District I 1625 N. French Dr., Hobbs, NM 88240 District II 811 S. First St., Artesia, NM 88210 District III 1000 Rio Brazos Road, Aztec, NM 87410 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505 State of New Mexico Energy Minerals and Natural Resources Department

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Form C-141 Revised August 24, 2018 Submit to appropriate OCD District office

Incident ID	
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party: Enterprise Field Services, LLC	OGRID: 241602
Contact Name: Thomas Long	Contact Telephone: 505-599-2286
Contact email:tjlong@eprod.com	Incident # (assigned by OCD) NAPP2221727230
Contact mailing address: 614 Reilly Ave, Farmington, NM 87401	

Location of Release Source

Latitude 36.597674

Longitude -107.776343

(NAD 83 in decimal degrees to 5 decimal places)

)

Site Name Lateral C-28	Site Type Natural Gas Gathering Pipeline
Date Release Discovered: 08/04/2022	Serial Number (<i>if applicable</i>): N/A

Unit Letter	Section	Township	Range	County
Ν	3	27N	9W	San Juan

Surface Owner: State Federal Tribal Private (Name: BLM

Nature and Volume of Release

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

Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	Yes No
Condensate	Volume Released (bbls): Estimated 5-10 BBLs	Volume Recovered (bbls): None
Natural Gas	Volume Released (Mcf): 28 MCF	Volume Recovered (Mcf): None
Other (describe)	Volume/Weight Released (provide units):	Volume/Weight Recovered (provide units)

Cause of Release: On July 5, 2022, Enterprise had a release of natural gas from the Lateral C-28 pipeline. The pipeline was isolated, depressurized, locked and tagged out. No liquids were released to the ground surface. No washes were affected. No fire nor injuries occurred. Due to the road conditions, Enterprise began repairs and remediation on August 4, 2022 at which time determined that this release was reportable per NMOCD regulation due to the volume of impacted subsurface soil. Remediation and repairs were completed on August 12, 2022. The final excavation dimensions measured approximately 27.5 feet long by 18 feet wide by 14 feet deep. A total of 392 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.

Page 2

Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

Page 2 of 69

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.

A scaled site and sampling diagram as described in 19.15.29.11 NMAC				
Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)				
Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)				
Description of remediation activities				
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases wh may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface watch human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.	ch			
Printed Name: Thomas Long Title: Senior Environmental Scientist				
Signature:				
email: <u>tjlong@eprod.com</u> Telephone <u>: (505) 599-2286</u>				
OCD Only				
Received by: Date:				
Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.				
Closure Approved by:				
Closure Approved by: Nelson Velez Date: 06/13/2023 Printed Name: Nelson Velez Title: Environmental Specialist – Adv				





CLOSURE REPORT

Property:

Lateral C-28 (08/04/22) Unit Letter N, S3 T27N R9W San Juan County, New Mexico

New Mexico EMNRD OCD Incident ID No. NAPP2221727230

November 1, 2022

Ensolum Project No. 05A1226197

Prepared for:

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

Prepared by:

ectech

Ranee Deechilly Project Manager

Umm

Kyle Summers Senior Managing Geologist

Ensolum, LLC | Environmental, Engineering & Hydrogeologic Consultants

606 South Rio Grande, Suite A | Aztec, NM 87410 | ensolum.com

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- Appendix E Regulatory Correspondence
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1.1 Site Description & Background

Operator:	Enterprise Field Services, LLC / Enterprise Products Operating LLC (Enterprise)
Site Name: Lateral C-28 (08/04/22) (Site)	
NM EMNRD OCD Incident ID No. NAPP2221727230	
Location:	36.597674° North, 107.776343° West Unit Letter N, Section 3, Township 27 North, Range 9 West San Juan County, New Mexico
Property:	United States Bureau of Land Management (BLM)
Regulatory:New Mexico (NM) Energy, Minerals and Natural Resources D (EMNRD) Oil Conservation Division (OCD)	

On July 5, 2022, Enterprise personnel discovered of a release of natural gas from the Lateral C-28 pipeline. Enterprise personnel subsequently isolated and locked the pipeline out of service. On August 4, 2022, Enterprise initiated activities to repair the pipeline and remediate potential petroleum hydrocarbon impact. After initiating excavation activities, Enterprise determined the release was "reportable" due to the estimated volume of impacted soil. The NM EMNRD OCD was subsequently notified.

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

1.2 **Project Objective**

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

2.0 CLOSURE CRITERIA

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

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

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PLSS sections. Figure B (Appendix B). The record for the cathodic protection well located near the Hughes #10A and Turner Hughes #5 well locations indicates a depth to water of approximately 175 feet bgs. This cathodic protection well is approximately 0.6 miles north of the Site and is approximately 580 feet higher in elevation than the Site. The record for the cathodic protection well located near the Turner Hughes #14A well location indicates a depth to water of approximately 120 feet bgs. This cathodic protection well is approximately 0.7 miles west of the Site and is approximately 130 feet higher in elevation than the Site. The record for the cathodic protection well located near the Turner Hughes #14 well location indicates a depth to water of approximately 130 feet bgs. This cathodic protection well is approximately 0.8 miles northwest of the Site and is approximately 185 feet higher in elevation than the Site. The record for the cathodic protection well located near the Turner Hughes #15 and #19 well locations indicates a depth to water of approximately 180 feet bgs. This cathodic protection well is approximately 0.8 miles northeast of the Site and is approximately 50 feet lower in elevation than the Site. The record for the cathodic protection well located near the Turner Hughes #21-A well location indicates "damp" at approximately 80 feet bgs. This cathodic protection well is approximately 1.2 miles northwest of the Site and is approximately 870 feet higher in elevation than the Site. The record for the cathodic protection well located near the Turner Hughes #16, #13, and #10 well locations indicates a depth to water of approximately 145 feet bgs. This cathodic protection well is approximately 1.3 miles southeast of the Site and is approximately 230 feet lower in elevation than the Site. The record for the cathodic protection well located near the Storey C#11 well location indicates a depth to water of approximately 360 feet bgs. This cathodic protection well is approximately 1.6 miles northeast of the Site and is approximately 570 feet higher in elevation than the Site. The record for the cathodic protection well located near the Hancock A #1A well location indicates a "seep" at approximately 100 feet bgs. This cathodic protection well is approximately 1.6 miles northeast of the Site and is approximately 270 feet lower in elevation than the Site.

- The Site is located within 300 feet of a NM EMNRD OCD-defined continuously flowing watercourse or significant watercourse (**Figure C**, **Appendix B**).
- The Site is not located within 200 feet of a lakebed, sinkhole, or playa lake.
- The Site is not located within 300 feet of a permanent residence, school, hospital, institution, or church (Figure D, Appendix B).
- No springs, or private domestic freshwater wells used by less than five households for domestic or stock watering purposes were identified within 500 feet of the Site (Figure E, Appendix B).
- No freshwater wells or springs were identified within 1,000 feet of the Site (Figure E, Appendix B).
- The Site is not located within incorporated municipal boundaries or within a defined municipal freshwater well field covered under a municipal ordinance adopted pursuant to New Mexico Statutes Annotated (NMSA) 1978, Section 3-27-3.
- Based on information identified in the U.S. Fish & Wildlife Service National Wetlands Inventory Wetlands Mapper, the Site is not within 300 feet of a wetland (**Figure F**, **Appendix B**).
- Based on information identified in the NM Mining and Minerals Division's Geographic Information System (GIS) Maps and Mine Data database, the Site is not within an area overlying a subsurface mine (**Figure G**, **Appendix B**).



- The Site is not located within an unstable area per Paragraph (6) of Subsection U of 19.15.2.7 NMAC.
- Based on information provided by the Federal Emergency Management Agency (FEMA) National Flood Hazard Layer (NFHL) geospatial database, the Site is not within a 100-year floodplain (**Figure H**, **Appendix B**).

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

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

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

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

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

3.0 SOIL REMEDIATION ACTIVITIES

On August 4, 2022, Enterprise initiated activities to remediate petroleum hydrocarbon impact resulting from the release. During the remediation and corrective action activities, OFT Construction Inc (OFT), provided heavy equipment and labor support, while Ensolum provided environmental consulting support.

The final excavation measured approximately 27.5 feet long and 18 feet wide at the maximum extents. The maximum depth of the excavation measured approximately 14 feet bgs. The lithology encountered during the completion of remediation activities consisted primarily of unconsolidated silty sandy clay underlain by sandstone.

Approximately 392 cubic yards (yd³) of petroleum hydrocarbon-affected soils and 65 barrels (bbls) of hydro-excavation soil cuttings and water were transported to the Envirotech, Inc., (Envirotech) landfarm near Hilltop, NM for disposal/remediation. The executed C-138 solid waste acceptance form is provided in **Appendix C**. The excavation was backfilled with imported fill and then contoured to the surrounding topography.

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

4.0 SOIL SAMPLING PROGRAM

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

Ensolum's soil sampling program included the collection of 11 composite soil samples (S-1 through S-11) from the excavation The composite samples were comprised of five aliquots each and represent an estimated 200 square foot (ft²) or less sample area per guidelines outlined in

E N S O L U M

Section D of 19.15.29.12 NMAC. A backhoe, operated by OFT was utilized to obtain fresh aliquots from each area of the excavation. Regulatory correspondence is provided in **Appendix E**.

First Sampling Event

On August 12, 2022, sampling was performed at the Site. The NM EMNRD OCD and BLM were notified of the sampling event although no representatives were present during sampling activities. Composite soil samples S-1 (12'-14'), S-2 (12'-14''), and S-3 (12'-14'') were collected from the floor of the excavation. Composites soil samples S-4 (0'-12'), S-5 (0'-12'), S-6 (0'-12'), S-7 (0'-14'), S-8 (0'-14'), S-9 (0'-14'), S-10 (0'-14'), and S-11 (0'-12') were collected from the walls of the excavation.

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

5.0 SOIL LABORATORY ANALYTICAL METHODS

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

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

6.0 SOIL DATA EVALUATION

Ensolum compared the BTEX, TPH, and chloride laboratory analytical results associated with the composite soil samples (S-1 through S-11) to the NM EMNRD OCD Tier I closure criteria. In the event that the laboratory did not quantify a result for BTEX or chloride, Ensolum compared the laboratory supplied practical quantitation limits (PQLs) / reporting limits (RLs) to the NM EMNRD OCD closure criteria. Due to the high PQLs/RLs associated with the TPH MRO range when using EPA SW-846 Method #8015, Ensolum only compared the quantified results to the NM EMNRD OCD closure criteria.

- The laboratory analytical result for composite soil sample S-3 indicates a benzene concentration of 0.015 mg/kg, which is below the applicable NM EMNRD OCD criteria of 10 mg/kg. The laboratory analytical results for all other composite soil samples indicate benzene is not present at concentrations greater than the laboratory PQLs/RLs, which are less than the applicable NM EMNRD OCD criteria of 10 mg/kg.
- The laboratory analytical results for composite soil samples S-3, S-4, S-5, S-8, and S-9 indicate total BTEX concentrations ranging from 0.046 mg/kg (S-4) to 0.33 mg/kg (S-8), which are less than the applicable NM EMNRD OCD closure criteria of 50 mg/kg. The laboratory analytical results for all other composite soil samples indicate that total BTEX is not present in concentrations greater than the laboratory PQLs/RLs, which are less than the applicable NM EMNRD OCD closure criteria of 50 mg/kg.
- The laboratory analytical results for composite soil samples S-7 and S-11 indicate combined TPH GRO/DRO/MRO concentrations of 34 mg/kg and 66 mg/kg, respectively, which are less than the applicable NM EMNRD OCD closure criteria of 100 mg/kg. The laboratory analytical results for all other composite soil samples indicate combined TPH GRO/DRO/MRO is not

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present in concentrations greater than the laboratory PQLs/RLs, which are less than the applicable NM EMNRD OCD closure criteria of 100 mg/kg.

 The laboratory analytical results for composite soil samples S-1, S-2, S-3, and S-8 through S-11 indicate total chloride concentrations ranging from 79 mg/kg (S-10) to 110 mg/kg (S-8), which are less than the applicable NM EMNRD OCD closure criteria of 600 mg/kg. The laboratory analytical results for all other composite soil samples indicate chloride is not present at concentrations greater than the laboratory PQLs/RLs, which are less than the applicable NM EMNRD OCD criteria of 600 mg/kg.

7.0 RECLAMATION AND REVEGETATION

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

8.0 FINDINGS AND RECOMMENDATION

- Eleven 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 392 yd³ of petroleum hydrocarbon-affected soils and 65 bbls of hydroexcavation soil cuttings and water were transported to the Envirotech landfarm for disposal/remediation. The excavation was backfilled with imported fill and then contoured to the surrounding topography.

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

9.0 STANDARDS OF CARE, LIMITATIONS, AND RELIANCE

9.1 Standard of Care

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

9.2 Limitations

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

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9.3 Reliance

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





APPENDIX A

Figures

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APPENDIX B

Siting Figures and Documentation



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New Mexico Office of the State Engineer Water Column/Average Depth to Water

No records found.

PLSS Search:

Section(s): 3, 2, 4, 9, 10, 11 Township: 27N

Range: 09W

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

7/11/22 12:08 PM



New Mexico Office of the State Engineer Water Column/Average Depth to Water

No records found.

PLSS Search:

Section(s): 33, 34, 35

Township: 28N

Range: 09W

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

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	13-30-045-	06683	
נכ	10 - 30-045-06 ATA SHEET FOR DEEP GE NORTHY	· • —	OG 5-11874 . PROTECTION WELLS
Operator	Meridian Oil	Location: Un	it 11 Sec. 11 Twp 27 Rng 6
Name of Wel	1/Wells.or Pipeline = $\frac{\#}{3} \rightarrow \frac{\#}{0}$	Serviced Turn	ER HUGHES # 16
	Completion Date		
Casing Stri	ngs, Sizes, Types &	Depths 99'o	f 8" PUC sur face
CASI	J 6		
	strings are cemented, 5 bags cement		rpes used Yes with
If Cement o	or Bentonite Plugs has \mathcal{NO}	ve been placed, st	now depths & amounts used
Depths & th	nickness of water zon	es with description	on of water: Fresh, Clear,
Salty, Sulp	ohur, Etc. DA	+mp 145' WA	TER 180'
Depths gas	encountered:	No	
Ground bed	depth with type 6 an	nount of coke bree	ze used: <u>474</u> with
65	too lbs Loresco T	ype Sw	
Depths anoo			255, 245; 235, 225, 215, 205-195-
Depths vent	t pipes placed: 474	ł [•] .	
Vent pipe	perforations: bot	TOM 320'	DECENVER
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			OIL COM. DAY
			DIST. A

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.

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ceived by OCD: 6/12/2023 1:25:28 PM	Page 27 of 69
DATE: 5/9/96	
DATA SHEET FOR DEEP GROUND BED CATHODIC.PROTECTION NORTHWESTERN NEW MEXICO	WELLS
Operator Meridian Oil INC. Location: Unit A Sec. 03	3Twp <u>27</u> Rng <u>09</u>
Name of Well/Wells.or Pipeline Serviced 30-045-06892	
Turner Hughes # 15 Aud # 19 30-045-21603	· · · · · · · · · · · · · · · · · · ·
Elevation 6/92 Completion Date 5/9/96 Total Depth 435 Land	Type <u>F</u>
Casing Strings, Sizes, Types & Depths 5/8 Set 59'0F8"	PUC CASing.
NO GAS, WATER, OF Boulders Were ENCOUNTERED DURING	
If Casing Strings are cemented, show amounts & types used (
WITH 15 SACKS.	
If Cement or Bentonite Plugs have been placed, show depths &	amounts used
Nove.	
Depths & thickness of water zones with description of water: Salty, Sulphur, Etc. Ait Fresh WATEH AT 180.	Fresh, Clear,
Depths gas encountered: Nove	
Ground bed depth with type & amount of coke breeze used: $\frac{44}{2}$	35 DepTH.
Used 110 SACKS of ASbury 218R (5500#)	
Depths anodes placed: 405, 395, 385, 375, 365, 355, 345, 335, 290, 280, 265, 240	225,215, + 195
Depths vent pipes placed: Surface To 435. DEAT	<u> </u>
Vent pipe perforations: Bottom 300.	
Remarks:	9 1957 ビ
	No DIV.
网络	6 B .

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.

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CPS GROUND BED CONSTRUCTION WORKSHEET 2916-W Turner Hughes #15 And #19 -2E22 2E23 319/94 JOHN L. Moss TOTAL VOLTS 3<u>3.0</u> <u> 753 _</u> 11.66 Willer Reported WATER AT 180: INSTALLED 435 OF I"PE VENT Pipe, WITH THE BOTTOM 300' Perforated. Coke Breeze To 115. a coth ANGOELDERTH ANGOE Las معت · AND DE L'ART ANGDE ANDDE ANODE -ODZ - -7.7 3.4 - 3 NODE DEPTH NE 2.0 • COME . त्र 2.4 . 7 4.5 7.5 2.1 4.9 2.5 4.5 えっ 7.0 Æ. 7.0 2.7 7/58 Ŷ 6.9 H.H 4.5 1, 1 7.0 4.2 3.9 6.1).H 3.7 5,6 μ .1 ą 1.4 6.h 1.5 4.2 6.1 4,4 H . . . 3.8 6.0 1.9 <u>H,6</u> 6.0 4,2 3.8 4.5 7.0 1.6 2.0 4.3 5.8 4.3 2.1 エン \mathcal{A}_{i} - 14 11.1 ·: Z 4,0 it ? 7.0 14,4 4.13 <u>.</u> Tin 4.7 2,4 بتر ز diF <u>645</u> - 5 1: 7.7 Ξ. . 1# -17 1.1 - 9

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SISTRIBUTION - OPISION - Dependent CPS FILE

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HINA -	20-145-26533	3522
HH#5-	NORTHWI	DUND BED CATHODIC PROTECTION WELLS ESTERN NEW MEXICO Les to OCD Aztec Office)
	Operator <u>MERIDIAN OIL INC.</u>	Location: UnitE Sec.3 Twp27 Rng 9
	Name of Well/Wells or Pipeline S	Serviced HUGHES #10A, TURNER HUGHES #5
	Elevation <u>6848'</u> Completion Date <u>10</u> Casing, Sizes, Types & Depths	cps 2024w /25/88 Total Depth 520' Land Type* N/A N/A
	If Casing is cemented, show among	ints & types used <u>N/A</u>
	If Cement or Bentonite Plugs hav	ve been placed, show depths & amounts used
	Depths & thickness of water zone Fresh, Clear, Salty, Sulphur, E	es with description of water wh en possible :
	Depths gas encountered:N	Ά
	Type & amount of coke breeze use	
		465', 455', 445', 400', 390', 305', 215', 205'
	Depths vent pipes placed:5	
		50' MAY 3 11 1991
	Remarks: <u>gb #1</u>	DIST. 3
	If any of the above data is upo	vailable please indicate so Copies of all

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.

Received by OCD: 6/12/2023 1:25:28 PM

MERIDIAN OIL INC 1-07-0238 (Pev: 19-021-ELL CASING

> CATHODIC PROTECTION CONSTRUCTION REPORT DAILY LOG

Page 80

Completion Date 10/25/88

8 25

210

\$ 5-3

Drilling Log (Attach Hereto)

Ditch 8

25' Heter Pole:

20' Heter Pole: 10' Stub Pole:

Junction Box:

2 Gable:

CPS ·	Well Na	me, Line or Plant:	· .	Ţ	Vorte Order	•	Statue: -		Ins. Union Cher	
	Hug	shes'	*10A #	5	54.	31219	.75V	600' W	Cood	Bid Sta
2024 W	Tup	Ner Hugh	and the second		494	NYA	.76 V	600 4		an a
E-3-27-		Anode Size: Lt ZXGU	Anode	DUTION			Size Bat: 6 7/4			
Depin Drilled 520	Dept	h Logged	Drilling Rig Ti		Total I	Lbs. Goke Used 🛶	Loss Circutator	in Mat I Used	No Sacts Must	Used and
Ancae Depth = 1 485 = 2	47.5	* 3 465	z 4 45	5 = 5 4	45	# 6 400	#7 390	*8 305	= 215	1 10 2.05
Anode Output : Amps 2 1 3 8 2	3.6	# 3 4, 4	* 4 4.5	= 5 4			= 7 4,1	= 8 3.8	11	# 10 3 6
Anode Depth		* 13	# 14	i 12 15		# 16	# 17	a 18	# 19	# 20
Anoae Output (Amos	2	# 13	# 14	1 15		# 16	# 17	a 18	1 1 17.19	# 20
Total Circuit Resist Volts 11, 8	+	mps 21.4	i Chms	.55	n an	No., 8 C.P. Ca	ble Used	· · · · · · · · · · · · · · · · · · ·	No. 2 C.P. (Cobie Used
Remarks: <u>HiT</u>	DAMP	SRGT A	17 125	Air	CON	p. woul	D oress	UPE up,	BUT W	ould No7
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· · ·		G. B.	. /	0.00						
Rectifier Size: 7	<u>E. 6,</u>	<u>v</u> <u>j.s.¹.1:50</u> o	-	5.00		4		All Constru	ction Cample	und a
Depth Credit: Extra Cable: Duch & 1 Cable:		380.25	9	5.00				VE &	Allo	

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Page 31 of 69

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and a second a second and the second and a second a second and a second and the second and second a second and

D. Crass _ DRILLING CO. 2024 Drill No. 3 DRILLER'S WELL LOG S. P. No Hughes # 10A Date 10 - 25 - 88 Client Meridian Oil Co. Prospect County SAN JUAN State New Mex If hole is a redrill or if moved from original staked position show distance and direction moved: FROM TO ~ FORMATION - COLOR - HARDNESS \sim 65 SAN 165 180 Sal Sha 225 クム SDN. sha 245 250 SANde 750 260 SA 260 325 Sha 30.5 375 Spin 325 FON

75 420 Sh 20 H40 SAN 495 40 Rock Bit Number Make Remarks: Water Driller LONNIE BIOLON

#14 30-045-06864 Received by ØCD: 6/12/2023 1:25:28 PM DATA SHEET FOR DEEP GROUND BED CATHODIC. PROTECTION WELLS NORTHWESTERN NEW MEXICO Operator Meridian Oil Inc. Location: Unit H Sec. 4 Twp 27 Rng 9 Name of Well/Wells or Pipeline Serviced Turner Hushes # Elevation — Completion Date (-22-95 Total Depth 378 Land Type Casing Strings, Sizes, Types & Depths 4-25-95 - Set 100 of 8 UC CASING No Gas water or boulders encountered If Casing Strings are cemented, show amounts & types used Cemented with 18 sacks If Cement or Bentonite Plugs have been placed, show depths & amounts used None Depths & thickness of water zones with description of water: Fresh, Clear, Salty, Sulphur, Etc. 130 - Fresh Depths gas encountered: $\Lambda/o_{0}e$ Ground bed depth with type & amount of coke breeze used: 378 5000165 Asburn Depths anodes placed: 1-365 338 351 344 337 330 280 273 245 Depths vent pipes placed: <u>Surface to 378</u> Vent pipe perforations: 100-378 JAN 1 1 1996 Remarks: 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.

by QCD: 6/12/2023 1:25:28 PM	Flore Page
, • • • ₽	#1414 30-045-26382
DATA SHEET FOR DEEP GROUND BEI Northwestern N	
Operator Meridian Oil Inc. Loc	ation: Unit \mathbb{Z} Sec. $\frac{4}{7}$ Twp $\frac{27}{Rn}$
Name of Well/Wells or Pipeline Serviced	Turner Hughes #14A
Flowation - Complication Date // the m	tal Death (172/ Tand Tuna
Elevation — Completion Date <u>b 27/95</u> To Casing Strings, Sizes, Types & Depths <u>4</u>	
Casing No gas water or boulders. 1.	
If Casing Strings are cemented, show amo with 18 sacks	
If Cement or Bentonite Plugs have been	placed, show depths & amounts
Depths & thickness of water zones with Salty, Sulphur, Etc. <u>120'-Fresh</u>	description of water: Fresh, (
Depths gas encountered: NA	
Ground bed depth with type & amount of	coke breeze used: <u>473</u>
133 Saules Asbury 218R	
Depths anodes placed: 468 450, 443 436, 422,	415 408 401 254 387 373 365 150
Depths vent pipes placed: 473	
Vent pipe perforations: Bottom 325'	DECEIVER
Demember	UI JAN 1 1 1996 L
Remarks:	JAN 1 1000
Remarks:	

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

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

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Received by	OCD:	6/12/2023	1:25:28 P	M
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2644W

30-045-26481

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

Operator MERIDIAN Oil Location: Unit C Sec. 4 Twp 27 Rng 9
Name of Well/Wells.or Pipeline Serviced TURNER HUGHES #21-A
· · · · · · · · · · · · · · · · · · ·
ElevationCompletion DateTotal DepthLand Type
Casing Strings, Sizes, Types & Depths <u>8" PUC suctace casing</u> 58' DEEP
If Casing Strings are cemented, show amounts ε types used \sqrt{ES} with 14 bacs NEAT CEMENT
If Cement or Bentonite Plugs have been placed, show depths ϵ amounts used \sqrt{D}
Depths & thickness of water zones with description of water: Fresh, Clear,
Salty, Sulphur, Etc. <u>DAmp 80', 240', 310'</u>
Depths gas encountered: Mo
Ground bed depth with type & amount of coke breeze used: 452' DEEP with 6000 lbs Asbury FLO COKE
Depths anodes placed: 432, 425, 418, 411, 404, 396, 386, 370, 270, 231, 221, 200190, 180
Depths vent pipes placed: 452'
Vent pipe perforations: borrow 350' DECEIVED Remarks: JAN 2 0 1995
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.

			_				
	DATA SHEE	T FOR DEE No	IP GROUND BED IRTHWESTERN N	CATHODIC	. Protect	TION WEL	ls
	$\cdot \rho \rightarrow 1$	0					• •
			ices Loc				28 Rng
Name of	Well/Wells.	or Pipeli	ine Serviced	Han LOCK	<u>"A"</u>	14	
	••				5-294		
		lation Dat	te <u>8-12-98</u> To				
	1					••	·e
Casing S	Strings, Siz	es, Types	s & Depths	<u>8" PUC</u>	X 20	· · · · · · · · · · · · · · · · · · ·	
		· .	• •	· · ·			·····
		• • •	ted, show am				
						,	
If Cemer	nt or Benton	nite Plug:	s have been	placed, s	how dept	hs & am	ounts u
If Cemer Nou	•	nite Plug:	s have been	placed, s	how dept	hs & am	ounts u
100	Le						
<u>No</u> Depths	د thickness	of water	zones with				
Nov Depths	Le	of water	zones with				
<u>No</u> Depths	د thickness	of water	zones with				
Depths a Salty, S	د thickness	of water c. <u>/00'</u> ,	zones with Seep				
Depths a Salty, a Depths a	& thickness Sulphur, Etc gas encounte	of water c. <u>/00'</u> , ered: <u>/10</u>	zones with Seep	descripti	on of wa	ater: Fr	esh, C
Depths Salty, S Depths Ground	C thickness Sulphur, Etc gas encounte bed depth wi	of water c. <u>/00'</u> , ered: <u>/10</u>	zones with Seep 10	descripti	on of wa	ater: Fr	esh, C
Depths Salty, S Depths Ground Lor	thickness Sulphur, Etc gas encounte bed depth wi soo SW	of water c. <u>/00'</u> ered: <u>/10</u> ith type	zones with Seep 10 & amount of	descripti coxe bree	on of wa	ater: Fr	esh, C
Depths Salty, S Depths Ground Lor Depths	thickness Sulphur, Etc gas encounte bed depth with solutions anodes place	of water c. <u>/00'</u> , ered: <u>/00</u> ith type ed: <u>290,0</u>	zones with <u>Seep</u> 6 6 amount of 280, 273, 26	descripti coxe bree	on of wa	ater: Fr	esh, C
Depths Salty, S Depths Ground Lor Depths Depths Depths	thickness Sulphur, Etc gas encounte bed depth with solution anodes place vent pipes p	of water c. <u>/00'</u> ered: <u>/104</u> ith type ed: <u>290</u> ,2 placed:	zones with <u>Seep</u> 60 6 amount of 280, 273, 26 300'	descripti coxe bree	on of wa	ater: Fr	esh, C
Depths Salty, S Depths Ground Lor Depths Depths Depths	thickness Sulphur, Etc gas encounte bed depth with solution anodes place vent pipes p	of water c. <u>/00'</u> ered: <u>/104</u> ith type ed: <u>290</u> ,2 placed:	zones with <u>Seep</u> 6 6 amount of 280, 273, 26	descripti coxe bree	on of ware eze used 245, -23 DEC	ater: Fr : <u>300'</u> = :8,231	esh, C
Depths Salty, S Depths Ground Lor Depths Depths Depths	thickness Sulphur, Etc gas encounte bed depth with solution solution anodes place vent pipes p pe perforat	of water c. <u>/00'</u> ered: <u>/104</u> ith type ed: <u>290</u> ,2 placed:	zones with <u>Seep</u> 60 6 amount of 280, 273, 26 300'	descripti coxe bree	on of wa	ater: Fr : <u>300' =</u> : <u>8,23(</u> EIVE - 9 1999	esh, C: /500

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

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EGARIL	OCATION	Sec.	35-0	18-7		an a		<u>1. San</u>	Juan			
ATE:	8-12	-98	- - -				TYPE O	F COKE:	Lace	500 5	W	
EPTH:	300		1				AMT. OI	F COKE B	ACKFILL:	1500	ibs	ŕ.
IT SIZE							VENT P	IPE: 3			3	
RILLEF	R NAME:	Jack	Led	<u>petter</u>			PERF. F		attons.	200'		
IZE AN	D TYPE C	F CASIN	G: <u>8"</u> ,	PUC X	<u>'20'</u>		ANODE	AMT. & T	YPE: AN	otre .	Puiro	И
					1	Incoru	BOOLDI				00144 700	
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00			265	1.9		430						<u> </u>
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10			275	20	3	440		-	ANODE#		NO COK	
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25	1		290	1.8	,	455	1	1	3	273		4.
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35	3.0	<u></u>	400	†	t	565	1		25	<u> </u>		╆━━━
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45	2,8	6	410			575	1	1	27	<u> </u>		<u>†</u>
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255	1.7	1	420			585			29	[<u> </u>
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			1			595						
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OTAL		12,7			TOTAL	G/B RESI	STANCE	. 9				
REMAR	KS:	,		/	_							
			/									
eeived by OCD: 6/12/2023 1:25:28 PM	30-045-07	028 Page 37										
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DATE: 5/8/96	1	, v										
DATA SHEET FOR DEEP GROUND BED CATHODIC.PP NORTHWESTERN NEW MEXICO	OTECTION WELLS	•										
perator Meridian Oil Inc. Location: Unit	<u>G_Sec.34_Twp28</u>	Rng <u>09</u>										
ame of Well/Wells or Pipeline Serviced												
STOREY C#11	<i>\</i>											
levation 6824 Completion Date 5/8/94 Total Depth 4	91 Land Type F											
asing Strings, Sizes, Types & Depths $5/7 > a7 59$	· · · ·											
No GAS, WATER, OF Boulders Were ENCOUNTERE												
f Casing Strings are cemented, show amounts & type												
WITH 15 SACKS												
f Cement or Bentonite Plugs have been placed, show	depths & amount	s used										
NONE	•											
Depths & thickness of water zones with description	of water: Fresh,	Clear,										
Salty, Sulphur, Etc. NIT Fresh WATER AT 30	-	·										
		<u></u>										
Depths gas encountered: NONe	,,, <u>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</u> ,,,,,,											
Ground bed depth with type & amount of coke breeze	used: 491 D	PEDTH,										
Used 130 SACKS OF ASbury 218R (6500	•											
Depths anodes placed: 475, 465, 455, 445, 435, 425, 415, 405,		5,230,+165										
Depths vent pipes placed: Sufface To 491.												
Vent pipe perforations: Bottom 360	DECEIVED											
Remarks:	FEB 1 9 1997	<u>;</u>										
	MIL COM DUCA	, ,										
	DUST 3											
If any of the above data is unavailable, please ind		sofall										

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	15-00	- <u></u>				Torey						
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Rie	110 7	0 115			1.00.01		100	1210	DIN	led.	COR	٢
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170	.9		365	1.2		560			<u> </u>	405	1.6	3,1
173			370	1. 2		565			_10	374	<u>]. H</u>]. 3	3.2
180			375	<u> </u>		570_			11	345	1.2	3.6
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195	, ,		390			<u>_580</u>			_13	215	1.5	32
200			395		=9-1	<u>585</u>			14	20	3.0	5.4
205	3		400	1, 7		595			<u>15</u> <u>16</u>	17.5		5.3
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220	<u> </u>		410			605			18		†	†
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230	2.9	-14	425	1.8	=6-1	<u>615</u> 620		 	20			
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_230	<u> </u>		440			635			24	i ———	f	†
255	1.0		445	2.9	4	640			23			<u> </u>
260	1.1		455		3	<u>645</u>			_26			
265	1.1		460			<u>630</u> 633			27			
270	$\left \frac{1}{2} \right $		465	$-\epsilon_{\rm e} \xi_{\rm e}$	2	666	·		28	·	¦	ł
275			470	<u> </u>		665			30	<u> </u>	†	
285			475	<u></u> 4 4		670						1
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CPS GROUND BED CONSTRUCTION WORKSHEET

Released to Imaging: 6/13/2023 7:49:31 AM- Division Corresson Buserviser

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APPENDIX C

Executed C-138 Solid Waste Acceptance Form R

eceived by OCD: 6/12/2023 1:25:28 PM		Page 4
<u>District I</u> 1625 N. French Dr., Hobbs, NM 88240 <u>District II</u> 1301 W. Grand Avenue, Artesia, NM 88210 <u>District III</u> 1000 Rio Brazos Road, Aztec, NM 87410 <u>District IV</u> 1220 S. St. Francis Dr., Santa Fe, NM 87505	State of New Mexico Energy Minerals and Natural Resources Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505	Form C-138 Revised 08/01/11 *Surface Waste Management Facility Operator and Generator shall maintain and make this documentation available for Division inspection. 97057-1125
	OR APPROVAL TO ACCEPT	SOLID WASTE
1. Generator Name and Address: Enterprise Field Services, LLC, 614 Reilly	Ave, Farmington NM 87401	PayKey: EM20767 PM: ME Eddleman AFE: A60159
2. Originating Site: Lateral C-28		,
3. Location of Material (Street Address, UL N Section 3 T27N R9W; 36.597674	City, State or ULSTR): 4, -107.776343	June - Sept.
4. Source and Description of Waste: Source: Remediation activities associated Description: Hydrocarbon/Condensate impa Estimated Volume _50 yd/ bbls Known	with a natural gas pipeline leak. cted soil associated natural gas pipeline release. Volume (to be entered by the operator at the end	d of the haul) $392/65yd^3/bbls$
	DR CERTIFICATION STATEMENT OF WA	
Generator Signature certify that according to the Resource Conser	authorized agent for Enterprise Products Operati vation and Recovery Act (RCRA) and the US E d waste is: (Check the appropriate classification)	nvironmental Protection Agency's July 1988
	nerated from oil and gas exploration and product Waste Acceptance Frequency Monthly	
characteristics established in RCRA regu	e which is non-hazardous that does not exceed the ilations, 40 CFR 261.21-261.24, or listed hazard locumentation is attached to demonstrate the abo	ous waste as defined in 40 CFR, part 261,
□ MSDS Information □ RCRA Hazardo		□ Other (Provide description in Box 4)
GENERATOR 19.15.36.15 WA	STE TESTING CERTIFICATION STATEM	IENT FOR LANDFARMS
I, Thomas Long 7-7-2022, represe Generator Signature the required testing/sign the Generator Waster	entative for Enterprise Products Operating authore Testing Certification.	prizes Envirotech, Inc. to complete
have been found to conform to the specific re	the for <u>Envirotech, Inc.</u> have been subjected to the paint filter test and test equirements applicable to landfarms pursuant to demonstrate the above-described waste conform	Section 15 of 19.15.36 NMAC. The results
5. Transporter: TBD		
OCD Permitted Surface Waste Manageme	ent Facility	

Address of Facility:		. Soil Remediation Fa	cility * Permit #	#: NM 01-0011		
Method of Treatme				100-11-12-1	1	
Eva	oration Injection	Treating Plant	🛛 Landfarm	Landfill	Other	
Waste Acceptance Sta	tus:		· · · · · · · · · · · · · · · · · · ·			
	AP	PROVED	DEN	IED (Must Be	Maintained As Pe	rmanent Record)
PRINT NAME: G	reg Crabture	- TITLE:	Enutro	MANAGI	L DATE:	17122
SIGNATURE:	Par 1 A	TELEP	HONE NO .:	\mathcal{O}		
	Waste Management Facility Au	thorized Agent	5	505-632-0615		
V						

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APPENDIX D

Photographic Documentation

Released to Imaging: 6/13/2023 7:49:31 AM

SITE PHOTOGRAPHS

Closure Report Enterprise Field Services, LLC Lateral C-28 (08/04/22) Ensolum Project No. 05A1226197



Photograph 1

Photograph Description: View of the inprocess excavation activities.



Photograph 2

Photograph Description: View of the inprocess excavation activities.



Photograph 3

Photograph Description: View of the final excavation.



SITE PHOTOGRAPHS

Closure Report Enterprise Field Services, LLC Lateral C-28 (08/04/22) Ensolum Project No. 05A1226197



Photograph 4

Photograph Description: View of the site after initial restoration.





APPENDIX E

Regulatory Correspondence

Released to Imaging: 6/13/2023 7:49:31 AM

From:	Kyle Summers
То:	Chad D"Aponti
Cc:	Ranee Deechilly
Subject:	FW: [EXTERNAL] Lateral C-28 - UL G Section 13 T27N R13W; 36.57710, -107.16753; Incident # nAPP2214553570
Date:	Friday, August 12, 2022 8:07:38 AM
Attachments:	image003.png image004.png image005.png



Kyle Summers Principal 903-821-5603 Ensolum, LLC

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

Sent: Friday, August 12, 2022 8:06 AM

To: Long, Thomas <tjlong@eprod.com>; Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>; rjoyner@blm.gov

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

Subject: RE: [EXTERNAL] Lateral C-28 - UL G Section 13 T27N R13W; 36.57710, -107.16753; Incident # nAPP2214553570

[**EXTERNAL EMAIL**]

Tom,

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

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

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

Regards

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

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

From: Long, Thomas <tilong@eprod.com>
Sent: Wednesday, August 10, 2022 1:03 PM
To: Velez, Nelson, EMNRD <<u>Nelson.Velez@state.nm.us</u>>; Bratcher, Mike, EMNRD
<<u>mike.bratcher@state.nm.us</u>>; rjoyner@blm.gov
Cc: Stone, Brian <<u>bmstone@eprod.com</u>>; Kyle Summers <<u>ksummers@ensolum.com</u>>
Subject: [EXTERNAL] Lateral C-28 - UL G Section 13 T27N R13W; 36.57710, -107.16753; Incident #
nAPP2214553570

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

Nelson/Ryan,

This email is a variance request and notification. Enterprise is requesting a variance for required 48 hour notification per 19.15.29.12D (1a) NMAC. Enterprise would like to collect closure samples on Friday August 12, 2022 at 8:30 a.m. at the Lateral C-28 excavation. Please acknowledge acceptance of this variance request. If you have any questions, please call or email.

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



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



APPENDIX F

Table 1 – Soil Analytical Summary

Released to Imaging: 6/13/2023 7:49:31 AM

ENSOLUM

	TABLE 1 Lateral C-28 (08/04/22) SOIL ANALYTICAL SUMMARY												
Sample I.D.	Date	Sample Type C- Composite G - Grab	Sample Depth (feet)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylenes (mg/kg)	Total BTEX ¹ (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH MRO (mg/kg)	Total Combined TPH (GRO/DRO/MRO) ¹ (mg/kg)	Chloride (mg/kg)
	Depa	neral & Natural R rtment on Closure Criter		10	NE	NE	NE	50	NE	NE	NE	100	600
						Excavation Com	posite Soil San	nples					
S-1	8.12.22	С	12 to 14	<0.085	<0.17	<0.17	<0.34	ND	<17	<14	<47	ND	83
S-2	8.12.22	С	12 to 14	<0.084	<0.17	<0.17	<0.34	ND	<17	<14	<46	ND	83
S-3	8.12.22	С	12 to 14	0.015	0.076	<0.030	0.11	0.20	<3.0	<15	<49	ND	84
S-4	8.12.22	С	0 to 12	<0.021	0.046	<0.042	<0.083	0.046	<4.2	<14	<48	ND	<60
S-5	8.12.22	С	0 to 12	<0.018	0.038	<0.035	0.084	0.12	<3.5	<14	<46	ND	<60
S-6	8.12.22	С	0 to 12	<0.017	<0.034	<0.034	<0.068	ND	<3.4	<15	<49	ND	<60
S-7	8.12.22	С	0 to 14	<0.018	<0.036	<0.036	<0.072	ND	<3.6	34	<50	34	<59
S-8	8.12.22	С	0 to 14	<0.018	0.050	<0.036	0.28	0.33	<3.6	<15	<50	ND	110
S-9	8.12.22	С	0 to 14	<0.017	<0.035	<0.035	0.11	0.11	<3.5	<15	<49	ND	97
S-10	8.12.22	С	0 to 14	<0.018	<0.035	<0.035	<0.070	ND	<3.5	<15	<49	ND	79
S-11	8.12.22	С	0 to 12	<0.019	<0.039	<0.039	<0.078	ND	<3.9	66	<48	66	82

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

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

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

NA = Not Analyzed

NE = Not established

mg/kg = milligram per kilogram

BTEX = Benzene, Toluene, Ethylbenzene, and Xylenes

TPH = Total Petroleum Hydrocarbons

GRO = Gasoline Range Organics

DRO = Diesel Range Organics

MRO = Motor Oil/Lube Oil Range Organics



APPENDIX G

Laboratory Data Sheets & Chain of Custody Documentation



August 18, 2022

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

RE: Lateral C 28 West

OrderNo.: 2208872

Hall Environmental Analysis Laboratory

TEL: 505-345-3975 FAX: 505-345-4107

Website: www.hallenvironmental.com

4901 Hawkins NE

Albuquerque, NM 87109

Dear Kyle Summers:

Hall Environmental Analysis Laboratory received 11 sample(s) on 8/13/2022 for the analyses presented in the following report.

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

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

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

Sincerely,

andy

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2208872

Date Reported: 8/18/2022

CLIENT: ENSOLUM		CI	iont Somple II	.	1			
			ient Sample II					
Project: Lateral C 28 West	Collection Date: 8/12/2022 8:30:00 AM							
Lab ID: 2208872-001	Matrix: SOIL		Received Dat	e: 8/1	13/2022 7:40:00 AM			
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch		
EPA METHOD 300.0: ANIONS					Analys	it: JMT		
Chloride	83	60	mg/Kg	20	8/15/2022 11:43:01 AN	69495		
EPA METHOD 8015M/D: DIESEL RANG	E ORGANICS				Analys	t: SB		
Diesel Range Organics (DRO)	ND	14	mg/Kg	1	8/15/2022 12:35:11 PN	l 69488		
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	8/15/2022 12:35:11 PN	69488		
Surr: DNOP	97.2	21-129	%Rec	1	8/15/2022 12:35:11 PM	69488		
EPA METHOD 8015D: GASOLINE RAN	GE				Analys	t: NSB		
Gasoline Range Organics (GRO)	ND	17	mg/Kg	5	8/15/2022 9:38:23 AM	G90279		
Surr: BFB	84.9	37.7-212	%Rec	5	8/15/2022 9:38:23 AM	G90279		
EPA METHOD 8021B: VOLATILES					Analys	t: NSB		
Benzene	ND	0.085	mg/Kg	5	8/15/2022 9:38:23 AM	B90279		
Toluene	ND	0.17	mg/Kg	5	8/15/2022 9:38:23 AM	B90279		
Ethylbenzene	ND	0.17	mg/Kg	5	8/15/2022 9:38:23 AM	B90279		
Xylenes, Total	ND	0.34	mg/Kg	5	8/15/2022 9:38:23 AM	B90279		
Surr: 4-Bromofluorobenzene	97.8	70-130	%Rec	5	8/15/2022 9:38:23 AM	B90279		

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
- В Analyte detected in the associated Method Blank
- Е Estimated value
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 1 of 16

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2208872

Date Reported: 8/18/2022

CLIENT: ENSOLUM		Cli	ient Sample II	D: S-2	2				
Project: Lateral C 28 West	Collection Date: 8/12/2022 8:35:00 AM								
Lab ID: 2208872-002	Matrix: SOIL		Received Dat	e: 8 /1	13/2022 7:40:00 AM				
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch			
EPA METHOD 300.0: ANIONS					Analys	t: JMT			
Chloride	83	60	mg/Kg	20	8/15/2022 11:55:22 AM	69495			
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analys	t: SB			
Diesel Range Organics (DRO)	ND	14	mg/Kg	1	8/15/2022 12:59:08 PM	69488			
Motor Oil Range Organics (MRO)	ND	46	mg/Kg	1	8/15/2022 12:59:08 PM	69488			
Surr: DNOP	101	21-129	%Rec	1	8/15/2022 12:59:08 PM	69488			
EPA METHOD 8015D: GASOLINE RANG	E				Analys	t: NSB			
Gasoline Range Organics (GRO)	ND	17	mg/Kg	5	8/15/2022 10:01:45 AM	G90279			
Surr: BFB	87.6	37.7-212	%Rec	5	8/15/2022 10:01:45 AM	G90279			
EPA METHOD 8021B: VOLATILES					Analys	t: NSB			
Benzene	ND	0.084	mg/Kg	5	8/15/2022 10:01:45 AM	B90279			
Toluene	ND	0.17	mg/Kg	5	8/15/2022 10:01:45 AM	B90279			
Ethylbenzene	ND	0.17	mg/Kg	5	8/15/2022 10:01:45 AM	B90279			
Xylenes, Total	ND	0.34	mg/Kg	5	8/15/2022 10:01:45 AM	B90279			
Surr: 4-Bromofluorobenzene	98.6	70-130	%Rec	5	8/15/2022 10:01:45 AM	B90279			

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
- В Analyte detected in the associated Method Blank
- Е Estimated value
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

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Hall Environmental Analysis Laboratory, Inc.

Lab Order 2208872

Date Reported: 8/18/2022

CLIENT: ENSOLUM		Cli	ient Sample II	D: S-:	3				
Project: Lateral C 28 West	Collection Date: 8/12/2022 8:40:00 AM								
Lab ID: 2208872-003	Matrix: SOIL		Received Dat	e: 8/1	13/2022 7:40:00 AM				
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch			
EPA METHOD 300.0: ANIONS					Analy	/st: JMT			
Chloride	84	60	mg/Kg	20	8/15/2022 12:07:42 P	M 69495			
EPA METHOD 8015M/D: DIESEL RA	NGE ORGANICS				Analy	vst: SB			
Diesel Range Organics (DRO)	ND	15	mg/Kg	1	8/15/2022 1:22:56 PM	69488			
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	8/15/2022 1:22:56 PM	69488			
Surr: DNOP	92.5	21-129	%Rec	1	8/15/2022 1:22:56 PM	69488			
EPA METHOD 8015D: GASOLINE RA	ANGE				Analy	vst: NSB			
Gasoline Range Organics (GRO)	ND	3.0	mg/Kg	1	8/15/2022 10:25:09 A	M G90279			
Surr: BFB	90.8	37.7-212	%Rec	1	8/15/2022 10:25:09 A	M G90279			
EPA METHOD 8021B: VOLATILES					Analy	vst: NSB			
Benzene	0.015	0.015	mg/Kg	1	8/15/2022 10:25:09 A	M B90279			
Toluene	0.076	0.030	mg/Kg	1	8/15/2022 10:25:09 A	M B90279			
Ethylbenzene	ND	0.030	mg/Kg	1	8/15/2022 10:25:09 A	M B90279			
Xylenes, Total	0.11	0.060	mg/Kg	1	8/15/2022 10:25:09 A	M B90279			
Surr: 4-Bromofluorobenzene	98.1	70-130	%Rec	1	8/15/2022 10:25:09 A	M B90279			

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
- В Analyte detected in the associated Method Blank
- Е Estimated value
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

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Hall Environmental Analysis Laboratory, Inc.

Lab Order 2208872

Date Reported: 8/18/2022

CLIENT: ENSOLUM		Cli	ent Sample II	D: S-4	4				
Project: Lateral C 28 West	Collection Date: 8/12/2022 8:45:00 AM								
Lab ID: 2208872-004	Matrix: SOIL		Received Dat	e: 8/1	13/2022 7:40:00 AM				
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch			
EPA METHOD 300.0: ANIONS					Analy	st: JMT			
Chloride	ND	60	mg/Kg	20	8/15/2022 12:20:03 P	M 69495			
EPA METHOD 8015M/D: DIESEL RA	NGE ORGANICS				Analy	st: SB			
Diesel Range Organics (DRO)	ND	14	mg/Kg	1	8/15/2022 1:53:59 PM	69488			
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	8/15/2022 1:53:59 PM	69488			
Surr: DNOP	104	21-129	%Rec	1	8/15/2022 1:53:59 PM	69488			
EPA METHOD 8015D: GASOLINE RA	ANGE				Analy	st: NSB			
Gasoline Range Organics (GRO)	ND	4.2	mg/Kg	1	8/15/2022 10:48:35 A	M G90279			
Surr: BFB	89.0	37.7-212	%Rec	1	8/15/2022 10:48:35 A	M G90279			
EPA METHOD 8021B: VOLATILES					Analy	st: NSB			
Benzene	ND	0.021	mg/Kg	1	8/15/2022 10:48:35 A	M B90279			
Toluene	0.046	0.042	mg/Kg	1	8/15/2022 10:48:35 A	M B90279			
Ethylbenzene	ND	0.042	mg/Kg	1	8/15/2022 10:48:35 A	M B90279			
Xylenes, Total	ND	0.083	mg/Kg	1	8/15/2022 10:48:35 A	M B90279			
Surr: 4-Bromofluorobenzene	100	70-130	%Rec	1	8/15/2022 10:48:35 A	M B90279			

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
- В Analyte detected in the associated Method Blank
- Е Estimated value
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

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Hall Environmental Analysis Laboratory, Inc.

Lab Order 2208872

Date Reported: 8/18/2022

CLIENT: ENSOLUM		Cl	ient Sample II	D: S-:	5				
Project: Lateral C 28 West	Collection Date: 8/12/2022 8:50:00 AM								
Lab ID: 2208872-005	Matrix: SOIL		Received Date: 8/13/2022 7:40:00 AM						
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch			
EPA METHOD 300.0: ANIONS					Analys	t: JMT			
Chloride	ND	60	mg/Kg	20	8/15/2022 12:32:24 PM	69495			
EPA METHOD 8015M/D: DIESEL RA	NGE ORGANICS				Analys	t: SB			
Diesel Range Organics (DRO)	ND	14	mg/Kg	1	8/15/2022 2:18:28 PM	69488			
Motor Oil Range Organics (MRO)	ND	46	mg/Kg	1	8/15/2022 2:18:28 PM	69488			
Surr: DNOP	91.5	21-129	%Rec	1	8/15/2022 2:18:28 PM	69488			
EPA METHOD 8015D: GASOLINE RA	ANGE				Analys	t: NSB			
Gasoline Range Organics (GRO)	ND	3.5	mg/Kg	1	8/15/2022 11:12:01 AM	G90279			
Surr: BFB	86.4	37.7-212	%Rec	1	8/15/2022 11:12:01 AM	G90279			
EPA METHOD 8021B: VOLATILES					Analys	t: NSB			
Benzene	ND	0.018	mg/Kg	1	8/15/2022 11:12:01 AM	B90279			
Toluene	0.038	0.035	mg/Kg	1	8/15/2022 11:12:01 AM	B90279			
Ethylbenzene	ND	0.035	mg/Kg	1	8/15/2022 11:12:01 AM	B90279			
Xylenes, Total	0.084	0.070	mg/Kg	1	8/15/2022 11:12:01 AM	B90279			
Surr: 4-Bromofluorobenzene	96.6	70-130	%Rec	1	8/15/2022 11:12:01 AM	B90279			

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
- В Analyte detected in the associated Method Blank
- Е Estimated value
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

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Hall Environmental Analysis Laboratory, Inc.

Lab Order 2208872

Date Reported: 8/18/2022

CLIENT: ENSOLUM		Cli	ient Sample II): S-(6				
Project: Lateral C 28 West	Collection Date: 8/12/2022 8:55:00 AM								
Lab ID: 2208872-006	Matrix: SOIL Received Date: 8/13/2022 7:40:00 AM								
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch			
EPA METHOD 300.0: ANIONS					Analys	t: JMT			
Chloride	ND	60	mg/Kg	20	8/15/2022 12:44:45 PM	69495			
EPA METHOD 8015M/D: DIESEL RANG	E ORGANICS				Analys	t: SB			
Diesel Range Organics (DRO)	ND	15	mg/Kg	1	8/15/2022 2:42:46 PM	69488			
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	8/15/2022 2:42:46 PM	69488			
Surr: DNOP	93.5	21-129	%Rec	1	8/15/2022 2:42:46 PM	69488			
EPA METHOD 8015D: GASOLINE RANG	GE				Analys	t: NSB			
Gasoline Range Organics (GRO)	ND	3.4	mg/Kg	1	8/15/2022 11:35:36 AM	G90279			
Surr: BFB	89.2	37.7-212	%Rec	1	8/15/2022 11:35:36 AM	G90279			
EPA METHOD 8021B: VOLATILES					Analys	t: NSB			
Benzene	ND	0.017	mg/Kg	1	8/15/2022 11:35:36 AM	B90279			
Toluene	ND	0.034	mg/Kg	1	8/15/2022 11:35:36 AM	B90279			
Ethylbenzene	ND	0.034	mg/Kg	1	8/15/2022 11:35:36 AM	B90279			
Xylenes, Total	ND	0.068	mg/Kg	1	8/15/2022 11:35:36 AM	B90279			
Surr: 4-Bromofluorobenzene	97.2	70-130	%Rec	1	8/15/2022 11:35:36 AM	B90279			

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
- Н 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
- В Analyte detected in the associated Method Blank
- Е Estimated value
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

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Hall Environmental Analysis Laboratory, Inc.

Lab Order 2208872

Date Reported: 8/18/2022

CLIENT: ENSOLUM		Client Sample ID: S-7								
Project: Lateral C 28 West	Collection Date: 8/12/2022 9:00:00 AM									
Lab ID: 2208872-007	Matrix: SOIL		Received Dat	e: 8/1	13/2022 7:40:00 AM					
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch				
EPA METHOD 300.0: ANIONS					Analyst	: JMT				
Chloride	ND	59	mg/Kg	20	8/15/2022 12:57:06 PM	69495				
EPA METHOD 8015M/D: DIESEL RA	NGE ORGANICS				Analyst	: SB				
Diesel Range Organics (DRO)	34	15	mg/Kg	1	8/15/2022 3:07:23 PM	69488				
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	8/15/2022 3:07:23 PM	69488				
Surr: DNOP	98.2	21-129	%Rec	1	8/15/2022 3:07:23 PM	69488				
EPA METHOD 8015D: GASOLINE RA	ANGE				Analyst	: NSB				
Gasoline Range Organics (GRO)	ND	3.6	mg/Kg	1	8/15/2022 11:59:09 AM	G90279				
Surr: BFB	89.7	37.7-212	%Rec	1	8/15/2022 11:59:09 AM	G90279				
EPA METHOD 8021B: VOLATILES					Analyst	: NSB				
Benzene	ND	0.018	mg/Kg	1	8/15/2022 11:59:09 AM	B90279				
Toluene	ND	0.036	mg/Kg	1	8/15/2022 11:59:09 AM	B90279				
Ethylbenzene	ND	0.036	mg/Kg	1	8/15/2022 11:59:09 AM	B90279				
Xylenes, Total	ND	0.072	mg/Kg	1	8/15/2022 11:59:09 AM	B90279				
Surr: 4-Bromofluorobenzene	98.7	70-130	%Rec	1	8/15/2022 11:59:09 AM	B90279				

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
- В Analyte detected in the associated Method Blank
- Е Estimated value
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

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Hall Environmental Analysis Laboratory, Inc.

Lab Order 2208872

Date Reported: 8/18/2022

CLIENT: ENSOLUM	Client Sample ID: S-8 Collection Date: 8/12/2022 9:05:00 AM									
Project: Lateral C 28 West										
Lab ID: 2208872-008	Matrix: SOIL	Matrix: SOIL Received Date: 8/13/2022 7:40:00 AM								
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch				
EPA METHOD 300.0: ANIONS					Analys	t: JMT				
Chloride	110	60	mg/Kg	20	8/15/2022 1:09:27 PM	69495				
EPA METHOD 8015M/D: DIESEL RAI	NGE ORGANICS				Analys	t: DGH				
Diesel Range Organics (DRO)	ND	15	mg/Kg	1	8/15/2022 2:07:26 PM	69488				
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	8/15/2022 2:07:26 PM	69488				
Surr: DNOP	94.0	21-129	%Rec	1	8/15/2022 2:07:26 PM	69488				
EPA METHOD 8015D: GASOLINE RA	NGE				Analys	t: NSB				
Gasoline Range Organics (GRO)	ND	3.6	mg/Kg	1	8/15/2022 12:22:46 PM	G90279				
Surr: BFB	90.3	37.7-212	%Rec	1	8/15/2022 12:22:46 PM	G90279				
EPA METHOD 8021B: VOLATILES					Analys	t: NSB				
Benzene	ND	0.018	mg/Kg	1	8/15/2022 12:22:46 PM	B90279				
Toluene	0.050	0.036	mg/Kg	1	8/15/2022 12:22:46 PM	B90279				
Ethylbenzene	ND	0.036	mg/Kg	1	8/15/2022 12:22:46 PM	B90279				
Xylenes, Total	0.28	0.072	mg/Kg	1	8/15/2022 12:22:46 PM	B90279				
Surr: 4-Bromofluorobenzene	98.5	70-130	%Rec	1	8/15/2022 12:22:46 PM	B90279				

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
- В Analyte detected in the associated Method Blank
- Е Estimated value
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

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Hall Environmental Analysis Laboratory, Inc.

Lab Order 2208872

Date Reported: 8/18/2022

CLIENT: ENSOLUM		Client Sample ID: S-9 Collection Date: 8/12/2022 9:10:00 AM								
Project: Lateral C 28 West										
Lab ID: 2208872-009	Matrix: SOIL		Received Dat	e: 8 /1	13/2022 7:40:00 AM					
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch				
EPA METHOD 300.0: ANIONS					Analys	t: JMT				
Chloride	97	60	mg/Kg	20	8/15/2022 1:21:48 PM	69495				
EPA METHOD 8015M/D: DIESEL RA	NGE ORGANICS				Analys	t: DGH				
Diesel Range Organics (DRO)	ND	15	mg/Kg	1	8/15/2022 2:21:16 PM	69488				
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	8/15/2022 2:21:16 PM	69488				
Surr: DNOP	95.6	21-129	%Rec	1	8/15/2022 2:21:16 PM	69488				
EPA METHOD 8015D: GASOLINE RA	ANGE				Analys	t: NSB				
Gasoline Range Organics (GRO)	ND	3.5	mg/Kg	1	8/15/2022 12:46:26 PM	G90279				
Surr: BFB	92.3	37.7-212	%Rec	1	8/15/2022 12:46:26 PM	G90279				
EPA METHOD 8021B: VOLATILES					Analys	t: NSB				
Benzene	ND	0.017	mg/Kg	1	8/15/2022 12:46:26 PM	B90279				
Toluene	ND	0.035	mg/Kg	1	8/15/2022 12:46:26 PM	B90279				
Ethylbenzene	ND	0.035	mg/Kg	1	8/15/2022 12:46:26 PM	B90279				
Xylenes, Total	0.11	0.070	mg/Kg	1	8/15/2022 12:46:26 PM	B90279				
Surr: 4-Bromofluorobenzene	101	70-130	%Rec	1	8/15/2022 12:46:26 PM	B90279				

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
- В Analyte detected in the associated Method Blank
- Е Estimated value
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

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Hall Environmental Analysis Laboratory, Inc.

Lab Order 2208872

Date Reported: 8/18/2022

CLIENT: ENSOLUM	Client Sample ID: S-10 Collection Date: 8/12/2022 9:15:00 AM								
Project: Lateral C 28 West									
Lab ID: 2208872-010	Matrix: SOIL		Received Date	e: 8/1	13/2022 7:40:00 AM				
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch			
EPA METHOD 300.0: ANIONS					Analyst	: JMT			
Chloride	79	61	mg/Kg	20	8/15/2022 1:34:09 PM	69495			
EPA METHOD 8015M/D: DIESEL RAM	IGE ORGANICS				Analyst	: DGH			
Diesel Range Organics (DRO)	ND	15	mg/Kg	1	8/15/2022 2:35:15 PM	69488			
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	8/15/2022 2:35:15 PM	69488			
Surr: DNOP	94.3	21-129	%Rec	1	8/15/2022 2:35:15 PM	69488			
EPA METHOD 8015D: GASOLINE RA	NGE				Analyst	: NSB			
Gasoline Range Organics (GRO)	ND	3.5	mg/Kg	1	8/15/2022 1:10:05 PM	G90279			
Surr: BFB	88.8	37.7-212	%Rec	1	8/15/2022 1:10:05 PM	G90279			
EPA METHOD 8021B: VOLATILES					Analyst	: NSB			
Benzene	ND	0.018	mg/Kg	1	8/15/2022 1:10:05 PM	B90279			
Toluene	ND	0.035	mg/Kg	1	8/15/2022 1:10:05 PM	B90279			
Ethylbenzene	ND	0.035	mg/Kg	1	8/15/2022 1:10:05 PM	B90279			
Xylenes, Total	ND	0.070	mg/Kg	1	8/15/2022 1:10:05 PM	B90279			
Surr: 4-Bromofluorobenzene	100	70-130	%Rec	1	8/15/2022 1:10:05 PM	B90279			

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
- Analyte detected in the associated Method Blank в
- Е Estimated value
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

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Hall Environmental Analysis Laboratory, Inc.

Lab Order 2208872

Date Reported: 8/18/2022

CLIENT: ENSOLUM	Client Sample ID: S-11 Collection Date: 8/12/2022 9:20:00 AM								
Project: Lateral C 28 West									
Lab ID: 2208872-011	Matrix: SOIL		Recei	ved Dat	e: 8/1	13/2022 7:40:00 AM			
Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch		
EPA METHOD 300.0: ANIONS						Analys	t: JMT		
Chloride	82	60		mg/Kg	20	8/15/2022 2:11:11 PM	69495		
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS					Analys	t: DGH		
Diesel Range Organics (DRO)	66	14		mg/Kg	1	8/15/2022 2:49:36 PM	69488		
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	8/15/2022 2:49:36 PM	69488		
Surr: DNOP	19.5	21-129	S	%Rec	1	8/15/2022 2:49:36 PM	69488		
EPA METHOD 8015D: GASOLINE RANG	E					Analys	t: NSB		
Gasoline Range Organics (GRO)	ND	3.9		mg/Kg	1	8/15/2022 1:57:34 PM	G90279		
Surr: BFB	89.1	37.7-212		%Rec	1	8/15/2022 1:57:34 PM	G90279		
EPA METHOD 8021B: VOLATILES						Analys	t: NSB		
Benzene	ND	0.019		mg/Kg	1	8/15/2022 1:57:34 PM	B90279		
Toluene	ND	0.039		mg/Kg	1	8/15/2022 1:57:34 PM	B90279		
Ethylbenzene	ND	0.039		mg/Kg	1	8/15/2022 1:57:34 PM	B90279		
Xylenes, Total	ND	0.078		mg/Kg	1	8/15/2022 1:57:34 PM	B90279		
Surr: 4-Bromofluorobenzene	102	70-130		%Rec	1	8/15/2022 1:57:34 PM	B90279		

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
- В Analyte detected in the associated Method Blank
- Е Estimated value
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

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Client: Project:		OLUM ral C 28 West									
Sample ID:	MB-69495 SampType: mblk			TestCode: EPA Method 300.0: Anions							
Client ID:	PBS	Batch	ID: 694	195	F	RunNo: 90	282				
Prep Date:	8/15/2022	Analysis Da	ate: 8/ '	15/2022	S	SeqNo: 32	220645	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		ND	1.5								
Sample ID:	LCS-69495	SampTy	/pe: Ics		Tes	tCode: EP	A Method	300.0: Anions	i		
Client ID:	LCSS	Batch	ID: 694	195	F	RunNo: 90	282				
Prep Date:	8/15/2022	Analysis Da	ate: 8/ '	15/2022	S	SeqNo: 32	20647	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		15	1.5	15.00	0	99.3	90	110			

Qualifiers:

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

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2208872

18-Aug-22

WO#:

QC SUMMARY REPORT Hall Enviro

C	Hall Environmental Analysis Laboratory, Inc.						
Client:	ENSOLUM						
Project:	Lateral C 28 West						
Sample ID: M	B-69488 Samp	Type: MBLK Tes	stCode: EPA Method 8015M/D: Diesel Range C	rganics			

Sample ID. WIE-09400	Sampiype. N		Testcode. EPA Method 60 15M/D: Diesei Range Organics						
Client ID: PBS	Batch ID: 6	9488	RunNo: 90269						
Prep Date: 8/15/2022	Analysis Date:	8/15/2022	S	SeqNo: 32	19899	Units: mg/K	g		
Analyte	Result PQL	. SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND 1	5							
Motor Oil Range Organics (MRO)	ND 5	0							
Surr: DNOP	10	10.00		99.8	21	129			
Sample ID: LCS-69488	SampType: L	.CS	Tes	tCode: EP	A Method	8015M/D: Die	sel Range	Organics	
Client ID: LCSS	Batch ID: 6	9488	F	RunNo: 90	269				
Prep Date: 8/15/2022	Analysis Date:	8/15/2022	S	SeqNo: 32	19900	Units: mg/K	g		
Analyte	Result PQL	. SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	47 1	5 50.00	0	93.9	64.4	127			
Surr: DNOP	4.3	5.000		86.4	21	129			
Sample ID: 2208872-001AMS	SampType: N	IS	Tes	tCode: EP	A Method	8015M/D: Die	sel Range	Organics	
Client ID: S-1	Batch ID: 6	9488	F	RunNo: 90269					
Prep Date: 8/15/2022	Analysis Date:	8/15/2022	S	SeqNo: 32	20015	Units: mg/K	g		
Analyte	Result PQL		SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	50 1		0	100	36.1	154			
Surr: DNOP	4.3	4.985		86.4	21	129			
Sample ID: 2208872-001AMSD	SampType: N	ISD	TestCode: EPA Method 8015M/D: Diesel Range Organics						
Client ID: S-1	Batch ID: 6	9488	F	RunNo: 90	269				
Prep Date: 8/15/2022	Analysis Date:	8/15/2022	S	SeqNo: 32	20016	Units: mg/K	g		
Analyte	Result PQL	. SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	51 1		0	104	36.1	154	2.41	33.9	
Surr: DNOP	4.2	4.912		86.5	21	129	0	0	
Sample ID: MB-69473	SampType: N	IBLK	Tes	tCode: EP	A Method	8015M/D: Die	sel Range	Organics	
Client ID: PBS	Batch ID: 6	9473	F	RunNo: 90	276				
Prep Date: 8/12/2022	Analysis Date:	8/16/2022	Ś	SeqNo: 32	21171	Units: %Rec			
Analyte	Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	8.3	10.00		83.1	21	129			
Sample ID: LCS-69473	SampType: L	.CS	Tes	tCode: EP	A Method	8015M/D: Die	sel Range	Organics	
Client ID: LCSS	Batch ID: 6	9473	F	RunNo: 90	276				
Prep Date: 8/12/2022	Analysis Date:	8/16/2022	S	SeqNo: 32	21173	Units: %Rec			
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

Н 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 S
- Analyte detected in the associated Method Blank В
- Е Estimated value

J Analyte detected below quantitation limits

Р Sample pH Not In Range

RL Reporting Limit Page 13 of 16

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Result

4.3

PQL

9

2208872

Qual

WO#:

RPDLimit

Hall E	nvironmen	tal Analysis Laboratory	v, Inc.	18-Aug-22
Client: Project:	ENSO Latera	LUM l C 28 West		
Sample ID	LCS-69473	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics	
Client ID:	LCSS	Batch ID: 69473	RunNo: 90276	
Prep Date:	8/12/2022	Analysis Date: 8/16/2022	SeqNo: 3221173 Units: %Rec	

%REC

86.6

LowLimit

21

HighLimit

129

%RPD

SPK value SPK Ref Val

5.000

Qualifiers:

Analyte

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 Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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ENSOLUM

Lateral C 28 West

Client:

Project:

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

6200

3381

Sample ID: mb	Samp	Туре: МІ	BLK	Tes	tCode: EF	PA Method	8015D: Gasol	ine Range		
Client ID: PBS		:h ID: G 9			TestCode: EPA Method 8015D: Gasoline Range RunNo: 90279					
Prep Date:	Analysis I				SeqNo: 32		Units: mq/K	a		
	, analyoio i	Dato. 0	IO/LOLL			220041	onito. Ing/It	9		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	910		1000		91.1	37.7	212			
Sample ID: 2.5ug gro Ics	Samp	Туре: LC	s	Tes	tCode: EF	PA Method	8015D: Gasol	ine Range		
Client ID: LCSS	Batc	h ID: G g	0279	F	RunNo: 9(0279				
Prep Date:	Analysis I	Date: 8/	15/2022	S	SeqNo: 32	220348	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	22	5.0	25.00	0	88.0	72.3	137			
Surr: BFB	1700		1000		165	37.7	212			
Sample ID: 2208872-001ams	Samp	Type: MS	8	Tes	tCode: EF	PA Method	8015D: Gasol	ine Range		
Client ID: S-1	Batc	:h ID: G 9	0279	F	RunNo: 9(0279				
Prep Date:	Analysis I	Date: 8 /	15/2022	S	SeqNo: 32	220349	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	74	17	84.52	0	87.4	70	130			
Surr: BFB	6000		3381		176	37.7	212			
Sample ID: 2208872-001amsd	Samp	Туре: М	SD	Tes	tCode: EF	PA Method	8015D: Gasol	ine Range		
Client ID: S-1	Batc	h ID: G g	0279	F	RunNo: 9(0279				
Prep Date:	Analysis I	Date: 8/	15/2022	S	SeqNo: 32	220350	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
	76	17	84.52		89.7	70	130	2.62	20	

Qualifiers:

Surr: BFB

- * 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

183

37.7

212

0

0

- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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WO#: 2208872

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

WO#:	2208872
	10 1

18-Aug-22

Client:	ENSOLU	м												
Project:	Lateral C													
	2000100 0	20												
Sample ID:	mb	Samp	Гуре: МВ	LK	TestCode: EPA Method 8021B: Volatiles									
Client ID:	PBS	Batc	h ID: B9	0279	F	RunNo: 90279								
Prep Date:		Analysis [Date: 8/ 1	15/2022	ŝ	SeqNo: 32	220377	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-Brom	ofluorobenzene	0.99		1.000		98.9	70	130						
Sample ID:	100ng btex Ics	Samp	Гуре: LC	s	Tes	tCode: EF	PA Method	8021B: Volati	les					
Client ID:	LCSS	Batc	h ID: B9	0279	F	RunNo: 9(0279							
Prep Date:		Analysis [Date: 8/ 1	15/2022	S	SeqNo: 32	220378	Units: mg/K	g					
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual			
Benzene		0.99	0.025	1.000	0	98.8	80	120						
Toluene		1.0	0.050	1.000	0	101	80	120						
Ethylbenzene		1.0	0.050	1.000	0	101	80	120						
Kylenes, Total		3.0	0.10	3.000	0	99.1	80	120						
Surr: 4-Brome	ofluorobenzene	1.0		1.000		101	70	130						
Sample ID:	2208872-002ams	Samp	Гуре: МS	;	Tes	tCode: EF	PA Method	8021B: Volati	les					
Client ID:	S-2	Batc	h ID: B9	0279	F	RunNo: 9(0279							
Prep Date:		Analysis [Date: 8/ 1	15/2022	S	SeqNo: 32	220379	Units: mg/K						
Apolita														
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual			
•		Result 3.3	PQL 0.084	SPK value 3.378	SPK Ref Val 0	%REC 97.4	LowLimit 68.8	HighLimit 120	%RPD	RPDLimit	Qual			
Benzene									%RPD	RPDLimit	Qual			
Benzene Foluene		3.3	0.084	3.378	0	97.4	68.8	120	%RPD	RPDLimit	Qual			
Benzene Foluene Ethylbenzene		3.3 3.4	0.084 0.17	3.378 3.378	0 0.04764	97.4 99.5	68.8 73.6	120 124	%RPD	RPDLimit	Qual			
Benzene Toluene Ethylbenzene Kylenes, Total	ofluorobenzene	3.3 3.4 3.4	0.084 0.17 0.17	3.378 3.378 3.378	0 0.04764 0	97.4 99.5 101	68.8 73.6 72.7	120 124 129	%RPD	RPDLimit	Qual			
Benzene Foluene Ethylbenzene Kylenes, Total Surr: 4-Bromo	ofluorobenzene 2208872-002amsd	3.3 3.4 3.4 10 3.6	0.084 0.17 0.17	3.378 3.378 3.378 10.14 3.378	0 0.04764 0 0.1321	97.4 99.5 101 99.4 106	68.8 73.6 72.7 75.7 70	120 124 129 126		RPDLimit	Qual			
Benzene Toluene Ethylbenzene Kylenes, Total Surr: 4-Bromo Sample ID:		3.3 3.4 3.4 10 3.6 Samp ⁻	0.084 0.17 0.17 0.34	3.378 3.378 3.378 10.14 3.378	0 0.04764 0 0.1321 Tes	97.4 99.5 101 99.4 106	68.8 73.6 72.7 75.7 70 PA Method	120 124 129 126 130		RPDLimit	Qual			
Benzene Foluene Ethylbenzene Kylenes, Total Surr: 4-Bromo Sample ID: Client ID:	2208872-002amsd	3.3 3.4 3.4 10 3.6 Samp ⁻	0.084 0.17 0.17 0.34 Fype: MS	3.378 3.378 3.378 10.14 3.378	0 0.04764 0 0.1321 Tes F	97.4 99.5 101 99.4 106 tCode: EF	68.8 73.6 72.7 75.7 70 PA Method	120 124 129 126 130	les	RPDLimit	Qual			
Benzene Toluene Ethylbenzene Kylenes, Total Surr: 4-Bromo Sample ID: Client ID: Prep Date:	2208872-002amsd	3.3 3.4 3.4 10 3.6 Samp Batc	0.084 0.17 0.17 0.34 Fype: MS	3.378 3.378 3.378 10.14 3.378 5D 5279 15/2022	0 0.04764 0 0.1321 Tes F	97.4 99.5 101 99.4 106 tCode: EF	68.8 73.6 72.7 75.7 70 PA Method	120 124 129 126 130 8021B: Volati	les	RPDLimit	Qual			
Benzene Foluene Ethylbenzene Kylenes, Total Surr: 4-Bromo Sample ID: Client ID: Prep Date: Analyte	2208872-002amsd	3.3 3.4 3.4 10 3.6 Samp ⁻ Batc Analysis I	0.084 0.17 0.17 0.34 Fype: MS h ID: B9 Date: 8 /	3.378 3.378 3.378 10.14 3.378 5D 5279 15/2022	0 0.04764 0 0.1321 Tes	97.4 99.5 101 99.4 106 tCode: EF RunNo: 90 SeqNo: 32	68.8 73.6 72.7 75.7 70 24 Method 2279 220380	120 124 129 126 130 8021B: Volati	les g					
Benzene Foluene Ethylbenzene Kylenes, Total Surr: 4-Bromo Sample ID: Client ID: Prep Date: Analyte Benzene	2208872-002amsd	3.3 3.4 3.4 10 3.6 Samp Batc Analysis I Result	0.084 0.17 0.17 0.34 Fype: MS h ID: B9 Date: 8 / [*] PQL	3.378 3.378 3.378 10.14 3.378 5D 5279 15/2022 SPK value	0 0.04764 0 0.1321 Tes F SPK Ref Val	97.4 99.5 101 99.4 106 tCode: EF RunNo: 90 SeqNo: 32 %REC	68.8 73.6 72.7 75.7 70 24 Method 2279 220380 LowLimit	120 124 129 126 130 8021B: Volati Units: mg/K HighLimit	les g %RPD	RPDLimit				
Toluene Ethylbenzene Xylenes, Total Surr: 4-Bromo Sample ID: Client ID: Prep Date: Analyte Benzene Toluene	2208872-002amsd	3.3 3.4 3.4 10 3.6 Samp Batc Analysis I Result 3.2	0.084 0.17 0.17 0.34 Fype: MS h ID: B9 Date: 8 / PQL 0.084	3.378 3.378 3.378 10.14 3.378 5D 5279 15/2022 SPK value 3.378	0 0.04764 0 0.1321 Tes F SPK Ref Val 0	97.4 99.5 101 99.4 106 tCode: EF RunNo: 90 SeqNo: 32 %REC 96.1	68.8 73.6 72.7 75.7 70 PA Method 0279 220380 LowLimit 68.8	120 124 129 126 130 8021B: Volati Units: mg/K HighLimit 120	les g %RPD 1.34	RPDLimit 20				
Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Bromo Sample ID: Client ID: Prep Date:	2208872-002amsd	3.3 3.4 3.4 10 3.6 Samp ⁻ Batc Analysis I Result 3.2 3.3	0.084 0.17 0.17 0.34 Fype: MS h ID: B9 Date: 8 / ² PQL 0.084 0.17	3.378 3.378 3.378 10.14 3.378 5D 0279 15/2022 SPK value 3.378 3.378	0 0.04764 0 0.1321 Tes F SPK Ref Val 0 0.04764	97.4 99.5 101 99.4 106 tCode: EF RunNo: 90 SeqNo: 32 %REC 96.1 96.9	68.8 73.6 72.7 75.7 70 PA Method 0279 220380 LowLimit 68.8 73.6	120 124 129 126 130 8021B: Volati Units: mg/K HighLimit 120 124	les g %RPD 1.34 2.65	RPDLimit 20 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 Quanitative Limit

- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank

E Estimated value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

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ANALYSIS	TEL: 505-345-3	4901 Hawk Albuquerque, NM 975 FAX: 505-34 v.hallenvironment	87109 San 5-4107	nple Log-In Check L	.ist
Client Name: ENSOLUM	Work Order Num	ber: 2208872		RcptNo: 1	
Received By: Juan Rojas	8/13/2022 7:40:00 /	AM	Guarda g		
Completed By: Juan Rojas	8/13/2022 8:03:17	۹M	Guan Say		
Reviewed By: MC	8/13/22				
Chain of Custody					
1. Is Chain of Custody complete?		Yes 🗸	No 🗌	Not Present	
2. How was the sample delivered?		Courier			
Log In 3. Was an attempt made to cool the same	nples?	Yes 🔽	No 🗌	NA 🗌	
4. Were all samples received at a tempe	rature of >0° C to 6.0°C	Yes 🖌	No 🗌		
5. Sample(s) in proper container(s)?		Yes 🗸	No		
6. Sufficient sample volume for indicated	test(s)?	Yes 🗹	No 🗌		
7. Are samples (except VOA and ONG) ${\sf p}$	properly preserved?	Yes 🗹	No 🗌		
8. Was preservative added to bottles?		Yes	No 🗸	NA 🗌	
9. Received at least 1 vial with headspace	e <1/4" for AQ VOA?	Yes	No 🗌	NA 🗹	
0. Were any sample containers received	broken?	Yes	No 🗹	# of preserved	
1. Does paperwork match bottle labels? (Note discrepancies on chain of custoo	iy)	Yes 🔽	No 🗌	bottles checked for pH: (<2 or >12 unless	noted)
2. Are matrices correctly identified on Cha	ain of Custody?	Yes 🗸	No 🗌	Adjusted?	
3. Is it clear what analyses were requeste	ed?	Yes 🗹	No 🗌		-1
4. Were all holding times able to be met? (If no, notify customer for authorization)		Yes 🗹	No 🗌	Checked by: JAS	13/22
pecial Handling (if applicable)					
15. Was client notified of all discrepancies	with this order?	Yes	No 🗌	NA 🗹	
Person Notified:	Date	Г			
By Whom:	Via:	🗌 eMail 🗌	Phone 🗌 Fax	In Person	
Regarding:					
Client Instructions:					
6. Additional remarks:					
17. <u>Cooler Information</u> Cooler No Temp °C Condition 1 1.1 Good	Seal Intact Seal No	Seal Date	Signed By		

Page 1 of 1

Rec	eived 2/22	bate:	$z = \sqrt{c/2}$	6/1 te:	2/2	023	12/12	28/2	er/J	8/ia	Sliz	5/2	5/12	8/2	5/12	8/12	Date			NELAC	Accrec	Standard	QA/QC	email	Phone #:	S	Mailing	P	ige lient:	8 of 6	9
If necessary	18/	Time:	1155	Time:		920	216	910	905	900	855	258	548	840	835	830	Time		D (Type)	LAC	Accreditation:	ndard	QA/QC Package:	email or Fax#:	#	4.0	Mailing Address:		1	Chain	
, samples su		Relinquished by:		Relinguished by:		λ	λ	5	5	5	S	5	5	5	N	5	Matrix			□ Other_	□ Az C		••			A	s: 606		nsol	-of-C	
If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report	WH	hed by:		hed hv:			1.0			S	10	6	S	10	2		Samp			er	Az Compliance	Level 4				8.741	S		cm,	Chain-of-Custody Record	
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accredited la	(ounder	Via:	Nar	Wa.	1000	(nal)	Car	Cou	1 so	260	Coo	Coo	Cod	h	los	log	Preservative Type	Cooler Temp(Including CF):	MORE R	AYes	001	Sum		ager:	CSA 122		Nal	le:		Time:	
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District I 1625 N. French Dr., Hobbs, NM 88240 Phone:(575) 393-6161 Fax:(575) 393-0720 District II

811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720

District III

1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

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

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

CONDITIONS

Operator:	OGRID:
Enterprise Field Services, LLC	241602
PO Box 4324	Action Number:
Houston, TX 77210	226472
	Action Type:
	[C-141] Release Corrective Action (C-141)

CONDITIONS

Created By		Condition Date
nvelez	None	6/13/2023

CONDITIONS

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Action 226472