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**

			Resp	onsible Part	y	
Responsible	Party: <b>Ente</b>	rprise Field Ser	vices, LLC	OGRID: 2	241602	
Contact Nam	ne: <b>Thomas</b>	Long		Contact T	elephone: <b>505-5</b>	99-2286
Contact emai	il: tjlong@e	prod.com		Incident	t # (assigned by OC	CD): nAPP212923819
Contact mail <b>87401</b>	ing address:	614 Reilly Ave,	Farmington, NM	M		
			Location	of Release S	ource	
Latitude 36.5	551656		Longitude	-107.982185	(NAI	O 83 in decimal degrees to 5 decimal places)
Site Name <b>D</b> o	outhit Fed	eral #6 PC		Site Type	Natural Gas G	athering Pipeline
Date Release	Discovered	: 10/19/2021		Serial Nun	nber (if applicable):	: N/A
Unit Letter	Section	Township	Range	Cour	nty	
D	26	27N	11W	San J	uan	
Surface Owner	r: State		ibal	lame <mark>: Navajo Nat</mark>	ion and BLM	)
			Nature and	Volume of 1	Release	
	Materia	l(s) Released (Select al	l that annly and attach (	calculations or specific	iustification for the	volumes provided below)
Crude Oil		Volume Release		outoutous of Spooting	Volume Recov	
Produced	Water	Volume Release	d (bbls)		Volume Recov	vered (bbls)
		Is the concentrat	ion of dissolved ch >10,000 mg/l?	nloride in the	Yes No	0
Condensa	ite	+ •	d (bbls): <b>5-10 BB</b> l	LS	Volume Recov	vered (bbls): None
Natural G	as	Volume Release	d (Mcf): 1.3 MCF	=	Volume Recov	vered (Mcf): None
Other (de	scribe)	Volume/Weight	Released (provide	units):	Volume/Weig	ht Recovered (provide units)
						ederal #6 PC pipeline. The pipeline was No residents were affected. No washes

Cause of Release On August 31, 2021, Enterprise had a release of natural gas from the Douthit Federal #6 PC pipeline. The pipeline was isolated, depressurized, locked and tagged out. No liquids were observed of the ground surface. No residents were affected. No washes or waterways were affected. No emergency services responded. The release was located under a paved road to a solid waste transfer station. After acquisition of proper permits and property access, on October 19, 2021, Enterprise was granted permission to cut the pavement and begin repair and remediation activities. At which time Enterprise determined the release was reportable per NMOCD regulation by the volume of subsurface soil impacted by liquids. Remediation and repairs were completed on November 4, 2021. The final excavation dimensions measured approximately 50 feet long by 40 feet wide by 18 feet deep. Approximately 1,862 cubic yards of hydrocarbon impacted soil was excavated and transported to a New Mexico Oil Conservation Division (NMOCD) approved land farm. A third party closure report is included with this "Final." C-141.

A scaled site and sampling diagram as described in 19.15.29.11 NMAC

Page 2 of 143

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.

	prior to liner inspection)	ner integr	ity if applicable (Note: appropriate OCD District office
☐ Laboratory analyses	s of final sampling (Note: appropriate ODC Distric	t office m	ust be notified 2 days prior to final sampling)
☐ Description of reme	diation activities		
and regulations all operations and regulations all operations has should their operations has human health or the envir compliance with any other restore, reclaim, and re-veaccordance with 19.15.29	ors are required to report and/or file certain release alth or the environment. The acceptance of a C-141 ave failed to adequately investigate and remediate comment. In addition, OCD acceptance of a C-141 are federal, state, or local laws and/or regulations. The acceptance of a C-141 are federal, state, or local laws and/or regulations. The acceptance of a C-141 are federal, state, or local laws and/or regulations. The acceptance of a C-141 are federal, state, or local laws and/or regulations. The acceptance of a C-141 are federal, state, or local laws and/or regulations. The acceptance of a C-141 are federal, state, or local laws and/or regulations. The acceptance of a C-141 are federal, state, or local laws and/or regulations. The acceptance of a C-141 are federal, state, or local laws and/or regulations. The acceptance of a C-141 are federal, state, or local laws and/or regulations. The acceptance of a C-141 are federal, state, or local laws and/or regulations. The acceptance of a C-141 are federal, state, or local laws and/or regulations. The acceptance of a C-141 are federal, state, or local laws and/or regulations. The acceptance of a C-141 are federal, state, or local laws and/or regulations. The acceptance of a C-141 are federal, state, or local laws and/or regulations. The acceptance of a C-141 are federal, state, or local laws and/or regulations. The acceptance of a C-141 are federal, state, or local laws and/or regulations.	notificati report by contamina report doe he respon that existe n reclama	tion that pose a threat to groundwater, surface water, es not relieve the operator of responsibility for sible party acknowledges they must substantially ed prior to the release or their final land use in
	Telephone <u>:</u>		
отпатт <u>чтоглуждорговлостт</u>	retephone <u>.</u>	(000) 000	
OCD Only			
Received by:		Date:	
remediate contamination to party of compliance with	that poses a threat to groundwater, surface water, hu any other federal, state, or local laws and/or regula	iman healt itions.	their operations have failed to adequately investigate and h, or the environment nor does not relieve the responsible
Closure Approved by:	Nelson Velez	_ Date: _	04/22/2022
Printed Name:	Nelson Velez Nelson Velez	Title: _	Environmental Specialist – Adv



#### **CLOSURE REPORT**

Property:

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

NM EMNRD OCD Incident ID No. NAPP2129253819

February 2, 2022 Ensolum Project No. 05A1226157

Prepared for:

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

Prepared by:

Ranee Deechilly Project Manager Kyle Summers Senior Project Manager

Ensolum, LLC | Environmental, Engineering & Hydrogeologic Consultants 606 South Rio Grande, Suite A | Aztec, NM 87410 | ensolum.com



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Table 1A - Soil Analytical Summary (Soil Zone: Contains Aliquots From <4 Feet BGS)
Table 1B - Soil Analytical Summary (Contains Only Aliquots From >4 Feet BGS)

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#### 1.0 INTRODUCTION

#### 1.1 Site Description & Background

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

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

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

#### 1.2 Project Objective

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

#### 2.0 CLOSURE CRITERIA

The Site is subject to regulatory oversight by the NM EMNRD OCD. To address activities related to oil and gas releases, the NM EMNRD OCD references NM Administrative Code (NMAC) 19.15.29 *Releases*, which establishes investigation and abatement action requirements for oil and gas release sites that are subject to reporting and/or corrective action. Ensolum, LLC (Ensolum) utilized information provided by Enterprise, the general site characteristics, and information available from the NM Office of the State Engineer (OSE) and the NM EMNRD OCD imaging database to determine the appropriate closure criteria for the Site. Supporting figures and documentation associated with the following Siting bullets are provided in **Appendix B**.

• The OSE tracks the usage and assignment of water rights and water well installations and records this information in the Water Rights Reporting System (WRRS) database. Water wells and other points of diversion (PODs) are each assigned POD numbers in the database (which is searchable and includes an interactive map). One POD (SJ-00077) was identified in an adjacent Public Land Survey System (PLSS) section. The records for this POD indicate a depth to water of 550 feet below grade surface (bgs). This POD is located approximately 0.6 miles east of the Site and located at a higher elevation (6,447 feet) than the Site (6,419 feet) (Figure A, Appendix B).



- Nine cathodic protection wells (CPWs) were identified in the NM EMNRD OCD imaging database within one mile of the Site and in adjacent PLSS sections. The approximate locations of the three closest CPWs are depicted on **Figure B** (**Appendix B**). One CPW is associated with the Douthit #262 & #5 oil/gas production wells and is located approximately 0.6 miles southeast of the Site and at a higher elevation (6,456 feet) than the Site, with a reported depth to water of 160 feet bgs. The second CPW is associated with the Douthit Federal #261, #3E, and #4 oil/gas production wells and is located approximately 0.7 miles southeast of the Site and at a higher elevation (6,452 feet) than the Site, with a reported depth to water of 115 feet bgs. The third CPW is associated with the Scott "E" Fed #22-32 and #22-22 oil/gas production wells and is located approximately 0.8 miles north of the Site and at a lower elevation (6,356) than the Site, with reported depth to water of 95 feet bgs. The remaining six CPWs are located over one mile from the Site and have reported depths to water ranging from 90 feet bgs to 180 feet bgs.
- The Site is not located within 300 feet of a NM EMNRD OCD-defined continuously flowing watercourse or significant watercourse (Figure C, Appendix B).
- The Site is not located within 200 feet of a lakebed, sinkhole, or playa lake.
- The Site is not located within 300 feet of a permanent residence, school, hospital, institution, or church. The closest permanent residence is located approximately 1,400 feet south of the Site (Figure D, Appendix B).
- No springs, or private domestic fresh water wells used by less than five households for domestic
  or stock watering purposes were identified within 500 feet of the Site (Figure E, Appendix B).
- No fresh water wells or springs were identified within 1,000 feet of the Site (Figure E, Appendix B).
- The Site is not located within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance adopted pursuant to New Mexico Statues Annotated (NMSA) 1978, Section 3-27-3.
- Based on information identified in the U.S. Fish & Wildlife Service National Wetlands Inventory Wetlands Mapper, the Site is not located within 300 feet of a wetland (**Figure F**, **Appendix B**).
- Based on information identified in the NM Mining and Minerals Division's Geographic Information System (GIS) Maps and Mine Data database, the Site is not located within an area overlying a subsurface mine (**Figure G**, **Appendix B**).
- The Site is not located within an unstable area.
- Based on information provided by the Federal Emergency Management Agency (FEMA) National Flood Hazard Layer (NFHL) geospatial database the location of the Site is not located within a 100year floodplain (Figure H, Appendix B).

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



Closure Criteria for Soils Impacted by a Release (Tier II)								
Constituent <sup>1</sup>	Method	Limit						
Chloride	EPA 300.0 or SM4500 CI B	10,000 mg/kg						
TPH (GRO+DRO+MRO) <sup>2</sup>	EPA SW-846 Method 8015	2,500 mg/kg						
TPH (GRO+DRO)	EPA SW-846 Method 8015	1,000 mg/kg						
BTEX <sup>3</sup>	EPA SW-846 Method 8021 or 8260	50 mg/kg						
Benzene	EPA SW-846 Method 8021 or 8260	10 mg/kg						

<sup>&</sup>lt;sup>1</sup> – Constituent concentrations are in milligrams per kilograms (mg/kg).

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

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

#### 3.0 SOIL REMEDIATION ACTIVITIES

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

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

Approximately 1,862 cubic yards (yd³) of petroleum hydrocarbon affected soils/sandstone and 125 barrels (bbls) of hydro-excavation soil cuttings and water were transported to the Envirotech, Inc., (Envirotech) landfarm near Hilltop, NM for disposal/remediation. The executed C-138 solid waste acceptance form is provided in **Appendix C**. The excavation was backfilled with imported fill, and the area was then compacted and contoured to the surrounding grade. The road was then reconstructed.

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

#### 4.0 SOIL SAMPLING PROGRAM

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

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

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



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

#### First Sampling Event

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

#### **Second Sampling Event**

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

#### **Third Sampling Event**

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

#### **Fourth Sampling Event**

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

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

#### 5.0 SOIL LABORATORY ANALYTICAL METHODS

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

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

#### 6.0 SOIL DATA EVALUATION

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

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

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



#### 7.0 RECLAMATION AND REVEGETATION

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

#### 8.0 FINDINGS AND RECOMMENDATION

- Forty composite soil samples were collected from the Site. Based on laboratory analytical results, no benzene, BTEX, chloride, or combined TPH GRO/DRO/MRO exceedances were identified in the soils remaining at the Site.
- Approximately 1,862 yd<sup>3</sup> of petroleum hydrocarbon affected soils/sandstone and 125 bbls of hydroexcavation soil cuttings and water were transported to the Envirotech landfarm for disposal/remediation. The excavation was backfilled with imported fill, and the area was then compacted and contoured to the surrounding grade. The road was then reconstructed.

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

#### 9.0 STANDARDS OF CARE, LIMITATIONS, AND RELIANCE

#### 9.1 Standard of Care

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

#### 9.2 Limitations

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

#### 9.3 Reliance

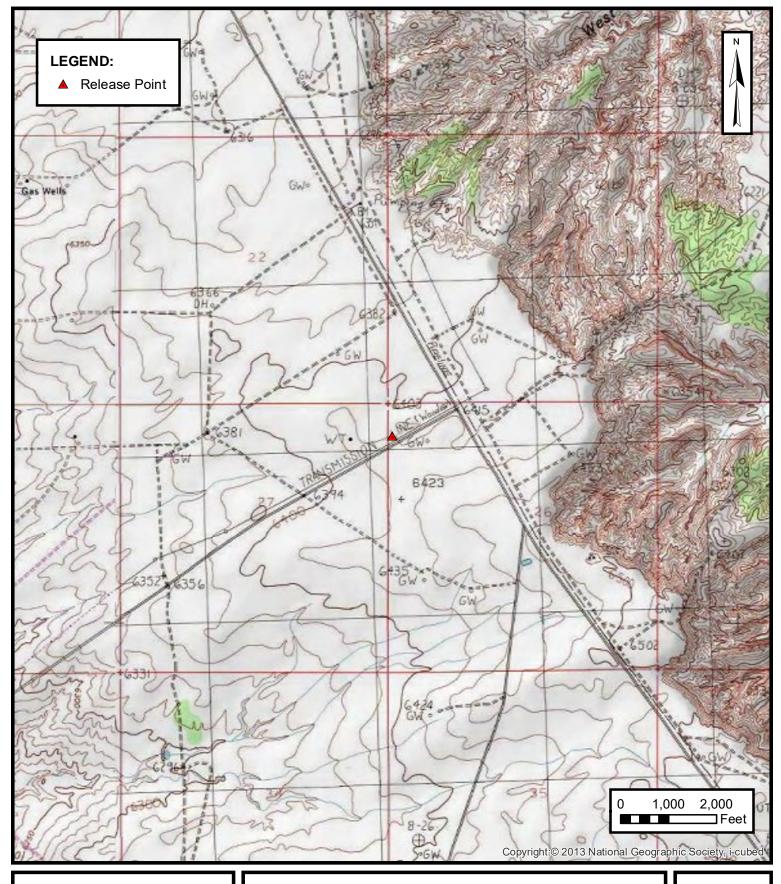
This report has been prepared for the exclusive use of Enterprise, and any authorization for use or reliance by any other party (except a governmental entity having jurisdiction over the Site) is prohibited without the express written authorization of Enterprise and Ensolum. Any unauthorized distribution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

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**APPENDIX A** 

Figures





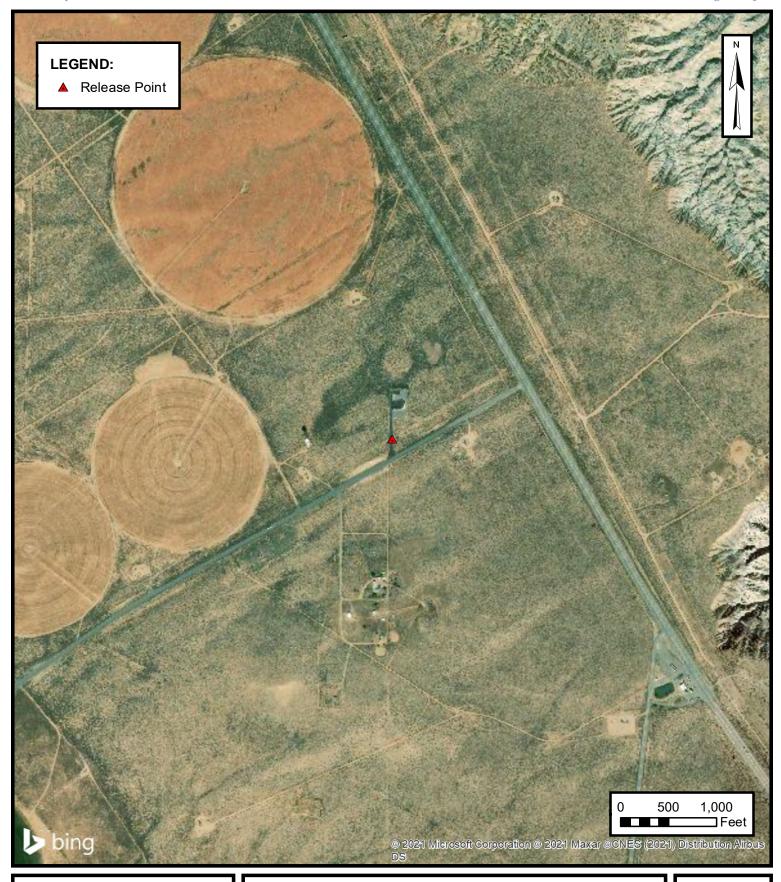
#### **TOPOGRAPHIC MAP**

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

PROJECT NUMBER: 05A1226157

**FIGURE** 

1





#### SITE VICINITY MAP

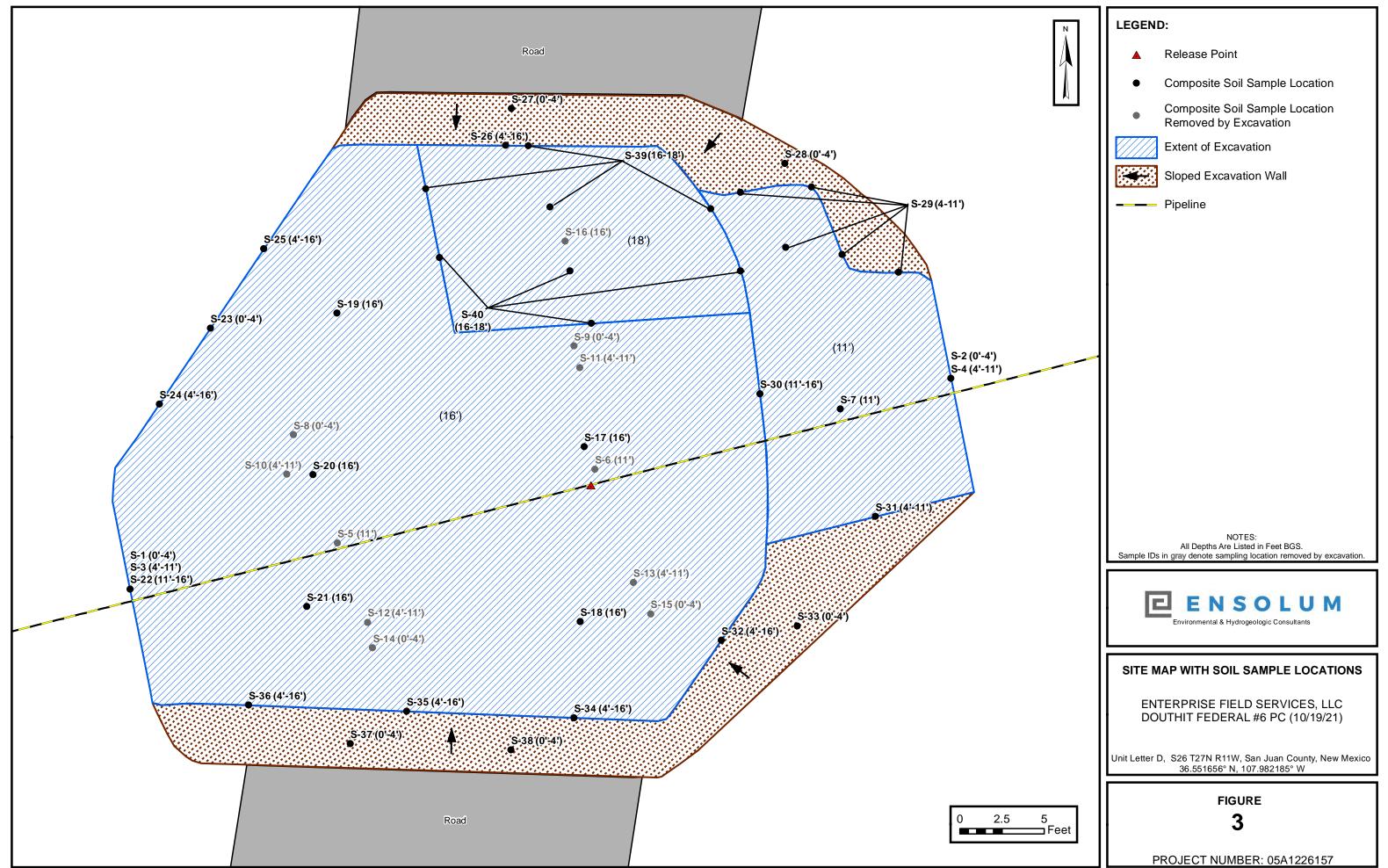
ENTERPRISE FIELD SERVICES, LLC DOUTHIT FEDERAL #6 PC (10/19/21) Unit Letter D, S26 T27N R11W, San Juan County, New Mexico 36.551656° N, 107.982185° W

PROJECT NUMBER: 05A1226157

**FIGURE** 

2

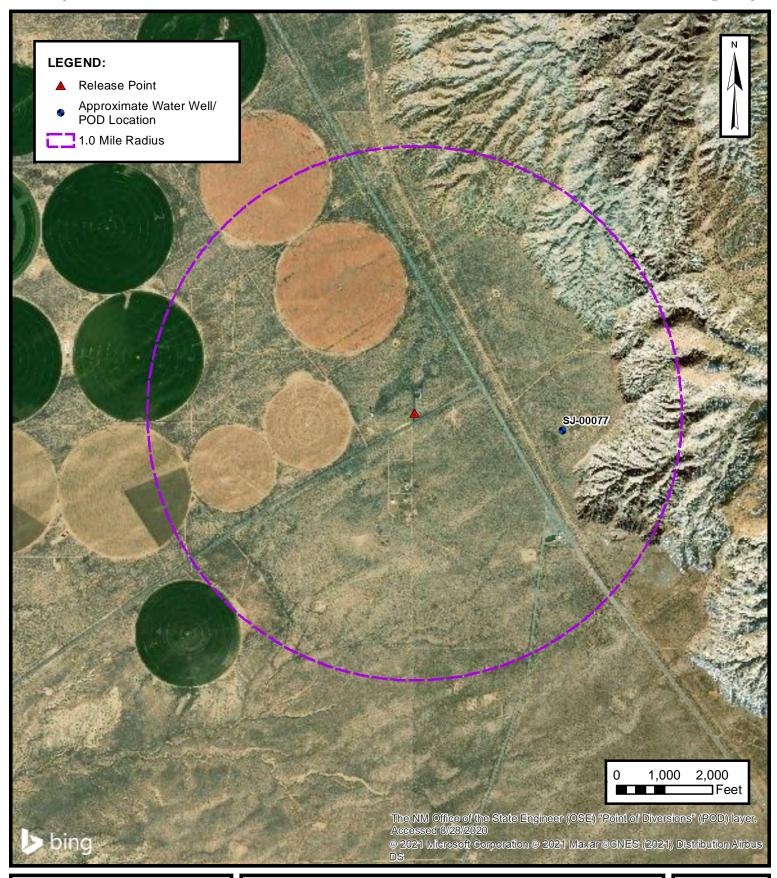
Received by OCD: 2/14/2022 8:31:00 AM





**APPENDIX B** 

Siting Figures and Documentation





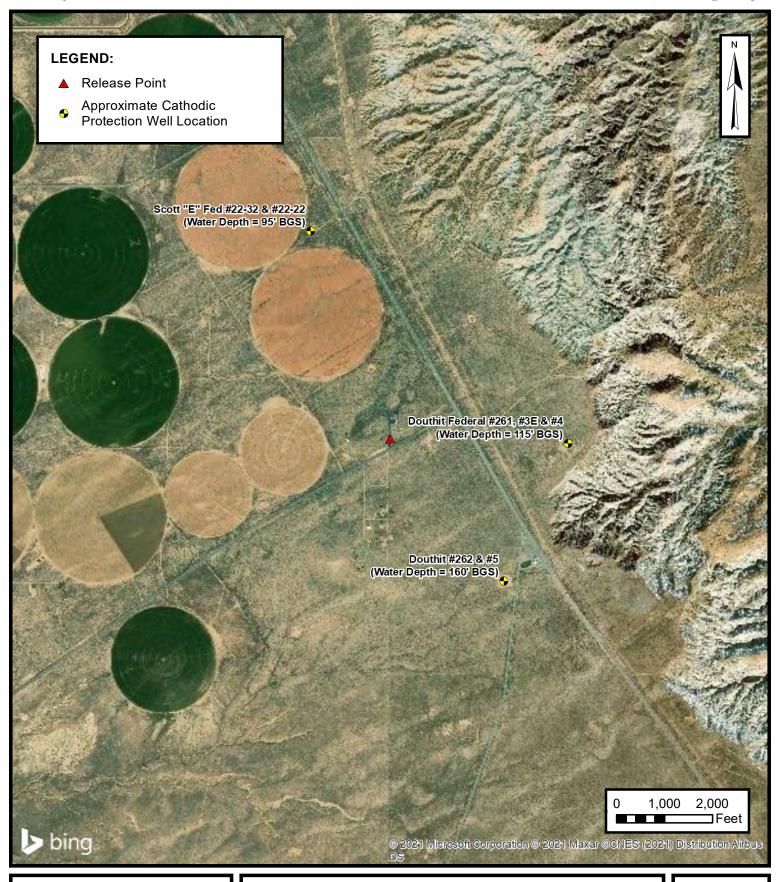
#### 1.0 MILE RADIUS WATER WELL/POD LOCATION MAP

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

PROJECT NUMBER: 05A1226157

**FIGURE** 

A





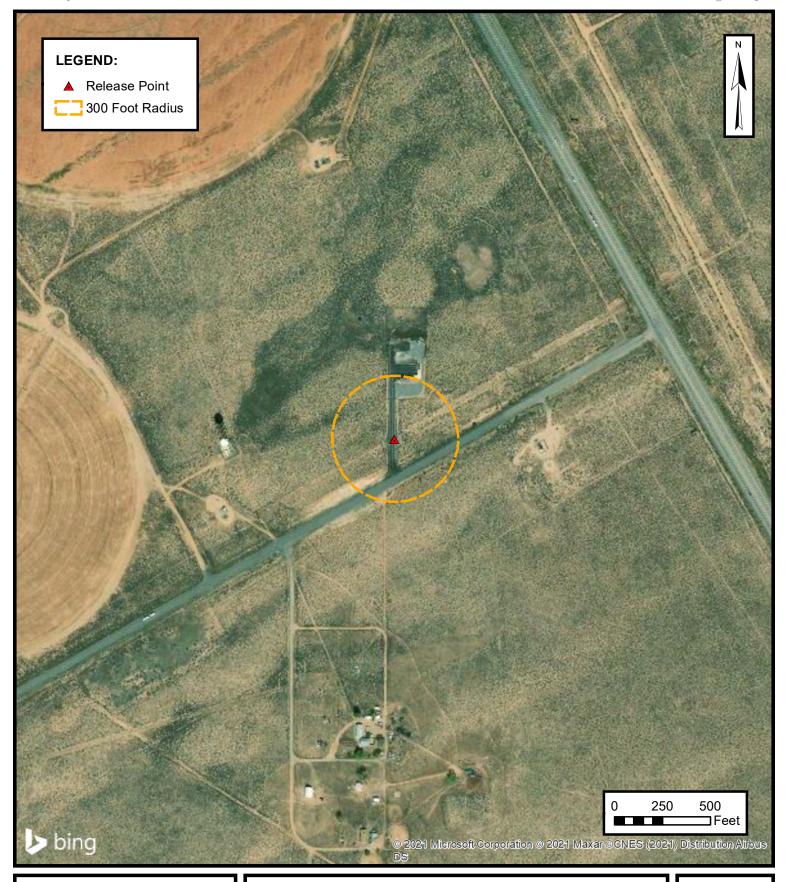
## CATHODIC PROTECTION WELL RECORDED DEPTH TO WATER

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

PROJECT NUMBER: 05A1226157

**FIGURE** 

B





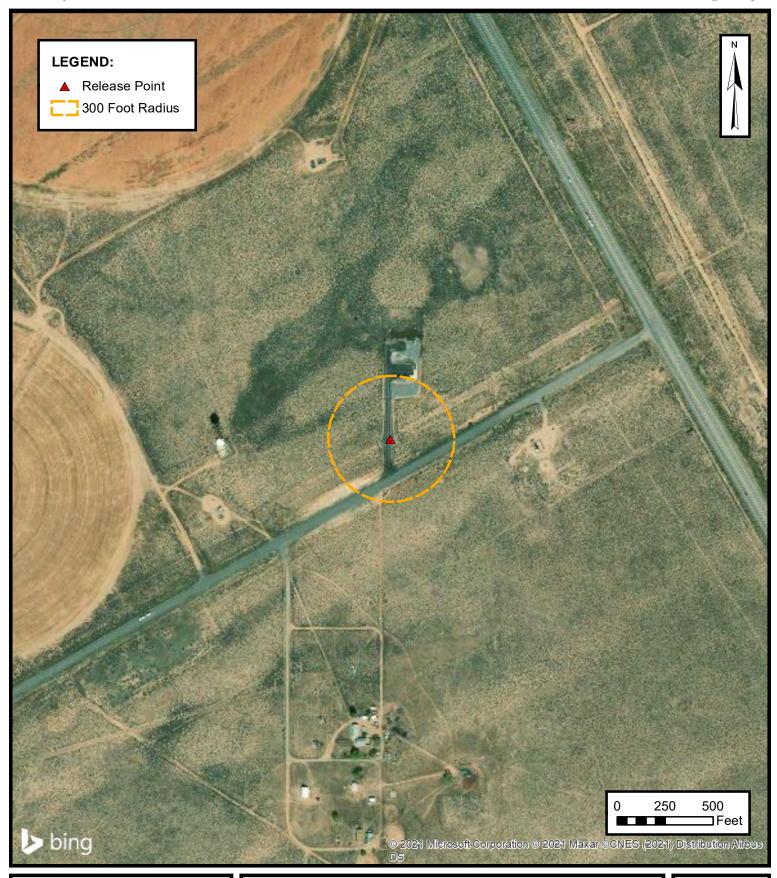
## 300 FOOT RADIUS WATERCOURSE AND DRAINAGE IDENTIFICATION

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

PROJECT NUMBER: 05A1226157

**FIGURE** 

C





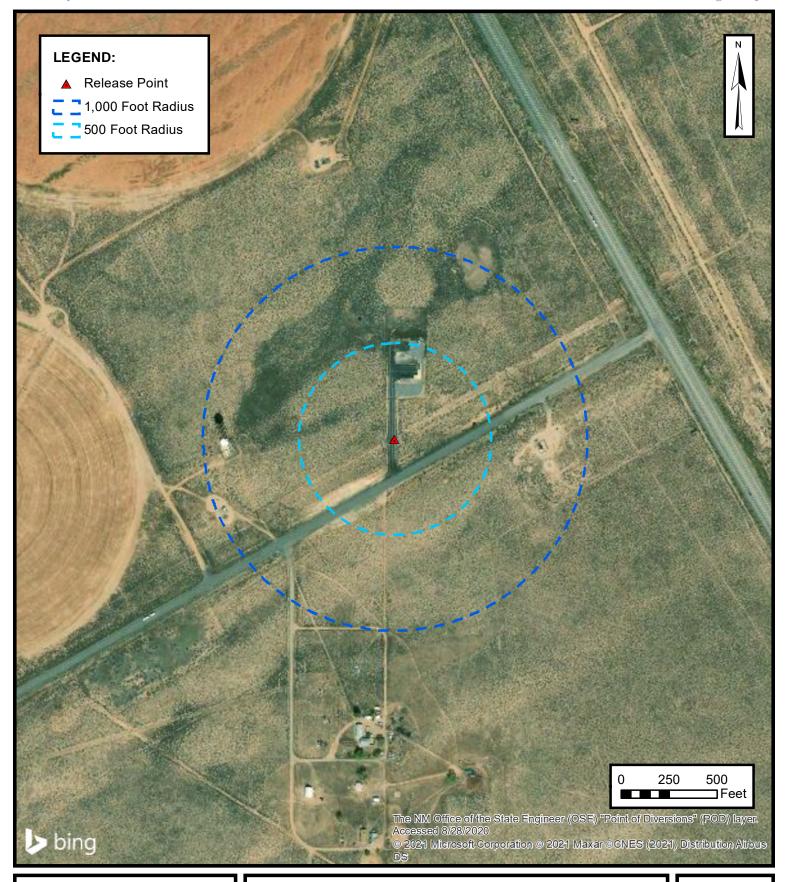
## 300 FOOT RADIUS OCCUPIED STRUCTURE IDENTIFICATION

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

PROJECT NUMBER: 05A1226157

**FIGURE** 

D





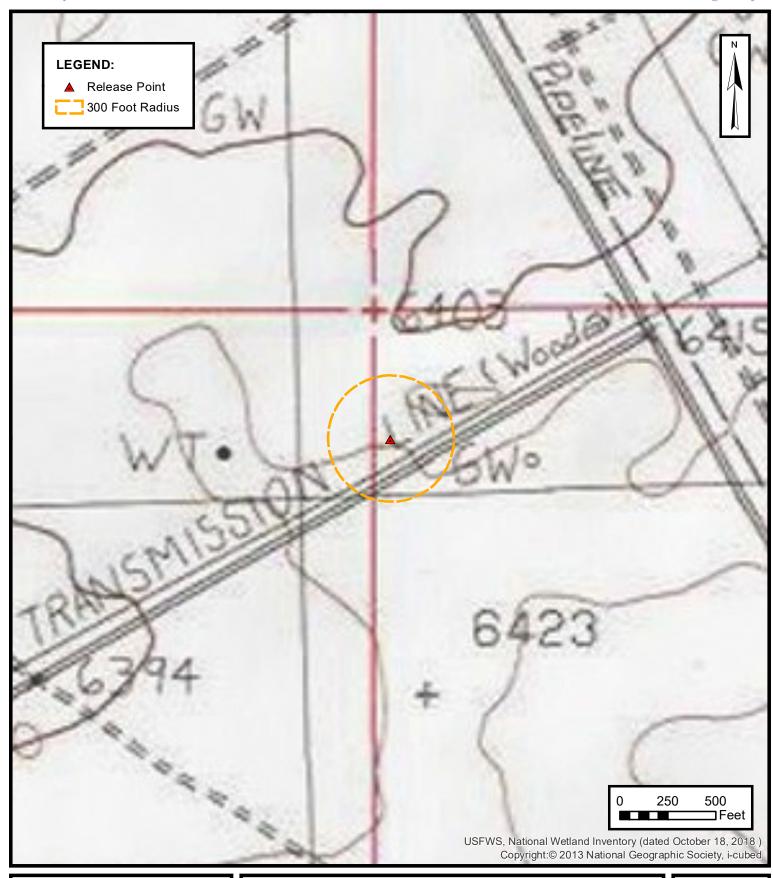
#### WATER WELL AND NATURAL SPRING LOCATION

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

PROJECT NUMBER: 05A1226157

**FIGURE** 

E





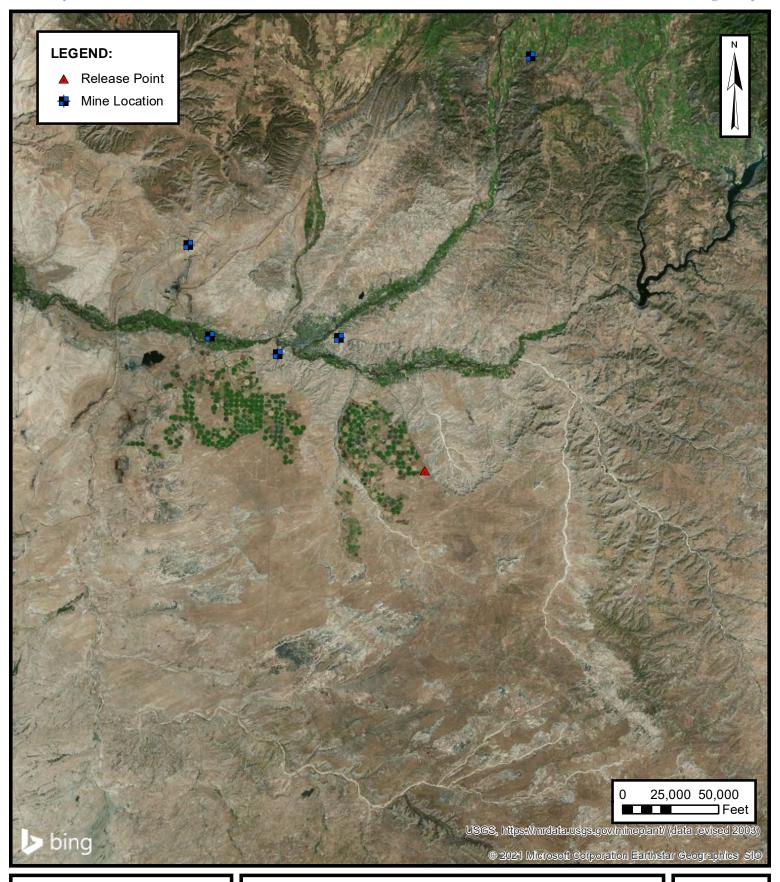
#### **WETLANDS**

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

PROJECT NUMBER: 05A1226157

**FIGURE** 

F





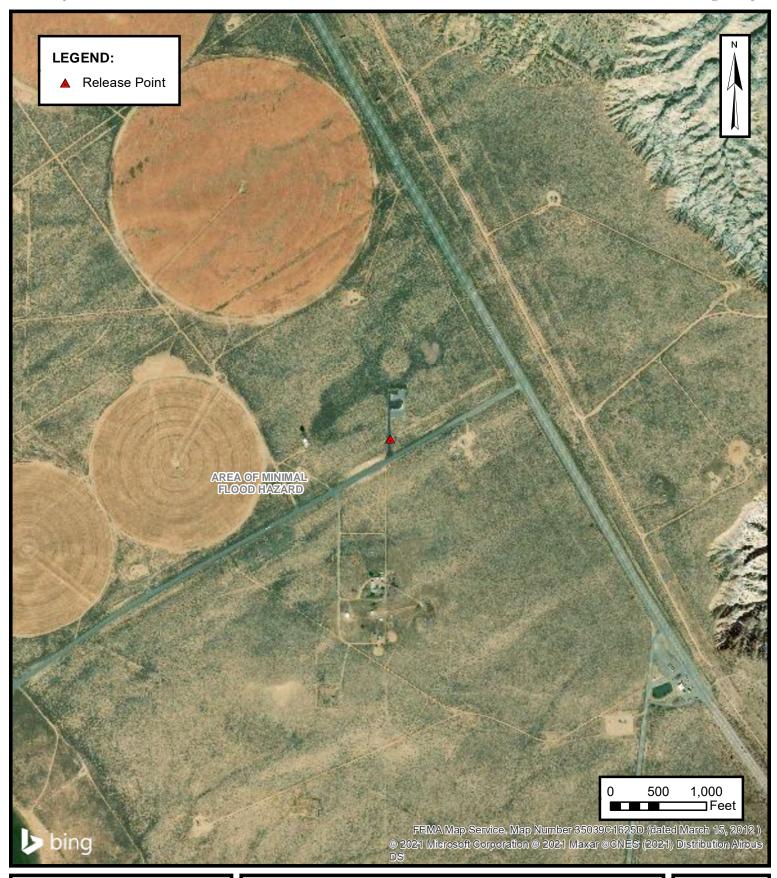
#### MINES, MILLS AND QUARRIES

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

PROJECT NUMBER: 05A1226157

**FIGURE** 

G





#### **100-YEAR FLOOD PLAIN MAP**

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

PROJECT NUMBER: 05A1226157

**FIGURE** 

Н



## 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** Sub-Depth Depth Water **POD Number** Code basin County 64 16 4 Sec Tws Rng **Well Water Column** 3 1 2 26 27N 11W 233964 SJ 00077 4049155\* 1102 550 552

> Average Depth to Water: 550 feet

> > 550 feet Minimum Depth:

> > 550 feet Maximum Depth:

**Record Count: 1** 

**PLSS Search:** 

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

25, 27, 34, 35,

36

#### \*UTM location was derived from PLSS - see Help

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

#262 30-049 ag 29 b 2831 #5 30-045-06231

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

Operator Meridian Oil Co Location: Unit_	Sec. <u>76 Twp27 Rng //</u>
Name of Well/Wells or Pipeline Serviced Douth; + =	±262 + ±5
Elevation Completion Date 1-19-95 Total Depth	Land Type 🗲
Casing Strings, Sizes, Types & Depths / CF	8" Puc casing
If Casing Strings are cemented, show amounts & types  21 Sacks	used <u>yes</u>
If Cement or Bentonite Plugs have been placed, show $\mathcal{N}$	depths & amounts used
Depths & thickness of water zones with description of Salty, Sulphur, Etc. 160- Fresh	f water: Fresh, Clear,
Depths gas encountered: None	
Ground bed depth with type & amount of coke breeze u	
Depths anodes placed: 10-430 420 370 300 290 260 270 260	250 230 ZZC 210: 200-190-1/80
Depths vent pipes placed: Surface to 447	
Vent pipe perforations: From 147 to 447	neceimen
Remarks:	M JAN 1 1 1996
	OIL COM. DIV. DISIL S

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

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

# DATA SHEET FOR DEEP GROUND-BED CATHODIC. PROTECTION\_WELLS NORTHWESTERN NEW MEXICO

30-013-0103	
Operator Metidian Location: United Sec. 26 Twp 27 Rng //	
Name of Well/Wells or Pipeline Serviced	
DOUTHIT FEDORAL *261, #3E, AND #4 1263W	
Elevation Completion Date ///5/9/ Total Depth 440 Land Type F	
Name of Well/Wells or Pipeline Serviced  **Douth! T Federn! ** 261, **3E, AND **  **Elevation Completion Date ** 1/5 / 9/ Total Depth ** 440 Land Type F  **Casing Strings, Sizes, Types & Depths ** 100 ** 0 f* 8" PNC  **If Casing Strings are cemented, show amounts & types used ** Used 23 **  **SACK TO Cement.**  If Cement or Bentonite Plugs have been placed, show depths & amounts used **  **NON-2**  Depths & thickness of water zones with description of water: Fresh, Clear, Salty, Sulphur, Etc. ** HIT Fresh Water AT 115*  Depths gas encountered: **  **DON-2**  Depths gas encountered: **  **DON-2**  Depths gas encountered: **  **DON-2**  **  **Cound bed depth with type & amount of coke breeze used: **  **Dilled To 440**  **  **  **  **  **  **  **  **  *	
If Casing Strings are cemented, show amounts & types used Used 23	
SACK TO CEMENT.	
If Cement or Bentonite Plugs have been placed, show depths & amounts used	
NON2	
Depths & thickness of water zones with description of water: Fresh, Clear,	
Salty, Sulphur, Etc. HIT Fresh WATER AT 115	
Depths gas encountered: None	
Ground bed depth with type & amount of coke breeze used: Dilled To 440	
Used 128 SACKS OF AS BUTY AND I SACK OF LOTESCO (6500")	
Depths anodes placed: 425, 415, 405, 395, 395, 375, 365, 355, 276, 266, 226, +216	
Depths vent pipes placed: Sutface To 440   DEGE WE M	
Vent pipe perforations: BOTTOM 320' FEB2 41992	
Remarks:	

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

DIST. 3

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

## CPS GROUND BED CONSTRUCTION WORKSHEET

2263W PIL NAME (6). NUMBER (6) DOUTHIT Federal \$261, 3E, + #4												
10 */	399	TOTAL	//. S		3/. 2	- (	,38	DA:	15/91	NAME J	PHNL. Y	7055
REMARKS (notes for construction log)												
Drilled TO 440'. Installed 440' of Vent Pipe, WITH THE BOTTOM												
320' Perforated. Driller Reported WATER AT 115' 100'0 + 8" PVC												
CASING WAS SET, AND COMENTED WITH 23 SACKS.												
DEPTH	LOG	ANODE	DEPTH	LOG	ANODE	DEPTH	Log	ANODE	DEPTH	LOG	ANODE	٤,
II	ANODE	•		ANODE			ANODE	••		ANODE	<b>⇔</b> ∞.*	
100			295	1.3		490			685			
105			300	1.2		495			690			
110	-7	l ——	305	13		500			695			
115	2.4		310	1.8		505			700			
120	2.6		315	1.6		510		]	ANODE	DEPTH	NO#	FULLY
125 130	2.6		320	1.6	<del></del>	515				7/00	COKE	COK. D
135	1.8		325 330	1.6	<del></del>	520			<del></del>	425	2.4	6.6
140	1.2	\	335	1.0		<u>525</u> 530			<del>2</del> 3	415	2.5	7.5
145	1.1		340	30		535			4	395	2.7	7.7 8.4
150	1.1		345	2.3		540			5	385	2.7	9.0
155	2.2		350	2.4		545			6	375	2.5	8.1
160	1.8		355	24	8	550			7	365	2.4	8.4
165	1.4		360	2.4		555			8	355	2.6	7.8
170	1.0		365	2.4	7	560			9	270	23	7.0
175	. 7		370	2.5		565			10	260	2.3	7.5
180	.8		375	2.4	6	570			11	220	2.5	7.9
185			380	2.3		575			12	210	2,5	9.2
190	1.3		385	2.6	-5	580			13			
195	2.3	<del></del>	390	2.4	<del></del>	585			14_			
200	2.3	<del></del>	395	2.6		590			15			
205	2.5	12	<u>400</u> 405	2.5	3	<u>595</u> 600			16		<del></del>	· <del></del>
215	2.6	1	410	2.7	-2	605			17 18			
220	2.5	11	415	2.5	2	610			19			
225	2.1		420	2.2		615			20			
230	1.9		425	2.3		620			21			
235	1.3		430	2.4		625			22			
240	1.3		435	2.5		630			23			
245	2.2		440			635			24			
250	2.2		445			640			25			
255	2.2	- <del></del> -	450			645			_26			
260	2.3	10	455			650			_27			
265	2.3	9	460			655			28			
270 275		<del></del>	465			660			29			
280	1.9	<del> </del>	<u>470</u> 475			665			30			<del>  </del>
285	1.8		480			670 675						<del> </del>
290			485			680						
	1.7				<u> </u>				L			
	BUTTO				anent						45-	** , ,

#### API WATER ANALYSIS REPO **FORM**

aboratory No. 25 - 911108 Company	- IA			Sample No.	I nato S	ampled	· 7
MERIDIAN				Campio 40.		- 11 - 91	
Field	egal Description		County or Par		State NM		
22636		NE -26-3		5mo J		<u> 1</u>	
Lease or Unit	Well Doutht	T FEO # 261, "3E d	Depth	Formation	Water,	B/D	TECH, Inc
Type of Water (Produced, Supply, et	C.)	Sampling F	oint		Sample	ed By Moss	333 East Maii Farmingto
DISSOLVED SOLIDS			OTHER PRO	PERTIES			New Mexic 8740
CATIONS	mg/l	me/l	рН			8-61	_ 505/327-331
Sodium, Na (calc.)			Specific Grav	rity, 60/60 F. nm-meters) <u>73</u> F.		7.9	<u></u>
Calcium, Ca Magnesium, Mg							<del>-</del>
Barium, Ba		-				***************************************	_
							<del></del>
				Total Dissolved	Solids (calc.)		
ANIONS							_
Çhloride, Cl Sulfate, So₄		1		Iron, Fe (total) Sulfide, as H₂S			<u> </u>
Carbonate, CO <sub>3</sub>				00		,	_ :
Bicarbonate, HCO <sub>3</sub>			REMARKS &	RECOMMENDATION	1S: -T00	MUCH	Λ
,		,		SUSPEN	5060 S	oring To	HNAUSZE
3.2°				ATTN: C		onolthe	
25 20 15	10	5 <b>(</b>	) 5	10 1	5 20	25	
20							
Ca						HCO3	
Mg					<del>                                     </del>	504	
							, 1 .
	ШШЩШ	шшіпшіл		$\overline{\Pi}$	minim	co.	
	,!	'		· ·			7
Date Received	Preserved		Date Analyzed		Ana Z	alyzed By H •	

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

Operator MeridiAN	Location: Unit/UE Sec. 26 Twp 27 Rng //
Name of Well/Wells or Pipeline Servic	ed
DOUTHIT FEDORAL #261, #3E, A.	ud#4 1263W
Elevation Completion Date 11/5/9	Total Depth 440 Land Type F
Casing Strings, Sizes, Types & Depths	100 of 8" PVC
If Casing Strings are cemented, show	amounts & types used Used 23
SACK TO CEMENT.	
If Cement or Bentonite Plugs have bee	n placed, show depths & amounts used
NONE.	
Depths & thickness of water zones wit	h description of water: Fresh, Clear,
Salty, Sulphur, Etc. HIT Fresh	WATER AT 115
Depths gas encountered: None	
Ground bed depth with type & amount o	f coke breeze used: Dilled To 440
Used 128 SACKS OF ASbury A	ad 1 SACK of Loresco (6500")
Depths anodes placed: 425, 415, 405, 395,	385, 375, 365, 355, 276, 266, 226, +216
Depths vent pipes placed: Sulface	TO 440 DEREURE
Vent pipe perforations: Bollom 3	20 MM (U)
Remarks:	FEB2 41992
	OIL CON. DIV.
	•

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

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

#### CPS GROUND BED CONSTRUCTION WORKSHEET

2263W PIL NAME ( ) NUMBER ( ) DOUTHIT FEDERAL 261, 3E, + #4												
		TOTAL					11055					
REMARK		tee for	<del></del>	truct 1								
Dri	Drilled TO 440'. Installed 440' of Vent Pipe, WITH THE BOTTOM											
320' Perforated. Driller Reported WATER AT 115' 100'0 & 8" PVC												
CASING WAS SET, AND COMENTED WITH 23 SACKS.										1		
DEPTH	LOG	ANODE	DEPTH	LOG	ANODE	DEPTH	LOG	ANODE	DEPTH	ANODE LOG	ANODE	
100			295	1.3		490			685			
105			300	1.2		495			690			
110			305	1.3		500			695			
115	2.4		310	1.8	[]	505			700			
120	2.6	.[	315	1.6	ll	510	l		ANODE	DEPTH	NO	FULLY
125	2.6	.	320	1-6	l	515	<b> </b>	<b> </b>		<del>-77 = =</del> -	COKE	COK. D
130	2.5	·	325	1.6	]	520			1	425	2.4	6.6
135	1.2	·]	330	1.0		525	<b> </b>		2	415	2.5	7.5
140		·	335	1.0	l ———	530	l		3	405	2.7	7.7
145	<u> </u>	·	340 345	2.3	l ———	535	<b> </b>		4	395	2.8	8.4
150 155	2.2		350	2.4		<u>540</u> 545	l	ļ ———	<u>5</u> 6	385 375	2.7	9.0
160	1.8		355	26	8	550		l	7	365	2.5	8.4
165	1. LF		360	2.4	1-2-1	555		l ——	8	355	2.6	7.8
170	1.0		365	2.4	7	560	l		9	270	2.3	7.0
175	7		370	2.5		565	<del></del>		10	260	2.3	7.5
180	.8		375	2.4	6	570			11	220	2.5	7.9
185	. 7		380	2.3		575			12	210	2,5	9.2
190	1.3		385	2.6	5	580			13			
195	2.3		390	2.4		585			14			
200	2.2		395	2.6	14	590			15			
205	2.3		400	2.5	l	<u>595</u>			16			
210	2.5	12	405	2.6	3	600			17			
215	2.6	<del></del>	410	2.7		605			18			
220	2.5		415	2.5	2	610			19			
225	2.1		420	2.2	<del>, </del>	615			20			
230	1.3		425	2.3	<del>- /</del>	620			21			
235 240	1.3	[ <del></del>	<u>430</u> 435	2.4	<b> </b>	625			22			
245	1.2		440	-5.7	<del> </del>	<u>630</u> 635			<u>23</u> 24	<del></del>		
250_	2.2		445			640			25			
255_	3.2		450		[ <del></del>	645			26			
260	2.3	10	455			650			27			
265_	8.4		460			655			28			
270	2.3	9	465			660			29			
275	20		470			665			30			
280	1.9		475			670						
285	1.8		480			675						
290	1.7		485			680						
DISTRI	BUTIO	N - ori	nine)	- 5-5		CD9 6	7 1 57		<u> </u>			

copy - Division Correcton Supervisor

copy - Region Correction Specialist

Calcium, Ca Magnesium, Mg Barium, Ba

y OCP 2/14/2022 8:31:00 AT	AP	I WATER ANAL	YSIS REPO		ORM	:	•		
Company MERIDIAN	ر			Sam	ple No.	1	Sampled		
Field 2263W		Legal Description NE - 26 -	11-52		County or Pari		State COM		
Lease or Unit	······································			F	ormation	Wate	Water, B/D		
Type of Water (Produced, Supply	Sampling Point					oled By L. Moss			
DISSOLVED SOLIDS			OTHER PE	ROPERT	IES				
CATIONS -	mg/l	me/l	рН				8-61		
Sodium, Na (calc.)			Specific Gi Resistivity	•	0/60 F. eters) <u>73</u> F.		7.9		

到等落块	THE PERSON OF THE	<b>建筑型</b>	200
BERLIN STATE	Ha W	250	
234		ESS V	
le de		1200	
23	1 S	100	43
	MA CAL		183
		300	
686	-		24

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

		Total Dissolved	d Solids (calc.)	
NIONS		,		_
chloride, CI		Iron, Fe (total) Sulfide, as H₂S	•	-
licarbonate, HCO <sub>3</sub>		REMARKS & RECOMMENDATION	VS: TOO MUCH	^
		Succes	3060 GOLID TO	HNAWZE
		ATIN: C	. W. DONOTHIE	
<sub>N</sub> 25 20 15	10 5 0	5 10 1	5 20 25 † † † † † † † † † † † † † † † † † † †	
N. 9 20 20 20 20 20 20 20 20 20 20 20 20 20			10 Hco3	
Ma				www.s.comercomercomercomercomercomercomercomer
			50,	
		·	4	
Date Received	Preserved	Date Analyzed	Analyzed By L. H.	•

11 - 8 - 91

# 32-30-045-28257 22-30-045-30898

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

Operator Bonneville Fuels Corp. Location: Unit_Sec. 77 Twp 27 Rng //
Name of Well/Wells and Pipeline Serviced Scott E Fed, #22-32+ #22-22
Elevation 7 Completion Date 5-14-9/ Total Depth 300 Land Type* F
Casing, Sizes, Types & Depths PVC Casing 8"I.P., 8 18"0, D.
Schedule 40, B.E. to 25 Peep.
If Casing is cemented, show amounts & types used <u>NA-None</u>
If Cement or Bentonite Plugs have been placed, show deputs & amounts used
NA-None OIL CON. DIV
Depths & thickness of water zones with description of water ALST Possible:
Fresh, Clear, Salty, Sulphur, Etc. First + only Water (Clear) Streak
at 95 Foot Depth.
Depths gas encountered: <u>NA-None</u>
Type & amount of coke breeze used: CARBO 40, 99,9% Carbon, 1,500 LBS,
Depths anodes placed: 200, 210, 220, 230, 240 and 250 Peop.
Depths vent pipes placed: 0 to 300 Delp.
Vent pipe perforations: Laser Cut Slots from 100 to 300 Deeps
Vent pipe perforations: Laser Cut Slots from 100' to 300' Peeps Remarks: Solid I! diameter PVC (vent) pipe from 0' to 100'
Deep.
If any of the above data is unavailable, please indicate so. Copies of all

logs, including Drillers Log, Water Analyses & Well Bore Schematics should be submitted when available. Unplugged abandoned wells are to be included.

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

## DATA SHEET NO. One ()

DMPANY	BONNEVILLE FUE	45 COR	P IOB	No 151-	0011B F	ATE	5-/	14.91
=11. SGO	TT'E" FED. #82	32		11022	:	~ · C	<u></u>	
	sec 22 rws. 27 ra					1/4	97	
= 1	TOTALY AND	·	- CO	-0	31011		7	
-= v	D: DEPTH 300 FT. DIA.	FT: C	CARBO 40		PT	CASI	NG es	<u>,                                    </u>
ROUNDBE	D: 04PTH <u>300</u> FT. DIA.	<u> </u>	CAB	Les.	ANCDES	400	STX	کہکے
			EXPLORING A	ANODE	NO	WITH	ANODE	DEPTH.
ЕРТН. FT	DRILLER'S LOG		TO STRUCTU	JRE	COKE	COKE	NO.	TOP OF
1	IRST WATER 95'		E   1	<u> </u>	I	I !	1	
501	SANDY SMALE		4.1			1	<u>1</u>	
160	SHACE		14,1		<del> </del>	1	· · · · · · · · · · · · · · · · · · ·	
65	37477.6		1 4,7	i i	<del>-i</del> -	<u> </u>	<u>-</u> <u>'</u>	
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175			1 3/3	ı	İ			
160	. \			1		1 1		
185			1 14.9			!		1
90			1 5.0			<u> </u>	<del></del>	ļ
200			1 14.5			1		1200
205			1 4.5				A	1 1
2/0			1 14.3		i	İ		<del>i /-</del>
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220			1 3,8		İ,	1	1 1)	1
225	ANONE		1 3.8	<u>'                                    </u>		!	<del>!_/_</del> _	<u> </u>
230		vg (	1 3.5		<u> </u>	\ <u>\</u>	<del>!                                    </del>	<del>                                     </del>
235		<del>{</del>	1 3.7	<del>:\ (-</del>	<del></del>	<del> </del>	<del>                                      </del>	<del></del>
245	SANDY SHAKE	<del></del>	1 14.0			<del> </del>	17,	+
50		<del></del>	309		<del>-                                    </del>	<del> </del>	120	1250
255			4.3		<u> </u>	1	1	1
260			1 41			Ī	1	1
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GROUNDBED RESISTANCE: (1) VOLTE 12143 - AMPS 16,28 - 04 16 OHMB

30-045-28516

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

Operator Bonneville Fuels Corp. Location: Unit NE Sec. 23 Twp 27 Rng 1/
Name of Well/Wells or Pipeline Serviced Scott "E" Federal #23-42
· · · · · · · · · · · · · · · · · · ·
Elevation 6084 Completion Date 5/21/91 Total Depth 300 Land Type*
Casing, Sizes, Types & Depths NA-None
If Casing is cemented, show amounts & types used NA-None
If Cement or Bentonite Plugs have been placed, show hipths & amountainsed JUN 71991
OIL CON. DIV. Depths & thickness of water zones with description of watensyman possible:
Fresh, Clear, Salty, Sulphur, Etc. First tonly water (clear) Streak at 90' Depth
Depths gas encountered: NA-None
Type & amount of coke breeze used: Loresuo SW-99,9% Corbon = 1800LBS
Depths anodes placed: 185/195/205, 215, 275/235
Depths vent pipes placed: 0-300 Deep, 0-100' Peep = Solid I'dia PVC
Vent pipe perforations: Laser Lut Slots from 100 to 300' Deep
Remarks:

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

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

1620	FNL 330 FEL) DATA SHEET	NO. <u>C</u>	)ne (	<u> </u>				
·	NY BONNEVILLE FUELS (	7000		7.5	: [ (\alpha))			lai
COMPA	SCOTT "E" FENERAL # 23-42	ORP.	· JOB	No/52/		ATE: _	0/21	/
						4/	M	
	ONI SEC. 23 TWP. 27/ ROE. 1/W							
ELEV.	0084 M: ROTARY 300 M: C	ABLE	TCOL.		PT	: CAS	ING	FT.
GROUN	DBED: DEPTH 300 PT. DIA. 6" N.	and LE	300	LBS.	ANCDES	<u>UD.</u>	4 571	ENG
DEPTH.	;	EXPLO	RING A	NODE	NO	WITH	ANODE	DEPTH.
FT.	DRILLER'S LOG		TRUCTU		COKE		NO.	TOP OF
1000	FIRST WATER 90'	E	-10	R	I	I		
153	0-20 SAND 20-100 SAND & SHALE		5.8			<u> </u>	!	
360	100-180 SANDE SHALE	ı	5,91		i	ĺ	1	
165	180-240 SHALE,		52		İ	ĺ	l	1
	240-300 SAUD ! LITTLE SHALE	1	5.8		DE (		WEI	
175		! !	4.9		91	y the E		
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195		<del>'                                    </del>	25	<u> </u>	OIL C	ON.	DIV	<del>                                     </del>
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GROUNDEED RESISTANCE: (1) VOLTE 12146 - AMPS 23,3 - .53 OHME

30-045-28231

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

Operator Bonneville Fuels Corp. Location: Unit Sec. 24 Twp 27 Rng /
Name of Well/Wells or Pipeline Serviced Fullerton Fed, 24-32
Elevation Completion Date 5-20-9/ Total Depth 300 Land Type* F
Casing, Sizes, Types & Depths NA-None
If Casing is cemented, show amounts & types used NA-None
If Cement or Bentonite Plugs have been placed, show deaths & amounts wised JUN 71991
NA-None OIL CON. DIV.
Depths & thickness of water zones with description of wate Plane possible:
Fresh, Clear, Salty, Sulphur, Etc. First tonly clear nater
streak at 180' Depth.
Depths gas encountered: NA-None
Type & amount of coke breeze used: Loresco SW 99,9% Cowbon = 1,100 LBS,
Depths anodes placed: 235/245, 255, 265, 275 + 285 Deepths
Depths vent pipes placed: O to 300 Deep.
Vent pipe perforations: Laser Cut Slots from 200' to 300' Deeps
Remarks: Solid I'dia, PVC vent pipe from O'to 200' Deep-

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

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

DATA SHEET NO. One(1)

CÓMPAI	IN BONNOVILLE FUES	QOR!	ō	soc.	No.7510	0118	ATE:	5-2	0-91
WELL: _	FULLORTON 190, 24-32	PIPE	= 1 1	NF.					
	ON: SEC. 24 TWP. 27 POR. 11				JAN	STATI	· N	n	
ELEV.	FT: ROTARY 300 FT: 0	ABLE	: Т	COL_	-0-	PT:	CASI	NG	0-
	DBED: DEPTH 300' FT. DIA. 6" N.								
		EXPL	OR	ING AN	ODE	NO	WITH	ANODE	DEPTH.
DEPTH.	DRILLER'S LOG	TO	ŞŢ	RUCTUE	E .	COKE	COKE	NO.	TOP OF
100/1	FIRSTO WATER 180'	E	<u> </u>	1 1	_ ^	<u> </u>	<u> </u>		
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<del></del>		<u> </u>	+	\$9				1	1
160	30-150 SHACE	<u> </u>	<del></del>	34.7				1	
165	150-190 SANDY SHITES	<u> </u>	+	5.6	<u>-</u>			[ 	1
	190-280 SHACE	1			· · · · · · · · · · · · · · · · · · ·			1	1
180	280-300 SIANDY SHAPEB	<u> </u>		5.01	<u>.</u>		<u> </u>	i	[ 
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GROUNDBED RESISTANCE: (1) VOLTS 12.39 - AMPS 19.9 - 160 OHMS

(2) YIBROGROUND \_\_\_\_\_ DHMS

30-045-28301

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

Operator Bonneville Finels Corp. Location: UnitMSec.25 Twp27 Rng // Name of Well/Wells or Pipeline Serviced Scott E"Federal #25-22  Elevation 6249 Completion Date 5/21/1 Total Depth 300 Land Type* F  Casing, Sizes, Types & Depths 8" ID - 878" Lia. O. P. PW Casing  From O to 60 Ft. Peep  If Casing is cemented, show amounts & types used NA-None  If Cement or Bentonite Plugs have been placed, show depths 951 amounts used
Casing, Sizes, Types & Depths 8"ID-878 Lia, O, P. PVC Casing From O to 60 Ft, Deep.  If Casing is cemented, show amounts & types used NA-None  DEGEIVED
Casing, Sizes, Types & Depths 8"ID-878 Lia, O, P. PVC Casing From O to 60 Ft, Deep.  If Casing is cemented, show amounts & types used NA-None  DEGEIVED
From O to 60 FT, Deep.  If Casing is cemented, show amounts & types used NA-None  DECEIVED
If Casing is cemented, show amounts & types used NA-None
DECEIVE IN
DECEIVE IN
If Cement or Bentonite Plugs have been placed, show depthson amounts used
NA-None OIL CON. DIV.
Depths & thickness of water zones with description of water when possible:
Fresh, Clear, Salty, Sulphur, Etc. First + Only water (clear)
streak at 110' Dente.
Depths gas encountered: NA-None
Type & amount of coke breeze used: Loresco SW-99,9% Carbon=1500LBS
Depths anodes placed: 205, 215, 225, 235, 245 + 255 Delp.
Depths vent pipes placed: O'to 300 page, O'to 100 Per = Solid l'dia, PM
Vent pipe perforations: Laser Cut Slots From 100' to 300' Deep
Remarks:

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

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

ارتون د	D FOR STATE			<del></del>			,	<i>l</i>
COMPA	NY BOUNEVILLE FUELS COM	ep_	JOB	No75	1-001180	ATE: _	5/ZZ/	9/
WELL:	SCOTT "E" FEDERAL # 25-22	_ PIP	ELINE:					
LOCATI	ION: SEC. 25 TWP. 27N MGR. 11W	co. 🚅	SAN J	un	STATE	· NM	1	
ELEV.	6249 MT: ROTARY 300 MT: C	ABLE	TCOL .		<b>F</b> T:	CASI	NG	00
GROUN	108ED: DEPTH 300 FT. DIA. 6 N.	CAB /	1500	LBŚ.	ANCDES	LIDA	STRI	WG
			ORING A		ИО	WITH		
DEPTH,	DRILLER'S LOG		STRUCTU		COKE			TOP OF
	FIRST WATER 110'	E		<b>P</b> R	l I	1		ANODES
150	0-60 SAND & SHALE		15.4		1			
15-5	60-140 SAND & SHALE		1518		<u> </u>		<u> </u>	- <del></del>
	MO-270 SHALE	<u> </u>	15.8	 	_		·	
120	210-300 SAND & SHALE	 	15.8	<u> </u>	1 1		1	
175		<u> </u>	15.7	· [	<del></del>	,		
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185			15.4	1	1		1	
190		<u> </u>	15.5	1			!	
195		!	5.6	<u> </u>			1	
200		<u> </u>	157	1		<u> </u>	<u> </u>	205
210		!	15.2		1	<u></u>	!	203
015			5.8	<u> </u>	- !	<u> </u>	1	<del>                                     </del>
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225	ANONES	1	157	İ	1	•		
230	<u> </u>	1	15.7	1		<u> </u>	i .	
235		!	15.7	!	<u> </u>	<u> </u>	<u> </u>	
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255		1	158	<del>!</del> -	5.8	<del> </del>	!	255
260	,	<del>`</del>	12.2	<del></del>	13.0	1	1	1233
265	**************************************	i	5/	i	<del> </del>	i	i	i
270		1	14.7	1		<u> </u>	1	<u> </u>
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280		<del>!</del>	13.8	<del>-                                    </del>	R	1 60 65	# UE	<b>\  \  \  \  \  \  \  \  \  \  \  \  \  \</b>
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295		<del>i</del>	145	<del></del>		1	1 -	<del>'</del>
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GROUNDBED RESISTANCE: (1) VOLTE 12125 - AMPS 23,5 - 152 OHMS

CI VERGAROUND OHM

. 30-045-28396

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

Operator Bonneville Fuels Corp. Location: Unit Sec. 25 Twp 27 Rng 11
Name of Well/Wells or Pipeline Serviced Scott E Fed, #25-14
,
Elevation Completion Date 5-15-91 Total Depth 300 Land Type* F
Casing, Sizes, Types & Depths 80' +8" of 8" I.P., 858" O.D.,
Silvedule 40, B.E. FIVE Casing.
If Casing is cemented, show amounts & types used NA None
NESERVED.
If Cement or Bentonite Plugs have been placed, show depths amounts used
NA-None OIL CON. DIV.
Depths & thickness of water zones with description of water when possible:
Fresh, Clear, Salty, Sulphur, Etc. First + Only Water (Clear) Streak
at 95 Foot Depth.
Depths gas encountered: <u>NA-None</u>
Type & amount of coke breeze used: CALBO40, 99,9% Corbon, 1,250 LBS,
Depths anodes placed: 725, 235, 245, 255, 265 + 275 Deep.
Depths vent pipes placed: O'to 300' Deep-
Vent pipe perforations:-Laser Cut Slots from 120' to 300' Deap
Remarks: Solid I"dia, PVC (vent) pipe trom 0' to 120' Deepe

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.

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

### DATA SHEET NO. One(1)

" DMPAN'	Y BONNEVILLE FUELS CORD		JOB I	No.751	-001/8 E	ATE: _	5-13	5-91
ELL:	SCOTTI E" FED #25-14	PIPELIN	۷E:					
CATIO	N: SEC 25 TWP. 27 ROR. 11	co. 5A2	544	7N.	STAT	· N	M	
	FT: ROTARY 300' FT:							0684.
ROUND	BED: DEPTH 300' PT. DIA. 6" N.	cus 12	<u>50</u>	LBS.	ANCDES	HOR	5781	JG-
EPTH.		EXPLORI	ING A	NODE	NO		ANODE	DEPTH.
FT.	DRILLER'S LOG	TO STI	RUCTU	RE	COKE	COKE	NO.	TOP OF
	FIRST WATER 80'-110'	E	1	R	<u> </u>	I	!	
50 1 55 1	0-40 5AND 40-100 5ANDY 5HACE	<del></del>	3.7		<u> </u>	<u>!</u>	1	<u> </u>
601	197140 SANDY		3,9		<u> </u>	<u> </u>	<u>}</u>	<u> </u>
65	140-215 \$9NO9 SHIPLE	<del></del>	1		1	<del>:</del>	<u> </u>	<u> </u>
120	215-300 34ACE	<del></del>	3.9				<u> </u>	<del>!</del>
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851			3,7		1	41101 -	1	TILL
1901		1 1	3,6		1,		11991	
1951		1 1	3.7		OII	100	4. DIV	
190			38	l l		CON	A. DIA	
2051		1 1	3,5		1	DIST	.13	
10		1	3,6	<u> </u>	1	1	1	1 -
2/5			3.5	<u> </u>		<u> </u>	!	<u>!</u>
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225			5,9	<u> </u>	_!	<del> </del>	<del></del>	1225
230			473	<del>!</del>		<del>-                                    </del>	<del></del>	<del>                                     </del>
285			40	<del>!</del>	1	<del></del>	<del></del>	
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				-		<u> </u>	-	

GROUNDSED RESISTANCE: (1) VOLTE 12,31 - AMPS 21,0 - 159 OHMS

GENERAL CATHODIC PROTECTION SERVICES CO.

Released to Imaging: 4/22/2022 3:19:56 PM

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Received by OCD: 2/14/2022 8:31:00 AM 30 - 045 - 24568 5. 30 - 045 - 24568

Page 43-of 143

637

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

Operator Meridian Oil Location: Unit C Sec. 35 Twp 27 Rng !!
Name of Well/Wells or Pipeline Serviced DOUTHIT FEDERAL # 351
4 #5 · 2261W
Elevation Completion Date //-7-9/ Total Depth 358 Land Type F
Casing Strings, Sizes, Types & Depths 8" PNC Surface CASING
Casing Strings, Sizes, Types & Depths 8" PIC Surface CASING 90" DEEP
If Casing Strings are cemented, show amounts & types used YES with 20 bacs NEAT CEMENT
If Cement or Bentonite Plugs have been placed, show depths & amounts used
Depths & thickness of water zones with description of water: Fresh, Clear,
Salty, Sulphur, Etc. 100' Fresh
Depths gas encountered: N/A
Ground bed depth with type & amount of coke breeze used: 358 neep
Depths anodes placed: 335 325, 315, 305, 295, 285, 275, 265, 255, 245, 236
Depths vent pipes placed: 33.5 '
Vent pipe perforations: bottom 240' DEGEIVEN
Remarks: FEB2 4 1992
OIL CON. DIV.
DIST. 3

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

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

#### CPS GROUND, BED, CONSTRUCTION: WORKSHEET

	CPS GROUND, BED, CONSTRUCTION: WORKSHEET.													
CP8#	2261 P/L NAME (1), NUMBER (1) Darth, + FED # 351, # 5													
	109	TOTAL	VOLTS	,4 1	19 i	<b>-</b> '	OP,	PAT	7-91	NAME	MRU	)		
REMARK	(8 (ne	tes for	r const	ructi	on log:	° ± 35	-C 3.	5. 21-	11 t:	563	5-27-	1/		
FF	337	M5	, 4	0-8	EAS	ا بن تر ا	20 51	4 C145	ot c	êmes-	<del>.</del>			
		$\infty$ ' ,	Dril	lech	360	L066	ED 35	 5કે						
					Asb									
DEPTH	LOG	ANODE		LOG		рертн	LOG	ANODE	DEPTH	LOG	ANODE			
	ANODE			ANODE	*		ANODE	*		ANODE	<b>40</b> 6	·		
100	2.4		295	2.8-		490			685					
105	2.2		300	2.8-		495			690					
110	2-1	1	305	7.7-		500			695					
115_	1.4		310	7.7- 2.7		505			700					
120	.9		315	2.5		510			ANODE	DEPTH	70	FULLY		
125_	1,4	·	320	2.60		515			•		COKE	COK'P		
130_	7.1	-	325	7.60		520			1	335	2.4	7.3		
135_	15	-	330	2.6 2.5 2.7 2.7 2.5		525			2	475	3 7	7.3 7.8		
140	1.6	·	335	2 1-	<del></del>	530			3	3 2	3.5	4:12		
145_	7.3	-	340	7.7		535			4	315 305	7.7	7.6		
150	12	·	345	75		540			5	295	7 8	7.3		
155_	1,7		350	25		545			6	285	3.0.	70		
160			355	TD	<u>35</u> රි	550			7	275	<del>34.</del>	7/2		
65	18	-	360	1	230	555			8	265	38	73 75 76 77		
170	1.2	·	365			560		<del></del>	9	2.55	20	7.4		
175	1.5		370			<u> 565</u>			10	235	77 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	7/1		
180	1.0		375			570		<u> </u>	11	245 235 225	3.0	7.6		
185_	1.7	.	380			575			$\frac{11}{12}$	533	<del>کنک</del>	6.9		
190	1.3	-	385			580		l ———	13	252	<u> </u>	<u> </u>		
	1.0	·	390			585				<b> </b>		l ———		
195	$\frac{1\cdot 0}{1\cdot 2}$	-	395					l ———	14		<del></del>	<del></del>		
200	14	-	400			<u>590</u> 595		<del></del>	15 16			[		
	15	-	405			600			17			·		
210 215	13	·	410			605			18			·		
220	2.0	·	415			610			19					
225	2.4		420			615			20	<del></del>				
230	27	·	425			620		[	21	<del> </del>	l ——	1		
235		-	430			625			22					
240	7.5-	-	435			630			23	<del> </del>	<del></del>	1		
245	2 12-		440			635			24	<del> </del>				
250	79		445			640			25		<del></del>			
255	2.9		450	<del></del>					25	l ——				
260	77		455			645		<del></del>	27			<b> </b> — —		
265	7.7 2.8-		460			<u>650</u>					l ——	·		
270	2.8	-				655		l ———	28	·				
275	2.7		465 470			660 665			29 30	<b> </b>	]			
280	2.7	-	475			670					<u> </u>	·		
285	2.10	<u>- </u>	480			675					l ——			
30	1	•	485			680		1	<del></del>	·	\ <del></del>			
	2.0		400				<u> </u>			<u> </u>		<u></u>		

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

Operator Meridian Oil	Location: Unit C Sec. 35 Twp 27 Rng //
Name of Well/Wells or Pipeline Service	ced DOUTHIT FEDERAL #351
4. #5	2261W
Elevation Completion Date // 7.9/	Total Depth 358 Land Type F
Casing Strings, Sizes, Types & Depth	8" PIC SURFACE CASING
90" DEEP	
	amounts & types used YES with
,	en placed, show depths & amounts used
Depths & thickness of water zones wi	th description of water: Fresh, Clear,
Salty, Sulphur, Etc. 100	Fresh
Depths gas encountered:	1 <sub>A</sub>
Ground bed depth with type & amount with 5200 lbs Asbury	of coke breeze used: 358 neep
Depths anodes placed: 335 325 315	305, 295, 285, 275, 265, 255, 245, 235
Depths vent pipes placed: 335'	· ; 24
Vent pipe perforations: bottom	
Remarks:	FEB2 41002
• ,	OIL CON. DIV.
	DIST. 3

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

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

#### CPS GROUND BED CONSTRUCTION WORKSHEET

•														
2261	2261 PIL NAME (*), NUMBER (*) Douth, + FED # 351, # 5													
P 71409	NAO9 TOTAL VOLTE AMPE O PATE -91 NAME MRW													
REMARKS (n	#351-C35, 27-11 £5 6 35-27-11													
FF 337	M5	4	10-8	EAS!				1						
"1) ATEr														
Alei	1-1-7			Asb	<b>,</b>	<u> </u>	<u> </u>		<del></del>					
DEPTH LOG	ANODE	DEPTH	LOG		DEPTH	LOG	ANODE							
DEPTH LOG	1	) DEP I A	ANODE	#	DEPIR	ANODE	HNODE	DEPTH	LOG	ANODE				
100 2.4	_	295	2.5-		490		— <del>``</del> —	685						
105 2.2		300	29		495		i ———							
110 2-1	-	305	2.7-		500		l ———	690						
	-	310	2.7				] <del></del>	695			<del></del>			
	-		2.5	_ <del></del>	505	<del></del>		700	DEPTH	<u></u>	FULLY			
120 1	-	315 320	2.0	_ <del></del>	510 515				DEPTH	COKE	COK'P			
125 7.4	-	325	7.10					<del></del>	777		7.3			
1	-	330	26° 2.5		520				335	34				
135 / 5	-		2 1		525			2	225	<u> ユ.フ</u> <u> ユ.フ</u>	38			
140 7.6	-	335	2.4-		530		<del></del>	3	315	<del>4./</del>	7.6			
145 / 5	-	340	2.5		535	<del></del>		4	305	32.7	7.3			
150 / <del>/</del> <del>/</del> 155 / 7	_	345 350			540			5	295	2.7 2.8 2.7	73			
	-		7.5 TD	258	545	·		6	285	<u>.y. 7</u>	7.5			
160 7	_{	355	10	358	550			7	275	2.8 2.8	76			
	-	360			555			8	265	<u> </u>	1-1			
170 <u>1.2</u> 175 <u>1.3</u>	-	365			560			9	2.55	3.8 3.8 3.5 2.4	7.4			
<del></del>	-	370			565			10	245	2.5	7.6			
180 / 4	_	375			570			11	235 225	3.5				
185 7	_	380			575	<del></del>		12	225	24	6.9			
190 1.3	_	385			580			13	<del></del>		l			
195 / 6	<u></u>	390			585			14			l			
200 /.3	-	395			590			15	<del></del>		<b> </b>			
205 14	-	400			595		<del></del>	16	·		<del> </del>			
210 1.5	-	405			600			17_	<del></del>					
215 1.3	<del>,   </del>	410			605			18						
— — — — — — — — — — — — — — — — — — —	-	415			610			19			l ——			
	-	420			615			20						
	_	425			620			21						
		430			625			22						
240 2-6	_	435			630			23	<del></del>					
245 2.0 250 2.9 255 2.5	<del>-  </del>	440 445			635			24	<del></del>		]			
255 2.5	_				640			25						
		450			645		<del></del>	26			<u> </u>			
260 <u>2.7</u> 265 <u>2.8</u>	_	455			650			27						
265 2.8	<u> </u>	460			655			28			<b> </b>			
270 2.8 275 2.1	_	465			660			29			] ——			
		470			665			30	<b></b>	<b></b>	]			
		475			670			<b> </b>		ļ				
285 7-10		480			675			<b> </b>	<del></del>		<b></b>			
2.4		485		<u> </u>	680									
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copy - Region Corrosion Specialist

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

Operator Maridian O./ Location: Unit M Sec. 35 Twp27 Rng //
Name of Well/Wells or Pipeline Serviced Douthit Feberal #352
CPS#3363 2262W
Elevation Completion Date 11-6-91 Total Depth 399 Land Type
Casing Strings, Sizes, Types & Depths 8" PVC Sor Face  CASNG 100' DEEP
CASING 100' DEEP
If Casing Strings are cemented, show amounts & types used /cs, with
22 SACKS NEAT CEMENT
If Cement or Bentonite Plugs have been placed, show depths & amounts used $\bigwedge U$
Depths & thickness of water zones with description of water: Fresh, Clear, Salty, Sulphur, Etc. Fresh 120
Depths gas encountered:
Ground bed depth with type & amount of coke breeze used: 399' DEED  with 5650 lbs of Asbury 4518 Flo Coke
Depths anodes placed: 360, 350, 315, 275, 265, 255, 210, 200, 190, 180, 170, 10
Vent pipe perforations: bottom 260
Remarks:
OIL CON. DIV.

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.

40 m

#### CPS GROUND BED CONSTRUCTION WORKSHEET

2262 PIL NAME (*), NUMBER (*) POUTHIT FEDERAL \$352													
71	NUID TOTAL VOLTES AMPS 5 - OHMS DATE NAME MRW												
REMAR						WATER	AT 1.	20	Ser	100	, of c	ASIN CA	
72	bacc	CEMEN 260	3T.	Del	JED	400'	600	(AFI)	399	, f	Der fort	9TED	
2	513(25	20100	· /	<u> </u>			/ /	<u> </u>				,, , ,	
150	TTOM	260	· · · · · · · · ·								<del></del>		
				113	bAGG	Asbu	LV-/						
DEPTH	LOG	1 1	DEPTH	LOG	i i	DEPTH	Log	ANODE	DEPTH	LOG	ANODE		
]	ANODE			ANODE		l	ANODE		-	ANDDE			
100		.	295	1.2		490	<b> </b>	ļ	685				
105	<b> </b>	.	300	1.0	-	495	] ——	]	690				
110		.	305	1.1	.	500			695			<b> </b>	
115		.	310	2.1	.	505	ł ——		700				
120	l	.	315	2.0-	:	510	l		ANODE	DEPTH	70	FULLY	
125		.	320	2.0	.	515	l ——		<b>∥</b> ——		COKE	COK'D	
130		.	325	1.9	.]	520	<b> </b>	<b></b>	1-1-	<u>360</u>	2.3 2.5 2.0	7.7	
135	25	.	330	1.8	.	525		<b> </b>		350 315	2.5	7.8	
140	2.7		335	1.8		530		<b> </b>	3	315	20	5.8 7.1	
145	2.6 2.6	.	340	1.8	.	535		<b> </b>	4	275	2.2	17.1	
150	2.6	.	345	2.1	.	540			5	265	2.1	7.1	
155	2.7	.	350	2.3- 2.3	.	545			6	255	2.3	6.5	
60	2.5-	.	355	2.3	.	550		l	7	210	2.1 2.1 2.3 2.3 2.3	7.9	
65	2.7	.	360	22		555	l		8	200	·2.2	7.8	
170	2.5	.	365	1.9		560			9	190	2.1	7.8	
175	2.4		370	18		<u>565</u>			10	180	3.1	8-1	
180	2.3		375	1.2		570			11	170	26	8.9	
185	2.2		380	9		575			12	160	2.7	9.2	
190	2.1-		385	. 7		580			13				
195	2.2		390	9	TO	585			14				
200	2.2-		395	1.8	399	590			15				
205	24		400		.	595			16				
210	2.2-		405			600		l	17				
215	2.0		410			605			18				
220	1.7		415			610			19				
225	1.0		420			615			20				
230	9		425			620			21				
235	.8		430			625			22				
240	6		435			630			23				
245	. 7		440			635			24				
250	1.2		445			640			25				
255	22-		450			645			26				
260	2.1		455			650			27				
265	2.1-		460			655			28				
270	2.1		465			660			29				
275	7.1-		470			665			30				
280	2.0		475			670			1				
285	1.9		480			675							
30	1.6		485		1	680			1				
	ו יעי	1			1		1	1	11	•	İ	1	

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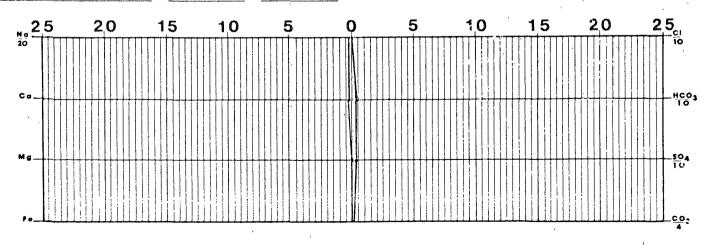
copy - Division Corrosion Supervisor
copy - Region Corrosion Specialist

#### API WATER A

NALYSIS	REPOF	ORM
---------	-------	-----

aboratory No. 25 - 911108 -	IM	•		·		
Company MERIDIAN			ample No.	Date Sampled		
Field 2262W	Legal Description		County or Parish	State NM		
Lease or Unit	Well Doutlut Federal	# 352 Depth 12C) '	Formation F C	Water, B/D		
Type of Water (Produced, Supply, e	c.) San	npling Point	Seed	Sampled By  MRW		

DISSOLVED SOLIDS			OTHER PROPERTIES	
CATIONS	mg/l	me/l	Н	8.61
Sodium, Na (calc.)	160	7.1	Specific Gravity, 60/60 F.	1.0017
Calcium, Ca	6.3	0.34	Resistivity (ohm-meters) <u>\$</u> F.	17.7
Magnesium, Mg	0.24	0.07	1	
Barium, Ba				· •
			Total Dissolved Sclids (calc.)	
ANIONS		•	•	560_
Chloride, Cl	12	0.35	Iron, Fe (total)	
Sulfate, So <sub>4</sub>	160	3.2	Sultide, as H₂S	
Carbonate, CO <sub>3</sub>	12	0.4	2335, 45 1725	
Bicarbonate, HCO <sub>3</sub>	510	3.5	REMARKS & RECOMMENDATIONS:	
	***************************************			*



Date Received 8+6, Novi, 1991.	Preserved	Date Analyzed Dec 1991.	Analyzed By
L		1	



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

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

Operator MECIDIAN O.1	Location: Unit M Sec. 35 Twp27 Rng 11
Name of Well/Wells or Pipeline Se	rviced DOUTHIT FEBERAL #352
CPS#3363 .	22626
ElevationCompletion Date	-91 Total Depth 399 Land Type +
	pths 8" PUC Surface
CASING 100' DEEP	
, · · · · · · · · · · · · · · · · · · ·	how amounts & types used /es, and
•	been placed, show depths & amounts used
Depths & thickness of water zones Salty, Sulphur, Etc. Fresh	with description of water: Fresh, Clear,
Depths gas encountered: $NC$	)
Ground bed depth with type & amount	shury 4518 Flo Coise
	15, 275, 265, 255, 210, 200, 190, 180, 170,
Depths vent pipes placed: 360	
Vent pipe perforations: borto	~ 260 IN III
Remarks:	FEB2 4 1992
	OIL CON. DIV.
logs, including Drillers Log, Watebe submitted when available. Unp	ilable, please indicate so. Copies of all er Analyses & Well Bore Schematics should lugged abandoned wells are to be included
Land Type may be shown: F-Federa If Federal or Indian add Loase N	1; 1-Indian; S-State; P-Fee.

### CPS GROUND BED CONSTRUCTION WORKSHEET

22 bags cement. Drilles 400' Logged 399' BOTTOM 260'	RW											
	of casing											
	PerfoRATED											
13 bags Asbury												
DEPTH LOG ANODE DEPTH LOG ANODE DEPTH LOG	ANODE											
ANODE * ANODE * ANODE *	DE 3 40 SE 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1											
100 295 1.2 490 685												
105 300 1.0 495 690												
110 305 1 500 695												
115 310 2.1 505 700	and the second											
120 315 2.0- 510 ANODE DEPT												
125 130 320 20 515 520 1 366	COKE COK"D											
135     2.5       140     2.7       335     7.8       530     3       335     3       335     3												
145 2.6 340 /.8 535 4 2.75												
150 2.6 345 2.1 540 5 26.5												
155 2·7 350 2·3- 545 6 ZS:												
160 2.5 355 2.3 550 7 2.0	2.3 7.9											
65 27 360 24 555 8 20	2.2.8.4											
170 Z·5 365 1·7 560 9 190	J 5.1 7.8											
175 2.4 370 / 8 565 10 180												
180 2.3 375 1.2 570 11 170	2 3.6 8.7											
185 2-2 380 9 575 12 160 190 2.1 385 7 580 13	0 2.7 9.2											
<del></del>												
195 2.2 390 .7 TD 585 14 200 2.2 395 1.8 399 590 15												
205 2.4 400 595 16												
210 22- 405 600 17	_											
215 2.0 410 605 18	а-											
220 1.7 415 610 19												
225   1.0   420   615   20   21												
230 4 425 620 21	_											
235 8 430 625 22	_											
240 6 435 630 23 24	_											
245     .7     440     635     24       250     1.2     445     640     25	_											
255 2 2 450 645 26												
260 2.1 455 650 27												
265 2.1- 460 655 28												
270 2.1 465 660 29												
275 7 - 470 665 30												
	_											
285 1.9 480 675												
30   ()   485   680	* 143g											

CIBTRIBUTION - original - permanent CP8-FILE

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capy - Region Correcton Specialist

,		ATER ANAL	YSIS REPOR	ORM	5
aboratory No. 25 - 911108	, - IM				
Company MERIDIAN				Sample No.	Date Sampled
Field	Len	al Description		County or Parish	11 - 6 - 91
22620		5 25 26	5 - II	1	Tues NM
Lease or Unit	I Mari		I Beath	Formation	· Water, B/D
	Doutlui F	edesal #	352 1201	FC	170.01, 0.10
Type of Water (Produced, Supply	, etc.)	Sampling			Sampled By .
			Cmound	Bred	WEN
ISSOLVED SOLIDS		' !	OTHER PROF	PERTIES	
ATIONS	mg/l	me/l	pH		8.61
odium, Na (calc.)	160	7.1	Specific Gravi	ty, 60/60 F.	1,0017
alcium, Ca	6.3	0.34	Resistivity (oh	m-meters) <u>&amp;&amp;</u> F.	17.2
agnesium, Mg	0.24	0.02			
arium, Ba					
				•	
				Total Dissolved S	
NIONS					560
hloride, Cl	2	0.35		Iron, Fe (total)	
ulfate, So <sub>4</sub>	160	3.2		Sulfide, as H₂S	, ,
arbonate, CO₃ icarbonate, HCO₃	510	<u>0.4</u> 3.5 :			
·			REMARKS &	RECOMMENDATIONS:	
	<del></del>				•
"25 20 1	5 1,0	5	Q 5	10 15	2 <sub>0</sub> 2 <sub>5</sub>
20					10
C.					
					HCO3
	1111111111111				
			-   N. H.		
Mg 113 113 113 113					
					504
					\$04 10
					504
	Preserved		Date_Analyzed		503



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



**APPENDIX C** 

Executed C-138 Solid Waste Acceptance Forms

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

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

Form C-138 Revised 08/01/11

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

#### REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. Generator Name and Address:
Entermine Field Court and LLC (ALD III and LLC)
PayKey: RB21200 PM: Aaron Lucero AFE: N55007
2. Originating Site:
Douthit Federal #6 PC
3. Location of Material (Street Address, City, State or ULSTR): UL D Section 26 T27N R11W; 36.552376, -107.980790
4. Source and Description of Waste:
Source: Remediation activities associated with a natural gas pipeline leak.  Description: Hydrocarbon/Condensate impacted soil associated natural gas pipeline release.
Estimated Volume _50 (yd) / bbls Known Volume (to be entered by the operator at the end of the haul)125 yd³ (bbls)
5. GENERATOR CERTIFICATION STATEMENT OF WASTE STATUS
I, Thomas Long  Th
RCRA Exempt: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.  **Operator Use Only: Waste Acceptance Frequency   Monthly   Weekly   Per Load
RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items)
☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description in Box 4)
GENERATOR 19.15.36.15 WASTE TESTING CERTIFICATION STATEMENT FOR LANDFARMS
I, Thomas Long  9-2-2021, representative for Enterprise Products Operating authorizes Envirotech, Inc. to complete  Generator Signature  the required testing/sign the Generator Waste Testing Certification.  I, Cred Crabbree, representative for Envirotech, Inc. do hereby certify that representative samples of the oil field waste have been subjected to the paint filter test and tested for chloride content and that the samples have been found to conform to the specific requirements applicable to landfarms pursuant to Section 15 of 19.15.36 NMAC. The results of the representative samples are attached to demonstrate the above-described waste conform to the requirements of Section 15 of 19.15.36 NMAC.
5. Transporter: Riley Industrial OCD Permitted Surface Waste Management Facility
Name and Facility Permit #: Envirotech Inc. Soil Remediation Facility * Permit #: NM 01-0011  Address of Facility: Hilltop, NM  Method of Treatment and/or Disposal:  Evaporation Injection Treating Plant Landfarm Landfill Other
Waste Acceptance Status:
PRINT NAME: Greg Grastree TITLE: Fiviro Management Facility Authorized Agent  TITLE: Fiviro Management DATE: 9/2/21  TELEPHONE NO.: 505-632-0615

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.

#### REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

ALQUEST TORTH TROTTE TO THE CELL THE	
1. Generator Name and Address: Enterprise Field Services, LLC, 614 Reilly Ave, Farmington NM 87401	PayKey: RB21200 PM: Aaron Lucero AFE: N55007
2. Originating Site: Douthit Federal #6 PC	
3. Location of Material (Street Address, City, State or ULSTR): UL D Section 26 T27N R11W; 36.552376, -107.980790	
4. Source and Description of Waste: Source: Remediation activities associated with a natural gas pipeline leak. Description: Hydrocarbon/Condensate impacted soil associated natural gas pipeline release. Estimated Volume 50 yd bbls Known Volume (to be entered by the operator at the end of	
5. GENERATOR CERTIFICATION STATEMENT OF WAST	E STATUS
I, Thomas Long , representative or authorized agent for Enterprise Products Operating Generator Signature certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Envirogulatory determination, the above described waste is: (Check the appropriate classification)	
□ RCRA Exempt: Oil field wastes generated from oil and gas exploration and production exempt waste.      ○ Derator Use Only: Waste Acceptance Frequency    □ Monthly    □ Waste Acceptance    □ Monthly    □ Mont	operations and are not mixed with non- eekly Per Load
☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the necharacteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous subpart D, as amended. The following documentation is attached to demonstrate the above-the appropriate items)	s waste as defined in 40 CFR, part 261,
☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ 0	Other (Provide description in Box 4)
GENERATOR 19.15.36.15 WASTE TESTING CERTIFICATION STATEME	NT FOR LANDFARMS
I, Thomas Long 10-18-2021, representative for Enterprise Products Operating author Generator Signature the required testing/sign the Generator Waste Testing Certification.	rizes Envirotech, Inc. to complete
I, Cra Grage, representative for Envirotech, Inc. representative samples of the oil field waste have been subjected to the paint filter test and tested have been found to conform to the specific requirements applicable to landfarms pursuant to Sec of the representative samples are attached to demonstrate the above-described waste conform to 19.15.36 NMAC.	ction 15 of 19.15.36 NMAC. The results
5. Transporter: Riley Industrial HBL, OFT STAN HOFN, CFAM	
OCD Permitted Surface Waste Management Facility	
Name and Facility Permit #: Envirotech Inc. Soil Remediation Facility * Permit #: NM (Address of Facility: Hilltop, NM Method of Treatment and/or Disposal:  Evaporation Injection Treating Plant Landfarm	
Waste Acceptance Status:    X APPROVED   DENIED (N	Must Be Maintained As Permanent Record)
PRINT NAME: Greg Crabbrae SIGNATURE: Surface Waste Management Facility Authorized Agent  TITLE: Enviro Management Facility Authorized Agent  TELEPHONE NO.: 505-632	nagen DATE: 10/20/21



APPENDIX D

Photographic Documentation

#### **SITE PHOTOGRAPHS**

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



#### Photograph 1

Photograph Description: View of in-process excavation activities.



#### Photograph 2

Photograph Description: View of in-process excavation activities.



#### Photograph 3

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



#### **SITE PHOTOGRAPHS**

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



#### Photograph 4

Photograph Description: View of in-process excavation activities.



#### Photograph 5

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



#### Photograph 6

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



#### SITE PHOTOGRAPHS

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



#### Photograph 7

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



#### Photograph 8

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





**APPENDIX E** 

Regulatory Correspondence

From: Long, Thomas

To: "Smith, Cory, EMNRD (Cory.Smith@state.nm.us)"; rjoyner@blm.gov

Cc: Stone, Brian

Subject: FW: Douthit Federal #6 PC - UL D Section 26 T27N R11W; 36.552376, -107.980790 - Incident nAPP2129253819

**Date:** Wednesday, November 3, 2021 5:40:00 PM **Attachments:** Douthit Fed 6 Field Map 110321.PDF

Douthit Federal 6.pdf

#### Cory/Ryan,

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

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



**From:** Long, Thomas <tjlong@eprod.com> **Sent:** Monday, November 1, 2021 8:29 AM

To: EMNRD Smith Cory <Cory.Smith@state.nm.us>; Ryan Joyner <rjoyner@blm.gov>

**Cc:** Stone, Brian <br/> <br/> bmstone@eprod.com>

Subject: Fwd: Douthit Federal #6 PC - UL D Section 26 T27N R11W; 36.552376, -107.980790 -

Incident nAPP2129253819

Cory/Ryan,

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

Tom Long

Begin forwarded message:

**From:** "Long, Thomas" </O=EPROD/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=LONG

Date: October 29, 2021 at 7:25:00 AM MDT

Subject: FW: Douthit Federal #6 PC - UL D Section 26 T27N R11W; 36.552376,

#### -107.980790 - Incident nAPP2129253819

Cory/Ryan, C

This email is a notification that Enterprise will be collecting soil samples for laboratory analysis at the Douthit Federal #6 PC on Monday, November 1, 2021 at 1:00 p.m. If you have any questions, please call or email.

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



From: Long, Thomas

**Sent:** Friday, October 22, 2021 3:29 PM

**To:** 'Smith, Cory, EMNRD (<u>Cory.Smith@state.nm.us</u>)' < <u>Cory.Smith@state.nm.us</u>>;

rjoyner@blm.gov

**Cc:** Stone, Brian < bmstone@eprod.com>

**Subject:** Douthit Federal #6 PC - UL D Section 26 T27N R11W; 36.552376, -107.980790

- Incident nAPP2129253819

Cory/Ryan,

This email is a notification that Enterprise will be collecting soil samples for laboratory analysis at the Douthit Federal #6 PC on Monday, October 25, 2021 at 1:00 p.m. If you have any questions, please call or email.

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



### **ENSOLUM**

**APPENDIX F** 

**Tables** 



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

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

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

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

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



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

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



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

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

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

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

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



APPENDIX G

Laboratory Data Sheets & Chain of Custody Documentation



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

October 29, 2021

Kyle Summers ENSOLUM 606 S. Rio Grande Suite A Aztec, NM 87410

TEL: (903) 821-5603

FAX:

RE: Douthit Federal 6 OrderNo.: 2110B71

#### Dear Kyle Summers:

Hall Environmental Analysis Laboratory received 2 sample(s) on 10/26/2021 for the analyses presented in the following report.

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

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

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

Sincerely,

Andy Freeman

Laboratory Manager

Indest

4901 Hawkins NE

Albuquerque, NM 87109

### Analytical Report Lab Order 2110B71

Date Reported: 10/29/2021

#### Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM Client Sample ID: S-1

 Project:
 Douthit Federal 6
 Collection Date: 10/19/2021 9:00:00 AM

 Lab ID:
 2110B71-001
 Matrix: MEOH (SOIL)
 Received Date: 10/26/2021 7:15:00 AM

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

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

Qualifiers:

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

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

Page 1 of 6

### **Analytical Report**Lab Order **2110B71**

Date Reported: 10/29/2021

#### Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM Client Sample ID: S-2

 Project:
 Douthit Federal 6
 Collection Date: 10/19/2021 9:05:00 AM

 Lab ID:
 2110B71-002
 Matrix: MEOH (SOIL)
 Received Date: 10/26/2021 7:15:00 AM

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

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

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 Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

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

Page 2 of 6

#### **QC SUMMARY REPORT**

#### Hall Environmental Analysis Laboratory, Inc.

WO#: **2110B71** 

29-Oct-21

Client: ENSOLUM
Project: Douthit Federal 6

Sample ID: MB-63562 SampType: mblk TestCode: EPA Method 300.0: Anions

Client ID: PBS Batch ID: 63562 RunNo: 82359

Prep Date: 10/26/2021 Analysis Date: 10/26/2021 SeqNo: 2922227 Units: mg/Kg

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Chloride ND 1.5

Sample ID: LCS-63562 SampType: Ics TestCode: EPA Method 300.0: Anions

Client ID: LCSS Batch ID: 63562 RunNo: 82359

Prep Date: 10/26/2021 Analysis Date: 10/26/2021 SeqNo: 2922228 Units: mg/Kg

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Chloride 14 1.5 15.00 0 92.1 90 110

#### Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank

E Value above quantitation range

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 3 of 6

## Hall Environmental Analysis Laboratory, Inc.

2110B71 29-Oct-21

WO#:

Client:	ENSOLUM
Project:	Douthit Federal 6

Project: Douthit	t Federal 6
Sample ID: LCS-63555	SampType: LCS TestCode: EPA Method 8015M/D: Diesel Range Organics
Client ID: LCSS	Batch ID: 63555 RunNo: 82349
Prep Date: 10/26/2021	Analysis Date: 10/26/2021 SeqNo: 2920532 Units: mg/Kg
Analyte	Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Diesel Range Organics (DRO)	49 10 50.00 0 97.1 68.9 135
Surr: DNOP	4.6 5.000 91.7 70 130
Sample ID: MB-63555	SampType: MBLK TestCode: EPA Method 8015M/D: Diesel Range Organics
Client ID: PBS	Batch ID: 63555 RunNo: 82349
Prep Date: 10/26/2021	Analysis Date: 10/26/2021 SeqNo: 2920533 Units: mg/Kg
Analyte	Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Diesel Range Organics (DRO)	ND 10
Motor Oil Range Organics (MRO)	ND 50
Surr: DNOP	8.8 10.00 87.6 70 130
Sample ID: LCS-63557	SampType: LCS TestCode: EPA Method 8015M/D: Diesel Range Organics
Client ID: LCSS	Batch ID: <b>63557</b> RunNo: <b>82349</b>
Prep Date: 10/26/2021	Analysis Date: 10/27/2021 SeqNo: 2922031 Units: %Rec
Analyte	Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Surr: DNOP	4.3 5.000 86.5 70 130
Sample ID: <b>MB-63557</b>	SampType: MBLK TestCode: EPA Method 8015M/D: Diesel Range Organics
Client ID: PBS	Batch ID: 63557 RunNo: 82349
Prep Date: 10/26/2021	Analysis Date: 10/27/2021 SeqNo: 2922032 Units: %Rec
Analyte	Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Surr: DNOP	11 10.00 113 70 130
Sample ID: <b>MB-63573</b>	SampType: MBLK TestCode: EPA Method 8015M/D: Diesel Range Organics
Client ID: PBS	Batch ID: 63573 RunNo: 82349
Prep Date: 10/26/2021	Analysis Date: 10/28/2021 SeqNo: 2923815 Units: %Rec
Analyte	Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Surr: DNOP	13 10.00 126 70 130

#### Qualifiers:

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

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

Page 4 of 6

#### Hall Environmental Analysis Laboratory, Inc.

2110B71 29-Oct-21

WO#:

Client: ENSOLUM
Project: Douthit Federal 6

Sample ID: MB-Water SampType: MBLK TestCode: EPA Method 8015D: Gasoline Range

Client ID: PBS Batch ID: R82343 RunNo: 82343

Prep Date: Analysis Date: 10/26/2021 SeqNo: 2920234 Units: mg/Kg

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Gasoline Range Organics (GRO) ND 5.0

Surr: BFB 1000 1000 102 70 130

Sample ID: 2.5ug gro lcs SampType: LCS TestCode: EPA Method 8015D: Gasoline Range

Client ID: LCSS Batch ID: R82343 RunNo: 82343

Prep Date: Analysis Date: 10/26/2021 SeqNo: 2920235 Units: mg/Kg

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

 Gasoline Range Organics (GRO)
 26
 5.0
 25.00
 0
 103
 78.6
 131

 Surr: BFB
 1100
 1000
 114
 70
 130

#### Qualifiers:

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

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

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## Hall Environmental Analysis Laboratory, Inc.

WO#: **2110B71** 

29-Oct-21

Client: ENSOLUM
Project: Douthit Federal 6

Sample ID: MB-Water	SampT	уре: МЕ	BLK	Tes	tCode: EF	PA Method	8021B: Volati	les		
Client ID: PBS	Batcl	n ID: <b>R8</b>	2343	RunNo: <b>82343</b>						
Prep Date:	Analysis D	Date: 10	/26/2021	5	SeqNo: 29	920236	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.0		1.000		103	70	130			

Sample ID: 100ng btex Ics	SampT	Гуре: <b>LC</b>	S	Tes	tCode: EF	PA Method	8021B: Volati	les		
Client ID: LCSS	Batcl	h ID: <b>R8</b> 2	2343	F	RunNo: 82	2343				
Prep Date:	Analysis D	Date: 10	/26/2021	5	SeqNo: 29	20237	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.93	0.025	1.000	0	93.3	80	120			
Toluene	0.96	0.050	1.000	0	96.5	80	120			
Ethylbenzene	1.0	0.050	1.000	0	101	80	120			
Xylenes, Total	3.0	0.10	3.000	0	101	80	120			
Surr: 4-Bromofluorobenzene	1.0		1.000		102	70	130			

#### Qualifiers:

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

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

Page 6 of 6



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109

TEL: 505-345-3975 FAX: 505-345-4107 Website: clients.hallenvironmental.com

## Sample Log-In Check List

Client Name:	ENSOLUM	1	Work	Order Num	nber: 211	0B71			RcptNo:	1
Received By:	Cheyenn	e Cason	10/26/2	2021 7:15:0	0 AM		Chul	1		
Completed By	/: Desiree [	Dominguez	10/26/2	.021 8:16:1	5 AM		Chul	>		
Reviewed By:	Jn 10	126/21					11-	3		
<u>Chain of Cเ</u>	ıstody									
1. Is Chain of		olete?			Yes	<b>V</b>	No		Not Present	
2. How was th	ne sample deli	vered?			Cou	<u>rier</u>				
Log In										
3. Was an atte	empt made to	cool the samp	les?		Yes	<b>✓</b>	No		NA 🗌	
4. Were all sai	mples received	d at a tempera	ture of >0°C	to 6.0°C	Yes		No	П	NA 🗆	
		a at a tempera	tule of 20 C	10 0.0 C	res	V	110		NA L	
5. Sample(s) i	in proper conta	niner(s)?			Yes	<b>✓</b>	No			
6. Sufficient sa	ample volume	for indicated te	est(s)?		Yes	<b>✓</b>	No			
7. Are samples	s (except VOA	and ONG) pro	perly preserve	ed?	Yes	<b>V</b>	No			
8. Was preser	vative added to	bottles?			Yes		No	<b>✓</b>	NA $\square$	
9. Received at	least 1 vial wi	th headspace	<1/4" for AQ \	OA?	Yes		No		NA 🗹	
10. Were any s	ample contain	ers received b	roken?		Yes		No	<b>V</b>		
									# of preserved bottles checked	
11. Does papen					Yes	<b>✓</b>	No		for pH:	
	pancies on ch								(<2 or Adjusted?	>12 unless noted)
2. Are matrices			500 Heroschott		Yes				Adjusted?	
3. Is it clear wh		3.73	?		Yes	<b>V</b>	No		Okadadha	01
14. Were all hol (If no, notify	customer for a				Yes	<b>V</b>	No		Checked by:	10.26.21
Special Hand	dling (if app	olicable)								
15.Was client i	notified of all d	iscrepancies v	vith this order?	>	Yes		No		NA 🗹	
Perso	n Notified:		THE RESERVE OF THE PERSON OF T	Date	-			and the same of		
By W	hom:			Via:	eM	ail 🔲	Phone _	Fax	☐ In Person	
Regar	rding:					MINISTER OF THE PERSON NAMED IN				
Client	Instructions:		PULLUL AND POSITION AND AND			Naurana and A				
16. Additional i	remarks:									
17. Cooler Info	ormation									
Cooler N		Condition	Seal Intact	Seal No	Seal D	ate	Signed E	Зу		
1	4.6	Good					3	•		
2	5.3	Good								

Released to	2 <del>-</del>
Imaging:	•
4/22/2022 3:19:56 PM	

Client:	Enso Address tec/	lum, ).	Riolomando Siite A	Turn-Around  □ Standard  Project Nam  □ O □ +  Project #:	Rush e: nit Fede		HALL ENVIRONMENTAL ANALYSIS LABORATOR www.hallenvironmental.com 4901 Hawkins NE - Albuquerque, NM 87109 Tel. 505-345-3975 Fax 505-345-4107 Analysis Request					Received by OCD: 2/14/2022 8									
	Package idard	:	Durs @ ensolu mocom  □ Level 4 (Full Validation)  Dempliance		ager: Ksum		IMB's (8021)	DRO/MRO)	82 PCB's	(1	8270SIMS		NO <sub>2</sub> , PO <sub>4</sub> , SO <sub>4</sub>								:31:00 AM
□ NEL		□ Other	•	On Ice: # of Coolers:	Yes Y.	□-No 6-0=4,6 3-0=5,3 (°C)	BE/	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082	EDB (Method 504.1)	5		ő	0200 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)	Chlonde				
16/19/21		3	3-1	1×402 Jar		-001	X	X	-ω	╣	4	<u> </u>		9 (	ω	-	X	+	+	$\vdash$	Н
10/19/21	905	S	S-2	1×462 Jar		-002	X	X								- 1	X				
Date: 10/25/21 Date: 10/25/21	Time: 1660 Time:	Relinquish	ed by:	Received by: Via: Date Time Remarks: PM - Tom Long (TPROD)  Received by: Via: Date Time Pay Rey - RB 21200  Non AFE - NSS 008  Subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated as the possibility.				2)	1.2	Page 77 of 1											



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

November 02, 2021

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

FAX:

RE: Douthit Federal 6 OrderNo.: 2110B72

#### Dear Kyle Summers:

Hall Environmental Analysis Laboratory received 13 sample(s) on 10/26/2021 for the analyses presented in the following report.

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

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

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

Sincerely,

Andy Freeman

Laboratory Manager

andy

4901 Hawkins NE

Albuquerque, NM 87109

Date Reported: 11/2/2021

### Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM Client Sample ID: S-3

 Project:
 Douthit Federal 6
 Collection Date: 10/25/2021 1:05:00 PM

 Lab ID:
 2110B72-001
 Matrix: MEOH (SOIL)
 Received Date: 10/26/2021 7:15:00 AM

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

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

Qualifiers:

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

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

Page 1 of 18

Date Reported: 11/2/2021

### Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM Client Sample ID: S-4

 Project:
 Douthit Federal 6
 Collection Date: 10/25/2021 1:10:00 PM

 Lab ID:
 2110B72-002
 Matrix: MEOH (SOIL)
 Received Date: 10/26/2021 7:15:00 AM

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

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

Qualifiers:

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

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

Page 2 of 18

Date Reported: 11/2/2021

### Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM Client Sample ID: S-5

 Project:
 Douthit Federal 6
 Collection Date: 10/25/2021 1:15:00 PM

 Lab ID:
 2110B72-003
 Matrix: MEOH (SOIL)
 Received Date: 10/26/2021 7:15:00 AM

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

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

Qualifiers:

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

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

Page 3 of 18

Date Reported: 11/2/2021

### Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM Client Sample ID: S-6

 Project:
 Douthit Federal 6
 Collection Date: 10/25/2021 1:20:00 PM

 Lab ID:
 2110B72-004
 Matrix: MEOH (SOIL)
 Received Date: 10/26/2021 7:15:00 AM

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

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

Qualifiers:

- \* Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit

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

Page 4 of 18

Date Reported: 11/2/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM Client Sample ID: S-7

 Project:
 Douthit Federal 6
 Collection Date: 10/25/2021 1:25:00 PM

 Lab ID:
 2110B72-005
 Matrix: MEOH (SOIL)
 Received Date: 10/26/2021 7:15:00 AM

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

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

Qualifiers:

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

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

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Date Reported: 11/2/2021

### Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM Client Sample ID: S-8

 Project:
 Douthit Federal 6
 Collection Date: 10/25/2021 1:30:00 PM

 Lab ID:
 2110B72-006
 Matrix: MEOH (SOIL)
 Received Date: 10/26/2021 7:15:00 AM

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

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

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit

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

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Date Reported: 11/2/2021

### Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM Client Sample ID: S-9

 Project:
 Douthit Federal 6
 Collection Date: 10/25/2021 1:35:00 PM

 Lab ID:
 2110B72-007
 Matrix: MEOH (SOIL)
 Received Date: 10/26/2021 7:15:00 AM

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

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

Qualifiers:

- \* Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit

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

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Date Reported: 11/2/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM Client Sample ID: S-10

 Project:
 Douthit Federal 6
 Collection Date: 10/25/2021 1:40:00 PM

 Lab ID:
 2110B72-008
 Matrix: MEOH (SOIL)
 Received Date: 10/26/2021 7:15:00 AM

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

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

Qualifiers:

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

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

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Date Reported: 11/2/2021

### Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM Client Sample ID: S-11

 Project:
 Douthit Federal 6
 Collection Date: 10/25/2021 1:45:00 PM

 Lab ID:
 2110B72-009
 Matrix: MEOH (SOIL)
 Received Date: 10/26/2021 7:15:00 AM

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

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

Qualifiers:

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

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

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Date Reported: 11/2/2021

### Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM Client Sample ID: S-12

 Project:
 Douthit Federal 6
 Collection Date: 10/25/2021 1:50:00 PM

 Lab ID:
 2110B72-010
 Matrix: MEOH (SOIL)
 Received Date: 10/26/2021 7:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed B	Batch
EPA METHOD 300.0: ANIONS						Analyst: N	<b>MRA</b>
Chloride	ND	60		mg/Kg	20	10/26/2021 1:06:19 PM 6	63563
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS					Analyst: S	SB
Diesel Range Organics (DRO)	39	9.8		mg/Kg	1	10/26/2021 12:55:59 PM 6	3555
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	10/26/2021 12:55:59 PM 6	3555
Surr: DNOP	82.9	70-130		%Rec	1	10/26/2021 12:55:59 PM 6	3555
EPA METHOD 8015D: GASOLINE RANGE						Analyst: N	NSB
Gasoline Range Organics (GRO)	230	19		mg/Kg	5	10/26/2021 1:37:33 PM G	G82361
Surr: BFB	290	70-130	S	%Rec	5	10/26/2021 1:37:33 PM G	382361
EPA METHOD 8021B: VOLATILES						Analyst: N	NSB
Benzene	0.39	0.095		mg/Kg	5	10/26/2021 1:37:33 PM B	382361
Toluene	7.2	0.19		mg/Kg	5	10/26/2021 1:37:33 PM E	382361
Ethylbenzene	1.8	0.19		mg/Kg	5	10/26/2021 1:37:33 PM E	382361
Xylenes, Total	17	0.38		mg/Kg	5	10/26/2021 1:37:33 PM E	382361
Surr: 4-Bromofluorobenzene	102	70-130		%Rec	5	10/26/2021 1:37:33 PM B	382361

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

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 Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

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

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Date Reported: 11/2/2021

### Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM Client Sample ID: S-13

 Project:
 Douthit Federal 6
 Collection Date: 10/25/2021 1:55:00 PM

 Lab ID:
 2110B72-011
 Matrix: MEOH (SOIL)
 Received Date: 10/26/2021 7:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed Batch	1
EPA METHOD 300.0: ANIONS						Analyst: MRA	
Chloride	ND	60		mg/Kg	20	10/26/2021 1:18:41 PM 63563	3
EPA METHOD 8015M/D: DIESEL RANGE ORGA	ANICS					Analyst: SB	
Diesel Range Organics (DRO)	81	9.5		mg/Kg	1	10/29/2021 10:36:23 AM 63555	;
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	10/29/2021 10:36:23 AM 63555	5
Surr: DNOP	98.2	70-130		%Rec	1	10/29/2021 10:36:23 AM 63555	5
EPA METHOD 8015D: GASOLINE RANGE						Analyst: NSB	
Gasoline Range Organics (GRO)	1100	17		mg/Kg	5	10/26/2021 2:01:02 PM G8236	61
Surr: BFB	830	70-130	S	%Rec	5	10/26/2021 2:01:02 PM G8236	61
EPA METHOD 8021B: VOLATILES						Analyst: NSB	
Benzene	4.2	0.085		mg/Kg	5	10/26/2021 2:01:02 PM B8236	31
Toluene	51	1.7		mg/Kg	50	10/26/2021 8:15:47 PM B8236	31
Ethylbenzene	8.8	0.17		mg/Kg	5	10/26/2021 2:01:02 PM B8236	31
Xylenes, Total	73	3.4		mg/Kg	50	10/26/2021 8:15:47 PM B8236	31
Surr: 4-Bromofluorobenzene	153	70-130	S	%Rec	5	10/26/2021 2:01:02 PM B8236	31

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

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 Quanitative Limit

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

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Date Reported: 11/2/2021

### Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM Client Sample ID: S-14

 Project:
 Douthit Federal 6
 Collection Date: 10/25/2021 2:00:00 PM

 Lab ID:
 2110B72-012
 Matrix: MEOH (SOIL)
 Received Date: 10/26/2021 7:15:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed Batch	1
EPA METHOD 300.0: ANIONS					Analyst: MRA	
Chloride	150	60	mg/Kg	20	10/26/2021 1:55:44 PM 63563	i
EPA METHOD 8015M/D: DIESEL RANGE ORG	GANICS				Analyst: SB	
Diesel Range Organics (DRO)	ND	9.7	mg/Kg	1	10/26/2021 11:56:56 AM 63555	,
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	10/26/2021 11:56:56 AM 63555	,
Surr: DNOP	91.6	70-130	%Rec	1	10/26/2021 11:56:56 AM 63555	,
EPA METHOD 8015D: GASOLINE RANGE					Analyst: NSB	
Gasoline Range Organics (GRO)	ND	3.5	mg/Kg	1	10/26/2021 2:24:29 PM G8236	31
Surr: BFB	120	70-130	%Rec	1	10/26/2021 2:24:29 PM G8236	31
EPA METHOD 8021B: VOLATILES					Analyst: NSB	
Benzene	ND	0.017	mg/Kg	1	10/26/2021 2:24:29 PM B8236	31
Toluene	ND	0.035	mg/Kg	1	10/26/2021 2:24:29 PM B8236	31
Ethylbenzene	ND	0.035	mg/Kg	1	10/26/2021 2:24:29 PM B8236	31
Xylenes, Total	ND	0.069	mg/Kg	1	10/26/2021 2:24:29 PM B8236	31
Surr: 4-Bromofluorobenzene	83.9	70-130	%Rec	1	10/26/2021 2:24:29 PM B8236	31

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

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 Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

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

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Date Reported: 11/2/2021

### Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM Client Sample ID: S-15

 Project:
 Douthit Federal 6
 Collection Date: 10/25/2021 2:05:00 PM

 Lab ID:
 2110B72-013
 Matrix: MEOH (SOIL)
 Received Date: 10/26/2021 7:15:00 AM

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

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

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit

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

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#### Hall Environmental Analysis Laboratory, Inc.

2110B72 02-Nov-21

WO#:

Client: ENSOLUM
Project: Douthit Federal 6

Sample ID: MB-63563 SampType: mblk TestCode: EPA Method 300.0: Anions

Client ID: PBS Batch ID: 63563 RunNo: 82360

Prep Date: 10/26/2021 Analysis Date: 10/26/2021 SeqNo: 2921856 Units: mg/Kg

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Chloride ND 1.5

Sample ID: LCS-63563 SampType: Ics TestCode: EPA Method 300.0: Anions

Client ID: LCSS Batch ID: 63563 RunNo: 82360

Prep Date: 10/26/2021 Analysis Date: 10/26/2021 SeqNo: 2921857 Units: mg/Kg

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Chloride 14 1.5 15.00 0 91.1 90 110

Sample ID: MB-63562 SampType: mblk TestCode: EPA Method 300.0: Anions

Client ID: PBS Batch ID: 63562 RunNo: 82359

Prep Date: 10/26/2021 Analysis Date: 10/26/2021 SeqNo: 2922227 Units: mg/Kg

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Chloride ND 1.5

Sample ID: LCS-63562 SampType: Ics TestCode: EPA Method 300.0: Anions

Client ID: LCSS Batch ID: 63562 RunNo: 82359

Prep Date: 10/26/2021 Analysis Date: 10/26/2021 SeqNo: 2922228 Units: mg/Kg

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Chloride 14 1.5 15.00 0 92.1 90 110

#### Qualifiers:

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

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

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## Hall Environmental Analysis Laboratory, Inc.

WO#: **2110B72** 

02-Nov-21

Client:	ENSOLUM
<b>Project:</b>	Douthit Federal 6

Sample ID: LCS-63555	SampT	ype: <b>LC</b>	S	Tes	tCode: El	PA Method	8015M/D: Die	esel Range	e Organics	
Client ID: LCSS	Batch	1D: <b>63</b>	555	F	RunNo: 8	2349				
Prep Date: 10/26/2021	Analysis D	ate: 10	)/26/2021	S	SeqNo: 29	920532	Units: mg/k	ζg		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	49	10	50.00	0	97.1	68.9	135			
Surr: DNOP	4.6		5.000		91.7	70	130			
Sample ID: MB-63555	SampT	ype: ME	BLK	Tes	tCode: El	PA Method	8015M/D: Die	esel Range	e Organics	
Client ID: PBS	Batch	1D: <b>63</b>	555	F	RunNo: 8	2349				
Prep Date: 10/26/2021	Analysis D	ate: 10	)/26/2021	8	SeqNo: 2	920533	Units: mg/k	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	8.8		10.00		87.6	70	130			
Sample ID: 2110B72-013Al	<b>MS</b> SampT	уре: <b>М</b>	: MS TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: S-15	Batch	1D: <b>63</b>	556	F	RunNo: 8	2354				
Prep Date: 10/26/2021	Analysis D	ate: 10	)/26/2021	8	SeqNo: 29	920787	Units: mg/k	(g		
Analyte										
Allalyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	48	PQL 10	49.75	SPK Ref Val	96.8	39.3	155	%RPD	RPDLimit	Qual
								%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	48 4.8		49.75 4.975	0	96.8 96.2	39.3 70	155			Qual
Diesel Range Organics (DRO) Surr: DNOP	48 4.8 <b>MSD</b> SampT	10	49.75 4.975	0 Tes	96.8 96.2	39.3 70 PA Method	155 130			Qual
Diesel Range Organics (DRO) Surr: DNOP  Sample ID: 2110B72-013Al	48 4.8 <b>MSD</b> SampT	10 Type: <b>M</b> \$	49.75 4.975 <b>6D</b> 556	0 Tes	96.8 96.2 tCode: <b>El</b>	39.3 70 PA Method 2354	155 130	esel Range		Qual
Diesel Range Organics (DRO) Surr: DNOP  Sample ID: 2110B72-013Al Client ID: S-15	48 4.8 MSD SampT Batch	10 Type: <b>M</b> \$	49.75 4.975 6D 556 0/26/2021	0 Tes	96.8 96.2 tCode: <b>EF</b> RunNo: <b>8</b> ; SeqNo: <b>2</b> 9	39.3 70 PA Method 2354	155 130 <b>8015M/D: Di</b> e	esel Range		Qual
Diesel Range Organics (DRO) Surr: DNOP  Sample ID: 2110B72-013Al Client ID: S-15 Prep Date: 10/26/2021	48 4.8 MSD SampT Batch Analysis D	10 Type: <b>MS</b> n ID: <b>63</b> Pate: <b>10</b>	49.75 4.975 6D 556 0/26/2021	0 Tes F	96.8 96.2 tCode: <b>EF</b> RunNo: <b>8</b> ; SeqNo: <b>2</b> 9	39.3 70 PA Method 2354 920788	155 130 <b>8015M/D: Die</b> Units: <b>mg/k</b>	esel Rango	e Organics	
Diesel Range Organics (DRO) Surr: DNOP  Sample ID: 2110B72-013Al Client ID: S-15 Prep Date: 10/26/2021 Analyte	48 4.8 MSD SampT Batch Analysis D Result	10 Type: <b>MS</b> ID: <b>63</b> Pate: <b>10</b>	49.75 4.975 6D 556 0/26/2021 SPK value	0 Tes F S SPK Ref Val	96.8 96.2 tCode: <b>EI</b> RunNo: <b>8</b> ; SeqNo: <b>2</b> !	39.3 70 PA Method 2354 920788 LowLimit	155 130 <b>8015M/D: Did</b> Units: <b>mg/K</b> HighLimit	esel Rango (g %RPD	e Organics RPDLimit	
Diesel Range Organics (DRO) Surr: DNOP  Sample ID: 2110B72-013Al Client ID: S-15 Prep Date: 10/26/2021 Analyte Diesel Range Organics (DRO)	48 4.8 MSD SampT Batch Analysis D Result 48 4.8	10 Type: <b>MS</b> ID: <b>63</b> Pate: <b>10</b>	49.75 4.975 6D 556 0/26/2021 SPK value 49.21 4.921	0 Tes F S SPK Ref Val 0	96.8 96.2 tCode: El RunNo: 8: SeqNo: 2: %REC 98.2 97.9	39.3 70 PA Method 2354 920788 LowLimit 39.3 70	155 130 <b>8015M/D: Did</b> Units: <b>mg/k</b> HighLimit	esel Rango Kg %RPD 0.320 0	RPDLimit 23.4	
Diesel Range Organics (DRO) Surr: DNOP  Sample ID: 2110B72-013Al Client ID: S-15 Prep Date: 10/26/2021 Analyte Diesel Range Organics (DRO) Surr: DNOP	48 4.8  MSD SampT Batch Analysis D Result 48 4.8  SampT	10  Type: MS  To ID: 63:  PQL  9.8	49.75 4.975 <b>6D</b> <b>556</b> <b>9/26/2021</b> SPK value 49.21 4.921	Tes  F  S  SPK Ref Val  0	96.8 96.2 tCode: El RunNo: 8: SeqNo: 2: %REC 98.2 97.9	39.3 70 PA Method 2354 920788 LowLimit 39.3 70	155 130 <b>8015M/D: Did</b> Units: <b>mg/k</b> HighLimit 155 130	esel Rango Kg %RPD 0.320 0	RPDLimit 23.4	
Diesel Range Organics (DRO) Surr: DNOP  Sample ID: 2110B72-013Al Client ID: S-15 Prep Date: 10/26/2021 Analyte Diesel Range Organics (DRO) Surr: DNOP  Sample ID: LCS-63556	48 4.8  MSD SampT Batch Analysis D Result 48 4.8  SampT	10  Type: MS  Table: 63:  PQL  9.8  Type: LC	49.75 4.975 556 5/26/2021 SPK value 49.21 4.921	0 Tes F SPK Ref Val 0 Tes	96.8 96.2 tCode: El RunNo: 8: SeqNo: 2: %REC 98.2 97.9	39.3 70 PA Method 2354 920788 LowLimit 39.3 70 PA Method 2354	155 130 <b>8015M/D: Did</b> Units: <b>mg/k</b> HighLimit 155 130	esel Rango %RPD 0.320 0	RPDLimit 23.4	
Diesel Range Organics (DRO) Surr: DNOP  Sample ID: 2110B72-013AI Client ID: S-15 Prep Date: 10/26/2021 Analyte Diesel Range Organics (DRO) Surr: DNOP  Sample ID: LCS-63556 Client ID: LCSS Prep Date: 10/26/2021 Analyte	48 4.8  MSD SampT Batch Analysis D Result 48 4.8  SampT Batch	10  Type: MS  Table: 63:  PQL  9.8  Type: LC	49.75 4.975 556 5726/2021 SPK value 49.21 4.921 SS 556 556	0 Tes F SPK Ref Val 0 Tes	96.8 96.2 tCode: El RunNo: 8: SeqNo: 29 %REC 98.2 97.9 tCode: El RunNo: 8: SeqNo: 29	39.3 70 PA Method 2354 920788 LowLimit 39.3 70 PA Method 2354	155 130 8015M/D: Did Units: mg/k HighLimit 155 130 8015M/D: Did	esel Rango %RPD 0.320 0	RPDLimit 23.4	
Diesel Range Organics (DRO) Surr: DNOP  Sample ID: 2110B72-013AI Client ID: S-15 Prep Date: 10/26/2021 Analyte Diesel Range Organics (DRO) Surr: DNOP  Sample ID: LCS-63556 Client ID: LCSS Prep Date: 10/26/2021	48 4.8  MSD SampT Batch Analysis D Result 48 4.8  SampT Batch Analysis D	10  Type: MS  Table: 633  PQL  9.8  Type: LC  Type: LC  Type: LC  Type: LC  Type: LC  Type: LC  Type: LC  Type: LC	49.75 4.975 556 5726/2021 SPK value 49.21 4.921 SS 556 556	0 Tes F SPK Ref Val 0 Tes	96.8 96.2 tCode: El RunNo: 8: SeqNo: 29 %REC 98.2 97.9 tCode: El RunNo: 8: SeqNo: 29	39.3 70 PA Method 2354 920788 LowLimit 39.3 70 PA Method 2354 920789	155 130 8015M/D: Did Units: mg/K HighLimit 155 130 8015M/D: Did	esel Rango %RPD 0.320 0 esel Rango	RPDLimit 23.4 0 e Organics	Qual

#### Qualifiers:

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

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

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#### Hall Environmental Analysis Laboratory, Inc.

WO#: **2110B72** *02-Nov-21* 

Client: ENSOLUM
Project: Douthit Federal 6

Sample ID: MB-63556 SampType: MBLK TestCode: EPA Method 8015M/D: Diesel Range Organics

Client ID: **PBS** Batch ID: **63556** RunNo: **82354** 

Prep Date: 10/26/2021 Analysis Date: 10/26/2021 SeqNo: 2920790 Units: mg/Kg

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Diesel Range Organics (DRO) ND 10

Motor Oil Range Organics (MRO) ND 50

Surr: DNOP 9.7 10.00 96.6 70 130

#### Qualifiers:

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

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

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#### Hall Environmental Analysis Laboratory, Inc.

WO#: **2110B72** 

02-Nov-21

Client: ENSOLUM
Project: Douthit Federal 6

Sample ID: mb SampType: MBLK TestCode: EPA Method 8015D: Gasoline Range

Client ID: PBS Batch ID: G82361 RunNo: 82361

Prep Date: Analysis Date: 10/26/2021 SeqNo: 2921248 Units: mg/Kg

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Gasoline Range Organics (GRO) ND 5.0

Surr: BFB 1000 1000 105 70 130

Sample ID: 2.5ug gro Ics SampType: LCS TestCode: EPA Method 8015D: Gasoline Range

Client ID: LCSS Batch ID: G82361 RunNo: 82361

Prep Date: Analysis Date: 10/26/2021 SeqNo: 2921249 Units: mg/Kg

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Gasoline Range Organics (GRO) 28 5.0 25.00 O 113 78.6 131

Surr: BFB 1200 1000 115 70 130

Sample ID: 2110b72-001ams SampType: MS TestCode: EPA Method 8015D: Gasoline Range

Client ID: S-3 Batch ID: G82361 RunNo: 82361

Prep Date: Analysis Date: 10/26/2021 SeqNo: 2921250 Units: mg/Kg

Result PQL SPK value SPK Ref Val %REC HighLimit %RPD **RPDLimit** Analyte LowLimit Qual Gasoline Range Organics (GRO) 18 3.5 17.49 0 103 61.3 114

 Gasoline Range Organics (GRO)
 18
 3.5
 17.49
 0
 103
 61.3
 114

 Surr: BFB
 790
 699.8
 112
 70
 130

Sample ID: 2110b72-001amsd SampType: MSD TestCode: EPA Method 8015D: Gasoline Range

Client ID: **\$-3** Batch ID: **G82361** RunNo: **82361** 

Prep Date: Analysis Date: 10/26/2021 SeqNo: 2921251 Units: mq/Kq

Result SPK value SPK Ref Val %REC HighLimit %RPD **RPDLimit** Analyte PQL LowLimit Qual Gasoline Range Organics (GRO) 21 3.5 17.49 123 61.3 17.8 S 114 20 Surr: BFB 790 699.8 112 70 130 0 0

#### Qualifiers:

Value exceeds Maximum Contaminant Level

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank

E Value above quantitation range

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 17 of 18

#### Hall Environmental Analysis Laboratory, Inc.

WO#: **2110B72** 

02-Nov-21

Client: ENSOLUM
Project: Douthit Federal 6

Sample ID: mb SampType: MBLK TestCode: EPA Method 8021B: Volatiles

Client ID: PBS Batch ID: B82361 RunNo: 82361

Prep Date: Analysis Date: 10/26/2021 SeqNo: 2921279 Units: mg/Kg

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Benzene ND 0.025

 Toluene
 ND
 0.050

 Ethylbenzene
 ND
 0.050

 Xylenes, Total
 ND
 0.10

Surr: 4-Bromofluorobenzene 0.86 1.000 85.9 70 130

Sample ID: 100ng btex Ics SampType: LCS TestCode: EPA Method 8021B: Volatiles

Client ID: LCSS Batch ID: B82361 RunNo: 82361

Prep Date: Analysis Date: 10/26/2021 SeqNo: 2921280 Units: mg/Kg Analyte PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual 0.91 0.025 1.000 O 91.0 80 120 Benzene Toluene 0.93 0.050 1.000 0 93.5 80 120 Ethylbenzene 0.050 0 92.9 80 120 0.93 1.000 2.7 0.10 3.000 0 91.1 80 120 Xylenes, Total Surr: 4-Bromofluorobenzene 0.85 1.000 84.8 70 130

Sample ID: 2110b72-002ams	Sampl	уре: МS	3	Tes	tCode: El	iles				
Client ID: S-4	Batc	n ID: <b>B8</b>	2361	F	RunNo: 8	2361				
Prep Date:	Analysis [	Date: 10	)/26/2021	S	SeqNo: 29	921281	Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.51	0.015	0.5928	0	85.4	80	120			
Toluene	0.53	0.030	0.5928	0	88.8	80	120			
Ethylbenzene	0.52	0.030	0.5928	0	87.3	80	120			
Xylenes, Total	1.5	0.059	1.778	0	85.6	80	120			
Surr: 4-Bromofluorobenzene	0.49		0.5928		82.6	70	130			

#### Qualifiers:

Value exceeds Maximum Contaminant Level

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank

E Value above quantitation range

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

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Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109

TEL: 505-345-3975 FAX: 505-345-4107 Website: clients.hallenvironmental.com

## Sample Log-In Check List

Client Name:	ENSOLUM	1	Work	Order Num	ber: 211	0B72			RcptNo: 1		
Received By:	Cheyenne	e Cason	10/26/2	021 7:15:00	) AM		Chul	,			
Completed By:	Desiree D	ominguez	10/26/2	021 8:21:56	6 AM		Chul				
Reviewed By:	gr 10	126/21						2.			
Chain of Cu	stody										
1. Is Chain of 0	Custody comp	lete?			Yes	<b>V</b>	No [	Not Pre	esent 🗌		
2. How was the	e sample deliv	vered?			Cou	rier					
<u>Log In</u>											
3. Was an atter	mpt made to	cool the samples	?		Yes	<b>✓</b>	No 🗆		NA 🗌		
4. Were all sam	nples received	l at a temperatur	e of >0°C	to 6.0°C	Yes	<b>V</b>	No [		NA 🗌	el.	
5. Sample(s) in	proper conta	iner(s)?			Yes	<b>V</b>	No 🗆				
6. Sufficient sar	mple volume f	or indicated test	(s)?		Yes	<b>V</b>	No 🗆	]			
7. Are samples	(except VOA	and ONG) prope	erly preserve	ed?	Yes	<b>V</b>	No 🗆	]			
8. Was preserva	ative added to	bottles?			Yes		No 🗸	]	NA 🗌		
9. Received at I	east 1 vial wit	h headspace <1	/4" for AQ V	OA?	Yes		No 🗆	]	NA 🗸		
10. Were any sa	imple containe	ers received brol	ken?		Yes		No 🗸	•			
								# of prese bottles che			
11. Does paperw					Yes	<b>V</b>	No 🗆	for pH:	eckeu		
		ain of custody)								·12 unless noted)	
2. Are matrices			of Custody?		Yes	<b>V</b>	No L		isted?		
3. Is it clear wha					Yes	<b>V</b>	No L				
14. Were all hold (If no, notify o	ling times able customer for a				Yes	<b>V</b>	No L	Chec	cked by:	16 10/26/21	
Special Hand	lling (if app	olicable)									
15. Was client n			n this order?	7	Yes		No [		NA 🗸		
Person	Notified:		-	Date			MANAGEMENT NAMED OF STREET	ene"			
By Wh	om:			Via:	☐ eM	ail 🗆	Phone F	ax In Perso	on		
Regard	ding:					necessors and			wednesday.		
Client I	Instructions:				and the state of the state of				and constraint they		
16. Additional re	emarks:										
17. Cooler Info	rmation										
Cooler No	The state of the s	Condition	Seal Intact	Seal No	Seal D	ate	Signed By				
1	4.6	Good					3				
2	5.3	Good									

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Client.	F156)	um, L	lC	☐ Standard	Rush	100%	] [												TO	
				Project Name		. /					ww	v.hal	lenv	ironi	men	tal.co	om			E
Mailing	Address	10005	Pio Grande Suite A	Douth	it Federa	116		49	01 H									109		: 4/1
		M 8=		Project #: S	eenozes		4901 Hawkins NE - Albuquerque, NM 87109  Tel. 505-345-3975 Fax 505-345-4107					4/20								
Phone 7	- (	111 6	7 (10	1				1	31. 00			DESCRIPTION OF THE PERSON NAMED IN	00 0 to 100 to 1	MANUFACTURE.	Taxable Service	uest	ALCOHOLD IN	196		
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	Package:			1			TMB's (8021)	MR	PCB's		NS.					oser		-		31:00 AA
□ Stan	dard		☐ Level 4 (Full Validation)					00			OSIN		PO <sub>4</sub> ,			ıt/Al				
Accredi	tation:	☐ Az Cor	mpliance	Sampler: 2	ampler: Boelchilly				Pesticides/8082	£	8270SIMS	- 1	NO <sub>2</sub> ,			esei				
□ NEL		☐ Other_		On Ice:		⊅ No	1+	RO	es/8	504	or (	<u>s</u>			OA)	(Pr		8		
□ EDD	(Type) <sub>-</sub> I	T		# of Coolers:	2 4.6-	-0=4.6 3-0=5.3 (°C)	Ē	D)(G	licid	poq	by 8310	8 Metals	NO <sub>3</sub> ,	F	N-in	orm	Chloride			
				Cooler Terrip	(including CF). 5.	(6)	7	015	Pest	Met	by 8	181	Br,	8	(Ser	Colif	Jac			
Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	2110B72	BTEX/-MTBE	TPH:8015D(GRO / DRO / MRO)	8081	EDB (Method 504.1)	PAHs	RCRA	CI, F,	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)	Ch			
10/25/21	1305	S	5-3	1x 402 Jar	cool	-001	X	X									X			
10 25 21		S	5-4	1x 402 Jor	(00)	-002	X	X									X			
10/25/21	1315	5	8-5	1x462 For	2001	-003	X	X									X			
10/25/21	1320	S	8-6	1x YEZ Jor	C067	-004	X	X									X			
10/25/21	1325	S	S-7	1x402 Jar	2007	-005	X	X									X			
10/25/21	1330	5	S-8	1 x Yoz Jar	0001	-006	X	X		11							X			
10/25/21	1335	5	S-9	1x 4oztar	(00)	-007	X	X									X			
10/25/21	1340	S	S-10	1x Yoz Jar	C007	-008	X	X					11				X			
10/25/21	1345	5	S-11	1x 402 Jar		-009	X	X									X			
10/25/21	1350	5	S-12	1x 402 Jar	0001	-010	X	X							li .		X			
10/25/21	1355	S	S-13	1x46250	(00)	_011	X	X							lije		X			
1425/21	1400	5	5-14	1×402Jer	1001	-012	X	X									X			
Date: 10)75/21	Time:	Relinquishe	d by:	Received by:	Via:	Date Time	Rer	marks ME	s: Df	ZV)		P	M	(Ta	ml	000	) - E	=P20	0)	7
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10/25/21	1936	130 Received by: Via: Date Time Non AFE N 55008								Page 98 of										
ı	f necessary,	, samples subr	nitted to Hall Environmental may be subo	contracted to other a	ccredited laboratorie	es. This serves as notice of this	t s poss	ibility.	Any su	b-con	tracted	d data	will be	clearl	ly nota	ted on	the an	alytical	report.	143

Released to Imaging: 4/22/2022 3:19:56 PM

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email o	or Fax#:	KSUMM	resservation, com	Project Mana	ager: Ksun	nes	=	(Q)					SO <sub>4</sub>	T		E)			T	31:6
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				COOLET TETTIP	(including CF). J. J	5-0-5,5		015	Pest	Met	β	8	Ä,	<u>۱</u>	Ser	) jij	Jar			
Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 2110B72	BTEX /	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082	EDB (Method 504.1)	PAHs by 8310 or	RCRA 8 Metals	Cl, F,	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)	Chlorid			
14/25/21	1405	S	8-15	1×462 Jer		-013	X	¥	- 80		-	<u>m</u>	9	80	8	F	/	+	+	++
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If	necessary,	samples subr	mitted to Hall Environmental may be subco	entracted to other ac	credited laboratories	s. This serves as notice of th	s possib	ility. A	ny sub	-contra	cted d	ata wil	l be cle	arly n	otateo	d on th	ne anal	ytical re	port.	3



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

November 05, 2021

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

FAX:

RE: Douthit Federal 6 OrderNo.: 2111125

#### Dear Kyle Summers:

Hall Environmental Analysis Laboratory received 23 sample(s) on 11/3/2021 for the analyses presented in the following report.

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

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

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

Sincerely,

Andy Freeman

Laboratory Manager

andyl

4901 Hawkins NE

Albuquerque, NM 87109

Lab Order **2111125** 

Date Reported: 11/5/2021

### Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM Client Sample ID: S-16

 Project:
 Douthit Federal 6
 Collection Date: 11/2/2021 10:05:00 AM

 Lab ID:
 2111125-001
 Matrix: MEOH (SOIL)
 Received Date: 11/3/2021 7:10:00 AM

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

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

Qualifiers:

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

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Lab Order **2111125** 

Date Reported: 11/5/2021

### Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM Client Sample ID: S-17

 Project:
 Douthit Federal 6
 Collection Date: 11/2/2021 10:10:00 AM

 Lab ID:
 2111125-002
 Matrix: MEOH (SOIL)
 Received Date: 11/3/2021 7:10:00 AM

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

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

Qualifiers:

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

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Lab Order **2111125** 

Date Reported: 11/5/2021

### Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM Client Sample ID: S-18

 Project:
 Douthit Federal 6
 Collection Date: 11/2/2021 10:15:00 AM

 Lab ID:
 2111125-003
 Matrix: MEOH (SOIL)
 Received Date: 11/3/2021 7:10:00 AM

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

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

Qualifiers:

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

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Lab Order **2111125** 

Date Reported: 11/5/2021

### Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM Client Sample ID: S-19

 Project:
 Douthit Federal 6
 Collection Date: 11/2/2021 10:20:00 AM

 Lab ID:
 2111125-004
 Matrix: MEOH (SOIL)
 Received Date: 11/3/2021 7:10:00 AM

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

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

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

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Lab Order **2111125** 

Date Reported: 11/5/2021

### Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM Client Sample ID: S-20

 Project:
 Douthit Federal 6
 Collection Date: 11/2/2021 10:25:00 AM

 Lab ID:
 2111125-005
 Matrix: MEOH (SOIL)
 Received Date: 11/3/2021 7:10:00 AM

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

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

Qualifiers:

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

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Lab Order **2111125** 

Date Reported: 11/5/2021

### Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM Client Sample ID: S-21

 Project:
 Douthit Federal 6
 Collection Date: 11/2/2021 10:30:00 AM

 Lab ID:
 2111125-006
 Matrix: MEOH (SOIL)
 Received Date: 11/3/2021 7:10:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed Ba	atch
EPA METHOD 300.0: ANIONS					Analyst: <b>JN</b>	ΛT
Chloride	ND	60	mg/Kg	20	11/3/2021 11:37:10 AM 63	727
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst: SE	3
Diesel Range Organics (DRO)	ND	9.3	mg/Kg	1	11/3/2021 11:58:48 AM 63	3724
Motor Oil Range Organics (MRO)	ND	46	mg/Kg	1	11/3/2021 11:58:48 AM 63	3724
Surr: DNOP	84.6	70-130	%Rec	1	11/3/2021 11:58:48 AM 63	3724
EPA METHOD 8015D: GASOLINE RANGE					Analyst: mb	b
Gasoline Range Organics (GRO)	ND	18	mg/Kg	5	11/3/2021 10:59:00 AM R8	32537
Surr: BFB	125	70-130	%Rec	5	11/3/2021 10:59:00 AM R8	32537
EPA METHOD 8021B: VOLATILES					Analyst: mb	b
Benzene	ND	0.091	mg/Kg	5	11/3/2021 10:59:00 AM R8	32537
Toluene	ND	0.18	mg/Kg	5	11/3/2021 10:59:00 AM R8	32537
Ethylbenzene	ND	0.18	mg/Kg	5	11/3/2021 10:59:00 AM R8	32537
Xylenes, Total	1.3	0.36	mg/Kg	5	11/3/2021 10:59:00 AM R8	32537
Surr: 4-Bromofluorobenzene	106	70-130	%Rec	5	11/3/2021 10:59:00 AM R8	32537

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

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

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Lab Order **2111125** 

Date Reported: 11/5/2021

#### Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM Client Sample ID: S-22

 Project:
 Douthit Federal 6
 Collection Date: 11/2/2021 10:35:00 AM

 Lab ID:
 2111125-007
 Matrix: MEOH (SOIL)
 Received Date: 11/3/2021 7:10:00 AM

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

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

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

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Lab Order **2111125** 

Date Reported: 11/5/2021

### Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM Client Sample ID: S-23

 Project:
 Douthit Federal 6
 Collection Date: 11/2/2021 10:40:00 AM

 Lab ID:
 2111125-008
 Matrix: MEOH (SOIL)
 Received Date: 11/3/2021 7:10:00 AM

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

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

Qualifiers:

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

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Lab Order **2111125** 

Date Reported: 11/5/2021

# Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM Client Sample ID: S-24

 Project:
 Douthit Federal 6
 Collection Date: 11/2/2021 10:45:00 AM

 Lab ID:
 2111125-009
 Matrix: MEOH (SOIL)
 Received Date: 11/3/2021 7:10:00 AM

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

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

Qualifiers:

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

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Lab Order **2111125** 

Date Reported: 11/5/2021

# Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM Client Sample ID: S-25

 Project:
 Douthit Federal 6
 Collection Date: 11/2/2021 10:50:00 AM

 Lab ID:
 2111125-010
 Matrix: MEOH (SOIL)
 Received Date: 11/3/2021 7:10:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed H	Batch
EPA METHOD 300.0: ANIONS					Analyst:	JMT
Chloride	ND	60	mg/Kg	20	11/3/2021 12:51:38 PM 6	63727
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst: \$	SB
Diesel Range Organics (DRO)	ND	9.6	mg/Kg	1	11/3/2021 12:49:54 PM 6	63724
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	11/3/2021 12:49:54 PM 6	63724
Surr: DNOP	84.7	70-130	%Rec	1	11/3/2021 12:49:54 PM 6	63724
EPA METHOD 8015D: GASOLINE RANGE					Analyst: r	mb
Gasoline Range Organics (GRO)	ND	19	mg/Kg	5	11/3/2021 12:37:00 PM	R82537
Surr: BFB	103	70-130	%Rec	5	11/3/2021 12:37:00 PM	R82537
EPA METHOD 8021B: VOLATILES					Analyst: r	mb
Benzene	ND	0.096	mg/Kg	5	11/3/2021 12:37:00 PM	R82537
Toluene	ND	0.19	mg/Kg	5	11/3/2021 12:37:00 PM	R82537
Ethylbenzene	ND	0.19	mg/Kg	5	11/3/2021 12:37:00 PM	R82537
Xylenes, Total	ND	0.38	mg/Kg	5	11/3/2021 12:37:00 PM	R82537
Surr: 4-Bromofluorobenzene	109	70-130	%Rec	5	11/3/2021 12:37:00 PM F	R82537

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

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

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Surr: 4-Bromofluorobenzene

### **Analytical Report**

Lab Order **2111125** 

Date Reported: 11/5/2021

11/3/2021 12:56:00 PM R82537

### Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM Client Sample ID: S-26

 Project:
 Douthit Federal 6
 Collection Date: 11/2/2021 10:55:00 AM

 Lab ID:
 2111125-011
 Matrix: MEOH (SOIL)
 Received Date: 11/3/2021 7:10:00 AM

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

108

70-130

%Rec

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

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

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Lab Order **2111125** 

Date Reported: 11/5/2021

# Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM Client Sample ID: S-27

**Project:** Douthit Federal 6 Collection Date: 11/2/2021 11:00:00 AM

**Lab ID:** 2111125-012 **Matrix:** MEOH (SOIL) **Received Date:** 11/3/2021 7:10:00 AM

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

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

Qualifiers:

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

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Lab Order **2111125** 

Date Reported: 11/5/2021

### Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM Client Sample ID: S-28

 Project:
 Douthit Federal 6
 Collection Date: 11/2/2021 11:05:00 AM

 Lab ID:
 2111125-013
 Matrix: MEOH (SOIL)
 Received Date: 11/3/2021 7:10:00 AM

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

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

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

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Lab Order **2111125** 

Date Reported: 11/5/2021

# Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM Client Sample ID: S-29

**Project:** Douthit Federal 6 Collection Date: 11/2/2021 11:10:00 AM

**Lab ID:** 2111125-014 **Matrix:** MEOH (SOIL) **Received Date:** 11/3/2021 7:10:00 AM

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

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

Qualifiers:

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

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Lab Order **2111125** 

Date Reported: 11/5/2021

# Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM Client Sample ID: S-30

**Project:** Douthit Federal 6 Collection Date: 11/2/2021 11:15:00 AM

**Lab ID:** 2111125-015 **Matrix:** MEOH (SOIL) **Received Date:** 11/3/2021 7:10:00 AM

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

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

Qualifiers:

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

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Lab Order **2111125** 

Date Reported: 11/5/2021

# Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM Client Sample ID: S-31

 Project:
 Douthit Federal 6
 Collection Date: 11/2/2021 11:20:00 AM

 Lab ID:
 2111125-016
 Matrix: MEOH (SOIL)
 Received Date: 11/3/2021 7:10:00 AM

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

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

Qualifiers:

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

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Lab Order **2111125** 

Date Reported: 11/5/2021

# Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM Client Sample ID: S-32

 Project:
 Douthit Federal 6
 Collection Date: 11/2/2021 11:25:00 AM

 Lab ID:
 2111125-017
 Matrix: MEOH (SOIL)
 Received Date: 11/3/2021 7:10:00 AM

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

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

Qualifiers:

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

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Lab Order **2111125** 

Date Reported: 11/5/2021

# Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM Client Sample ID: S-33

 Project:
 Douthit Federal 6
 Collection Date: 11/2/2021 11:30:00 AM

 Lab ID:
 2111125-018
 Matrix: MEOH (SOIL)
 Received Date: 11/3/2021 7:10:00 AM

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

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

Qualifiers:

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

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Lab Order **2111125** 

Date Reported: 11/5/2021

# Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM Client Sample ID: S-34

 Project:
 Douthit Federal 6
 Collection Date: 11/2/2021 11:35:00 AM

 Lab ID:
 2111125-019
 Matrix: MEOH (SOIL)
 Received Date: 11/3/2021 7:10:00 AM

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

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

Qualifiers:

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

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Lab Order **2111125** 

Date Reported: 11/5/2021

# Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM Client Sample ID: S-35

 Project:
 Douthit Federal 6
 Collection Date: 11/2/2021 11:40:00 AM

 Lab ID:
 2111125-020
 Matrix: MEOH (SOIL)
 Received Date: 11/3/2021 7:10:00 AM

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

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

Qualifiers:

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

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Lab Order **2111125** 

Date Reported: 11/5/2021

# Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM Client Sample ID: S-36

**Project:** Douthit Federal 6 Collection Date: 11/2/2021 11:45:00 AM

**Lab ID:** 2111125-021 **Matrix:** MEOH (SOIL) **Received Date:** 11/3/2021 7:10:00 AM

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

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

Qualifiers:

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

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Lab Order **2111125** 

Date Reported: 11/5/2021

# Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM Client Sample ID: S-37

**Project:** Douthit Federal 6 Collection Date: 11/2/2021 11:50:00 AM

**Lab ID:** 2111125-022 **Matrix:** MEOH (SOIL) **Received Date:** 11/3/2021 7:10:00 AM

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

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

Qualifiers:

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

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Lab Order **2111125** 

Date Reported: 11/5/2021

# Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM Client Sample ID: S-38

 Project:
 Douthit Federal 6
 Collection Date: 11/2/2021 11:55:00 AM

 Lab ID:
 2111125-023
 Matrix: MEOH (SOIL)
 Received Date: 11/3/2021 7:10:00 AM

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

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

Qualifiers:

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

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### Hall Environmental Analysis Laboratory, Inc.

WO#: **2111125** 

05-Nov-21

Client: ENSOLUM
Project: Douthit Federal 6

Sample ID: MB-63727 SampType: mblk TestCode: EPA Method 300.0: Anions

Client ID: PBS Batch ID: 63727 RunNo: 82554

Prep Date: 11/3/2021 Analysis Date: 11/3/2021 SeqNo: 2930747 Units: mg/Kg

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Chloride ND 1.5

Sample ID: LCS-63727 SampType: Ics TestCode: EPA Method 300.0: Anions

Client ID: LCSS Batch ID: 63727 RunNo: 82554

Prep Date: 11/3/2021 Analysis Date: 11/3/2021 SeqNo: 2930748 Units: mg/Kg

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Chloride 14 1.5 15.00 0 91.5 90 110

Sample ID: MB-63727 SampType: mblk TestCode: EPA Method 300.0: Anions

Client ID: PBS Batch ID: 63727 RunNo: 82555

Prep Date: 11/3/2021 Analysis Date: 11/3/2021 SeqNo: 2931033 Units: mg/Kg

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Chloride ND 1.5

Sample ID: LCS-63727 SampType: Ics TestCode: EPA Method 300.0: Anions

Client ID: LCSS Batch ID: 63727 RunNo: 82555

Prep Date: 11/3/2021 Analysis Date: 11/3/2021 SeqNo: 2931034 Units: mg/Kg

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Chloride 14 1.5 15.00 0 93.7 90 110

Sample ID: MB-63728 SampType: mblk TestCode: EPA Method 300.0: Anions

Client ID: PBS Batch ID: 63728 RunNo: 82555

Prep Date: 11/3/2021 Analysis Date: 11/3/2021 SeqNo: 2931035 Units: mg/Kg

The Bate. Thousand Bate. Thousand

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Chloride ND 1.5

Sample ID: LCS-63728 SampType: Ics TestCode: EPA Method 300.0: Anions

Client ID: LCSS Batch ID: 63728 RunNo: 82555

Prep Date: 11/3/2021 Analysis Date: 11/3/2021 SeqNo: 2931036 Units: mg/Kg

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Chloride 14 1.5 15.00 0 91.9 90 110

#### Qualifiers:

\* Value exceeds Maximum Contaminant Level

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

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

B Analyte detected in the associated Method Blank

E Value above quantitation range

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

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# Hall Environmental Analysis Laboratory, Inc.

59

3.5

9.6

WO#: 2111125

05-Nov-21

**Client: ENSOLUM Project:** Douthit Federal 6

Sample ID: MB-63724	SampType: ME	Tes	tCode: <b>EF</b>	PA Method	8015M/D: Die	esel Rang	e Organics		
Client ID: PBS	Batch ID: 63	724	F	RunNo: 82	2541				
Prep Date: 11/3/2021	Analysis Date: 11	1/3/2021	S	SeqNo: 29	929752	Units: mg/K	(g		
Analyte	Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND 10								
Motor Oil Range Organics (MRO)	ND 50								
Surr: DNOP	8.3	10.00		83.1	70	130			
Sample ID: LCS-63724	SampType: <b>LC</b>	s	Tes	tCode: <b>EF</b>	PA Method	8015M/D: Die	esel Rang	e Organics	
Client ID: LCSS	Batch ID: 63	724	F	RunNo: 82	2541				
Prep Date: 11/3/2021	Analysis Date: 1	1/3/2021	S	SeqNo: 29	929753	Units: mg/K	(g		
Analyte	Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	45 10	50.00	0	89.2	68.9	135			
Surr: DNOP	4.2	5.000		83.7	70	130			
Sample ID: 2111125-001AMS	SampType: MS	S	Tes	tCode: <b>EF</b>	PA Method	8015M/D: Die	esel Rang	e Organics	
Client ID: S-16	Batch ID: 63	724	F	RunNo: 82	2541				
Prep Date: 11/3/2021	Analysis Date: 11	1/3/2021	S	SeqNo: 29	929986	Units: mg/K	(g		
Analyte	Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Sample ID: 2111125-001AMSE	<b>S</b> ampT	ype: MS	SD	Test	Code: El	PA Method	8015M/D: Die	esel Range	e Organics	
Client ID: S-16	Batch	ID: <b>63</b>	724	R	tunNo: 8	2541				
Prep Date: 11/3/2021	Analysis D	ate: 11	1/3/2021	S	eqNo: 2	929987	Units: mg/K	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	65	10	49.95	25.22	79.1	39.3	155	9.71	23.4	
Surr: DNOP	3.7		4.995		73.2	70	130	0	0	

25.22

70.1

72.6

39.3

70

155

130

47.85

4.785

Sample ID: 2111125-021AMSI	<b>)</b> SampT	ype: <b>MS</b>	SD	Tes	tCode: El	PA Method	8015M/D: Die	esel Range	e Organics	
Client ID: S-36	Batch	ID: <b>63</b>	723	F	RunNo: 8	2548				
Prep Date: 11/3/2021	Analysis D	ate: <b>1</b> 1	/3/2021	S	SeqNo: 2	930971	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	45	9.9	49.46	0	91.0	39.3	155	21.8	23.4	
Surr: DNOP	5.0		4.946		101	70	130	0	0	

#### Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit

Diesel Range Organics (DRO)

Surr: DNOP

- % Recovery outside of range due to dilution or matrix interference
- Analyte detected in the associated Method Blank
- Value above quantitation range
- Analyte detected below quantitation limits
- Sample pH Not In Range
- RL Reporting Limit

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# Hall Environmental Analysis Laboratory, Inc.

WO#: **2111125** 

05-Nov-21

Client: ENSOLUM
Project: Douthit Federal 6

Sample ID: 2111125-021AMS	SampT	SampType: MS TestCode: EPA Me						od 8015M/D: Diesel Range Organics					
Client ID: S-36	Batch	ID: <b>63</b> 7	723	R	unNo: 8	2548							
Prep Date: 11/3/2021	Analysis D	ate: 11	/3/2021	S	eqNo: 29	930972	Units: mg/K	(g					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual			
Diesel Range Organics (DRO)	36	9.1	45.29	0	79.8	39.3	155						
Surr: DNOP	4.7		4.529		103	70	130						
Sample ID: MP 62722	SamaT	vno: ME	DI IZ	Tos	Codo: El	DA Mothod	901EM/D: Di	ocal Bang	Organias				

Odifipio 15. 1115-03723	Campi	Gamp Type: WIBER			restorde. El A Method 6013M/D. Diesel Kange Organies					
Client ID: PBS	Batch	ID: <b>63</b> 7	723	R	RunNo: 8	2548				
Prep Date: 11/3/2021	Analysis D	ate: 11	/3/2021	S	SeqNo: 29	930977	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	9.5		10.00		94.5	70	130			

Sample ID: LCS-63723	SampT	ype: <b>LC</b>	S	TestCode: EPA Method 8015M/D: Diesel Range Organics						
Client ID: LCSS	Batch	ID: <b>63</b> 7	723	F	RunNo: 8	2548				
Prep Date: 11/3/2021	Analysis D	ate: 11	/3/2021	8	SeqNo: 2	930978	Units: mg/K	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	45	10	50.00	0	89.6	68.9	135			
Surr: DNOP	4.4		5.000		88.9	70	130			

#### Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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# Hall Environmental Analysis Laboratory, Inc.

WO#: **2111125** 

05-Nov-21

Client:	ENSOLUM
Project:	Douthit Federal 6

Cilient ID:   PBS	Doddint 1	cuciai 0									
Prep Date:	Sample ID: mb-water	SampT	ype: <b>ME</b>	BLK	Tes	tCode: E	PA Method	8015D: Gaso	oline Rang	е	
Analyte	Client ID: PBS	Batch	1D: <b>R8</b>	2537	F	RunNo: 8	2537				
Sample ID: 2.5ug gro Ics   SampType: LCS   TestCode: EPA Method 8015D: Gasoline Range Criganics (GRO)   Samp Id ID: 1.000   Set SampType: LCS   TestCode: EPA Method 8015D: Gasoline Range Criganics (GRO)   Set SampType: LCS   TestCode: EPA Method 8015D: Gasoline Range Criganics (GRO)   Set SampType: LCS   Set Not Set SampType: LCS   Set Not Set SampType: LCS   Set Not Set SampType: MBLK   TestCode: EPA Method 8015D: Gasoline Range Criganics (GRO)   Set Set Set Set Set Set Set Set Set Set	Prep Date:	Analysis D	ate: 11	1/3/2021	5	SeqNo: 2	929521	Units: mg/k	<b>(</b> g		
Surr. BFB   970   1000   96.8   70   130	Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Client ID:   LCSS	Gasoline Range Organics (GRO)	ND	5.0								
Client ID:   LCSS	Surr: BFB	970		1000		96.8	70	130			
Prep Date   Analysis Date   11/3/2021   SeqNo: 2929522   Units: mg/Kg	Sample ID: 2.5ug gro Ics	SampT	ype: <b>LC</b>	s	Tes	tCode: E	PA Method	8015D: Gaso	oline Rang	е	
Analyse	Client ID: LCSS	Batch	1D: <b>R8</b>	2537	F	RunNo: 8	2537				
Sample   D: mb   SampType:   MBLK   TestCode:   EPA   Method   Source   EPA   Method   Source   EPA   Method   Source   EPA   Method   Source   EPA   Method   Source   EPA   Method   Source   EPA   Method   Source   EPA	Prep Date:	Analysis D	ate: 11	1/3/2021	8	SeqNo: 2	929522	Units: mg/h	<b>(</b> g		
Sumple ID: mb	Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Sample   D: mb	Gasoline Range Organics (GRO)	26	5.0		0		78.6				
Client ID: PBS	Surr: BFB	1100		1000		106	70	130			
Prep Date:         Analysis Date:         11/3/2021         SeqNo:         2930250         Units:         mg/Kg           Analyte         Result         PQL         SPK value         SPK Ref Val         %REC         LowLimit         HighLimit         %RPD         RPDLimit         Qual           Bascline Range Organics (GRO)         ND         5.0         1000         98.4         70         130         ————————————————————————————————————	Sample ID: mb	SampT	ype: <b>ME</b>	BLK	Tes	tCode: E	PA Method	8015D: Gaso	oline Rang	е	
Analyste	Client ID: PBS	Batch	1D: <b>B8</b>	2558	F	RunNo: 8	2558				
Sample   D: 2.5ug gro   LCS   SampType: LCS   TestCode: EPA Method 8015D: Gasoline Range	Prep Date:	Analysis D	ate: 11	1/3/2021	9	SeqNo: 2	930250	Units: mg/k	<b>(</b> g		
Sample   D: 2.5ug gro   LCS   SampType:   LCS   TestCode:   EPA   Method   8015D:   Gasoline   Range	Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Sample   D: 2.5ug gro   cs   SampType:   LCS   Batch   D:   B82558   RunNo:   82558   Run	Gasoline Range Organics (GRO)		5.0								
Client ID: LCSS	Surr: BFB	980		1000		98.4	70	130			
Prep Date:         Analysis Date:         11/3/2021         SeqNo:         2930251         Units:         mg/Kg           Analyte         Result         PQL         SPK value         SPK Ref Val         %REC         LowLimit         HighLimit         %RPD         RPDLimit         Qual           Basoline Range Organics (GRO)         25         5.0         25.00         0         98.2         78.6         131         130         130         130         130         130         130         130         130         130         130         130         130         130         130         130         140	Sample ID: 2.5ug gro Ics	SampT	ype: <b>LC</b>	s	Tes	tCode: E	PA Method	8015D: Gaso	oline Rang	е	
Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual sasoline Range Organics (GRO) 25 5.0 25.00 0 98.2 78.6 131 70 130 SampType: MS TestCode: EPA Method 8015D: Gasoline Range Client ID: S-34 Batch ID: B82558 RunNo: 82558  Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual Sasoline Range Organics (GRO) 16 3.3 16.47 0 96.0 61.3 114 70 130 SampType: MSD TestCode: EPA Method 8015D: Gasoline Range Client ID: 2111125-019amsd SampType: MSD TestCode: EPA Method 8015D: Gasoline Range Organics (GRO) 16 3.3 16.47 0 96.0 61.3 114 70 130 SampType: MSD TestCode: EPA Method 8015D: Gasoline Range Client ID: S-34 Batch ID: B82558 RunNo: 82558  Prep Date: Analysis Date: 11/3/2021 SeqNo: 2930261 Units: mg/Kg	Client ID: LCSS	Batch	1D: <b>B8</b>	2558	F	RunNo: 8	2558				
Sample   Discription   Samp	Prep Date:	Analysis D	ate: 11	1/3/2021	5	SeqNo: 2	930251	Units: mg/h	<b>(</b> g		
Surr: BFB         1100         1000         110         70         130           Sample ID: 2111125-019ams         SampType: MS         TestCode: EPA Method 8015D: Gasoline Range           Client ID: S-34         Batch ID: B82558         RunNo: 82558           Prep Date:         Analysis Date: 11/3/2021         SeqNo: 2930260         Units: mg/Kg           Analyte         Result         PQL         SPK value         SPK Ref Val         %REC         LowLimit         HighLimit         %RPD         RPDLimit         Qual           Assoline Range Organics (GRO)         16         3.3         16.47         0         96.0         61.3         114           Surr: BFB         740         658.8         112         70         130           Sample ID: 2111125-019amsd         SampType: MSD         TestCode: EPA Method 8015D: Gasoline Range           Client ID: S-34         Batch ID: B82558         RunNo: 82558           Prep Date:         Analysis Date: 11/3/2021         SeqNo: 2930261         Units: mg/Kg	Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Sample ID: 2111125-019ams         SampType: MS         TestCode: EPA Method 8015D: Gasoline Range           Client ID: S-34         Batch ID: B82558         RunNo: 82558           Prep Date:         Analysis Date: 11/3/2021         SeqNo: 2930260         Units: mg/Kg           Analyte         Result         PQL         SPK value         SPK Ref Val         %REC         LowLimit         HighLimit         %RPD         RPDLimit         Qual           Analysis PBB         740         658.8         112         70         130           Sample ID: 2111125-019amsd         SampType: MSD         TestCode: EPA Method 8015D: Gasoline Range           Client ID: S-34         Batch ID: B82558         RunNo: 82558           Prep Date:         Analysis Date: 11/3/2021         SeqNo: 2930261         Units: mg/Kg	Gasoline Range Organics (GRO)		5.0		0						
Client ID: S-34   Batch ID: B82558   RunNo: 82558	Surr: BFB	1100		1000		110	70	130			
Prep Date:         Analysis Date:         11/3/2021         SeqNo:         2930260         Units:         mg/Kg           Analyte         Result         PQL         SPK value         SPK Ref Val         %REC         LowLimit         HighLimit         %RPD         RPDLimit         Qual           Basoline Range Organics (GRO)         16         3.3         16.47         0         96.0         61.3         114           Surr: BFB         740         658.8         112         70         130           SampType: MSD         TestCode: EPA Method 8015D: Gasoline Range           Client ID: S-34         Batch ID: B82558         RunNo: 82558           Prep Date:         Analysis Date: 11/3/2021         SeqNo: 2930261         Units: mg/Kg	Sample ID: 2111125-019ams	SampT	ype: <b>MS</b>	6	Tes	tCode: E	PA Method	8015D: Gaso	oline Rang	е	
Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual Sasoline Range Organics (GRO) 16 3.3 16.47 0 96.0 61.3 114 Surr: BFB 740 658.8 112 70 130  Sample ID: 2111125-019amsd SampType: MSD TestCode: EPA Method 8015D: Gasoline Range Client ID: S-34 Batch ID: B82558 RunNo: 82558  Prep Date: Analysis Date: 11/3/2021 SeqNo: 2930261 Units: mg/Kg	Client ID: S-34	Batch	1D: <b>B8</b>	2558	F	RunNo: 8	2558				
Sasoline Range Organics (GRO) 16 3.3 16.47 0 96.0 61.3 114 Surr: BFB 740 658.8 112 70 130  Sample ID: 2111125-019amsd SampType: MSD TestCode: EPA Method 8015D: Gasoline Range Client ID: S-34 Batch ID: B82558 RunNo: 82558  Prep Date: Analysis Date: 11/3/2021 SeqNo: 2930261 Units: mg/Kg	Prep Date:	Analysis D	ate: 11	1/3/2021	9	SeqNo: 2	930260	Units: mg/k	<b>〈</b> g		
Surr: BFB         740         658.8         112         70         130           Sample ID: 2111125-019amsd         SampType: MSD         TestCode: EPA Method 8015D: Gasoline Range           Client ID: S-34         Batch ID: B82558         RunNo: 82558           Prep Date:         Analysis Date: 11/3/2021         SeqNo: 2930261         Units: mg/Kg	Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Sample ID: 2111125-019amsd SampType: MSD TestCode: EPA Method 8015D: Gasoline Range Client ID: S-34 Batch ID: B82558 RunNo: 82558 Prep Date: Analysis Date: 11/3/2021 SeqNo: 2930261 Units: mg/Kg	Gasoline Range Organics (GRO)		3.3		0						
Client ID:         S-34         Batch ID:         B82558         RunNo:         82558           Prep Date:         Analysis Date:         11/3/2021         SeqNo:         2930261         Units:         mg/Kg	Surr: BFB	740		658.8		112	70	130			
Prep Date: Analysis Date: 11/3/2021 SeqNo: 2930261 Units: mg/Kg	Sample ID: 2111125-019amsc	I SampT	уре: <b>М</b>	SD	Tes	tCode: E	PA Method	8015D: Gaso	oline Rang	е	
	Client ID: S-34	Batch	1D: <b>B8</b>	2558	F	RunNo: 8	2558				
Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual	Prep Date:	Analysis D	ate: 11	1/3/2021	S	SeqNo: 2	930261	Units: mg/h	<b>K</b> g		
	Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

#### Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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### Hall Environmental Analysis Laboratory, Inc.

740

4100

3800

WO#: **2111125** 

0

0

05-Nov-21

Client: ENSOLUM
Project: Douthit Federal 6

Surr: BFB

Surr: BFB

Surr: BFB

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

130

130

130

0

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

125

114

70

70

658.8

3322

3322

Sample ID: 2111125-003amsd SampType: MSD TestCode: EPA Method 8015D: Gasoline Range Client ID: S-18 Batch ID: R82537 RunNo: 82537 Prep Date: Analysis Date: 11/3/2021 SeqNo: 2930289 Units: mg/Kg %RPD **RPDLimit** Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit Qual Analyte Gasoline Range Organics (GRO) 83 17 83.06 0 100 61.3 114 9.56 20

### Qualifiers:

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

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# Hall Environmental Analysis Laboratory, Inc.

WO#: **2111125** *05-Nov-21* 

Client: ENSOLUM
Project: Douthit Federal 6

Sample ID: mb-water	SampT	SampType: MBLK TestCode: EPA Metho				PA Method	d 8021B: Volatiles					
Client ID: PBS	Batch	1D: <b>R8</b>	2537	F	RunNo: 8	2537						
Prep Date:	Analysis D	ate: 11	/3/2021	929527	Units: mg/K	(g						
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					
0 1 15 100 11			_	_								

Sample ID: 100ng btex Ics	SampType: LCS TestCode: EPA Method 8021B: Volatiles									
Client ID: LCSS	Batc	h ID: <b>R8</b>	2537	F						
Prep Date:	Analysis [	Date: 11	/3/2021	21 SeqNo: <b>2929528</b> Units: <b>mg/Kg</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.91	0.025	1.000	0	90.6	80	120			
Toluene	0.95	0.050	1.000	0	94.6	80	120			
Ethylbenzene	0.96	0.050	1.000	0	96.3	80	120			
Xylenes, Total	2.9	0.10	3.000	0	95.8	80	120			
Surr: 4-Bromofluorobenzene	0.97		1.000		97.2	70	130			

Sample ID: mb	SampT	ype: ME	BLK	Tes	tCode: El	iles				
Client ID: PBS	Batch	n ID: <b>D8</b>	2558	F	RunNo: 8	2558				
Prep Date:	Analysis D	ate: 11	/3/2021	8	SeqNo: 29	930270	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.0		1.000		99.9	70	130			

Sample ID: 100ng btex Ics	Samp	Гуре: <b>LC</b>	S	Tes	TestCode: EPA Method 8021B: Volatiles						
Client ID: LCSS	Batc	h ID: <b>D8</b>	2558	F	RunNo: <b>82558</b>						
Prep Date: Analysis Date: 11/3/2021				SeqNo: 2930271			Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Benzene	0.90	0.025	1.000	0	90.0	80	120				
Toluene	0.95	0.050	1.000	0	94.7	80	120				
Ethylbenzene	0.94	0.050	1.000	0	94.3	80	120				
Xylenes, Total	2.9	0.10	3.000	0	95.5	80	120				
Surr: 4-Bromofluorobenzene	1.0		1.000		103	70	130				

#### Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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# Hall Environmental Analysis Laboratory, Inc.

WO#: **2111125** *05-Nov-21* 

Client: ENSOLUM
Project: Douthit Federal 6

Sample ID: 2111125-020am	TestCode: EPA Method 8021B: Volatiles									
Client ID: S-35	Batc	h ID: <b>D8</b>	2558	RunNo: 82558						
Prep Date:	S	SeqNo: 2	930281	Units: mg/K						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.76	0.018	0.7321	0	104	80	120	17.3	20	
Toluene	0.80	0.037	0.7321	0	109	80	120	17.6	20	
Ethylbenzene	0.80	0.037	0.7321	0	109	80	120	17.1	20	
Xylenes, Total	2.4	0.073	2.196	0	110	80	120	18.2	20	
Surr: 4-Bromofluorobenzene	0.74		0.7321		101	70	130	0	0	

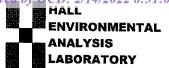
Sample ID: 2111125-002ams	<b>;</b>	TestCode: EPA Method 8021B: Volatiles								
Client ID: S-17	Batch	h ID: <b>R8</b>	2537	RunNo: <b>82537</b>						
Prep Date: Analysis Date: 11/3/2021				S	SeqNo: 2930290 Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	3.6	0.087	3.494	0.1577	99.2	80	120			
Toluene	7.7	0.17	3.494	4.817	83.1	80	120			
Ethylbenzene	7.6	0.17	3.494	4.461	88.9	80	120			
Xylenes, Total	40	0.35	10.48	31.66	75.9	80	120			S
Surr: 4-Bromofluorobenzene	4.9		3.494		140	70	130			S

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

#### Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Hall Environmental Analysis Laboratory 4901 Hawkins NE

Sample Log-In Check List Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: clients.hallenvironmental.com

Client Name:	ENSOLUM	Work Order	Number: 2111125		RcptNo:	1
Received By:	Cheyenne Cason	11/3/2021 7:1	0:00 AM	Chol		
Completed By:	Sean Livingston	11/3/2021 8:1	3:34 AM	< /		
Reviewed By:	TML	11/3/21	8:42			
Chain of Cus	stody					
1. Is Chain of C	ustody complete?		Yes 🗹	No 🗌	Not Present	
2. How was the	sample delivered?		Courier			
<u>Log In</u>						
3. Was an atten	npt made to cool the samp	oles?	Yes 🗹	No 🗌	NA 🗌	
4. Were all same	ples received at a tempera	ature of >0° C to 6.0°	C Yes 🗹	No 🗆	NA 🗀	
5. Sample(s) in	proper container(s)?		Yes 🗸	No 🗆		
6. Sufficient sam	nple volume for indicated t	est(s)?	Yes 🗹	No 🗆		
7. Are samples (	(except VOA and ONG) pr	operly preserved?	Yes 🗹	No 🗌		
8. Was preserva	tive added to bottles?		Yes 🗌	No 🗹	NA 🗆	
9. Received at le	east 1 vial with headspace	<1/4" for AQ VOA?	Yes 🗌	No 🗌	NA 🗹	
10. Were any san	mple containers received l	proken?	Yes	No 🗹		
	ork match bottle labels? ancies on chain of custody	<b>/</b> )	Yes 🗹	No 🗀	# of preserved bottles checked for pH: (<2 or:	12 unless noted)
	correctly identified on Cha		Yes 🗹	No 🗌	Adjusted?	
	t analyses were requested	1?	Yes 🗹	No 🗌		. /
	ng times able to be met? ustomer for authorization.;	1	Yes 🗸	No 🗆	Checked by: 1	C/96 11.3.21
Special Handl	ing (if applicable)					ľ
15. Was client no	tified of all discrepancies	with this order?	Yes 🗌	No 🗌	NA 🗹	
Person	Notified:	could be a second or the second of the secon	Date:			
By Who	<b>₹</b> * * * * * *		Via: 🔲 eMail 📗	Phone  Fax	☐ In Person	
Regardi	6					
	nstructions:					
16. Additional rer	marks:				<del></del>	
17. <u>Cooler Information</u> Cooler No	<del></del>	Seal Intact   Seal	No Seal Date	Signed By		
2	2.4 Good		antenn ner antelle (n. 1876), de en bason e en nature en palate (d. 1805), le en en en en Salve (l. 1885), le en en en en en en en en en en en en en	enemente e conque e enemente e enemente e enemente e en enemente e en enemente e en enemente e en enemente e e En en en en enemente enemente enemente enemente en en enemente e en enemente e en enemente en enemente en enemente en enemente en enemente en en enemente en en enemente en en enemente en en en enemente en en en en en en en en en en en en en		

		-of-Cເ	ıstody Record	Turn-Around	Time:	SAME DAY				H	ΔI		FN	IV	TD	20	NA	4F!	NT.	ΔI	
Client:	Ens	ulum,	LLC	□ Standard		1000														RY	7
Pa	•	/		Project Name	e: 	110	. 🗷					halle									
Mailing	Address	:6/Yo <	, RIV Gande SuikA		iit Fed			49	01 Ha								M 87	109			
		18-	1410	Project #:	see nue	-5		Τe	el. 50	<u>5-34</u>	5-39	75	Fa	ax 5	505-:	345-	-4107	7			
Phone i	#:											An	alys	is F	Requ	uest					
email o	r Fax#:	<u>(Summ</u>	uspensulum. (on	Project Mana	iger: Lsun	mer	=	<u>@</u>					SO <sub>4</sub>			£					
QA/QC I	Package:		1				802	MR	PCB's		S⊠		_			pse	ĺ	-			
□ Stan	dard		☐ Level 4 (Full Validation)				) (2)	်္ဂ			8270SIMS		5			,ut					
			•	Sampler: 3			∄		3082	504.1)	827		NC <sub>2</sub> ,			rese					
□ NEL		□ Other		On Ice:	MporYes	□/No		잃	les/8	20	9	ı	ı		8	Ē	8			ļ	
	(Type) <sub>-</sub>	<u> </u>			را در (including CF):	-0.1.6 (°C)	<b>1</b>	9	ţici	힐	831	∦et ∶   ξet	ž   ;	হ	딑	힐	1/10				
				Societ stemp	المرتبط (Induding Gr		🗓	3015	Pes	Me	۾	8 6	֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓	읽	Se	흥	1014				
Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 2111125	BTEX <del>/- MTBE / TMB's</del> (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082	EDB (Method	PAHs by 8310	RCRA 8 Metals	Ci, F, Br, NO3,	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)	이				
	1005	^	3-16	x Yuz Jer		∞(	$\overline{}$	V/		_		<u> </u>		<u>~</u>	~	-	$\nabla$		+		T
, :	1010	S	S-17	1 x 462 Jer	(0)	002	夕	$\sqrt{\lambda}$		1	1			_		_	ХŢ	+	$\top$	+	T
	1015	S	5-18	1x Yes Ter		003	X	V									XI	$\neg \uparrow$			$\top$
11/2/21	1020	5	5-19	1x 402 Jar	-	989	X	X						İ			X		$\top$	$\top$	$\top$
11/2/21	1025	5	S-20	1x 462 For	cast	205	V	X									X	丁			T
11/2/21	1030	Š	5-21	1x YouTar	CAU	ئ م	X	X									X				
11/2/21	1035	5	S-22	124025W	cost	007	X	X									X				
12 21	1640	9	5-23	1x you Tor	COU	೦೪	X	X									XI				
12/21	1045	5	S-24	1x you Tor	COSÍ	0.59	X	XI									X				
# 21	1050	S	S-25	1x462 Tar	CCDL	010	X	XI									X				
12/a1	1055		5-26	1x402 Tor		011	$\mathcal{A}$	X								_	$\langle  $				
#2/21	1100	S	5-27	1x 402 Tor		012	$\mathcal{A}$	<u> </u>									$\mathbb{X}$				
		Relinguishe	ed by:	Received by:	Via:	Date Time	Rem	narks	5: カル	 1/	(	211	- (	70	m	L	mo	) (	CP	ZeD)	)
2 2 1 Te:	Time:	Relinguishe	ad by:	Received by:	Via:	1/2/21 /5/1 Date Time	SKI	NE	30 1/7	7	P	ay	Ker	1 -	$\cdot \mathcal{P}$	Bi	٦jć	200	)		
B.i.	,	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	, , (	/	v ici.	Date Tille	Seal	on C	ceole	( inda	or N	) iv	Á	F	<u>-</u>	· A	15	50	08		
3421	1810		ust Wat	ome co	water 111	314 0710	ane	- 410	14			_									

Released to Imaging: 4/22/2022 3:19:56 PM

Chain-of-Custody Record	Turn-Around Time: SAMEDAY	HALL ENVIRONMENTAL				
Client: Ensulum LLC	Turn-Around Time: SAMEDAY  □ Standard □ Rush \ \(\mathcal{U}\)\(\mathcal{O}\)	ANALYSIS LABORATORY				
Page	Project Name:					
Mailing Address: Collo S. Rio Grande Suite	Douthit Federal 6	www.hallenvironmental.com 4901 Hawkins NE - Albuquerque, NM 87109				
ArteCINM 87410	Project #: Seender	Tel. 505-345-3975 Fax 505-345-4107				
Phone #:	<u> </u>	Analysis Request				
email or Fax#: KSUMMes eensolumiler	Project Manager: Ksummus	SO <sub>4</sub> SO <sub>4</sub> SO <sub>4</sub>				
QA/QC Package:		SIMS   SI				
☐ Standard ☐ Level 4 (Full Validation	·	7MB's. (802 / DRO / MF (082 PCB's (082 PCB's (082 PCB's (02, PO <sub>4</sub> , 9 (02, PO <sub>4</sub> , 9				
Accreditation: ☐ Az Compliance	Sampler: Rouckilly	( / MTBE / TMB's. (8021) 8015D(GRO / DRO / MRO) 8015D(GRO / DRO / MRO) Pesticides/8082 PCB's (Method 504.1) 8 by 8310 or 8270SIMS A 8 Metals Br, NO <sub>3</sub> , NO <sub>2</sub> , PO <sub>4</sub> , SO <sub>4</sub> (VOA) (Semi-VOA) Coliform (Present/Absent)				
☐ NELAC ☐ Other ☐ DDD (Type) ☐ DDD (Type) ☐ DDD (Type) ☐ DDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDD	On Ice: DtYes ZNo # of Coolers: C   C - C - C - C - C - C - C - C - C -	S S S S S S S S S S S S S S S S S S S				
	Cooler Temp(including cri): 2.4.0 = 2.4. (CC	/ MTBE+ / MTBE+ // MTBE+ // MTBE+ // Method 5C by 8310 o // 8 Metals Br, NO <sub>3</sub> , // Semi-VO/ Coliform (F				
		1 Pes   1 Pes				
Date Time Matrix Sample Name	Container Preservative HEAL No.  Type and # Type	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  CI, F, Br, NO <sub>3</sub> , NO <sub>2</sub> , PO <sub>4</sub> , SO <sub>4</sub> 8260 (VOA)  8270 (Semi-VOA)  Total Coliform (Present/Absent)  Ch/rrdc				
1/2/21/1105 3 5-28	1x Yester CWI 013					
1/2/21/110 S S-29	1x 4rt Tar Cast 014					
112/24 1115 S S-30	1x 40 Tax COW OIS					
11/2/21 1120 5 5-31	1x you Tar COD oice					
11/2/21 1125 5 5-252	1 x 402 Jan COW 017					
11/2/21/1130 S S-33	1x You Tar CODI 018					
11/2 × 135 S S-34	1x 402 Jan (OD) 019					
12/11/10 5 S-35	1x402 Tar CUDI 000					
12211145 S S-36	1x 402 Jan COOl OZI					
12/1/150 5 5-37	1×402500 (66) 022					
122/1155 3 8-38	belonger cour ors					
Pate: Time: Relinguished by:	Received by: Via: Date Time	Remarks: PM-Tom Long (EPROD)				
Policy Time: Policy inhead by	1 My Want 1/2/21 1511	SMORY PAYKey-RB21200				
Pate: Time: Relinquished by:	Received by: Via: Date Time  MC Covr at 11/3/4 07/0	Remarks: DM—TomLong (EPROD)  SMARY  Pay Key— RB21280  Scal on cooler in text  MM AFE— N55808  This possibility. Any sub-contracted data will be clearly notated on the analytical report				
100000000000000000000000000000000000000		his possibility. Any sub-contracted data will be clearly notated on the analytical report.				



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

November 08, 2021

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

**FAX** 

RE: Douthit Federal 6 OrderNo.: 2111310

#### Dear Kyle Summers:

Hall Environmental Analysis Laboratory received 2 sample(s) on 11/5/2021 for the analyses presented in the following report.

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

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

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

Sincerely,

Andy Freeman

Laboratory Manager

anded

4901 Hawkins NE

Albuquerque, NM 87109

### **Analytical Report** Lab Order 2111310

Date Reported: 11/8/2021

# Hall Environmental Analysis Laboratory, Inc.

**CLIENT: ENSOLUM** Client Sample ID: S-39

**Project:** Douthit Federal 6 Collection Date: 11/4/2021 2:15:00 PM Lab ID: 2111310-001 Matrix: MEOH (SOIL) Received Date: 11/5/2021 7:00:00 AM

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

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

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix interference
- Analyte detected in the associated Method Blank
- Е Value above quantitation range
- Analyte detected below quantitation limits
- P Sample pH Not In Range
- Reporting Limit

Page 1 of 6

Xylenes, Total

Surr: 4-Bromofluorobenzene

# Analytical Report Lab Order 2111310

Date Reported: 11/8/2021

11/5/2021 2:22:00 PM

11/5/2021 2:22:00 PM

R82621

R82621

### Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM Client Sample ID: S-40

 Project:
 Douthit Federal 6
 Collection Date: 11/4/2021 2:20:00 PM

 Lab ID:
 2111310-002
 Matrix: MEOH (SOIL)
 Received Date: 11/5/2021 7:00:00 AM

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

0.52

104

0.067

70-130

mg/Kg

%Rec

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

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

Page 2 of 6

## Hall Environmental Analysis Laboratory, Inc.

WO#: **2111310** 

08-Nov-21

Client: ENSOLUM
Project: Douthit Federal 6

Sample ID: MB-63784 SampType: mblk TestCode: EPA Method 300.0: Anions

Client ID: PBS Batch ID: 63784 RunNo: 82637

Prep Date: 11/5/2021 Analysis Date: 11/5/2021 SeqNo: 2933906 Units: mg/Kg

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Chloride ND 1.5

Sample ID: LCS-63784 SampType: Ics TestCode: EPA Method 300.0: Anions

Client ID: LCSS Batch ID: 63784 RunNo: 82637

Prep Date: 11/5/2021 Analysis Date: 11/5/2021 SeqNo: 2933907 Units: mg/Kg

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Chloride 14 1.5 15.00 0 93.0 90 110

#### Qualifiers:

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

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## Hall Environmental Analysis Laboratory, Inc.

4.4

WO#: **2111310** 

08-Nov-21

Client: ENSOLUM
Project: Douthit Federal 6

Sample ID: MB-63783 SampType: MBLK TestCode: EPA Method 8015M/D: Diesel Range Organics Client ID: PBS Batch ID: 63783 RunNo: 82624 Prep Date: 11/5/2021 Analysis Date: 11/5/2021 SeqNo: 2933055 Units: mg/Kg PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Analyte Result Diesel Range Organics (DRO) ND 10 Motor Oil Range Organics (MRO) ND 50 Surr: DNOP 9.0 10.00 90.0 70 130

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

88.1

70

130

5.000

# Qualifiers:

Surr: DNOP

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

Page 4 of 6

### Hall Environmental Analysis Laboratory, Inc.

#: **2111310** 

WO#:

08-Nov-21

Client: ENSOLUM
Project: Douthit Federal 6

Sample ID: mb-water SampType: MBLK TestCode: EPA Method 8015D: Gasoline Range

Client ID: PBS Batch ID: R82621 RunNo: 82621

Prep Date: Analysis Date: 11/5/2021 SeqNo: 2932743 Units: mq/Kq

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Gasoline Range Organics (GRO) ND 5.0

Surr: BFB 1000 1000 100 70 130

Sample ID: 2.5ug gro Ics SampType: LCS TestCode: EPA Method 8015D: Gasoline Range

Client ID: LCSS Batch ID: R82621 RunNo: 82621

Prep Date: Analysis Date: 11/5/2021 SeqNo: 2932745 Units: mg/Kg

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Gasoline Range Organics (GRO) 25 5.0 25.00 O 101 78.6 131

Surr: BFB 1200 1000 115 70 130

Sample ID: 2111310-001ams SampType: MS TestCode: EPA Method 8015D: Gasoline Range

Client ID: **S-39** Batch ID: **R82621** RunNo: **82621** 

Prep Date: Analysis Date: 11/6/2021 SeqNo: 2933727 Units: mg/Kg

SPK value SPK Ref Val %REC Result HighLimit %RPD **RPDLimit** Analyte PQL LowLimit Qual Gasoline Range Organics (GRO) 99 18 90.91 19.16 87.9 61.3 114 Surr: BFB 70 3636 4700 130 130

Sample ID: 2111310-001amsd SampType: MSD TestCode: EPA Method 8015D: Gasoline Range

Client ID: S-39 Batch ID: R82621 RunNo: 82621

Prep Date: Analysis Date: 11/6/2021 SeqNo: 2933732 Units: mq/Kq

SPK value SPK Ref Val %REC HighLimit %RPD **RPDLimit** Analyte Result PQL LowLimit Qual Gasoline Range Organics (GRO) 97 18 90.91 19.16 85.7 61.3 2.04 114 20 Surr: BFB 4500 3636 123 70 130 0 0

#### Qualifiers:

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

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### Hall Environmental Analysis Laboratory, Inc.

0.70

WO#: 2111310

08-Nov-21

**Client: ENSOLUM Project:** Douthit Federal 6

Sample ID: mb-water SampType: MBLK TestCode: EPA Method 8021B: Volatiles Client ID: PBS Batch ID: R82621 RunNo: 82621 Prep Date: Analysis Date: 11/5/2021 SeqNo: 2932763 Units: mg/Kg SPK value SPK Ref Val %REC %RPD **RPDLimit** Analyte Result PQL LowLimit HighLimit Qual Benzene ND 0.025 ND 0.050 0.050 ND

Toluene Ethylbenzene Xylenes, Total ND 0.10

Surr: 4-Bromofluorobenzene 1.1 1.000 105 70 130

0.6702

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

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

TestCode: EPA Method 8021B: Volatiles Sample ID: 2111310-002amsd SampType: MSD Client ID: S-40 Batch ID: R82621 RunNo: 82621 Prep Date: Analysis Date: 11/6/2021 SeqNo: 2933762 Units: mg/Kg SPK value SPK Ref Val %REC **RPDLimit** Analyte Result PQL LowLimit HighLimit %RPD Qual 0.60 0.017 0.6702 0.02035 87.0 80 120 11.4 20 Benzene Toluene 0.73 0.034 0.6702 0.1564 86.1 80 120 3.32 20 Ethylbenzene 0.69 0.034 0.6702 0.06845 93.3 80 120 3.01 20 Xylenes, Total 2.3 0.067 2.011 0.5165 87.4 80 120 3.64 20 Surr: 4-Bromofluorobenzene 0.66 0.6702 98.7 70 130 0 0

#### Qualifiers:

- Value exceeds Maximum Contaminant Level
- D Sample Diluted Due to Matrix

Surr: 4-Bromofluorobenzene

- Holding times for preparation or analysis exceeded Н
- Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix interference
- Analyte detected in the associated Method Blank

105

70

130

- Value above quantitation range
- Analyte detected below quantitation limits
- Sample pH Not In Range
- RL Reporting Limit

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Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109

TEL: 505-345-3975 FAX: 505-345-4107 Website: clients.hallenvironmental.com

# Sample Log-In Check List

Client Name:	ENSOLUM	Work Order Num	ber: 2111310		RcptNo	1
Received By:	Cheyenne Cason	11/5/2021 7:00:00	АМ	Chel		
Completed By:	Isaiah Ortiz	11/5/2021 7:42:14	AM .	Chal I	4	
Reviewed By:	Jr 115/21					
Chain of Cus	<u>tody</u>					
1. Is Chain of Cu	stody complete?		Yes 🗹	No 🗌	Not Present	
2. How was the	sample delivered?		<u>Courier</u>			
Log In 3. Was an attem	pt made to cool the sam	ples?	Yes 🔽	No 🗆	NA 🗌	
4. Were all samp	les received at a temper	rature of >0° C to 6.0°C	Yes 🗹	No 🗌	NA 🗆	
5. Sample(s) in p	proper container(s)?		Yes 🗹	No 🗌		·
6. Sufficient sam	ple volume for indicated	test(s)?	Yes 🗹	No 🗆		
7. Are samples (	except VOA and ONG) p	roperly preserved?	Yes 🗹	No 🗌		
<ol><li>Was preservat</li></ol>	ive added to bottles?		Yes 🗌	No 🗹	NA 🗆	
9. Received at lea	ast 1 vial with headspace	e <1/4" for AQ VOA?	Yes 🗌	No 🗌	NA 🗹	
10. Were any sam	ple containers received	broken?	Yes 🗆	No 🗹	# of preserved	
	rk match bottle labels? ncies on chain of custod	ly)	Yes 🗹	No 🗆	bottles checked for pH:	>12 unless noted)
2. Are matrices c	orrectly identified on Cha	ain of Custody?	Yes 🗹	No 🗆	Adjusted?	
3. Is it clear what	analyses were requeste	d?	Yes 🗹	No □		21
	g times able to be met? stomer for authorization	.)	Yes 🗹	No 🗆	Checked by:	J. 11.5. W
pecial Handli	ng (if applicable)					
15. Was client not	ified of all discrepancies	with this order?	Yes 🗌	No 🗆	NA 🗹	
Person <b>i</b> By Whoi Regardir Client In	m:	Date:	3	Phone Fax	In Person	
16. Additional ren	narks:				and the second of the second o	<u> </u>
17. <u>Cooler Inform</u> Cooler No	nation Temp °C Condition 1.2 Good	Seal Intact   Seal No Not Present	Seal Date	Signed By		

**Chain-of-Custody Record** Turn-Around Time: e: SAMEDAY Rush 100% Client: Ensolum, LLC HALL ENVIRONMENTAL ☐ Standard **ANALYSIS LABORATORY** Project Name: www.hallenvironmental.com Douthit Federal 6 Mailing Address: 606 S. Pio Grando Suite A 4901 Hawkins NE - Albuquerque, NM 87109 Project #: See notes AzteCINM 87410 Tel. 505-345-3975 Fax 505-345-4107 Phone #: **Analysis Request** email or Fax#: \Sum moso-ensolum.com | Project Manager: KSummer SO<sub>4</sub> TPH:8015D(GRO / DRO / MRO) Total Coliform (Present/Absent) BTEX / MTBE / TMB's (8021) QA/QC Package: 8270SIMS ☐ Level 4 (Full Validation) □ Standard Sampler: Rosechille Accreditation: □ Az Compliance EDB (Method 504.1) ☐ NELAC □ Other ☑ Yes INo ... On Ice: 8270 (Semi-VOA) PAHs by 8310 or Cl, F, Br, NO<sub>3</sub>, ☐ EDD (Type) RCRA 8 Metals # of Coolers: Chloride 8260 (VOA) Cooler Temp(including CF): \ 2-0= | 7 (°C) Container Preservative HEAL No. 8081 Sample Name Time Date Matrix Туре 17111310 Type and # 11/4/21 1415 8-39 1 x 462 Jer COU  $\infty$ \ 11/4/21 1420 8-40 X 1 4 462 jer coul 002 Date: Time: Relinquished by: Received by: Via: Date Time Remarks: PM-Tom Long (EARDO) Pay Key- RB21200 1608 Date: Relinquished by: Non APE - NSSOOK me count 116/10 0700

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

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

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

CONDITIONS

Action 81218

#### **CONDITIONS**

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

#### CONDITIONS

Created By		Condition Date
nvelez	None	4/22/2022