2022 6:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: NAI
Chloride	ND	60		mg/Kg	20	7/12/2022 3:58:24 PM	68714
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: ED
Diesel Range Organics (DRO)	16	15		mg/Kg	1	7/13/2022 11:47:41 AM	68672
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	7/13/2022 11:47:41 AM	68672
Surr: DNOP	99.3	51.1-141		%Rec	1	7/13/2022 11:47:41 AM	68672
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	24		mg/Kg	5	7/12/2022 9:49:00 AM	68658
Surr: BFB	102	37.7-212		%Rec	5	7/12/2022 9:49:00 AM	68658
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.12		mg/Kg	5	7/12/2022 9:49:00 AM	68658
Toluene	ND	0.24		mg/Kg	5	7/12/2022 9:49:00 AM	68658
Ethylbenzene	ND	0.24		mg/Kg	5	7/12/2022 9:49:00 AM	68658
Xylenes, Total	ND	0.49		mg/Kg	5	7/12/2022 9:49:00 AM	68658
Surr: 4-Bromofluorobenzene	95.4	70-130		%Rec	5	7/12/2022 9:49:00 AM	68658

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

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

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Analytical Report

Lab Order 2207301

Date Reported: 7/15/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-36

Project: CM Morris 1

Collection Date: 7/7/2022 1:25:00 PM

Lab ID: 2207301-036

Matrix: SOIL

Received Date: 7/8/2022 6:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: NAI
Chloride	ND	60		mg/Kg	20	7/12/2022 4:10:48 PM	68714
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: ED
Diesel Range Organics (DRO)	15	14		mg/Kg	1	7/12/2022 5:22:08 PM	68672
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	7/12/2022 5:22:08 PM	68672
Surr: DNOP	105	51.1-141		%Rec	1	7/12/2022 5:22:08 PM	68672
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	25		mg/Kg	5	7/12/2022 2:19:00 AM	68658
Surr: BFB	94.0	37.7-212		%Rec	5	7/12/2022 2:19:00 AM	68658
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.12		mg/Kg	5	7/12/2022 2:19:00 AM	68658
Toluene	ND	0.25		mg/Kg	5	7/12/2022 2:19:00 AM	68658
Ethylbenzene	ND	0.25		mg/Kg	5	7/12/2022 2:19:00 AM	68658
Xylenes, Total	ND	0.50		mg/Kg	5	7/12/2022 2:19:00 AM	68658
Surr: 4-Bromofluorobenzene	89.1	70-130		%Rec	5	7/12/2022 2:19:00 AM	68658

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

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

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

WO#: 2207301

15-Jul-22

Client: ENSOLUM

Project: CM Morris 1

Sample ID: MB-68696	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 68696	RunNo: 89392								
Prep Date: 7/11/2022	Analysis Date: 7/11/2022	SeqNo: 3180049	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-68696	SampType: lcs	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 68696	RunNo: 89392								
Prep Date: 7/11/2022	Analysis Date: 7/11/2022	SeqNo: 3180050	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	92.1	90	110			

Sample ID: MB-68681	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 68681	RunNo: 89394								
Prep Date: 7/11/2022	Analysis Date: 7/11/2022	SeqNo: 3180120	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-68681	SampType: lcs	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 68681	RunNo: 89394								
Prep Date: 7/11/2022	Analysis Date: 7/11/2022	SeqNo: 3180121	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			

Sample ID: MB-68714	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 68714	RunNo: 89439								
Prep Date: 7/12/2022	Analysis Date: 7/12/2022	SeqNo: 3181846	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-68714	SampType: lcs	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 68714	RunNo: 89439								
Prep Date: 7/12/2022	Analysis Date: 7/12/2022	SeqNo: 3181847	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	92.5	90	110			

Qualifiers:

* Value exceeds Maximum Contaminant Level.
D Sample Diluted Due to Matrix
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
PQL Practical Quantitative Limit
S % Recovery outside of 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#: 2207301

15-Jul-22

Client: ENSOLUM**Project:** CM Morris 1

Sample ID: MB-68651	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 68651	RunNo: 89367								
Prep Date: 7/8/2022	Analysis Date: 7/11/2022	SeqNo: 3179032 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	15								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	10		10.00		104	51.1	141			

Sample ID: LCS-68651	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 68651	RunNo: 89367								
Prep Date: 7/8/2022	Analysis Date: 7/11/2022	SeqNo: 3179034 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	50	15	50.00	0	101	64.4	127			
Surr: DNOP	5.6		5.000		112	51.1	141			

Sample ID: MB-68675	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 68675	RunNo: 89401								
Prep Date: 7/11/2022	Analysis Date: 7/12/2022	SeqNo: 3180414 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	15								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	9.6		10.00		96.2	51.1	141			

Sample ID: LCS-68675	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 68675	RunNo: 89401								
Prep Date: 7/11/2022	Analysis Date: 7/12/2022	SeqNo: 3180415 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	48	15	50.00	0	96.9	64.4	127			
Surr: DNOP	4.8		5.000		96.3	51.1	141			

Sample ID: MB-68672	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 68672	RunNo: 89397								
Prep Date: 7/11/2022	Analysis Date: 7/12/2022	SeqNo: 3180547 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	15								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	9.4		10.00		94.1	51.1	141			

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#: 2207301

15-Jul-22

Client: ENSOLUM

Project: CM Morris 1

Sample ID: LCS-68672	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 68672	RunNo: 89397								
Prep Date: 7/11/2022	Analysis Date: 7/12/2022	SeqNo: 3180548 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	56	15	50.00	0	111	64.4	127			
Surr: DNOP	5.3		5.000		107	51.1	141			

Sample ID: MB-68693	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 68693	RunNo: 89397								
Prep Date: 7/11/2022	Analysis Date: 7/12/2022	SeqNo: 3180569 Units: %Rec								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	8.4		10.00		83.6	51.1	141			

Sample ID: 2207301-017AMS	SampType: MS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: S-17	Batch ID: 68675	RunNo: 89401								
Prep Date: 7/11/2022	Analysis Date: 7/12/2022	SeqNo: 3181527 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	42	14	45.21	0	93.9	36.1	154			
Surr: DNOP	4.4		4.521		98.2	51.1	141			

Sample ID: 2207301-017AMSD	SampType: MSD	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: S-17	Batch ID: 68675	RunNo: 89401								
Prep Date: 7/11/2022	Analysis Date: 7/12/2022	SeqNo: 3181528 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	40	14	45.13	0	88.1	36.1	154	6.52	33.9	
Surr: DNOP	4.4		4.513		97.6	51.1	141	0	0	

Sample ID: LCS-68693	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 68693	RunNo: 89397								
Prep Date: 7/11/2022	Analysis Date: 7/12/2022	SeqNo: 3181560 Units: %Rec								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	4.0		5.000		81.0	51.1	141			

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#: 2207301

15-Jul-22

Client: ENSOLUM**Project:** CM Morris 1

Sample ID: mb-68649	SampType: MBLK			TestCode: EPA Method 8015D: Gasoline Range						
Client ID: PBS	Batch ID: 68649			RunNo: 89366						
Prep Date: 7/8/2022	Analysis Date: 7/11/2022			SeqNo: 3179355		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	980		1000		97.7	37.7	212			

Sample ID: lcs-68649	SampType: LCS			TestCode: EPA Method 8015D: Gasoline Range						
Client ID: LCSS	Batch ID: 68649			RunNo: 89366						
Prep Date: 7/8/2022	Analysis Date: 7/11/2022			SeqNo: 3179356		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	26	5.0	25.00	0	103	72.3	137			
Surr: BFB	1900		1000		193	37.7	212			

Sample ID: lcs-68658	SampType: LCS			TestCode: EPA Method 8015D: Gasoline Range						
Client ID: LCSS	Batch ID: 68658			RunNo: 89377						
Prep Date: 7/9/2022	Analysis Date: 7/11/2022			SeqNo: 3179571		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	22	5.0	25.00	0	88.4	72.3	137			
Surr: BFB	1800		1000		176	37.7	212			

Sample ID: mb-68658	SampType: MBLK			TestCode: EPA Method 8015D: Gasoline Range						
Client ID: PBS	Batch ID: 68658			RunNo: 89377						
Prep Date: 7/9/2022	Analysis Date: 7/11/2022			SeqNo: 3179572		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	810		1000		81.0	37.7	212			

Sample ID: 2207301-020ams	SampType: MS			TestCode: EPA Method 8015D: Gasoline Range						
Client ID: S-20	Batch ID: 68658			RunNo: 89377						
Prep Date: 7/9/2022	Analysis Date: 7/11/2022			SeqNo: 3179574		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	27	25	24.63	0	112	70	130			
Surr: BFB	5500		4926		111	37.7	212			

Sample ID: 2207301-020amsd	SampType: MSD			TestCode: EPA Method 8015D: Gasoline Range						
Client ID: S-20	Batch ID: 68658			RunNo: 89377						
Prep Date: 7/9/2022	Analysis Date: 7/11/2022			SeqNo: 3179575		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2207301

15-Jul-22

Client: ENSOLUM
Project: CM Morris 1

Sample ID: 2207301-020amsd		SampType: MSD			TestCode: EPA Method 8015D: Gasoline Range					
Client ID: S-20		Batch ID: 68658			RunNo: 89377					
Prep Date: 7/9/2022		Analysis Date: 7/11/2022			SeqNo: 3179575		Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	27	25	24.88	0	109	70	130	1.73	20	
Surr: BFB	5600		4975		113	37.7	212	0	0	

Qualifiers:

* Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quantitative Limit

S % Recovery outside of range due to dilution or matrix interference

B Analyte detected in the associated Method Blank

E Estimated value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

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

WO#: 2207301

15-Jul-22

Client: ENSOLUM

Project: CM Morris 1

Sample ID: mb-68649	SampType: MBLK	TestCode: EPA Method 8021B: Volatiles								
Client ID: PBS	Batch ID: 68649	RunNo: 89366								
Prep Date: 7/8/2022	Analysis Date: 7/11/2022	SeqNo: 3179404	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.99		1.000		98.8	70	130			

Sample ID: LCS-68649	SampType: LCS	TestCode: EPA Method 8021B: Volatiles								
Client ID: LCSS	Batch ID: 68649	RunNo: 89366								
Prep Date: 7/8/2022	Analysis Date: 7/11/2022	SeqNo: 3179405	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.98	0.025	1.000	0	98.2	80	120			
Toluene	1.0	0.050	1.000	0	103	80	120			
Ethylbenzene	1.0	0.050	1.000	0	103	80	120			
Xylenes, Total	3.1	0.10	3.000	0	103	80	120			
Surr: 4-Bromofluorobenzene	1.0		1.000		101	70	130			

Sample ID: lcs-68658	SampType: LCS	TestCode: EPA Method 8021B: Volatiles								
Client ID: LCSS	Batch ID: 68658	RunNo: 89377								
Prep Date: 7/9/2022	Analysis Date: 7/11/2022	SeqNo: 3179619	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.85	0.025	1.000	0	85.4	80	120			
Toluene	0.88	0.050	1.000	0	88.2	80	120			
Ethylbenzene	0.87	0.050	1.000	0	87.2	80	120			
Xylenes, Total	2.6	0.10	3.000	0	86.7	80	120			
Surr: 4-Bromofluorobenzene	0.82		1.000		81.7	70	130			

Sample ID: mb-68658	SampType: MBLK	TestCode: EPA Method 8021B: Volatiles								
Client ID: PBS	Batch ID: 68658	RunNo: 89377								
Prep Date: 7/9/2022	Analysis Date: 7/11/2022	SeqNo: 3179620	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.81		1.000		81.4	70	130			

Qualifiers:

* Value exceeds Maximum Contaminant Level.
D Sample Diluted Due to Matrix
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
PQL Practical Quantitative Limit
S % Recovery outside of range due to dilution or matrix interference

B Analyte detected in the associated Method Blank
E Estimated value
J Analyte detected below quantitation limits
P Sample pH Not In Range
RL Reporting Limit

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

WO#: 2207301

15-Jul-22

Client: ENSOLUM

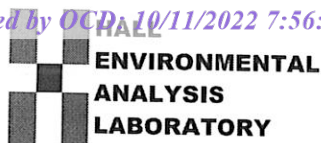
Project: CM Morris 1

Sample ID: 2207301-021ams	SampType: MS			TestCode: EPA Method 8021B: Volatiles						
Client ID: S-21	Batch ID: 68658			RunNo: 89377						
Prep Date: 7/9/2022	Analysis Date: 7/11/2022			SeqNo: 3179623			Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.92	0.12	0.9852	0	93.2	68.8	120			
Toluene	0.96	0.25	0.9852	0	97.5	73.6	124			
Ethylbenzene	1.0	0.25	0.9852	0	102	72.7	129			
Xylenes, Total	3.0	0.49	2.956	0	101	75.7	126			
Surr: 4-Bromofluorobenzene	4.3		4.926		86.7	70	130			

Sample ID: 2207301-021amsd		SampType: MSD		TestCode: EPA Method 8021B: Volatiles						
Client ID: S-21		Batch ID: 68658		RunNo: 89377						
Prep Date: 7/9/2022		Analysis Date: 7/11/2022		SeqNo: 3179624		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.91	0.12	0.9950	0	91.4	68.8	120	0.954	20	
Toluene	0.97	0.25	0.9950	0	97.0	73.6	124	0.507	20	
Ethylbenzene	1.0	0.25	0.9950	0	101	72.7	129	0.125	20	
Xylenes, Total	3.0	0.50	2.985	0	99.1	75.7	126	1.21	20	
Surr: 4-Bromofluorobenzene	4.2		4.975		84.7	70	130	0	0	

Qualifiers:

* Value exceeds Maximum Contaminant Level.	B Analyte detected in the associated Method Blank
D Sample Diluted Due to Matrix	E Estimated value
H Holding times for preparation or analysis exceeded	J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit	P Sample pH Not In Range
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: 2207301

RcptNo: 1

Received By: Juan Rojas 7/8/2022 6:50:00 AM

Completed By: Sean Livingston 7/8/2022 8:06:06 AM

Reviewed By: KPC 7-8-22

Chain of Custody

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

Log In

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

of preserved
bottles checked
for pH:

(<2 or >12 unless noted)

Adjusted? _____

Checked by: jr 7/8/22

Special Handling (if applicable)

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

Person Notified: _____

Date: _____

By Whom: _____

Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

16. Additional remarks:

17. Cooler Information

Cooler No	Temp $^{\circ}\text{C}$	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	0.2	Good				
2	0.3	Good				

Chain-of-Custody Record

Client: Ensolum, LLCMailing Address: 600 S Rio Grande, Suite APhone #: Artec, NM 87410email or Fax#: Ksummers@ensolum.com

QA/QC Package:

☐ Standard ☐ Level 4 (Full Validation)Accreditation: ☐ Az Compliance☐ NELAC ☐ Other☐ EDD (Type)Project Manager: KsummersSampler: R DeechillyOn Ice: ☒ Yes ☐ No# of Coolers: 2Cooler Temp (including CF): 0.3-0.1-6.2 (°C)

Container Type and #

Preservative Type

HEAL No.

2207301

1x 4oz Jar

C001

001

1x 4oz Jar

C001

002

1x 4oz Jar

C001

003

1x 4oz Jar

C001

004

1x 4oz Jar

C001

005

1x 4oz Jar

C001

006

1x 4oz Jar

C001

007

1x 4oz Jar

C001

008

1x 4oz Jar

C001

009

1x 4oz Jar

C001

010

1x 4oz Jar

C001

011

1x 4oz Jar

C001

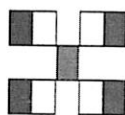
012

1x 4oz Jar

C001

Received by: [Signature]Date: 7/18/22Time: 6:50Via: courierReceived by: [Signature]Date: 7/18/22Time: 6:50Via: courierTurn-Around Time: 3-DAY☐ Standard ☐ Rush

Project Name:

CM Morris #1Project #: See notesHALL 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 PCBs

EDB (Method 504.1)

PAHs by 8310 or 8270SIMS

RCRA 8 Metals

Cl, F, Br, NO₃, NO₂, PO₄, SO₄

8260 (VOA)

8270 (Semi-VOA)

Total Coliform (Present/Absent)

Chloride

Remarks:

3-DAY
Turnaround

PM - Tom Long (EPROD)

Pay Key - RBA1300

NunAFE - N59999



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

August 01, 2022

Kyle Summers

ENSOLUM

606 S. Rio Grande Suite A

Aztec, NM 87410

TEL: (903) 821-5603

FAX:

RE: CM Morris 1

OrderNo.: 2207723

Dear Kyle Summers:

Hall Environmental Analysis Laboratory received 3 sample(s) on 7/15/2022 for the analyses presented in the following report.

This report is a revised report and it replaces the original report issued July 19, 2022.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. 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. All samples are reported as received unless otherwise indicated.

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 2207723

Date Reported: 8/1/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-35a

Project: CM Morris 1

Collection Date: 7/14/2022 3:00:00 PM

Lab ID: 2207723-001

Matrix: MEOH (SOIL)

Received Date: 7/15/2022 6:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: NAI
Chloride	ND	60		mg/Kg	20	7/15/2022 11:34:47 AM	68808
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: ED
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	7/15/2022 12:49:52 PM	68799
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	7/15/2022 12:49:52 PM	68799
Surr: DNOP	82.9	51.1-141		%Rec	1	7/15/2022 12:49:52 PM	68799
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	21	17		mg/Kg	5	7/15/2022 9:00:04 AM	68789
Surr: BFB	127	37.7-212		%Rec	5	7/15/2022 9:00:04 AM	68789
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.086		mg/Kg	5	7/15/2022 9:00:04 AM	68789
Toluene	0.19	0.17		mg/Kg	5	7/15/2022 9:00:04 AM	68789
Ethylbenzene	ND	0.17		mg/Kg	5	7/15/2022 9:00:04 AM	68789
Xylenes, Total	0.91	0.34		mg/Kg	5	7/15/2022 9:00:04 AM	68789
Surr: 4-Bromofluorobenzene	104	70-130		%Rec	5	7/15/2022 9:00:04 AM	68789

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

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

Page 1 of 7

Analytical Report

Lab Order 2207723

Date Reported: 8/1/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-36a

Project: CM Morris 1

Collection Date: 7/14/2022 3:05:00 PM

Lab ID: 2207723-002

Matrix: MEOH (SOIL)

Received Date: 7/15/2022 6:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: NAI
Chloride	ND	60		mg/Kg	20	7/15/2022 11:47:12 AM	68808
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: ED
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	7/15/2022 1:03:50 PM	68799
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	7/15/2022 1:03:50 PM	68799
Surr: DNOP	82.8	51.1-141		%Rec	1	7/15/2022 1:03:50 PM	68799
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	17		mg/Kg	5	7/15/2022 9:23:37 AM	68789
Surr: BFB	104	37.7-212		%Rec	5	7/15/2022 9:23:37 AM	68789
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.085		mg/Kg	5	7/15/2022 9:23:37 AM	68789
Toluene	ND	0.17		mg/Kg	5	7/15/2022 9:23:37 AM	68789
Ethylbenzene	ND	0.17		mg/Kg	5	7/15/2022 9:23:37 AM	68789
Xylenes, Total	ND	0.34		mg/Kg	5	7/15/2022 9:23:37 AM	68789
Surr: 4-Bromofluorobenzene	102	70-130		%Rec	5	7/15/2022 9:23:37 AM	68789

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

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

Page 2 of 7

Analytical Report

Lab Order 2207723

Date Reported: 8/1/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-37

Project: CM Morris 1

Collection Date: 7/14/2022 3:10:00 PM

Lab ID: 2207723-003

Matrix: MEOH (SOIL)

Received Date: 7/15/2022 6:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: NAI
Chloride	ND	60		mg/Kg	20	7/15/2022 11:59:37 AM	68808
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: ED
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	7/15/2022 1:17:32 PM	68799
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	7/15/2022 1:17:32 PM	68799
Surr: DNOP	81.2	51.1-141		%Rec	1	7/15/2022 1:17:32 PM	68799
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	3.9		mg/Kg	1	7/15/2022 9:47:09 AM	68789
Surr: BFB	111	37.7-212		%Rec	1	7/15/2022 9:47:09 AM	68789
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.020		mg/Kg	1	7/15/2022 9:47:09 AM	68789
Toluene	ND	0.039		mg/Kg	1	7/15/2022 9:47:09 AM	68789
Ethylbenzene	ND	0.039		mg/Kg	1	7/15/2022 9:47:09 AM	68789
Xylenes, Total	0.15	0.078		mg/Kg	1	7/15/2022 9:47:09 AM	68789
Surr: 4-Bromofluorobenzene	103	70-130		%Rec	1	7/15/2022 9:47:09 AM	68789

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

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

Page 3 of 7

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: 2207723
01-Aug-22

Client: ENSOLUM
Project: CM Morris 1

Sample ID: MB-68808	SampType: mblk	TestCode: EPA Method 300.0: Anions
Client ID: PBS	Batch ID: 68808	RunNo: 89522
Prep Date: 7/15/2022	Analysis Date: 7/15/2022	SeqNo: 3188544 Units: mg/Kg
Analyte	Result	PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Chloride	ND	1.5

Sample ID: LCS-68808	SampType: lcs	TestCode: EPA Method 300.0: Anions
Client ID: LCSS	Batch ID: 68808	RunNo: 89522
Prep Date: 7/15/2022	Analysis Date: 7/15/2022	SeqNo: 3188545 Units: mg/Kg
Analyte	Result	PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Chloride	14	1.5 15.00 0 92.5 90 110

Qualifiers:

- *

Value exceeds Maximum Contaminant Level.
- D

Sample Diluted Due to Matrix
- H

Holding times for preparation or analysis exceeded
- ND

Not Detected at the Reporting Limit
- PQL

Practical Quantitative Limit
- S

% Recovery outside of 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#: 2207723

01-Aug-22

Client: ENSOLUM
Project: CM Morris 1

Sample ID: MB-68799	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 68799	RunNo: 89525								
Prep Date: 7/15/2022	Analysis Date: 7/15/2022	SeqNo: 3186308 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	15								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	7.8		10.00		77.7	51.1	141			

Sample ID: LCS-68799	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 68799	RunNo: 89525								
Prep Date: 7/15/2022	Analysis Date: 7/15/2022	SeqNo: 3186309 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	46	15	50.00	0	92.2	64.4	127			
Surr: DNOP	4.0		5.000		79.0	51.1	141			

Sample ID: 2207723-001AMS	SampType: MS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: S-35a	Batch ID: 68799	RunNo: 89525								
Prep Date: 7/15/2022	Analysis Date: 7/15/2022	SeqNo: 3186313 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	52	14	48.12	11.79	84.5	36.1	154			
Surr: DNOP	4.0		4.812		82.7	51.1	141			

Sample ID: 2207723-001AMSD	SampType: MSD	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: S-35a	Batch ID: 68799	RunNo: 89525								
Prep Date: 7/15/2022	Analysis Date: 7/15/2022	SeqNo: 3186314 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	43	13	43.40	11.79	71.7	36.1	154	20.0	33.9	
Surr: DNOP	3.2		4.340		74.3	51.1	141	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#: 2207723

01-Aug-22

Client: ENSOLUM
Project: CM Morris 1

Sample ID: mb-68789	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: PBS	Batch ID: 68789	RunNo: 89514								
Prep Date: 7/14/2022	Analysis Date: 7/15/2022	SeqNo: 3187143	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	960		1000		95.8	37.7	212			

Sample ID: lcs-68789	SampType: LCS	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: LCSS	Batch ID: 68789	RunNo: 89514								
Prep Date: 7/14/2022	Analysis Date: 7/15/2022	SeqNo: 3187144	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	24	5.0	25.00	0	94.3	72.3	137			
Surr: BFB	2000		1000		197	37.7	212			

Qualifiers:

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

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

WO#: 2207723

01-Aug-22

Client: ENSOLUM
Project: CM Morris 1

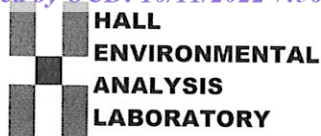
Sample ID: mb-68789	SampType: MBLK	TestCode: EPA Method 8021B: Volatiles								
Client ID: PBS	Batch ID: 68789	RunNo: 89514								
Prep Date: 7/14/2022	Analysis Date: 7/15/2022	SeqNo: 3187219	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.0		1.000		101	70	130			

Sample ID: LCS-68789	SampType: LCS	TestCode: EPA Method 8021B: Volatiles								
Client ID: LCSS	Batch ID: 68789	RunNo: 89514								
Prep Date: 7/14/2022	Analysis Date: 7/15/2022	SeqNo: 3187220	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.025	1.000	0	101	80	120			
Toluene	1.0	0.050	1.000	0	104	80	120			
Ethylbenzene	1.1	0.050	1.000	0	105	80	120			
Xylenes, Total	3.1	0.10	3.000	0	104	80	120			
Surr: 4-Bromofluorobenzene	1.0		1.000		103	70	130			

Qualifiers:

* Value exceeds Maximum Contaminant Level.
D Sample Diluted Due to Matrix
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
PQL Practical Quantitative Limit
S % Recovery outside of range due to dilution or matrix interference

B Analyte detected in the associated Method Blank
E Estimated value
J Analyte detected below quantitation limits
P Sample pH Not In Range
RL Reporting Limit



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

Sample Log-In Check List

Client Name: ENSOLUM

Work Order Number: 2207723

RcptNo: 1

Received By: Juan Rojas

7/15/2022 6:05:00 AM

Juan Rojas

Completed By: Cheyenne Cason

7/15/2022 7:07:47 AM

Cason

Reviewed By: IO

07/15/22

Chain of Custody

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

Log In

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

of preserved
bottles checked
for pH:

(<2 or >12 unless noted)

Adjusted?

Checked by: *yn 7/15/22*

Special Handling (if applicable)

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

Person Notified: _____

Date: _____

By Whom: _____

Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

16. Additional remarks:

17. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.5	Good	Yes			



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

July 29, 2022

Kyle Summers

ENSOLUM

606 S. Rio Grande Suite A

Aztec, NM 87410

TEL: (903) 821-5603

FAX:

RE: CM Morris 1

OrderNo.: 2207919

Dear Kyle Summers:

Hall Environmental Analysis Laboratory received 4 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 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".

Andy Freeman

Laboratory Manager

4901 Hawkins NE

Albuquerque, NM 87109

Analytical Report

Lab Order 2207919

Date Reported: 7/29/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-38

Project: CM Morris 1

Collection Date: 7/19/2022 9:30:00 AM

Lab ID: 2207919-001

Matrix: MEOH (SOIL)

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

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	ND	59		mg/Kg	20	7/20/2022 11:22:26 AM	68909
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: ED
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	7/20/2022 12:21:15 PM	68906
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	7/20/2022 12:21:15 PM	68906
Surr: DNOP	66.0	51.1-141		%Rec	1	7/20/2022 12:21:15 PM	68906
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	3.2		mg/Kg	1	7/20/2022 11:16:26 AM	G89634
Surr: BFB	98.9	37.7-212		%Rec	1	7/20/2022 11:16:26 AM	G89634
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.016		mg/Kg	1	7/20/2022 11:16:26 AM	B89634
Toluene	ND	0.032		mg/Kg	1	7/20/2022 11:16:26 AM	B89634
Ethylbenzene	ND	0.032		mg/Kg	1	7/20/2022 11:16:26 AM	B89634
Xylenes, Total	ND	0.064		mg/Kg	1	7/20/2022 11:16:26 AM	B89634
Surr: 4-Bromofluorobenzene	99.5	70-130		%Rec	1	7/20/2022 11:16:26 AM	B89634

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

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

Page 1 of 8

Analytical Report

Lab Order 2207919

Date Reported: 7/29/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-39

Project: CM Morris 1

Collection Date: 7/19/2022 9:40:00 AM

Lab ID: 2207919-002

Matrix: MEOH (SOIL)

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

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	ND	61		mg/Kg	20	7/20/2022 11:34:50 AM	68909
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: ED
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	7/20/2022 12:34:37 PM	68906
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	7/20/2022 12:34:37 PM	68906
Surr: DNOP	70.5	51.1-141		%Rec	1	7/20/2022 12:34:37 PM	68906
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	3.3		mg/Kg	1	7/20/2022 11:40:03 AM	G89634
Surr: BFB	99.4	37.7-212		%Rec	1	7/20/2022 11:40:03 AM	G89634
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.016		mg/Kg	1	7/20/2022 11:40:03 AM	B89634
Toluene	ND	0.033		mg/Kg	1	7/20/2022 11:40:03 AM	B89634
Ethylbenzene	ND	0.033		mg/Kg	1	7/20/2022 11:40:03 AM	B89634
Xylenes, Total	ND	0.065		mg/Kg	1	7/20/2022 11:40:03 AM	B89634
Surr: 4-Bromofluorobenzene	99.1	70-130		%Rec	1	7/20/2022 11:40:03 AM	B89634

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

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

Page 2 of 8

Analytical Report

Lab Order 2207919

Date Reported: 7/29/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-40

Project: CM Morris 1

Collection Date: 7/19/2022 9:50:00 AM

Lab ID: 2207919-003

Matrix: MEOH (SOIL)

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

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	ND	60		mg/Kg	20	7/20/2022 12:12:03 PM	68909
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: ED
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	7/20/2022 12:48:14 PM	68906
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	7/20/2022 12:48:14 PM	68906
Surr: DNOP	69.1	51.1-141		%Rec	1	7/20/2022 12:48:14 PM	68906
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	3.2		mg/Kg	1	7/20/2022 12:03:45 PM	G89634
Surr: BFB	98.6	37.7-212		%Rec	1	7/20/2022 12:03:45 PM	G89634
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.016		mg/Kg	1	7/20/2022 12:03:45 PM	B89634
Toluene	ND	0.032		mg/Kg	1	7/20/2022 12:03:45 PM	B89634
Ethylbenzene	ND	0.032		mg/Kg	1	7/20/2022 12:03:45 PM	B89634
Xylenes, Total	ND	0.065		mg/Kg	1	7/20/2022 12:03:45 PM	B89634
Surr: 4-Bromofluorobenzene	99.4	70-130		%Rec	1	7/20/2022 12:03:45 PM	B89634

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

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

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Analytical Report

Lab Order 2207919

Date Reported: 7/29/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-41

Project: CM Morris 1

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

Lab ID: 2207919-004

Matrix: MEOH (SOIL)

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

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	ND	60		mg/Kg	20	7/20/2022 12:24:28 PM	68909
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: ED
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	7/20/2022 2:09:48 PM	68906
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	7/20/2022 2:09:48 PM	68906
Surr: DNOP	67.6	51.1-141		%Rec	1	7/20/2022 2:09:48 PM	68906
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	3.7		mg/Kg	1	7/20/2022 12:27:30 PM	G89634
Surr: BFB	102	37.7-212		%Rec	1	7/20/2022 12:27:30 PM	G89634
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.018		mg/Kg	1	7/20/2022 12:27:30 PM	B89634
Toluene	ND	0.037		mg/Kg	1	7/20/2022 12:27:30 PM	B89634
Ethylbenzene	ND	0.037		mg/Kg	1	7/20/2022 12:27:30 PM	B89634
Xylenes, Total	ND	0.073		mg/Kg	1	7/20/2022 12:27:30 PM	B89634
Surr: 4-Bromofluorobenzene	99.8	70-130		%Rec	1	7/20/2022 12:27:30 PM	B89634

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

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

Page 4 of 8

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2207919

29-Jul-22

Client: ENSOLUM

Project: CM Morris 1

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

Sample ID: LCS-68909	SampType: lcs	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 68909	RunNo: 89636								
Prep Date: 7/20/2022	Analysis Date: 7/20/2022	SeqNo: 3192270	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	92.4	90	110			

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2207919

29-Jul-22

Client: ENSOLUM
Project: CM Morris 1

Sample ID: MB-68906	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 68906	RunNo: 89638								
Prep Date: 7/20/2022	Analysis Date: 7/20/2022	SeqNo: 3191528	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	15								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	5.6		10.00		56.2	51.1	141			

Sample ID: LCS-68906	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 68906	RunNo: 89638								
Prep Date: 7/20/2022	Analysis Date: 7/20/2022	SeqNo: 3191529	Units: mg/Kg							
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			

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#: 2207919

29-Jul-22

Client: ENSOLUM**Project:** CM Morris 1

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

Sample ID: 2.5ug gro lcs	SampType: LCS		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: LCSS	Batch ID: G89634		RunNo: 89634							
Prep Date:	Analysis Date: 7/20/2022		SeqNo: 3191715		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	26	5.0	25.00	0	104	72.3	137			
Surr: BFB	2000		1000		196	37.7	212			

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#: 2207919

29-Jul-22

Client: ENSOLUM**Project:** CM Morris 1

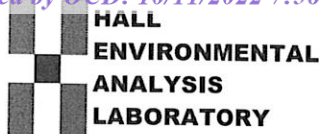
Sample ID: mb	SampType: MBLK	TestCode: EPA Method 8021B: Volatiles								
Client ID: PBS	Batch ID: B89634	RunNo: 89634								
Prep Date:	Analysis Date: 7/20/2022	SeqNo: 3191729	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025	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

Sample ID: 100ng btex lcs	SampType: LCS	TestCode: EPA Method 8021B: Volatiles								
Client ID: LCSS	Batch ID: B89634	RunNo: 89634								
Prep Date:	Analysis Date: 7/20/2022	SeqNo: 3191730	Units: mg/Kg							
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			

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



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: 2207919

RcptNo: 1

Received By: Juan Rojas

7/20/2022 6:50:00 AM

Juan Rojas

Completed By: Cheyenne Cason

7/20/2022 7:27:44 AM

*Cheyenne Cason*Reviewed By: *Cmc*

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°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 7/20/22*

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 $^{\circ}\text{C}$	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	0.9	Good	Yes			

Chain-of-Custody Record

Client: Ensolum, LLC

Mailing Address: 606 S. Rio Grande, Suite 100

Phone #: _____

email or Fax#: K.summers@ensolum.com

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

Accreditation: ☐ Az Compliance ☐ NELAC ☐ Other _____

☐ EDD (Type) _____

Turn-Around Time: ☐ Standard ☒ Rush 100% Day

Project Name: CM Morris

Project #: _____

Project Manager: K. Summers

Sampler: _____

On Ice: ☒ Yes ☐ No

of Coolers: 1

Cooler Temp (including CF): 6.9-0-0.9 (°C)

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.
7/19/22	9:30	S	S-38	14oz jar	Coal	2207919
7/19/22	9:40	S	S-39			001
7/19/22	9:50	S	S-40			002
7/19/22	10:00	S	S-41			003

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

Relinquished by: [Signature] Date: 7/19/22 Time: 12:13

Received by: [Signature] Date: 7/19/22 Time: 12:13

Relinquished by: [Signature] Date: 7/19/22 Time: 18:11

Received by: [Signature] Date: 7/20/22 Time: 6:50

Remarks:

PM Tom Long
Paykey R321200
NonAFE: N59999
Same Day

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 150062

CONDITIONS

Operator: Enterprise Field Services, LLC PO Box 4324 Houston, TX 77210	OGRID: 241602
	Action Number: 150062
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
nvelez	None	11/14/2022