

CLOSURE REPORT

Property:

Federal 12-1H Battery

Eddy County, New Mexico 32.32150° N, 103.81203° W NMOCD Incident ID: nAB1700440047

December 13, 2023 Ensolum Project No. 03B1417058

Prepared for:

Oxy USA Inc. P.O. Box 4294 Houston, TX 77210 Attn: Mr. Wade Dittrich

Prepared by:

Beaux Jennings Senior Project Manager

Heather Holthaus Senior Project Manager



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CLOSURE REPORT

Federal 12-1H Battery

Eddy County, New Mexico 32.32150° N, 103.81203° W NMOCD Incident ID: nAB1700440047

Ensolum Project No. 03B1417058

1.0 INTRODUCTION

1.1 Executive Summary

- On December 16, 2016, a release of produced water was reported from a water transfer line due to a failure in the line at the Federal 12-1H Battery, hereinafter referred to as the "Site". Approximately 20 barrels (bbls) of produced water were released onto the ground surface with approximately 10 bbls recovered. The release impacted an area approximately 75 feet long by 175 feet wide. The line was shut down and repaired and initial response actions were conducted at the Site. The Remediation Work Plan, prepared by BBC International Incorporated (BBC) on behalf of Oxy USA Inc. (Oxy), stated that the impacted area would be excavated to depths ranging from 3.5 to 5.5 feet below ground surface (bgs). A copy of the approved Remediation Work Plan is included in Appendix B.
- Excavation activities were conducted based on visual and laboratory evidence of impairment. Subsequent to completion of excavation activities, between September 12 and September 19, 2023, Ensolum arrived on-Site and collected a total of 48 composite soil samples from 48 locations on the excavation floor (FS-1 through FS-48), and 13 composite soil samples from 12 locations on the excavation sidewalls (SW-1 through SW-12). The composite floor samples were collected from depths ranging from 3 to 6 feet bgs, and the composite sidewall samples were collected from depths ranging from 0-3 feet bgs. In addition, Ensolum collected nine delineation soil samples from locations outside the release area (DS-1 through DS-9) at a depth of 0-0.25 feet bgs. Additionally, in accordance with the BBC Remediation Work Plan, a liner was placed in the vicinity of previously collected soil sample location SP1, inside the excavation, prior to backfilling.
- Based on the laboratory analytical results of the final soil samples, no additional excavation was required.
- The primary objective of the closure activities was to reduce chemical of concern (COC) concentrations in the on-Site soils to below the applicable New Mexico Energy, Minerals and Natural Resources Department (EMNRD) Oil Conservation Division (OCD) Closure Criteria for Soils Impacted by a Release using the New Mexico Administrative Code (NMAC) 19.15.29 Releases as guidance.
- Based on the laboratory analytical results, the final composite and delineation soil samples collected from the excavation did not exhibit benzene, total benzene, toluene, ethylbenzene, and xylene (BTEX), total petroleum hydrocarbons (TPH), gasoline range organics (GRO), diesel range organics (DRO), motor oil range organics (MRO) or chloride concentrations above the applicable NMOCD Closure Criteria. Subsequent to the results of the confirmation soil sampling, the excavated soils were removed and taken off-Site for proper disposal and the excavated area was backfilled with clean fill material, and then contoured to the original surrounding grade. Once the area was brought back to original grade, a Bureau of Land Management (BLM) approved seed mixture was sown into the surface area of the backfill for re-vegetation.



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

1.2 Site Description & Background

Operator:	Oxy USA Inc. (Oxy)
Site Name:	Federal 12-1H Battery
Location:	32. 32150 N, 103.81203 W Eddy County, New Mexico
Property:	Bureau of Land Management (BLM)
Regulatory:	New Mexico Energy, Minerals and Natural Resources Department (EMNRD) Oil Conservation Division (OCD)

The Topographic Map depicting the location of the Site is included as **Figure 1**, the Site Vicinity Map is included as **Figure 2**, the Site Map indicating the locations of composite soil samples is included as **Figure 3**, and the Closure Criteria Map is included as **Figure 4** in **Appendix A**.

1.3 Project Objective

The primary objective of the closure activities was to reduce COC concentrations in the on-Site soils to below the applicable New Mexico EMNRD OCD closure criteria concentrations.

2.0 CLOSURE CRITERIA

The Site is subject to regulatory oversight by the New Mexico EMNRD OCD. In order to address activities related to exempt oil and gas releases, the New Mexico EMNRD OCD references NMAC 19.15.29 *Releases*, which establishes investigation and abatement action requirements for sites subject to reporting and/or corrective action. Ensolum utilized information provided by Oxy, the general site characteristics, and information available from the New Mexico Office of the State Engineer (OSE) and the New Mexico EMNRD OCD Imaging database to determine the appropriate closure criteria for the Site.

- The Site is not located within 300 feet of a New Mexico ENMRD OCD-defined continuously flowing watercourse or any other significant watercourse.
- The Site is not located within 200 feet of a lakebed, sinkhole, or playa lake.
- The Site is not located within 300 feet from an occupied permanent residence, school, hospital, institution, or church.
- According to the OSE WRSS database there are no private, domestic freshwater wells used by less than five (5) households for domestic or stock water purposes identified within 500 feet of the Site.
- According to the OSE WRSS database there are no freshwater wells identified within 1,000 feet of the Site as declared in the previous bullet.
- 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 NMSA 1978, Section 3-27-3.



- The Site is not located within 300 feet of a wetland.
- Based on information identified on the New Mexico Mining and Minerals Division's GIS, Maps and Mine Data database, the Site is not located within an area overlying a subsurface mine.
- Based on the Karst Occurrence Potential (.kmz) provided by the Bureau of Land Management (BLM), the Site is not located within an unstable area.
- The Site is noted to be located within an area of minimal flood hazard.
- A search of the OSE WRSS database was conducted for water wells within 0.5-mile radius of the Site in order to determine the depth to groundwater in the vicinity of the Site. C-02492-POD2 was identified approximately 1,050 feet north of the Site, with a recorded depth to groundwater of 125 feet bgs (C-02492-POD2). The search also identified information on several historical USGS wells within 500 feet of the Site (321918103484301, 321918103484302, and 321913103483701), dating back to 1959. These wells were plugged and abandoned in the mid 1980's to early 1990s.

Based on the identified siting criteria, cleanup goals for soils remaining in place at the Site include:

	Closure Criteria fo	or Soils Impacted by a Rel	ease
Minimum depth below any point within horizontal boundary of the release to groundwater less than 10,000 mg/l TDS	Constituent	Method	Limit
>100 feet	Chloride	EPA 300.0 or SM4500 CI B	20,000 mg/kg
	TPH (GRO+DRO)	EPA SW-846 Method 8015M	1,000 mg/kg
	TPH (GRO+DRO+MRO)	EPA SW-846 Method 8015M	2,500 mg/kg
	BTEX	EPA SW-846 Method 8021B or 8260B	50 mg/kg
	Benzene	EPA SW-846 Method 8021B or 8260B	10 mg/kg

3.0 SOIL REMEDIATION ACTIVITIES

On December 16, 2016, a release of produced water was reported from a water transfer line due to a failure in the line at the Federal 12-1H Battery. Approximately 20 bbls of produced water were released onto the ground surface with approximately 10 bbls recovered. The release impacted an area approximately 75 feet long by 175 feet wide. The line was shut down and repaired and initial response actions were conducted at the Site. The Remediation Work Plan, prepared by BBC on behalf of Oxy, stated that the impacted area would be excavated to depths ranging from 3.5 to 5.5 feet bgs, and was approved by the NMOCD on February 7, 2017, and the BLM on February 14, 2017. A copy of the approved Remediation Work Plan is included in **Appendix B**.



Excavation activities were conducted based on visual and laboratory evidence of impairment. Subsequent to completion of excavation activities, between September 12 and September 19, 2023, Ensolum arrived on-Site and collected a total of 48 composite soil samples from 48 locations on the excavation floor (FS-1 through FS-48), and 13 composite soil samples from 12 locations on the excavation sidewalls (SW-1 through SW-12). The composite floor samples were collected from depths ranging from 3 to 6 feet bgs, and the composite sidewall samples were collected from depths ranging from 0-3 feet bgs. In addition, Ensolum collected nine delineation soil samples from locations outside the release area (DS-1 through DS-9) at a depth of 0-0.25 feet bgs. Additionally, in accordance with the BBC Remediation Work Plan, a liner was placed in the vicinity of previously collected soil sample location SP1, inside the excavation, prior to backfilling.

Based on the laboratory analytical results of the final soil samples, no additional excavation was required.

The lithology encountered during the completion of sampling activities consisted primarily of a pink and yellow silty sand.

Figure 3 identifies approximate pothole soil sample locations and approximate dimensions of the impacted area with respect to the Site (**Appendix A**). Photographic documentation of the field activities is included in **Appendix C**.

4.0 SOIL SAMPLING PROGRAM

Ensolum's composite soil sampling program included the collection of 48 composite soil samples from 48 locations on the excavation floor (FS-1 through FS-48), and 13 composite soil samples from 12 locations on the excavation sidewalls (SW-1 through SW-12). The composite floor samples were collected from depths ranging from 3 to 6 feet bgs, and the composite sidewall samples were collected from depths ranging from 0-3 feet bgs. In addition, Ensolum collected nine delineation soil samples from locations outside the release area (DS-1 through DS-9) at a depth of 0-0.25 feet bgs. In addition, a liner was placed in the vicinity of SP1 inside the excavation.

The composite soil samples were collected and placed in laboratory prepared glassware, labeled/sealed using laboratory supplied labels and custody seals, and stored on ice in a cooler. The samples were relinquished to Cardinal Laboratories in Hobbs, New Mexico for standard laboratory analysis.

5.0 SOIL LABORATORY ANALYTICAL METHODS

The composite and delineation soil samples were analyzed for BTEX utilizing Environmental Protection Agency (EPA) SW-846 Method 8021B, TPH GRO/DRO/MRO utilizing EPA SW-846 Method 8015M, and chloride utilizing EPA Method 4500-CI B.

Laboratory analytical results are summarized in **Table 1** in **Appendix D**. The executed chain-of-custody forms and laboratory analytical reports are provided in **Appendix E**.

6.0 DATA EVALUATION

Ensolum compared the benzene, total BTEX, TPH GRO/DRO, TPH GRO/DRO/MRO, and chloride concentrations associated with the final composite soil samples collected from the excavation floor (FS-1 through FS-48), the excavation sidewalls (SW-1 through SW-12), and the delineation soil samples collected from locations outside the release area (DS-1 through DS-9) to the applicable NMOCD Closure Criteria.

 Laboratory analytical results indicate benzene concentrations for the composite and delineation soil samples are below the laboratory sample detection limits (SDLs), which are below the applicable NMOCD Closure Criteria of 10 milligrams per kilogram (mg/kg).



- Laboratory analytical results indicate that total BTEX concentrations for the composite and delineation soil samples are below the laboratory SDLs, which are below the applicable NMOCD Closure Criteria of 50 mg/kg.
- Laboratory analytical results indicate combined TPH GRO/DRO concentrations for the composite
 and delineation soil samples are below the laboratory SDLs, which are below the applicable
 NMOCD Closure Criteria of 1,000 mg/kg for groundwater at >100 feet.
- Laboratory analytical results indicate combined TPH GRO/DRO/MRO concentrations for the composite and delineation soil samples are below the laboratory SDLs, which are below the applicable NMOCD Closure Criteria of 2,500 mg/kg for groundwater at >100 feet.
- Laboratory analytical results indicate chloride concentrations for the final composite and delineation soil samples are below the applicable NMOCD Closure Criteria of 20,000 mg/kg for groundwater at >100 feet.

Laboratory analytical results are summarized in Table 1 in Appendix D.

7.0 RECLAMATION AND RE-VEGETATION

Subsequent to the results of the final confirmation soil sampling, the identified impacted soils were removed and taken off-Site for proper disposal. The excavated area was backfilled with clean fill material, and then contoured to the original surrounding grade. Once the area was brought back to original grade, a BLM approved seed mixture was sown into the surface area of the backfill for re-vegetation.

8.0 FINDINGS AND RECOMMENDATION

- On December 16, 2016, a release of produced water was reported from a water transfer line due to a failure in the line at the Federal 12-1H Battery. Approximately 20 bbls of produced water were released onto the ground surface with approximately 10 bbls recovered. The release impacted an area approximately 75 feet long by 175 feet wide. The line was shut down and repaired and initial response actions were conducted at the Site. The Remediation Work Plan, prepared by BBC on behalf of Oxy, stated that the impacted area would be excavated to depths ranging from 3.5 to 5.5 feet bgs. A copy of the approved Remediation Work Plan is included in Appendix B.
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- Based on the laboratory analytical data of the final soil samples, no additional excavation was required.
- The primary objective of the closure activities was to reduce COC concentrations in the on-Site soils to below the applicable New Mexico EMNRD OCD Closure Criteria for Soils Impacted by a Release using the NMAC 19.15.29 Releases as guidance.



- Based on the laboratory analytical results, the final composite and delineation soil samples collected from the excavation did not exhibit benzene, BTEX, TPH GRO/DRO, TPH GRO/DRO/MRO or chloride concentrations above the applicable NMOCD Closure Criteria.
- Subsequent to the results of the final confirmation soil sampling, the identified impacted soils were removed and taken off-Site for proper disposal. The excavated area was backfilled with clean fill material, and then contoured to the original surrounding grade. Once the area was brought back to original grade, a BLM approved seed mixture was sown into the surface area of the backfill for revegetation.

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). This scope of services was performed in accordance with the scope of work agreed with the client, as detailed in our proposal.

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 recommendations are based solely upon data available to Ensolum at the time of these services.

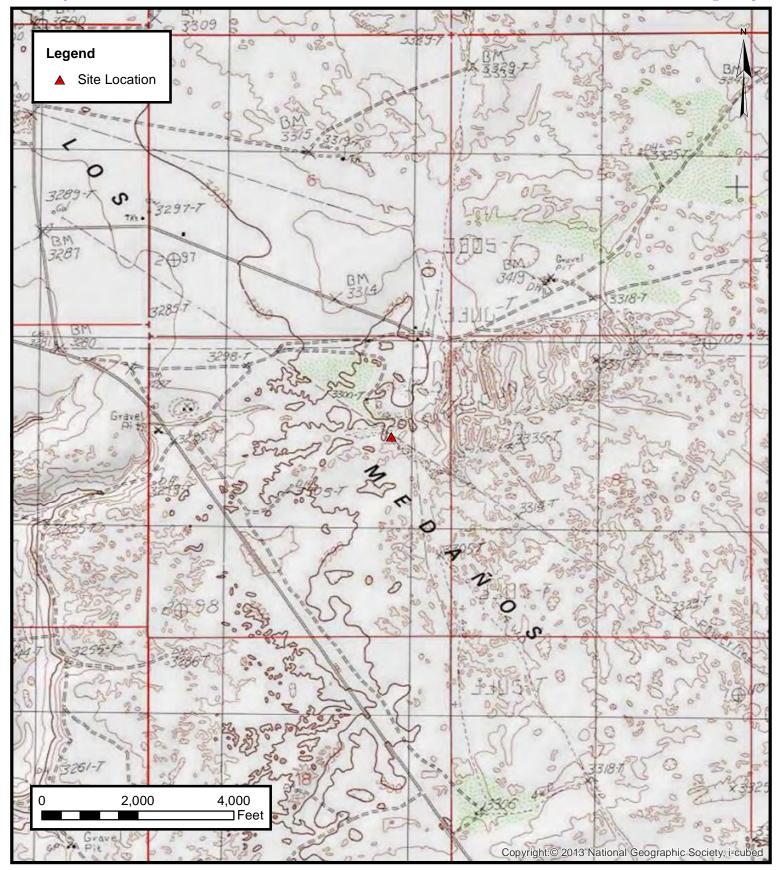
9.3 Reliance

This report has been prepared for the exclusive use of Oxy USA, Inc., 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 Oxy USA, Inc. and Ensolum. Any unauthorized distribution or reuse is at the client's sole risk. Notwithstanding the foregoing, reliance by authorized parties will be subject to the terms, conditions and limitations stated in the Closure Report, and Ensolum's Master Services Agreement. The limitation of liability defined in the agreement is the aggregate limit of Ensolum's liability to the client.



APPENDIX A

Figures





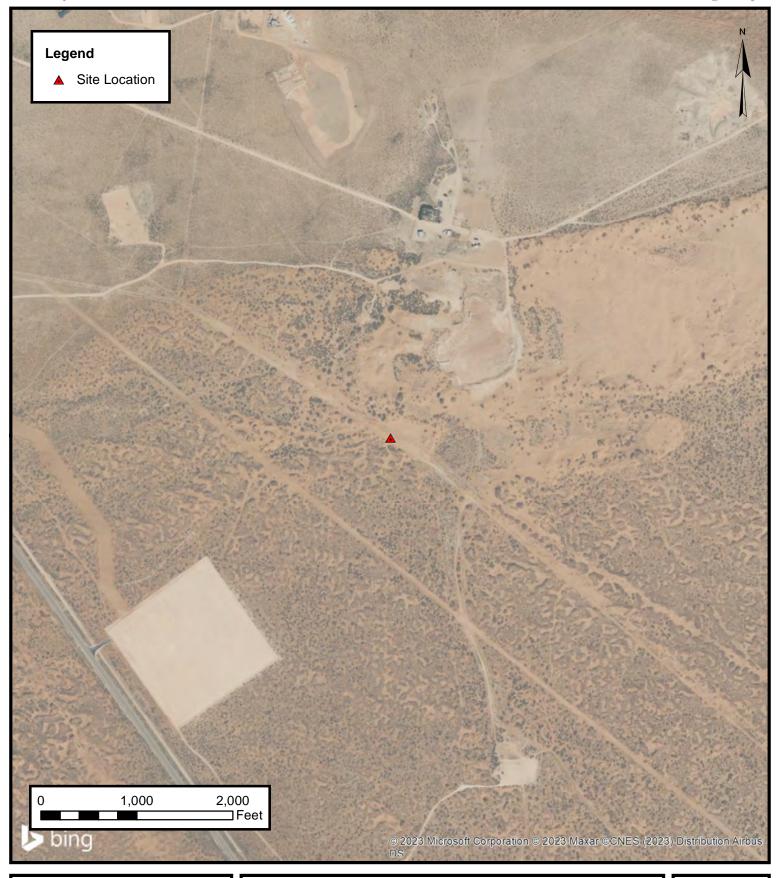
Topographic MapOxy USA Inc.

Oxy USA Inc. Federal 12-1H Battery 32.32150° N, 103.81203° W Eddy County, New Mexico

PROJECT NUMBER: 03B1417058

FIGURE 1

Released to Imaging: 12/26/2023 11:37:05 AM



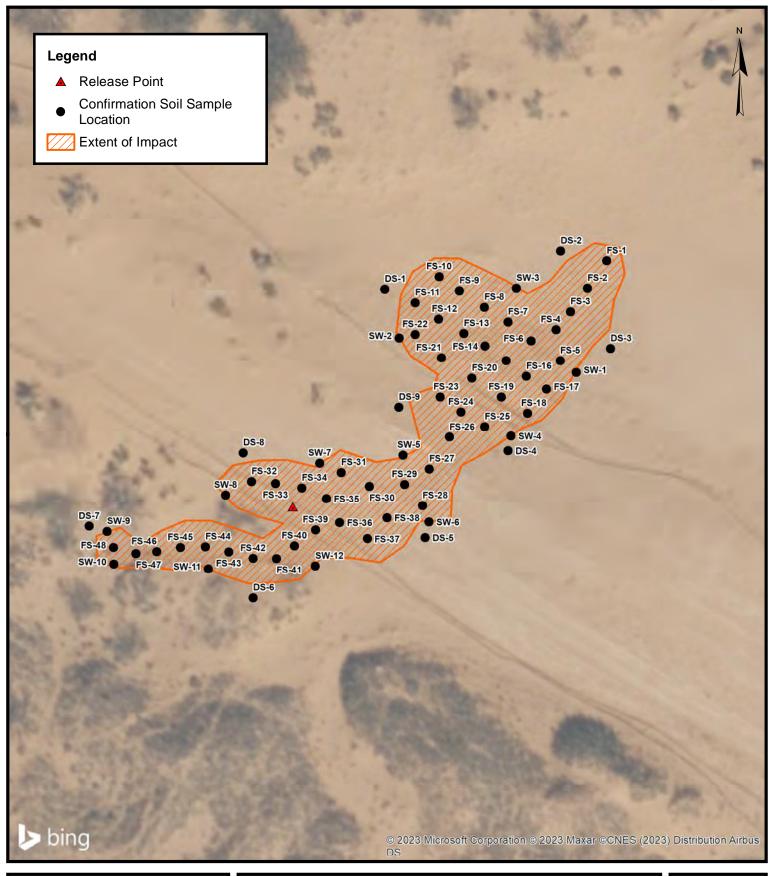


Site Vicinity Map Oxy USA Inc.

Oxy USA Inc. Federal 12-1H Battery 32.32150° N, 103.81203° W Eddy County, New Mexico

PROJECT NUMBER: 03B1417058

FIGURE 2



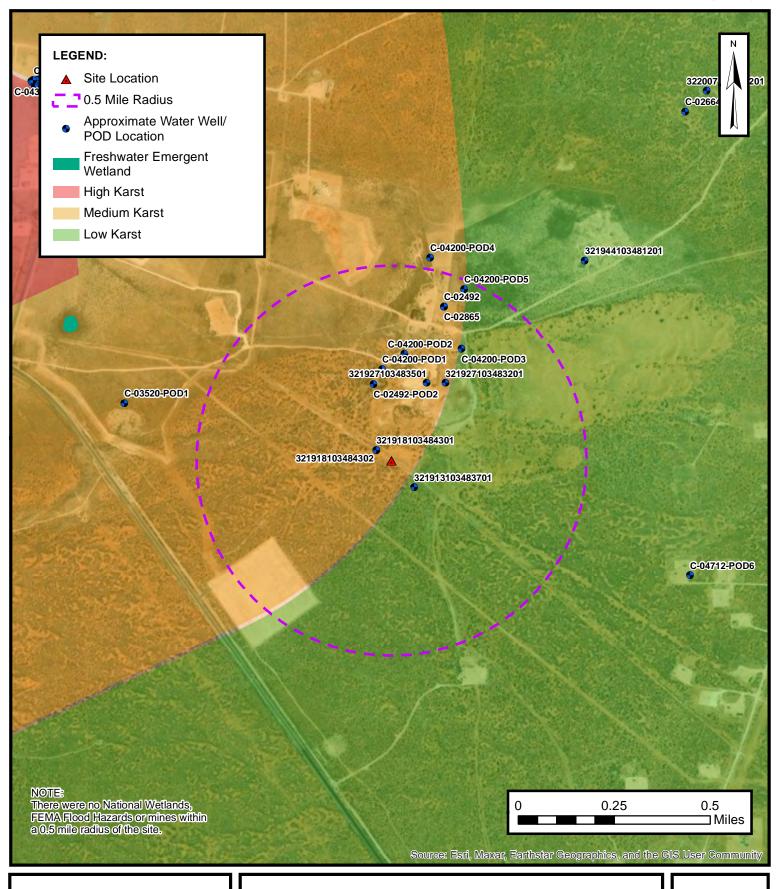


Site Map

Oxy USA Inc.
Federal 12-1H Battery
32.32150° N, 103.81203° W
Eddy County, New Mexico

PROJECT NUMBER: 03B1417058

FIGURE 3





Closure Criteria Map

Oxy USA Inc. Federal 12-1H Battery 32.32150° N, 103.81203° W Eddy County, New Mexico

PROJECT NUMBER: 03B1417058

FIGURE 4



APPENDIX B

Supporting Documentation

Received by OCD: 12/19/2023 11:55:35 AM
NM OIL CONSERVATION
State of New Mexico

District 1
1625 N. French Dr., Hobbs, NM 88246 RTESIA DISTRICT

District II 811 S First St., Artesia, NM 88210 DEC 2 9 2016 District III 1000 Rio Brazos Road, Aztec, NM 87410

District IV 1220 S. St. Francis Dr., Santa Fe, NM 87806 CEIVED

Energy Minerals and Natural Resources

Oil Conservation Division 1220 South St. Francis Dr.

Form C-141 Revisal August 8, 2011 Submit 1 Copy to appropriate District Office in accordance with 19,15.29 NMAC.

Santa Fe, NM 87505 **Release Notification and Corrective Action**

		1007			/	OPERA'	ror	🗵 Inít	ial Report	F	inal Report
Name of Co		Oxy Permia		157489			Casey Summers				
							No. (575) 513	-8289			
Facility Nar	ne Fede	ral 12-1H B	attery	· · · · · · · · · · · · · · · · · · ·		Facility Type Battery					
Surface Ow	ner BLN	1	·	Mineral O	wner			API N	o. 30-015-	40840	
				LOCA	TION	OF REI	LEASE	·			
Unit Letter	Section	Township	Range	Feet from the		South Line	Feet from the	East/West Line	County	, , , , , , , , , , , , , , , , , , , 	
н	7	238	31 E						Eddy Cou	nty, NM	
Latitude N 32.32150° Longitude W 103.81203°											
	NATURE OF RELEASE										
Type of Rele		uced water		_	**		Release 20 bbls		Recovered		
Source of Re	lease Ru	ptured water to	ransier lin	.		12/16/2016	lour of Occurrence	e Date and	d Hour of Dis	covery	
Was Immedia	ate Notice (If YES, To					***************************************
		×	Yes [No 🔲 Not Re	quired	Mike Brate Shelly Tuc	:her, Heather Patt ker, BLM	erson, Crystal We	aver- NMOC	'D;	
By Whom?	Kathy@ B	BC Internatio	nal, Inc.			Date and H		6 @ 4:43 pm	······································		
Was a Water				_			olume Impacting t		······································	**************************************	
			Yes 🗵	No							
If a Watercou	rse was Im	pacted, Descr	ibe Fully.	•	***************************************						
	Describe Cause of Problem and Remedial Action Taken.* A ruptured water transfer line leaked 20 bbls of produced water into the pasture. A vacuum truck recovered 10 bbls of produced water and the line was repaired,										
Describe Are	a Affected	and Cleanup	Action Tal	(en,*	***************************************						
	area is app	roximately 17.		I location in the p	asture.	Remediation	will be completed	d in accordance w	rith a plan app	proved by	/ both
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD 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.											
	1	A	*******				OIL CON	<u>SERVATIO</u>	<u> V DIVISIO</u>	<u>ИС</u>	
Signature:	<u></u>								12) (170
Printed Nam	e: Casey	Summers	***************************************			Approved by	Environmental S	pecialist: W	XXU	<u>(</u>	
Title: NM	Environmo	ental Advisor				Approval Da	1e: 1417	Expiratio	Date: N	IA_	
E-mail Addr	ess: <u>Cas</u> e	ey_Summers@	oxy.com	4444444		Conditions o	f Approval:		Attached	ı DK1	-
Date: 2	2-29-	-16	Phone	: (575) 513-82	289	Sle	attach	ed		. ~~	
Attach Addi	tional She	ets If Neces	sary							2R	P.4053

Operator/Responsible Party,

The OCD has received the form C-141 you provided on 12/29/16 regarding an unauthorized release. The information contained on that form has been entered into our incident database and remediation case number <u>2RP-4053</u> has been assigned. Please refer to this case number in all future correspondence.

It is the Division's obligation under both the Oil & Gas Act and Water Quality Act to provide for the protection of public health and the environment. Our regulations (19.15.29.11 NMAC) state the following,

The responsible person shall complete <u>division-approved corrective action</u> for releases that endanger public health or the environment. The responsible person shall address releases in accordance with a remediation plan submitted to and approved by the division or with an abatement plan submitted in accordance with 19.15.30 NMAC. [emphasis added]

Release characterization is the first phase of corrective action unless the release is ongoing or is of limited volume and all impacts can be immediately addressed. Proper and cost-effective remediation typically cannot occur without adequate characterization of the impacts of any release. Furthermore, the Division has the ability to impose reasonable conditions upon the efforts it oversees. As such, the Division is requiring a workplan for the characterization of impacts associated with this release be submitted to the OCD District II office in Artesia on or before 2/3/17. If and when the release characterization workplan is approved, there will be an associated deadline for submittal of the resultant investigation report. Modest extensions of time to these deadlines may be granted, but only with acceptable justification.

The goals of a characterization effort are: 1) determination of the lateral and vertical extents along with the magnitude of soil contamination. 2) determine if groundwater or surface waters have been impacted. 3) If groundwater or surface waters have been impacted, what are the extents and magnitude of that impact. 4) The characterization of any other adverse impacts that may have occurred (examples: impacts on vegetation, impacts on wildlife, air quality, loss of use of property, etc.). To meet these goals as quickly as possible, the following items must, at a minimum, be addressed in the release characterization workplan and subsequent reporting:

- Horizontal delineation of soil impacts in each of the four cardinal compass directions. Adsorbed soil contamination must be characterized for the following constituents using the associated laboratory methods: benzene, toluene, ethylbenzene, and total xylenes by either Method 8260 or 8021, total petroleum hydrocarbons by Method 8015 extended range (GRO+DRO+MRO; C₆ thru C₃₆), and for chloride by Method 300. This is not an exclusive list of potential contaminants. Analyzed parameters should be modified based on the nature of the released substance(s). Soil sampling must be both within the impacted area and beyond.
- Vertical delineation of soil impacts. Adsorbed soil contamination must be characterized for the following constituents using the associated laboratory methods: benzene, toluene, ethylbenzene, and total xylenes by either Method 8260 or 8021, total petroleum hydrocarbons by Method 8015 extended range (GRO+DRO+MRO; C₆ thru C₃₆), and for chloride by Method 300. As above, this is not an exclusive list of potential contaminants and can be modified. Vertical characterization samples should be taken at depth intervals no greater than five feet apart. Lithologic description of encountered soils must also be provided. At least ten vertical feet of soils with contaminant concentrations at or below these values must be demonstrated as existing above the water table.
- Nominal detection limits for field and laboratory analyses must be provided.
- Composite sampling is not generally allowed.
- Field screening and assessment techniques are acceptable (headspace, titration, EC [include algorithm for validation purposes], EM, etc.), but the sampling and assay procedures must be clearly defined. Copies of field notes are highly desirable. A statistically significant set of split samples must be submitted for confirmatory laboratory analysis, including the laterally farthest and vertically deepest sets of soil samples. Make sure there are at least two soil samples submitted

for laboratory analysis from each borehole or test pit (highest observed contamination and deepest depth investigated). Copies of the actual laboratory results must be provided including chain of custody documentation.

- •Probable depth to shallowest protectable groundwater and lateral distance to nearest surface water. If there is an estimate of groundwater depth, the information used to arrive at that estimate must be provided. If there is a reasonable assumption that the depth to protectable water is 50 feet or less, the responsible party should anticipate the need for at least one groundwater monitoring well to be installed in the area of likely maximum contamination.
- If groundwater contamination is encountered, an additional investigation workplan may be required to determine the extents of that contamination. Groundwater and/or surface water samples, if any, must be analyzed by a competent laboratory for volatile organic hydrocarbons (typically Method 8260 full list), total dissolved solids, pH, major anions and cations including chloride and sulfate, dissolved iron, and dissolved manganese. The investigation workplan must provide the groundwater sampling method(s) and sample handling protocols. To the fullest extent possible, aqueous analyses must be undertaken using nominal method detection limits. As with the soil analyses, copies of the actual laboratory results must be provided including chain of custody documentation.
- Accurately scaled and well-drafted site maps must be provided providing the location of borings, test pits, monitoring wells, potentially impacted areas, and significant surface features including roads and site infrastructure that might limit either the release characterization or remedial efforts. Field sketches may be included in subsequent reporting, but should not be considered stand-alone documentation of the site's layout. Digital photographic documentation of the location and fieldwork is recommended, especially if unusual circumstances are encountered.

Nothing herein should be interpreted to preclude emergency response actions or to imply immediate remediation by removal cannot proceed as warranted. Nonetheless, characterization of impacts and confirmation of the effectiveness of remedial efforts must still be provided to the OCD before any release incident will be closed.

Jim Griswold

OCD Environmental Bureau Chief 1220 South St. Francis Drive Santa Fe, New Mexico 87505 505-476-3465 jim.griswold@state.nm.us

Weaver, Crystal, EMNRD

From: Kathy Purvis <kathy@bbcinternational.com>
Sent: Thursday, December 29, 2016 9:56 AM

To: Bratcher, Mike, EMNRD; Weaver, Crystal, EMNRD; stucker@blm.gov

Cc: Casey_Summers@oxy.com; Jennifer_Hudgens@oxy.com;

cbrunson@bbcinternational.com; kswinney@bbcinternational.com; 'Jennifer Gilkey'

Subject:Initial C-141, Federal 12-1H BatteryAttachments:Initial C-141, Federal 12-1H Battery.pdf

Attached is the initial C-141 for a leak that occurred at the Federal 12-1H Battery on 12/16/2016 in Eddy County, NM. Receipt notification and the RP number via email are greatly appreciated.

Kathy Purvis

BBC International, Inc. 1324 W. Marland Blvd. Hobbs, NM 88240

Business: (575) 397-6388 Cell: (575) 441-8619

kathy@bbcinternational.com

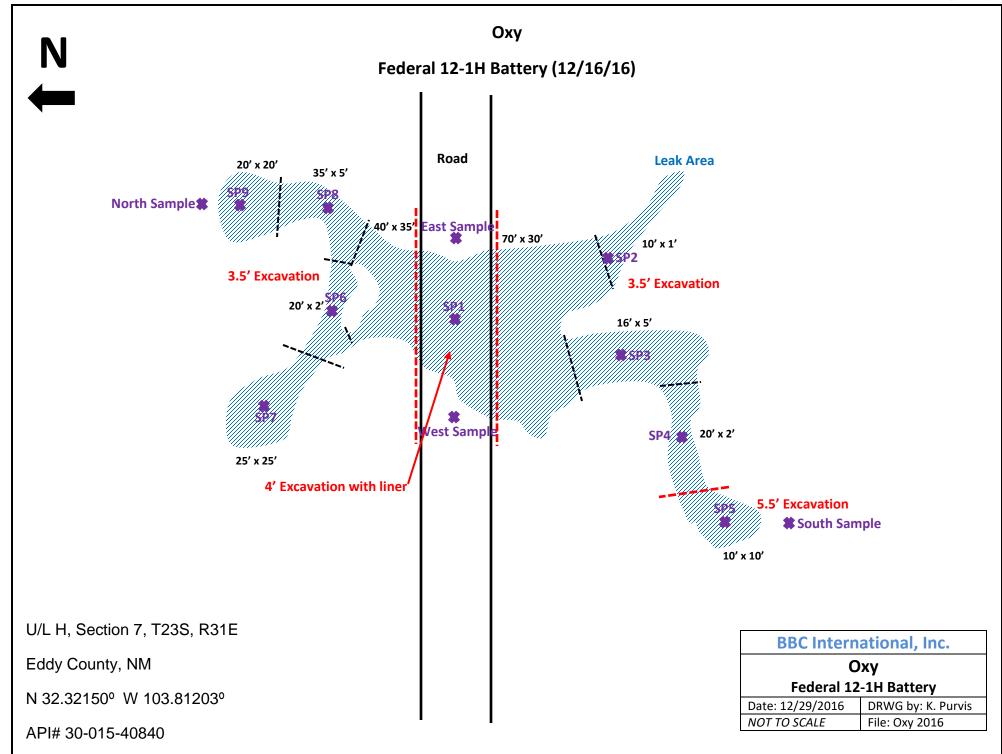


PHONE (575) 397-6388 • FAX (575) 397-0397 • 1324 W. MARLAND • P.O. BOX 805 • HOBBS, NM 88241-0805 E-MAIL: cbrunson@bbcinternational.com

Oxy - Federal 12-1H Battery (12/16/2016) REMEDIATION PLAN, RP # 2RP-4053

Oxy will excavate the spill area as depicted on the following site diagram. The entire leak area will be excavated to a depth of 3.5 feet, except in the area of SP5, which will be excavated to a depth of 5.5 feet and, in the area of SP1, which will be excavated to a depth of 4 feet and a liner will be placed in the excavation. The entire site will then be backfilled with clean soil.

All excavated materials will be disposed of at an NMOCD-approved disposal facility.

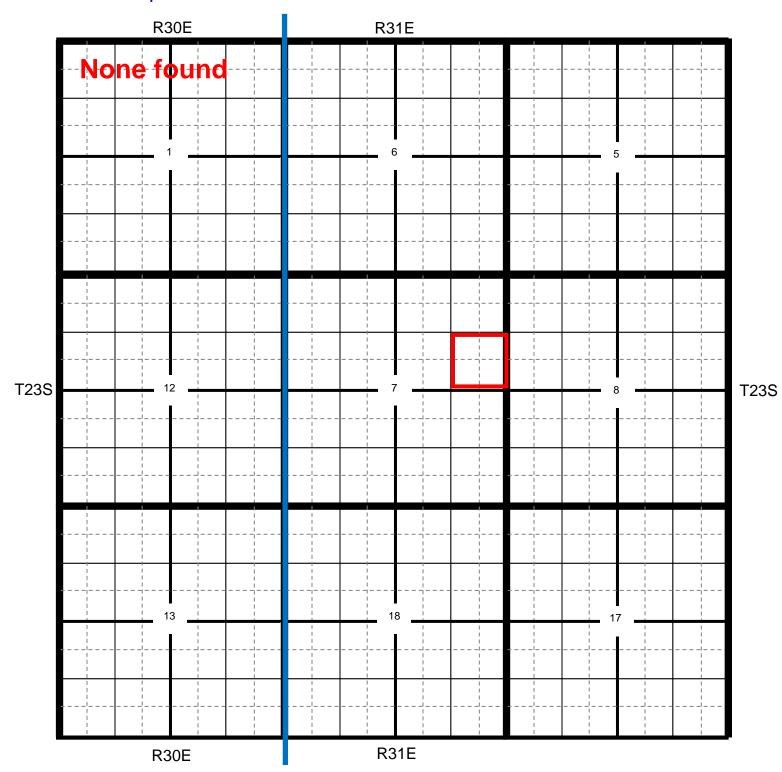


Groundwater Plot

Oxy Federal 12-1H Battery

CountyUnit LetterSectionTownshipRangeEddyH723S31E

Trend Map 100'



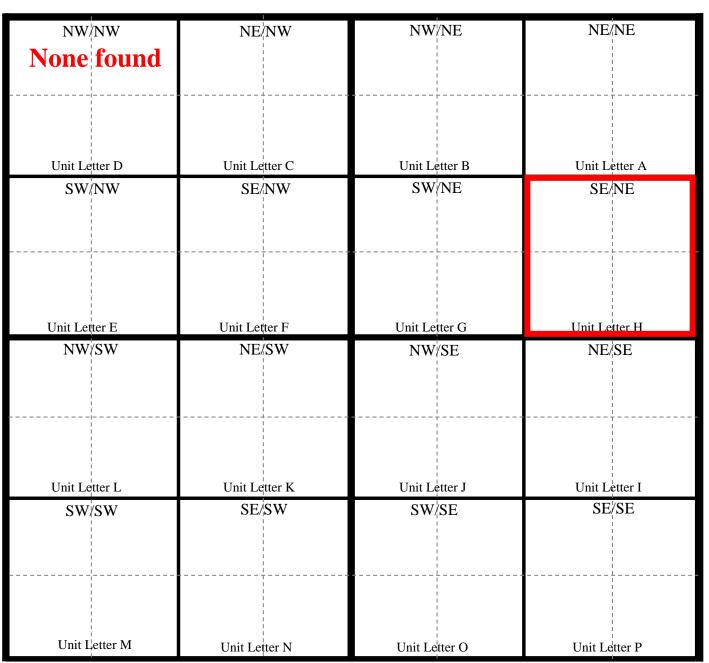
Section Quarters

Oxy Federal 12-1H Battery

CountyUnit LetterSectionTownshipRangeEddyH723S31E

Trend Map 100'

1



3

Laboratory Analytical Results Summary Federal 12-1H Battery

		Sample	SP1 @ 1'	SP1 @ 3'	SP1 @ 5'	SP1 @ 8'	SP1 @ 9'	SP1 @ 10'
Analyte	Method	Date	1/23/17	1/23/17	1/23/17	1/23/17	1/23/17	1/23/17
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		< 0.050	n/a	n/a	n/a	n/a	n/a
Toluene	BTEX 8021B		< 0.050	n/a	n/a	n/a	n/a	n/a
Ethylbenzene	BTEX 8021B		< 0.050	n/a	n/a	n/a	n/a	n/a
Total Xylenes	BTEX 8021B		<0.150	n/a	n/a	n/a	n/a	n/a
Total BTEX	BTEX 8021B		< 0.300	n/a	n/a	n/a	n/a	n/a
Chloride	SM4500CI-B		4800	6560	17400	3840	816	32
GRO	TPH 8015M		<10.0	n/a	n/a	n/a	n/a	n/a
DRO	TPH 8015M		11.2	n/a	n/a	n/a	n/a	n/a

		Sample	SP2 @ 1'	SP2 @ 3'	SP2 @ 4'	SP2 @ 5'	SP2 @ 6'
Analyte	Method	Date	1/23/17	1/23/17	1/23/17	1/23/17	1/23/17
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Chloride	SM4500CI-B		2640	5280	448	16	32

		Sample	SP3 @ 1'	SP3 @ 3'	SP3 @ 4'	SP3 @ 5'
Analyte	Method	Date	1/23/17	1/23/17	1/23/17	1/23/17
			mg/Kg	mg/Kg	mg/Kg	mg/Kg
Chloride	SM4500CI-B		5040	2000	688	<16.0

		Sample	SP4 @ 1'	SP4 @ 3'	SP4 @ 4'
Analyte	Method	Date	1/23/17	1/23/17	1/23/17
			mg/Kg	mg/Kg	mg/Kg
Chloride	SM4500CI-B		4320	2360	<16.0

		Sample	SP5 @ 1'	SP5 @ 3'	SP5 @ 5'	SP5 @ 6'	SP5 @ 7'
Analyte	Method	Date	1/23/17	1/23/17	1/23/17	1/24/17	1/24/17
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		< 0.050	n/a	n/a	n/a	n/a
Toluene	BTEX 8021B		< 0.050	n/a	n/a	n/a	n/a
Ethylbenzene	BTEX 8021B		< 0.050	n/a	n/a	n/a	n/a
Total Xylenes	BTEX 8021B		< 0.150	n/a	n/a	n/a	n/a
Total BTEX	BTEX 8021B		< 0.300	n/a	n/a	n/a	n/a
Chloride	SM4500CI-B		4160	16000	10100	80	96
GRO	TPH 8015M		<10.0	n/a	n/a	n/a	n/a
DRO	TPH 8015M		<10.0	n/a	n/a	n/a	n/a

		Sample	SP6 @ 1'	SP6 @ 3'	SP6 @ 5'	SP6 @ 6'
Analyte	Method	Date	1/24/17	1/24/17	1/24/17	1/24/17
			mg/Kg	mg/Kg	mg/Kg	mg/Kg
Chloride	SM4500CI-B		14000	34000	400	48

		Sample	SP7 @ 1'	SP7 @ 3'	SP7 @ 5'	SP7 @ 6'
Analyte	Method	Date	1/24/17	1/24/17	1/24/17	1/24/17
			mg/Kg	mg/Kg	mg/Kg	mg/Kg
Chloride	SM4500CI-B		15200	31200	432	48

		Sample	SP8 @ 1'	SP8 @ 3'	SP8 @ 5'	SP8 @ 6'
Analyte	Method	Date	1/24/17	1/24/17	1/24/17	1/24/17
			mg/Kg	mg/Kg	mg/Kg	mg/Kg
Chloride	SM4500CI-B		384	17200	208	32

		Sample	SP9 @ 1'	SP9 @ 3'	SP9 @ 5'	SP9 @ 6'
Analyte	Method	Date	1/23/17	1/23/17	1/23/17	1/23/17
			mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 802	1B	< 0.050	n/a	n/a	n/a
Toluene	BTEX 802	1B	< 0.050	n/a	n/a	n/a
Ethylbenz	BTEX 802°	1B	< 0.050	n/a	n/a	n/a
Total Xyle	BTEX 802	1B	< 0.150	n/a	n/a	n/a
Total BTE	BTEX 802°	1B	< 0.300	n/a	n/a	n/a
Chloride	SM4500CI-	·B	14400	4400	208	32
GRO	TPH 8015	M	<10.0	n/a	n/a	n/a
DRO	TPH 8015	M	<10.0	n/a	n/a	n/a

		Sample	NORTH @ 1'
Analyte	Method	Date	1/24/17
			mg/Kg
Chloride	SM4500CI-	В	112

		Sample	EAST @ 1'			
Analyte	Method	Date	1/24/17			
			mg/Kg			
Chloride	SM4500CI-	SM4500CI-B				

		Sample	WEST @ 1'
Analyte	Method	Date	1/24/17
			mg/Kg
Chloride	SM4500CI-	В	64

		Sample	SOUTH @ 1'
Analyte	Method	Date	1/24/17
			mg/Kg
Chloride	SM4500CI-	96	



February 01, 2017

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: FEDERAL 12 - 1H BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 01/26/17 17:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-16-8. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/ga/lab accred certif.html.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2 Haloacetic Acids (HAA-5)
Method EPA 524.2 Total Trihalomethanes (TTHM)
Method EPA 524.4 Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

Celey D. Keine

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

BBC International, Inc.

Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received: 01/26/2017 Sampling Date: 01/23/2017

Reported: 02/01/2017 Sampling Type: Soil

Project Name: FEDERAL 12 - 1H BATTERY Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Celey D. Keene

Project Location: LEA COUNTY, NM

Sample ID: SP 1 @ 1' (H700202-01)

BTEX 8021B	mg/kg		Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/31/2017	ND	1.98	98.8	2.00	0.451	
Toluene*	<0.050	0.050	01/31/2017	ND	2.01	100	2.00	0.376	
Ethylbenzene*	<0.050	0.050	01/31/2017	ND	2.06	103	2.00	0.437	
Total Xylenes*	<0.150	0.150	01/31/2017	ND	5.86	97.7	6.00	0.156	
Total BTEX	<0.300	0.300	01/31/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	103 9	% 73.6-14	0						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4800	16.0	01/30/2017	ND	432	108	400	3.64	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/28/2017	ND	192	96.1	200	0.0655	
DRO >C10-C28	11.2	10.0	01/28/2017	ND	208	104	200	2.56	
Surrogate: 1-Chlorooctane	85.0	% 35-147	7						
Surrogate: 1-Chlorooctadecane	94.1	% 28-171	i						

Sample ID: SP 1 @ 3' (H700202-02)

Chloride, SM4500CI-B	Chloride, SM4500Cl-B mg/kg		Analyze	Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6560	16.0	01/30/2017	ND	432	108	400	3.64	

Cardinal Laboratories *=Accredited Analyte

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Celeg & Freene



Analytical Results For:

BBC International, Inc.

Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received: 01/26/2017 Sampling Date: 01/23/2017

Reported: 02/01/2017 Sampling Type: Soil

Project Name: FEDERAL 12 - 1H BATTERY Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Celey D. Keene

Project Location: LEA COUNTY, NM

Sample ID: SP 1 @ 5' (H700202-03)

Chloride, SM4500CI-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	17400	16.0	01/30/2017	ND	432	108	400	3.64	
Sample ID: SP 1 @ 8' (H7	700202-04)								
Sample ID: SP 1 @ 8' (H7 Chloride, SM4500Cl-B	700202-04) mg,	/kg	Analyze	d By: AC					
•	-	/kg Reporting Limit	Analyze Analyzed	d By: AC Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier

Sample ID: SP 1 @ 9' (H700202-05)

Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	816	16.0	01/30/2017	ND	432	108	400	3.64	

Sample ID: SP 1 @ 10' (H700202-06)

Chloride, SM4500Cl-B	Chloride, SM4500Cl-B mg/kg			Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	01/31/2017	ND	432	108	400	3.64	

Sample ID: SP 2 @ 1' (H700202-07)

Chloride, SM4500Cl-B	Chloride, SM4500CI-B mg/kg		Analyze	Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2640	16.0	01/31/2017	ND	432	108	400	3.64	

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Celey D. Keene



Analytical Results For:

BBC International, Inc.

Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received: 01/26/2017 Sampling Date: 01/23/2017

Reported: 02/01/2017 Sampling Type: Soil

Project Name: FEDERAL 12 - 1H BATTERY Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Celey D. Keene

Project Location: LEA COUNTY, NM

Sample ID: SP 2 @ 3' (H700202-08)

Chloride, SM4500CI-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5280	16.0	01/31/2017	ND	432	108	400	3.64	
Sample ID: SP 2 @ 4' (H70	00202-09)								
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	448	16.0	01/31/2017	ND	432	108	400	3.64	

Sample ID: SP 2 @ 5' (H700202-10)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	01/31/2017	ND	432	108	400	3.64	

Sample ID: SP 2 @ 6' (H700202-11)

Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	01/31/2017	ND	432	108	400	3.64	

Sample ID: SP 3 @ 1' (H700202-12)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5040	16.0	01/31/2017	ND	432	108	400	3.64	

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Celeg & Freene

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

BBC International, Inc.

Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received: 01/26/2017 Sampling Date: 01/23/2017

Reported: 02/01/2017 Sampling Type: Soil

Project Name: FEDERAL 12 - 1H BATTERY Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Celey D. Keene

Project Location: LEA COUNTY, NM

Sample ID: SP 3 @ 3' (H700202-13)

Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2000	16.0	01/31/2017	ND	432	108	400	3.64	
Sample ID: SP 3 @ 4' (H7	700202-14)								
Sample ID: SP 3 @ 4' (H7 Chloride, SM4500Cl-B	700202-14) mg	/kg	Analyze	d By: AC					
•	-	/kg Reporting Limit	Analyze Analyzed	d By: AC Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier

Sample ID: SP 3 @ 5' (H700202-15)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/31/2017	ND	432	108	400	3.64	

Sample ID: SP 4 @ 1' (H700202-16)

Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4320	16.0	01/31/2017	ND	432	108	400	3.64	

Sample ID: SP 4 @ 3' (H700202-17)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2360	16.0	01/31/2017	ND	432	108	400	3.64	

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Celey D. Keene



Analytical Results For:

BBC International, Inc.

Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received: 01/26/2017 Sampling Date: 01/23/2017

Reported: 02/01/2017 Sampling Type: Soil

Project Name: FEDERAL 12 - 1H BATTERY Sampling Condition: Cool & Intact Project Number: NONE GIVEN Sample Received By: Celey D. Keene

Project Location: LEA COUNTY, NM

Sample ID: SP 4 @ 4' (H700202-18)

Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/31/2017	ND	432	108	400	3.64	

Sample ID: SP 5 @ 1' (H700202-19)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/31/2017	ND	1.98	98.8	2.00	0.451	
Toluene*	<0.050	0.050	01/31/2017	ND	2.01	100	2.00	0.376	
Ethylbenzene*	<0.050	0.050	01/31/2017	ND	2.06	103	2.00	0.437	
Total Xylenes*	<0.150	0.150	01/31/2017	ND	5.86	97.7	6.00	0.156	
Total BTEX	<0.300	0.300	01/31/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID	104	% 73.6-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4160	16.0	01/31/2017	ND	432	108	400	0.00	QM-07
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/28/2017	ND	192	96.1	200	0.0655	
DRO >C10-C28	<10.0	10.0	01/28/2017	ND	208	104	200	2.56	
Surrogate: 1-Chlorooctane	92.5	% 35-147	,						

Surrogate: 1-Chlorooctadecane 83.4 % 28-171

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Celey D. Keene



Analytical Results For:

BBC International, Inc.

Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received: 01/26/2017 Sampling Date: 01/23/2017

Reported: 02/01/2017 Sampling Type: Soil

Project Name: FEDERAL 12 - 1H BATTERY Sampling Condition: Cool & Intact Project Number: NONE GIVEN Sample Received By: Celey D. Keene

Project Location: LEA COUNTY, NM

Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16000	16.0	01/31/2017	ND	432	108	400	0.00	
Sample ID: SP 5 @ 5' (H)	700202-21)								
Chloride, SM4500CI-B	mg/	/kg	Analyze	d By: AC					
Chloride, SM4500Cl-B Analyte	-	/kg Reporting Limit	Analyze Analyzed	d By: AC Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
·	mg/				BS 432	% Recovery	True Value QC 400	RPD 0.00	Qualifier

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	01/31/2017	ND	432	108	400	0.00	

Sample ID: SP 5 @ 7' (H700202-23)

Chloride, SM4500Cl-B	mg	/kg	Analyze						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	01/31/2017	ND	432	108	400	0.00	

Sample ID: SP 6 @ 1' (H700202-24)

Chloride, SM4500Cl-B	mg	/kg	Analyze						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	14000	16.0	01/31/2017	ND	432	108	400	0.00	

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Celeg D. Keene



400

0.00

Analytical Results For:

BBC International, Inc.

Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received: 01/26/2017 Sampling Date: 01/24/2017

Reported: 02/01/2017 Sampling Type: Soil

Project Name: FEDERAL 12 - 1H BATTERY Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Celey D. Keene

Project Location: LEA COUNTY, NM

400

16.0

Sample ID: SP 6 @ 3' (H700202-25)

Chloride, SM4500CI-B	mg	mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	34000	16.0	01/31/2017	ND	432	108	400	0.00	
Sample ID: SP 6 @ 5' (H7	700202-26)								
Chloride, SM4500Cl-B	mg	/kg	Analyze	ed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier

ND

432

108

02/01/2017

Sample ID: SP 6 @ 6' (H700202-27)

Chloride

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	02/01/2017	ND	432	108	400	0.00	

Sample ID: SP 7 @ 1' (H700202-28)

Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	15200	16.0	02/01/2017	ND	432	108	400	0.00	

Sample ID: SP 7 @ 3' (H700202-29)

Chloride, SM4500CI-B	mg/kg			Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	31200	16.0	02/01/2017	ND	432	108	400	0.00	

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Celey D. Keene



Analytical Results For:

BBC International, Inc.

Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received: 01/26/2017 Sampling Date: 01/24/2017

Reported: 02/01/2017 Sampling Type: Soil

Project Name: FEDERAL 12 - 1H BATTERY Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Celey D. Keene

Project Location: LEA COUNTY, NM

Sample ID: SP 7 @ 5' (H700202-30)

Chloride, SM4500Cl-B	mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	432	16.0	02/01/2017	ND	432	108	400	0.00	

Sample ID: SP 7 @ 6' (H700202-31)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	02/01/2017	ND	432	108	400	0.00	

Sample ID: SP 8 @ 1' (H700202-32)

Chloride, SM4500CI-B	mg,	mg/kg Analyzed By: HM							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	384	16.0	02/01/2017	ND	432	108	400	0.00	

Sample ID: SP 8 @ 3' (H700202-33)

Chloride, SM4500CI-B	mg,	/kg	Analyze						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	17200	16.0	02/01/2017	ND	432	108	400	0.00	

Sample ID: SP 8 @ 5' (H700202-34)

Chloride, SM4500CI-B	mg	/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	02/01/2017	ND	432	108	400	0.00	

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Celey D. Keene



Analytical Results For:

BBC International, Inc.

Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received: 01/26/2017 Sampling Date: 01/24/2017

Reported: 02/01/2017 Sampling Type: Soil

Project Name: FEDERAL 12 - 1H BATTERY Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Celey D. Keene

Project Location: LEA COUNTY, NM

Sample ID: SP 8 @ 6' (H700202-35)

Chloride, SM4500Cl-B	mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	02/01/2017	ND	432	108	400	0.00	

Sample ID: SP 9 @ 1' (H700202-36)

BTEX 8021B	mg/kg		Analyze	Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/31/2017	ND	1.98	98.8	2.00	0.451	
Toluene*	<0.050	0.050	01/31/2017	ND	2.01	100	2.00	0.376	
Ethylbenzene*	<0.050	0.050	01/31/2017	ND	2.06	103	2.00	0.437	
Total Xylenes*	<0.150	0.150	01/31/2017	ND	5.86	97.7	6.00	0.156	
Total BTEX	<0.300	0.300	01/31/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID 103 % 73.6-140

Chloride, SM4500Cl-B	mg/	kg	Analyze	Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride 1	L4400	16.0	02/01/2017	ND	432	108	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/28/2017	ND	192	96.1	200	0.0655	
DRO >C10-C28	<10.0	10.0	01/28/2017	ND	208	104	200	2.56	

Surrogate: 1-Chlorooctane 90.2 % 33-14/
Surrogate: 1-Chlorooctadecane 105 % 28-171

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Celey D. Keene



Analytical Results For:

BBC International, Inc.

Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received: 01/26/2017 Sampling Date: 01/24/2017

Reported: 02/01/2017 Sampling Type: Soil

Project Name: FEDERAL 12 - 1H BATTERY Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Celey D. Keene

Project Location: LEA COUNTY, NM

Sample ID: SP 9 @ 3' (H700202-37)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4400	16.0	02/01/2017	ND	432	108	400	0.00		

Sample ID: SP 9 @ 5' (H700202-38)

Chloride, SM4500CI-B mg/kg		Analyze	d By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	02/01/2017	ND	432	108	400	0.00	

Sample ID: SP 9 @ 6' (H700202-39)

Chloride, SM4500Cl-B mg/kg			Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	01/31/2017	ND	432	108	400	0.00	

Sample ID: NORTH SAMPLE @ 1' (H700202-40)

Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	01/31/2017	ND	432	108	400	0.00	

Sample ID: EAST SAMPLE @ 1' (H700202-41)

Chloride, SM4500Cl-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	01/31/2017	ND	432	108	400	0.00	

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

BBC International, Inc.

Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received: 01/26/2017 Sampling Date: 01/24/2017

Reported: 02/01/2017 Sampling Type: Soil

Project Name: FEDERAL 12 - 1H BATTERY Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Celey D. Keene

Project Location: LEA COUNTY, NM

Sample ID: WEST SAMPLE @ 1' (H700202-42)

Chloride, SM4500CI-B	mg/kg			Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	01/31/2017	ND	432	108	400	0.00	

Sample ID: SOUTH SAMPLE @ 1' (H700202-43)

Chloride, SM4500Cl-B	mg/kg			Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	01/31/2017	ND	432	108	400	0.00	

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Celeg D. Keene



Notes and Definitions

QR-03 The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.

QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS

recovery.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

** Samples not received at proper temperature of 6°C or below.

*** Insufficient time to reach temperature.

- Chloride by SM4500Cl-B does not require samples be received at or below 6°C

Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keine

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Fax Result:

☐ Yes☐ Yes

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Add'l Phone #: Add'l Fax #:

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

ARDINAL LABORATORIES
101 East Marland, Hobbs, NM 88240
(505) 393-2326 FAX (505) 393-2476
Company Name: RRC International Inc

H700202 Sampler Name: Project Location: LEA COUNTY, NM Project Name: FEDERAL 12-1H BATTERY Phone #: 575-397-6388 city: Hobbs Project Manager: Cliff Brunson Address: P.O. Box 805 Company Name: Lab I.D. FOR LAB USE ONLY SP2 @ 4' SP2@3' SP2@1' SP1 @ 10 SP2@5 SP1@9' SP1 @ 8' SP1@5 SP1 @ 3' SP1 @ 1' BBC International, Inc. JEFF ORNELAS Sample I.D. Project Owner: Oxy Fax #: State: 575-397-0397 Z POPOGO ON TO (G)RAB OR (C)OMP Zip: # CONTAINERS 88241 GROUNDWATER WASTEWATER < < 2 11 MATRIX SOIL OIL SLUDGE OTHER State: City: Compa Fax #: Phone #: P.O. #: Address Attn: ACID/BASE PRESERV ICE / COOL OTHER BILL TO 1/23/17 1/23/17 1/23/17 1/23/17 Zip 1/23/17 1/23/17 1/23/17 1/23/17 1/23/17 1/23/17 DATE SAMPLING 12:11 PM 11:45 AM 11:57 AM 9:59 AM 11:22 AM 11:11 AM 11:00 AM 9:33 AM 9:01 AM 10:50 AM TIME ANALYSIS REQUEST

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Sampler - UPS - Bus - Other:

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Page 14 of 18

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

ARDINAL LABORATORIES (505) 393-2326 FAX (505) 393-2476

101 East Marland, Hobbs, NM 88240

Company Name:	e: BBC International, Inc.	Inc.	BILL TO				1
Project Manager:			P.O. #:			DIANT OIG MEMORAL	
Address: P.O. Box 805). Box 805		Company: Ox1				
city: Hobbs		State: NM Zip: 88241	Attn: OSul Line	NOS	_		
Phone #: 575-397-6388		Fax #: 575-397-0397	Address:				
Project #:		Project Owner: Oxy	City:				
Project Name:	FEDERAL 12-1H BATTERY	TERY	State: Zin:				
Project Location:	ILEA COUNTY, NM		#				
Sampler Name:	: JEFF ORNELAS		Fax #:				
FOR LAB USE ONLY		MATRIX		LING			
Lab I.D.	Sample I.D.	AB OR (C)OM NTAINERS UNDWATER TEWATER	R: BASE: COOL		OH STEX		
H700%07	CD3 @ Si	GRC WAS SOIL	_	TIME			
7	SP3 @ 1'	79	1/23/17	12:50 PM	`		
i.	SP3 @ 3'	700	THESH A	1.20 PM			
41	SP3 @ 4'	200	1/23/17				
77	SP3 @ 5'	6-	1/23/17		`		
16	SP4 @ 1'	S	1/23/17	1:50 PM	`		
17	SP4 @ 3'	6-	1/23/17	2:10 PM	`		
0	SP5 @ 1'	×	1/23/17	2:30 PM			
20	SP5@3'	00	1/23/17	3:12 PM	4		
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Kelinquisned By		ine: 100 Received By:	love				
Sampler - UPS - Bus - Other	- Bus - Other:	Sample Condition Cool Intact	ondition CHECKED BY:				
Sampler - Urs	- Bus - Other:		,	T			_

Page 15 of 18

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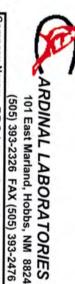
Phone Result: Fax Result: REMARKS:

□ Yes

No No

Add'l Phone #: Add'l Fax #:

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST



(505) 393-2326 FAX (505) 393-2476 101 East Marland, Hobbs, NM 88240

company Name:	BBC International, Inc.		BILL TO	ANALYSIS REQUEST
Project Manage	Project Manager: Cliff Brunson		P.O. #:	-
Address: P.O. Box 805	. Box 805		Company: (XV	
city: Hobbs	Stat	State: NM Zip: 88241	Attn: \\ Sou\ LINMUNS	
Phone #: 575-397-6388	397-6388 Fax #:	575-397-0397	Address:	
Project #:	Proje	Project Owner: Oxy	City:	
Project Name:	Project Name: FEDERAL 12-1H BATTERY		State: Zip:	
Project Location:	n: LEA COUNTY, NM		#	
Sampler Name:	JEFF ORNELAS		Fax#:	
FOR LAB USE ONLY		MATRIX	PRESERV SAMPLING	
Lab I.D. H 700202	Sample I.D.	(G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL DIL SLUDGE	OTHER: ACID/BASE: CE / COOL OTHER: DATE	Cl
2	SP5 @ 5'	<	1/23/17 3:	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
22	SP5 @ 6'	6- /	1/24/17 8:30 AM	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
22	SP5 @ 7'	0	1/24/17 8:33 AM	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
45	SP6 @ 1'	6-	1/24/17 9:15 AM	
25	SP6 @ 3'	0-	V 1/24/17 9:32 AM	\ .
26	SP6 @ 5'	0	1/24/17 10:15 AM	
22	SP6 @ 6'	0-		
3	SP7 @ 1'	0		\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
Z	SP7 @ 3'	0	V 1/24/17 11:30 AM	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
30	SP7 @ 5'	0-	V 1/24/17 11:55 AM	<

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Sampler - UPS - Bus - Other: Delivered By: (Circle One)

Page 16 of 18

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Fax Result: REMARKS:

☐ Yes

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Add'l Phone #: Add'l Fax #:

Released to Imaging: 12/26/2023 11:37:05 AM

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

ARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240

(505) 393-2326 FAX (505) 393-2476

Sampler Name: H70020 Project Location: Project Name: FEDERAL 12-1H BATTERY Phone #: 575-397-6388 city: Hobbs Address: P.O. Box 805 Project Manager: Cliff Brunson Project #: Company Name: FOR LAB USE ONLY Lab I.D. SP7@ SP9 @ 5 NORTH SAMPLE @ SP9 @ 6' SP9@3' SP9 @ 1' SP8 @ 6' SP8 @ 5' SP8 @ 3' SP8 @ 1' BBC International, Inc. LEA COUNTY, NM JEFF ORNELAS Sample I.D. Project Owner: Oxy Fax #: 575-397-0397 State: NM S. (G)RAB OR (C)OMP Zip: # CONTAINERS 88241 GROUNDWATER WASTEWATER 77 7777 MATRIX SOIL SLUDGE OTHER State: Fax #: City: P.O. #: Phone #: Attn: Company: Address ACID/BASE: PRESERV ICE / COOL OTHER: BILL TO 1/24/17 1/24/17 1/24/17 1/24/17 1/24/17 1/24/17 1/24/17 1/24/17 Zip 1/24/17 1/24/17 DATE SAMPLING 3:30 PM 3:25 PM 3:10 PM 2:48 PM 2:22 PM 2:00 PM 1:55 PM 1:40 PM 1:11 PM 12:07 PM TIME ANALYSIS REQUEST

Page 17 of 18

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Phone Result: Fax Result: REMARKS:

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Add'l Phone #: Add'l Fax #:

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST



LEASE NOTE: Liability and Da LOCGOLH Sampler Name: Project Location: Project Name: FEDERAL 12-1H BATTERY Phone #: 575-397-6388 City: Hobbs Address: P.O. Box 805 Project Manager: Cliff Brunson Company Name: BBC International, Inc. FOR LAB USE ONLY Lab I.D. SOUTH SAMPLE @ 1' WEST SAMPLE @ 1' EAST SAMPLE @ 1' LEA COUNTY, NM JEFF ORNELAS Sample I.D. Project Owner: Oxy Fax #: State: NM 575-397-0397 Zip: 88241 OO (G)RAB OR (C)OMP # CONTAINERS GROUNDWATER WASTEWATER < < (SOIL MATRIX SLUDGE OTHER P.O. #: State: City: Attn: Fax #: Phone #: Address Company: ACID/BASE: PRESERV ICE / COOL OTHER: BILL TO 1/24/17 Zip 1/24/17 1/24/17 DATE SAMPLING 3:40 PM 3:45 PM 3:33 PM TIME CI ANALYSIS REQUEST

Sampler - UPS - Bus - Other: Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476

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Page 18 of 18

1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico Energy Minerals and Natural Resources

Form C-141 Revised August 8, 2011

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Submit 1 Copy to appropriate District Office in accordance with 19.15.29 NMAC.

			Rel	ease Notific	ation	and Co	rrective A	ction	
						OPERA'	ΓOR	Initi	al Report Final Repor
					_				
				210				-8289	
Facility Nai	ne Fede	ral 12-1H B	attery			Facility Typ	e Battery		
Surface Ow	ner BLM	1		Mineral C	wner			API No	o. 30-015-40840
				LOCA	TION	OF RE	LEASE		
Unit Letter	Section	Township	Range	Feet from the	North/	South Line	Feet from the	East/West Line	County
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Tumo of Dala	nea Dead	unad water		NAT	URE	-		17-1	D
			ransfer lin	ie.					
	10000	praise mater i						Date and	Hour of Discovery
Was Immedi	ate Notice (7					
		K	∣ Yes ∟	」No □ Not Re	equired			erson, Crystal Wea	iver- NMOCD;
By Whom?	Kathy@ B	BC Internation	nal, Inc.					6 @ 4:43 pm	
Was a Water	course Read		1 37	7 \;		If YES, Vo	lume Impacting t	the Watercourse.	
				_					
If a Watercon	irse was Im	pacted, Descr	ibe Fully.						
D 7 0	CD 11	- 15	11 1 4 .1	77.1					
Describe Cat	ise of Probl	em and Reme	dial Actio	n Taken.*					
	ater transfe	r line leaked 2	20 bbls of	produced water in	to the pa	asture. A vac	uum truck recove	ered 10 bbls of pro	duced water and the line was
repaired.									
Describe Are	a Affected	and Cleanup	Action Ta	ken.*					
		-							
The affected	area is appr	roximately 17	5" x 75' o	ff location in the p	asture.	Remediation	will be completed	d in accordance wi	th a plan approved by both
NMOCD and	i the BLM.								
I hereby cert	fy that the	information g	iven abov	e is true and comp	lete to th	ne best of my	knowledge and u	nderstand that pur	suant to NMOCD rules and
regulations a	ll operators	are required t	o report a	nd/or file certain r	elease no	otifications a	nd perform correc	tive actions for rel	eases which may endanger
public health should their	or the envi	ronment. The	: acceptan	ce of a C-141 repo	ort by the emediate	e NMOCD m	arked as "Final R	eport" does not rel	ieve the operator of liability
or the enviro	nment. In a	iddition, NMC	DCD accer	plance of a C-141	report de	oes not reliev	e the operator of	responsibility for a	compliance water, numan nearm
federal, state	, or local la	ws _k and/or regi	ulations.		·				
	1	/					OIL CON	SERVATION	DIVISION
Signature:	\m\	/ \							
	V			=		Annroved hv	Environmental S	necialist:	
Name of Company Oxy Permian Lid.									
Title: NM	Telephone No. (575) 513-8289								
F-mail Adde	ess Coso	v Summore 6	OVV com			Professional Library			
			WAY.COIII		———————————————————————————————————————	Continuons 0	- Approvat:		Attached
				:: (575) 513-82	289				
Attach Addi	tional She	ets If Necess	sary						

Received by OCD: 12/19/2023 11:55:35 AM

From: Bratcher, Mike, EMNRD

To: <u>Cliff Brunson</u>

Cc: Weaver, Crystal, EMNRD; Casey Summers; Jennifer Hudgens; Ken Swinney; Jennifer Gilkey; Kathy Purvis;

Tucker, Shelly

Subject: RE: OXY - Federal 12-1H Battery (2RP-4053) - Remediation Plan

Date: Wednesday, February 15, 2017 1:40:11 PM

RE: Occidental Permian * Fed 12-1H Battery * 2RP-4053 * DOR: 12/16/16

Cliff,

Your proposal for remediation of the above referenced release is approved. Please advise once remedial activities have been scheduled. Federal sites require BLM approval.

OCD approval does not relieve the operator of liability should their operations fail to adequately investigate and remediate contamination that may pose a threat to ground water, surface water, human health or the environment. In addition, OCD approval does not relieve the operator of responsibility for compliance with any other federal, state, local laws and/or regulations.

If you have any questions or concerns, and for notification, please contact me.

Mike Bratcher NMOCD District 2 811 S. First St. Artesia NM 88210 575-748-1283 Ext 108 mike.bratcher@state.nm.us

From: Cliff Brunson [mailto:cbrunson@bbcinternational.com]

Sent: Tuesday, February 7, 2017 3:17 PM

To: Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>

Cc: Weaver, Crystal, EMNRD < Crystal. Weaver@state.nm.us>; Casey Summers

<Casey_Summers@oxy.com>; Jennifer Hudgens <jennifer_hudgens@oxy.com>; Ken Swinney

<kswinney@bbcinternational.com>; Jennifer Gilkey <jgilkey@bbcinternational.com>; Kathy Purvis
<kathy@bbcinternational.com>

Subject: OXY - Federal 12-1H Battery (2RP-4053) - Remediation Plan

Mike,

This e-mail is to confirm our discussion concerning the remediation plan for the OXY Federal 12-1H Battery release. I have attached the information packet that we used in our discussion with a cover page describing the remediation plan that we agreed upon.

If you would please reply via e-mail with your concurrence on this plan, it would be greatly appreciated.

Thanks, Cliff

Cliff P. Brunson, CEI, CRS
President
BBC International, Inc.
World-Wide Environmental Specialists
Mailing Address:
P. O. Box 805
Hobbs, NM 88241-0805 USA
Shipping Address:
1324 W. Marland St.
Hobbs, NM 88240 USA
Phone: (575) 397-6388
Fax: (575) 397-0397

E-Mail: cbrunson@bbcinternational.com



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From: Tucker, Shelly
To: Cliff Brunson

Cc: Casey Summers; Jennifer Hudgens; Ken Swinney; Jennifer Gilkey; Kathy Purvis

Subject: Re: OXY - Federal 12-1H Battery - Remediation Plan

Date: Tuesday, February 14, 2017 2:46:53 PM

BLM concurs with the NMOCD approval.

If you have any questions or concerns, please do not hesitate to contact me.

Sincerely,

Shelly J Tucker

Environmental Protection Specialist O&G Spill/Release Coordinator

Bureau of Land Management 620 E. Greene St Carlsbad. NM 88220

575.234.5905 - Direct 575.361.0084 - Cellular 575.234.6235 - Emergency Spill Number

stucker@blm.gov

The **BLM acceptance/approval does not** relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that may pose a threat to groundwater, surface water, human health or the environment or if the location fails to reclaim properly. In such an event that the location does not revegetate, or future issues with contaminants are encountered, the operator will be asked to address the issues until the contaminant issues are fully mitigated and the location is successfully reclaimed. In addition, BLM approval does not relieve the operator of responsibility for compliance with any other federal, state or local laws/regulations.

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On Tue, Feb 7, 2017 at 3:29 PM, Cliff Brunson < cbrunson@bbcinternational.com > wrote:

Shelly,

I have attached a remediation plan for the OXY Federal 12-1H Battery release. This plan has been approved by Mike Bratcher of the NMOCD. OXY is requesting the BLM's approval of this plan as well. Upon your review of the materials, it would be appreciated if

you would respond via email with the BLM's approval.

If you have any questions, please let me know.

Thanks, Cliff

Cliff P. Brunson, CEI, CRS

President

BBC International, Inc.

World-Wide Environmental Specialists

Mailing Address:

P. O. Box 805

Hobbs, NM 88241-0805 USA

Shipping Address:

1324 W. Marland St.

Hobbs, NM 88240 USA

Phone: (575) 397-6388

Fax: (575) 397-0397

E-Mail: cbrunson@bbcinternational.com



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New Mexico Office of the State Engineer

Point of Diversion Summary

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

Well Tag **POD Number** Q64 Q16 Q4 Sec Tws Rng

 \mathbf{X}

C 02492 POD2 07 23S 31E

3576996 611767

Driller License: 1509 **Driller Company:** BMS DRILLING COMPANY

Driller Name: ROYBAL, JOE D. (LD)

Drill Start Date: 05/14/2012 **Drill Finish Date:** 05/31/2012 **Plug Date:**

Log File Date: 08/27/2013 **PCW Rcv Date:** Shallow Source: Pipe Discharge Size: 30 GPM **Pump Type: Estimated Yield: Casing Size:** 6.00 Depth Well: 400 feet **Depth Water:** 125 feet

> **Meter Number:** 16563 Meter Make: **MASTERMETER**

1.0000 Meter Serial Number: 53527168 Meter Multiplier: **Number of Dials: Meter Type:** Diversion

Unit of Measure: Gallons **Return Flow Percent: Usage Multiplier: Reading Frequency:**

Meter Readings (in Acre-Feet)

Read Date	Year N	Atr Reading	Flag	Rdr Comment	Mtr Amount Online
01/01/2015	2015	39508400	A	RPT	0
04/01/2015	2015	47638000	A	RPT	24.949
04/30/2015	2015	51651000	A	RPT	12.315
05/31/2015	2015	56066600	A	RPT	13.551
07/01/2015	2015	58740300	A	RPT	8.205
08/01/2015	2015	62357200	A	RPT	11.100
08/31/2015	2015	66100700	A	RPT	11.488
10/01/2015	2015	69225500	A	RPT	9.590
12/01/2015	2015	76310300	A	RPT	21.742
01/01/2016	2016	76310300	A	RPT	0
02/01/2016	2016	76310300	A	RPT	0
03/02/2016	2016	78841100	A	RPT	7.767
04/01/2016	2016	80952800	A	RPT	6.481
05/01/2016	2016	82055300	A	RPT	3.383
06/01/2016	2016	85605600	A	RPT	10.895
07/01/2016	2016	88115890	A	RPT	7.704
07/02/2016	2016	22996000	A	RPT	0
08/01/2016	2016	23851600	A	RPT	2.626
10/01/2016	2016	29486000	A	RPT	17.291
11/01/2016	2016	29738900	A	RPT	0.776
12/01/2016	2016	29738900	A	RPT	0
12/31/2016	2016	29738900	A	RPT	0
x **VTD Ma4	44	*7		<u> </u>	

**YTD Meter Amounts: Year Amount

2015 112.940 2016

56.923

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.

12/7/23 9:37 AM

POINT OF DIVERSION SUMMARY

Beaux Jennings

From: Rodgers, Scott, EMNRD <Scott.Rodgers@emnrd.nm.gov>

Sent: Monday, September 18, 2023 2:36 PM

To: Beaux Jennings

Cc: Hamlet, Robert, EMNRD; Bratcher, Michael, EMNRD

Subject: RE: [EXTERNAL] Federal 12-1H Battery (RP No. 2RP-4053)

You don't often get email from scott.rodgers@emnrd.nm.gov. Learn why this is important

[**EXTERNAL EMAIL**]

The OCD has received your notification. When reporting sampling, it is required to provide and date and time for each location. Include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

Scott Rodgers ● Environmental Specialist
Environmental Bureau
EMNRD - Oil Conservation Division
8801 Horizon Blvd. NE, Suite 260 | Albuquerque, NM 87113
505.469.1830 | scott.rodgers@emnrd.nm.gov

http://www.emnrd.nm.gov/ocd



From: Beaux Jennings

 Sent: Monday, September 18, 2023 12:44 PM

To: Enviro, OCD, EMNRD < OCD.Enviro@emnrd.nm.gov> **Subject:** [EXTERNAL] Federal 12-1H Battery (RP No. 2RP-4053)

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

Good Afternoon.

On behalf of Oxy USA Inc, Ensolum, LLC would like to provide notification for sampling activities that will be conducted at the Federal 12-1H Battery (RP No. 2RP-4053) the week of September 18, 2023. The samples may be used for closure, provided that they meet applicable closure limits.

Thank you,





APPENDIX C

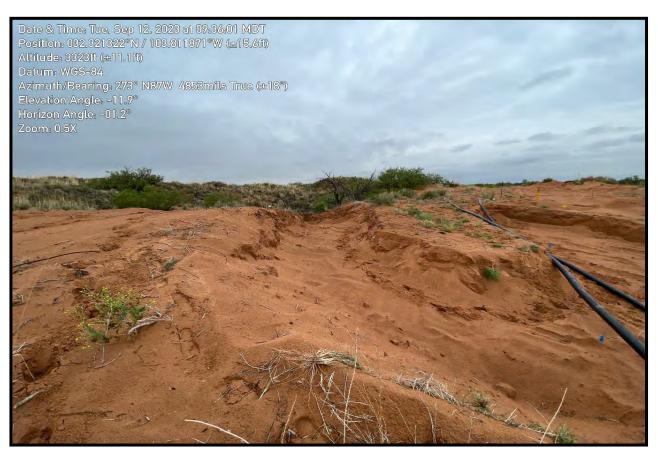
Photographic Documentation



View of initial spill, facing southeast.



View of initial excavation activities, facing northwest.



View of initial excavation activities, facing northwest.



View of initial excavation activities, facing northeast.



APPENDIX D

Table



TABLE 1

SOIL SAMPLE ANALYTICAL RESULTS

Fedeeral 12-1H Battery Oxy USA Inc.

Eddy County, New Mexico
Ensolum Project No. 03B1417058

Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	Total BTEX (mg/kg)	TPH GRO+DRO (mg/kg)	TPH MRO (mg/kg)	Total TPH (GRO+DRO+MRO) (mg/kg)	Chloride (mg/kg)
	Conservation I Soils Impacted I (> 100 feet)	Division Closure by a Release	10	NE	NE	NE	50	1,000	NE	2,500	20,000
					Floor Sample	Analytical Resu	lts				
FS-1	9/12/2023	3	<0.050	<0.050	<0.050	<0.150	< 0.300	<10.0	<10.0	<10.0	32.0
FS-2	9/12/2023	3	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	192
FS-3	9/12/2023	3	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	48.0
FS-4	9/12/2023	3	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	32.0
FS-5	9/12/2023	3	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	80.0
FS-6	9/12/2023	3	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	48.0
FS-7	9/12/2023	3	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	32.0
FS-8	9/12/2023	3	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	48.0
FS-9	9/12/2023	3	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	96.0
FS-10	9/12/2023	3	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	32.0
FS-11	9/12/2023	3	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	32.0
FS-12	9/12/2023	3	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	16.0
FS-13	9/12/2023	3	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	32.0
FS-14	9/12/2023	3	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	16.0
FS-15	9/12/2023	3	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	32.0
FS-16	9/12/2023	3	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	16.0
FS-17	9/12/2023	3	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	80.0
FS-18	9/12/2023	3	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	16.0
FS-19	9/12/2023	3	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	48.0
FS-20	9/12/2023	3	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	16.0
FS-21	9/12/2023	3	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	32.0
FS-22	9/12/2023	3	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	16.0
FS-23	9/12/2023	3	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	16.0
FS-24	9/12/2023	3	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	48.0
FS-25	9/12/2023	3	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	48.0
FS-26	9/12/2023	3	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	64.0
FS-27	9/12/2023	3	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	64.0
FS-28	9/12/2023	3	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	32.0
FS-29	9/12/2023	3	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	32.0
FS-30	9/12/2023	3	<0.050	< 0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	48.0

TABLE 1

SOIL SAMPLE ANALYTICAL RESULTS

Fedeeral 12-1H Battery Oxy USA Inc.

Eddy County, New Mexico
Ensolum Project No. 03B1417058

Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	Total BTEX (mg/kg)	TPH GRO+DRO (mg/kg)	TPH MRO (mg/kg)	Total TPH (GRO+DRO+MRO) (mg/kg)	Chloride (mg/kg)
	Conservation I Soils Impacted (> 100 feet)	Division Closure by a Release	10	NE	NE	NE	50	1,000	NE	2,500	20,000
FS-31	9/12/2023	3	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	320
FS-32	9/12/2023	3	<0.050	< 0.050	<0.050	<0.150	< 0.300	<10.0	<10.0	<10.0	16.0
FS-33	9/12/2023	3	<0.050	< 0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<16.0
FS-34	9/12/2023	3	<0.050	< 0.050	<0.050	<0.150	< 0.300	<10.0	<10.0	<10.0	32.0
FS-35	9/12/2023	3	<0.050	< 0.050	<0.050	<0.150	< 0.300	<10.0	<10.0	<10.0	16.0
FS-36	9/12/2023	3	<0.050	< 0.050	< 0.050	<0.150	< 0.300	<10.0	<10.0	<10.0	32.0
FS-37	9/12/2023	3	<0.050	< 0.050	<0.050	<0.150	< 0.300	<10.0	<10.0	<10.0	16.0
FS-38	9/12/2023	3	<0.050	< 0.050	<0.050	<0.150	< 0.300	<10.0	<10.0	<10.0	16.0
FS-39	9/12/2023	3	<0.050	< 0.050	< 0.050	<0.150	< 0.300	<10.0	<10.0	<10.0	32.0
FS-40	9/12/2023	3	<0.050	< 0.050	<0.050	<0.150	< 0.300	<10.0	<10.0	<10.0	32.0
FS-41	9/12/2023	3	<0.050	< 0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	32.0
FS-42	9/12/2023	3	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	48.0
FS-43	9/12/2023	3	<0.050	< 0.050	<0.050	<0.150	< 0.300	<10.0	<10.0	<10.0	304
FS-44	9/12/2023	3	<0.050	< 0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	80.0
FS-45	9/12/2023	3	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	32.0
FS-46	9/12/2023	3	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	32.0
FS-47	9/12/2023	3	<0.050	< 0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<16.0
FS-48	9/12/2023	6	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	2,200
					Sidewall Samp	le Analytical Res	ults				
SW-1	9/12/2023	0 - 3	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	464
SW-2	9/12/2023	0 - 3	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	16.0
SW-3	9/12/2023	0 - 3	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<16.0
SW-4	9/12/2023	0 - 3	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<16.0
SW-5	9/12/2023	0 - 3	<0.050	<0.050	<0.050	<0.150	< 0.300	<10.0	<10.0	<10.0	656
SVV-5	9/19/2023	0 - 3			NS				NS		288
SW-6	9/12/2023	0 - 3	<0.050	<0.050	<0.050	<0.150	< 0.300	<10.0	<10.0	<10.0	48.0
SW-7	9/12/2023	0 - 3	<0.050	<0.050	<0.050	<0.150	< 0.300	<10.0	<10.0	<10.0	64.0
SW-8	9/12/2023	0 - 3	<0.050	<0.050	<0.050	<0.150	< 0.300	<10.0	<10.0	<10.0	96.0
SW-9	9/12/2023	0 - 6	<0.050	<0.050	<0.050	<0.150	< 0.300	<10.0	<10.0	<10.0	112
SW-10	9/12/2023	0 - 6	<0.050	<0.050	<0.050	<0.150	< 0.300	<10.0	<10.0	<10.0	32.0
SW-11	9/12/2023	0 - 3	<0.050	< 0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	224
SW-12	9/12/2023	0 - 3	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	32.0

TABLE 1

SOIL SAMPLE ANALYTICAL RESULTS

Fedeeral 12-1H Battery Oxy USA Inc.

				so	IL SAMPLE AN Fedeeral Oxy Eddy Cour	NBLE 1 NALYTICAL R 12-1H Battery USA Inc. nty, New Mexic ect No. 03B141	0			E E N S	OLUM
Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	Total BTEX (mg/kg)	TPH GRO+DRO (mg/kg)	TPH MRO (mg/kg)	Total TPH (GRO+DRO+MRO) (mg/kg)	Chloride (mg/kg)
New Mexico Oil Criteria for S	Conservation I Soils Impacted I (> 100 feet)		10	NE	NE	NE	50	1,000	NE	2,500	20,000
					Delineation Sam	ple Analytical Re	sults				
DS-1	9/19/2023	0 - 0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	48.0
DS-2	9/19/2023	0 - 0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	32.0
DS-3	9/19/2023	0 - 0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<16.0
DS-4	9/19/2023	0 - 0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<16.0
DS-5	9/19/2023	0 - 0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	32.0
DS-6	9/19/2023	0 - 0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<16.0
DS-7	9/19/2023	0 - 0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<16.0
DS-8	9/19/2023	0 - 0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	16.0
DS-9	9/19/2023	0 - 0.25	<0.050	<0.050	<0.050	<0.150	< 0.300	<10.0	<10.0	<10.0	32.0

Over Ecavated and/or Re-Sampled

bgs: below ground surface

mg/kg: milligrams per kilogram

NE: Not Established

NS: Not Sampled

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

MRO: Motor Oil/Lube Oil Range Organics

TPH: Total Petroleum Hydrocarbon



APPENDIX E

Laboratory Data Sheets & Chain-of-Custody Documentation



September 14, 2023

BEAUX JENNINGS

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: FEDERAL 12 - 1 H BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 09/12/23 14:16.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/ga/lab accred certif.html.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2 Haloacetic Acids (HAA-5)
Method EPA 524.2 Total Trihalomethanes (TTHM)
Method EPA 524.4 Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

Celey D. Keene

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 09/12/2023 Sampling Date: 09/12/2023

Reported: 09/14/2023 Sampling Type: Soil

Project Name: FEDERAL 12 - 1 H BATTERY Sampling Condition: Cool & Intact
Project Number: 03B1417098 Sample Received By: Shalyn Rodriguez

Analyzed By MC

Project Location: EDDY COUNTY

Sample ID: FS - 1 3' (H234928-01)

DTEV 0021D

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/12/2023	ND	2.09	104	2.00	0.952	
Toluene*	<0.050	0.050	09/12/2023	ND	2.09	105	2.00	2.89	
Ethylbenzene*	<0.050	0.050	09/12/2023	ND	2.05	102	2.00	1.01	
Total Xylenes*	<0.150	0.150	09/12/2023	ND	6.17	103	6.00	0.610	
Total BTEX	<0.300	0.300	09/12/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	09/13/2023	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/12/2023	ND	201	100	200	3.58	
DRO >C10-C28*	<10.0	10.0	09/12/2023	ND	211	106	200	0.345	
EXT DRO >C28-C36	<10.0	10.0	09/12/2023	ND					
Surrogate: 1-Chlorooctane	84.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	97.5	% 49.1-14	8						

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Celey D. Keene



Analytical Results For:

ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 09/12/2023 Sampling Date: 09/12/2023

Reported: 09/14/2023 Sampling Type: Soil

Project Name: FEDERAL 12 - 1 H BATTERY Sampling Condition: Cool & Intact
Project Number: 03B1417098 Sample Received By: Shalyn Rodriguez

Applyzod By: MC

Project Location: EDDY COUNTY

ma/ka

Sample ID: FS - 2 3' (H234928-02)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	а ву: м5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/12/2023	ND	2.09	104	2.00	0.952	
Toluene*	<0.050	0.050	09/12/2023	ND	2.09	105	2.00	2.89	
Ethylbenzene*	<0.050	0.050	09/12/2023	ND	2.05	102	2.00	1.01	
Total Xylenes*	<0.150	0.150	09/12/2023	ND	6.17	103	6.00	0.610	
Total BTEX	<0.300	0.300	09/12/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	09/13/2023	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/12/2023	ND	201	100	200	3.58	
DRO >C10-C28*	<10.0	10.0	09/12/2023	ND	211	106	200	0.345	
EXT DRO >C28-C36	<10.0	10.0	09/12/2023	ND					
Surrogate: 1-Chlorooctane	85.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	96.8	% 49.1-14	8						

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Celey D. Keene



Analytical Results For:

ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 09/12/2023 Reported: 09/14/2023

ma/ka

Project Name: FEDERAL 12 - 1 H BATTERY Samp Project Number: 03B1417098 Samp

Project Location: EDDY COUNTY

Sampling Date: 09/12/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: FS - 3 3' (H234928-03)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	а ву: м5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/12/2023	ND	2.09	104	2.00	0.952	
Toluene*	<0.050	0.050	09/12/2023	ND	2.09	105	2.00	2.89	
Ethylbenzene*	<0.050	0.050	09/12/2023	ND	2.05	102	2.00	1.01	
Total Xylenes*	<0.150	0.150	09/12/2023	ND	6.17	103	6.00	0.610	
Total BTEX	<0.300	0.300	09/12/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	09/13/2023	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/12/2023	ND	201	100	200	3.58	
DRO >C10-C28*	<10.0	10.0	09/12/2023	ND	211	106	200	0.345	
EXT DRO >C28-C36	<10.0	10.0	09/12/2023	ND					
Surrogate: 1-Chlorooctane	83.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	95.0	% 49.1-14	8						

Applyzod By: MC

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Celey D. Keene



Analytical Results For:

ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 09/12/2023 Sampling Date: 09/12/2023

Reported: 09/14/2023 Sampling Type: Soil

Project Name: FEDERAL 12 - 1 H BATTERY Sampling Condition: Cool & Intact
Project Number: 03B1417098 Sample Received By: Shalyn Rodriguez

Applyzod By: MC

Project Location: EDDY COUNTY

ma/ka

Sample ID: FS - 4 3' (H234928-04)

RTFY 8021R

BIEX 8021B	mg	/ kg	Anaiyze	а ву: м5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/12/2023	ND	2.09	104	2.00	0.952	
Toluene*	<0.050	0.050	09/12/2023	ND	2.09	105	2.00	2.89	
Ethylbenzene*	<0.050	0.050	09/12/2023	ND	2.05	102	2.00	1.01	
Total Xylenes*	<0.150	0.150	09/12/2023	ND	6.17	103	6.00	0.610	
Total BTEX	<0.300	0.300	09/12/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	09/13/2023	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/12/2023	ND	201	100	200	3.58	
DRO >C10-C28*	<10.0	10.0	09/12/2023	ND	211	106	200	0.345	
EXT DRO >C28-C36	<10.0	10.0	09/12/2023	ND					
Surrogate: 1-Chlorooctane	86.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	97.6	% 49.1-14	8						

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Celey D. Keine



Analytical Results For:

ENSOLUM, LLC **BEAUX JENNINGS** 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 09/12/2023 Sampling Date: 09/12/2023

Reported: 09/14/2023 Sampling Type: Soil

Project Name: FEDERAL 12 - 1 H BATTERY Sampling Condition: Cool & Intact Project Number: Shalyn Rodriguez 03B1417098 Sample Received By:

Project Location: **EDDY COUNTY**

Sample ID: FS - 5 3' (H234928-05)

BTEX 8021B	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/12/2023	ND	2.09	104	2.00	0.952	
Toluene*	<0.050	0.050	09/12/2023	ND	2.09	105	2.00	2.89	
Ethylbenzene*	<0.050	0.050	09/12/2023	ND	2.05	102	2.00	1.01	
Total Xylenes*	<0.150	0.150	09/12/2023	ND	6.17	103	6.00	0.610	
Total BTEX	<0.300	0.300	09/12/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	09/13/2023	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/12/2023	ND	201	100	200	3.58	
DRO >C10-C28*	<10.0	10.0	09/12/2023	ND	211	106	200	0.345	
EXT DRO >C28-C36	<10.0	10.0	09/12/2023	ND					
Surrogate: 1-Chlorooctane	85.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	96.8	% 49.1-14	8						

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Celey D. Keene



Analytical Results For:

ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 09/12/2023 Sampling Date: 09/12/2023

Reported: 09/14/2023 Sampling Type: Soil

Project Name: FEDERAL 12 - 1 H BATTERY Sampling Condition: Cool & Intact
Project Number: 03B1417098 Sample Received By: Shalyn Rodriguez

Applyzod By: MC

Project Location: EDDY COUNTY

ma/ka

Sample ID: FS - 6 3' (H234928-06)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	а ву: м5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/12/2023	ND	2.09	104	2.00	0.952	
Toluene*	<0.050	0.050	09/12/2023	ND	2.09	105	2.00	2.89	
Ethylbenzene*	<0.050	0.050	09/12/2023	ND	2.05	102	2.00	1.01	
Total Xylenes*	<0.150	0.150	09/12/2023	ND	6.17	103	6.00	0.610	
Total BTEX	<0.300	0.300	09/12/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	09/13/2023	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/12/2023	ND	201	100	200	3.58	
DRO >C10-C28*	<10.0	10.0	09/12/2023	ND	211	106	200	0.345	
EXT DRO >C28-C36	<10.0	10.0	09/12/2023	ND					
Surrogate: 1-Chlorooctane	83.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	94.6	% 49.1-14	8						

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Celey D. Keene



09/12/2023

Analytical Results For:

ENSOLUM, LLC **BEAUX JENNINGS** 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 09/12/2023 Sampling Date:

Reported: 09/14/2023 Sampling Type: Soil

Project Name: FEDERAL 12 - 1 H BATTERY Sampling Condition: Cool & Intact Sample Received By: Project Number: 03B1417098 Shalyn Rodriguez

Project Location: **EDDY COUNTY**

Sample ID: FS - 7 3' (H234928-07)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/13/2023	ND	2.09	104	2.00	0.952	
Toluene*	<0.050	0.050	09/13/2023	ND	2.09	105	2.00	2.89	
Ethylbenzene*	<0.050	0.050	09/13/2023	ND	2.05	102	2.00	1.01	
Total Xylenes*	<0.150	0.150	09/13/2023	ND	6.17	103	6.00	0.610	
Total BTEX	<0.300	0.300	09/13/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	103 %	6 71.5-13	4						
Chloride, SM4500CI-B	mg/	kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	09/13/2023	ND	432	108	400	0.00	
TPH 8015M	mg/	kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/12/2023	ND	201	100	200	3.58	
DRO >C10-C28*	<10.0	10.0	09/12/2023	ND	211	106	200	0.345	
EXT DRO >C28-C36	<10.0	10.0	09/12/2023	ND					
Surrogate: 1-Chlorooctane	83.0 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	93.6	% 49.1-14	8						

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Celey D. Keine



Analytical Results For:

ENSOLUM, LLC **BEAUX JENNINGS** 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 09/12/2023 Sampling Date: 09/12/2023

Reported: 09/14/2023 Sampling Type: Soil

Project Name: FEDERAL 12 - 1 H BATTERY Sampling Condition: Cool & Intact Sample Received By: Project Number: 03B1417098 Shalyn Rodriguez

Project Location: **EDDY COUNTY**

Sample ID: FS - 8 3' (H234928-08)

BTEX 8021B	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/13/2023	ND	2.09	104	2.00	0.952	
Toluene*	<0.050	0.050	09/13/2023	ND	2.09	105	2.00	2.89	
Ethylbenzene*	<0.050	0.050	09/13/2023	ND	2.05	102	2.00	1.01	
Total Xylenes*	<0.150	0.150	09/13/2023	ND	6.17	103	6.00	0.610	
Total BTEX	<0.300	0.300	09/13/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	09/13/2023	ND	432	108	400	0.00	
TPH 8015M	mg/	'kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/12/2023	ND	201	100	200	3.58	
DRO >C10-C28*	<10.0	10.0	09/12/2023	ND	211	106	200	0.345	
EXT DRO >C28-C36	<10.0	10.0	09/12/2023	ND					
Surrogate: 1-Chlorooctane	83.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	92.5	% 49.1-14	8						

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Celey D. Keene



Analytical Results For:

ENSOLUM, LLC **BEAUX JENNINGS** 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 09/12/2023 Sampling Date: 09/12/2023

Reported: 09/14/2023 Sampling Type: Soil

Project Name: FEDERAL 12 - 1 H BATTERY Sampling Condition: Cool & Intact Project Number: Shalyn Rodriguez 03B1417098 Sample Received By:

Project Location: **EDDY COUNTY**

Sample ID: FS - 9 3' (H234928-09)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/13/2023	ND	2.09	104	2.00	0.952	
Toluene*	<0.050	0.050	09/13/2023	ND	2.09	105	2.00	2.89	
Ethylbenzene*	<0.050	0.050	09/13/2023	ND	2.05	102	2.00	1.01	
Total Xylenes*	<0.150	0.150	09/13/2023	ND	6.17	103	6.00	0.610	
Total BTEX	<0.300	0.300	09/13/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	09/13/2023	ND	432	108	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/12/2023	ND	201	100	200	3.58	
DRO >C10-C28*	<10.0	10.0	09/12/2023	ND	211	106	200	0.345	
EXT DRO >C28-C36	<10.0	10.0	09/12/2023	ND					
Surrogate: 1-Chlorooctane	84.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	93.5	% 49.1-14	8						

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Analytical Results For:

ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 09/12/2023 Sampling Date: 09/12/2023

Reported: 09/14/2023 Sampling Type: Soil
Project Name: FEDERAL 12 - 1 H BATTERY Sampling Condition: Cool & Intact

Project Number: 03B1417098 Sample Received By: Shalyn Rodriguez
Project Location: EDDY COUNTY

Sample ID: FS - 10 3' (H234928-10)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/13/2023	ND	2.09	104	2.00	0.952	
Toluene*	<0.050	0.050	09/13/2023	ND	2.09	105	2.00	2.89	
Ethylbenzene*	<0.050	0.050	09/13/2023	ND	2.05	102	2.00	1.01	
Total Xylenes*	<0.150	0.150	09/13/2023	ND	6.17	103	6.00	0.610	
Total BTEX	<0.300	0.300	09/13/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	09/13/2023	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/12/2023	ND	201	100	200	3.58	
DRO >C10-C28*	<10.0	10.0	09/12/2023	ND	211	106	200	0.345	
EXT DRO >C28-C36	<10.0	10.0	09/12/2023	ND					
Surrogate: 1-Chlorooctane	87.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	96.9	% 49.1-14	8						

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Analytical Results For:

ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 09/12/2023 Sampling Date: 09/12/2023

Reported: 09/14/2023 Sampling Type: Soil

Project Name: FEDERAL 12 - 1 H BATTERY Sampling Condition: Cool & Intact
Project Number: 03B1417098 Sample Received By: Shalyn Rodriguez

Applyzod By: MC

Project Location: EDDY COUNTY

ma/ka

Sample ID: FS - 11 3' (H234928-11)

RTFY 8021R

BIEX 8021B	mg	/ kg	Anaiyze	а ву: м5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/13/2023	ND	2.09	104	2.00	0.952	
Toluene*	<0.050	0.050	09/13/2023	ND	2.09	105	2.00	2.89	
Ethylbenzene*	<0.050	0.050	09/13/2023	ND	2.05	102	2.00	1.01	
Total Xylenes*	<0.150	0.150	09/13/2023	ND	6.17	103	6.00	0.610	
Total BTEX	<0.300	0.300	09/13/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	09/13/2023	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/12/2023	ND	201	100	200	3.58	
DRO >C10-C28*	<10.0	10.0	09/12/2023	ND	211	106	200	0.345	
EXT DRO >C28-C36	<10.0	10.0	09/12/2023	ND					
Surrogate: 1-Chlorooctane	87.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	98.6	% 49.1-14	8						

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Analytical Results For:

ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 09/12/2023 Sampling Date: 09/12/2023

Reported: 09/14/2023 Sampling Type: Soil

Project Name: FEDERAL 12 - 1 H BATTERY Sampling Condition: Cool & Intact
Project Number: 03B1417098 Sample Received By: Shalyn Rodriguez

Applyzod By: MC

Project Location: EDDY COUNTY

ma/ka

Sample ID: FS - 12 3' (H234928-12)

RTFY 8021R

BIEX 8021B	mg,	/ kg	Anaiyze	а ву: м5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/13/2023	ND	2.09	104	2.00	0.952	
Toluene*	<0.050	0.050	09/13/2023	ND	2.09	105	2.00	2.89	
Ethylbenzene*	<0.050	0.050	09/13/2023	ND	2.05	102	2.00	1.01	
Total Xylenes*	<0.150	0.150	09/13/2023	ND	6.17	103	6.00	0.610	
Total BTEX	<0.300	0.300	09/13/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	09/13/2023	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/12/2023	ND	201	100	200	3.58	
DRO >C10-C28*	<10.0	10.0	09/12/2023	ND	211	106	200	0.345	
EXT DRO >C28-C36	<10.0	10.0	09/12/2023	ND					
Surrogate: 1-Chlorooctane	86.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	97.2	% 49.1-14	8						

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Analytical Results For:

ENSOLUM, LLC **BEAUX JENNINGS** 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 09/12/2023 Reported: 09/14/2023

Project Name: FEDERAL 12 - 1 H BATTERY

Project Number: 03B1417098 Project Location: **EDDY COUNTY** Sampling Date: 09/12/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Shalyn Rodriguez

Sample ID: FS - 13 3' (H234928-13)

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/13/2023	ND	2.09	104	2.00	0.952	
Toluene*	<0.050	0.050	09/13/2023	ND	2.09	105	2.00	2.89	
Ethylbenzene*	<0.050	0.050	09/13/2023	ND	2.05	102	2.00	1.01	
Total Xylenes*	<0.150	0.150	09/13/2023	ND	6.17	103	6.00	0.610	
Total BTEX	<0.300	0.300	09/13/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	103 5	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	'kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	09/13/2023	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/12/2023	ND	201	100	200	3.58	
DRO >C10-C28*	<10.0	10.0	09/12/2023	ND	211	106	200	0.345	
EXT DRO >C28-C36	<10.0	10.0	09/12/2023	ND					
Surrogate: 1-Chlorooctane	84.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	94.2	% 49.1-14	8						

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09/12/2023

Analytical Results For:

ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 09/12/2023 Sampling Date:

Reported: 09/14/2023 Sampling Type: Soil
Project Name: FEDERAL 12 - 1 H BATTERY Sampling Condition: Cool & Intact

Project Number: 03B1417098 Sample Received By: Shalyn Rodriguez
Project Location: EDDY COUNTY

Sample ID: FS - 14 3' (H234928-14)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/13/2023	ND	2.09	104	2.00	0.952	
Toluene*	<0.050	0.050	09/13/2023	ND	2.09	105	2.00	2.89	
Ethylbenzene*	<0.050	0.050	09/13/2023	ND	2.05	102	2.00	1.01	
Total Xylenes*	<0.150	0.150	09/13/2023	ND	6.17	103	6.00	0.610	
Total BTEX	<0.300	0.300	09/13/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	09/13/2023	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/12/2023	ND	201	100	200	3.58	
DRO >C10-C28*	<10.0	10.0	09/12/2023	ND	211	106	200	0.345	
EXT DRO >C28-C36	<10.0	10.0	09/12/2023	ND					
Surrogate: 1-Chlorooctane	89.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	102	% 49.1-14	8						

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Analytical Results For:

ENSOLUM, LLC **BEAUX JENNINGS** 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 09/12/2023 Sampling Date: 09/12/2023 Reported: 09/14/2023 Sampling Type: Soil

Project Name: FEDERAL 12 - 1 H BATTERY Sampling Condition: Cool & Intact Project Number: 03B1417098 Sample Received By: Shalyn Rodriguez

Project Location: **EDDY COUNTY**

Sample ID: FS - 15 3' (H234928-15)

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/13/2023	ND	2.09	104	2.00	0.952	
Toluene*	<0.050	0.050	09/13/2023	ND	2.09	105	2.00	2.89	
Ethylbenzene*	<0.050	0.050	09/13/2023	ND	2.05	102	2.00	1.01	
Total Xylenes*	<0.150	0.150	09/13/2023	ND	6.17	103	6.00	0.610	
Total BTEX	<0.300	0.300	09/13/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	09/13/2023	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/13/2023	ND	201	100	200	3.58	
DRO >C10-C28*	<10.0	10.0	09/13/2023	ND	211	106	200	0.345	
EXT DRO >C28-C36	<10.0	10.0	09/13/2023	ND					
Surrogate: 1-Chlorooctane	87.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	98.5	% 49.1-14	8						

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Analytical Results For:

ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 09/12/2023 Sampling Date: 09/12/2023

Reported: 09/14/2023 Sampling Type: Soil

Project Name: FEDERAL 12 - 1 H BATTERY Sampling Condition: Cool & Intact
Project Number: 03B1417098 Sample Received By: Shalyn Rodriguez

Analyzed By: MS

Project Location: EDDY COUNTY

mg/kg

Sample ID: FS - 16 3' (H234928-16)

BTEX 8021B

	9,	9	7	7: : : :					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/13/2023	ND	2.09	104	2.00	0.952	
Toluene*	<0.050	0.050	09/13/2023	ND	2.09	105	2.00	2.89	
Ethylbenzene*	<0.050	0.050	09/13/2023	ND	2.05	102	2.00	1.01	
Total Xylenes*	<0.150	0.150	09/13/2023	ND	6.17	103	6.00	0.610	
Total BTEX	<0.300	0.300	09/13/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	09/13/2023	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/13/2023	ND	201	100	200	3.58	
DRO >C10-C28*	<10.0	10.0	09/13/2023	ND	211	106	200	0.345	
EXT DRO >C28-C36	<10.0	10.0	09/13/2023	ND					
Surrogate: 1-Chlorooctane	83.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	93.8	% 49.1-14	8						

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Analytical Results For:

ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 09/12/2023 Sampling Date: 09/12/2023

Reported: 09/14/2023 Sampling Type: Soil

Project Name: FEDERAL 12 - 1 H BATTERY Sampling Condition: Cool & Intact
Project Number: 03B1417098 Sample Received By: Shalyn Rodriguez

Applyzod By: MC

Project Location: EDDY COUNTY

ma/ka

Sample ID: FS - 17 3' (H234928-17)

RTFY 8021R

BIEX 8021B	mg	/ kg	Anaiyze	а ву: м5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/13/2023	ND	2.09	104	2.00	0.952	
Toluene*	<0.050	0.050	09/13/2023	ND	2.09	105	2.00	2.89	
Ethylbenzene*	<0.050	0.050	09/13/2023	ND	2.05	102	2.00	1.01	
Total Xylenes*	<0.150	0.150	09/13/2023	ND	6.17	103	6.00	0.610	
Total BTEX	<0.300	0.300	09/13/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	09/13/2023	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/13/2023	ND	201	100	200	3.58	
DRO >C10-C28*	<10.0	10.0	09/13/2023	ND	211	106	200	0.345	
EXT DRO >C28-C36	<10.0	10.0	09/13/2023	ND					
Surrogate: 1-Chlorooctane	81.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	90.8	% 49.1-14	8						
~									

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Celey D. Keine



Analytical Results For:

ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 09/12/2023 Sampling Date: 09/12/2023

Reported: 09/14/2023 Sampling Type: Soil

Project Name: FEDERAL 12 - 1 H BATTERY Sampling Condition: Cool & Intact
Project Number: 03B1417098 Sample Received By: Shalyn Rodriguez

Analyzed By: MS

Project Location: EDDY COUNTY

mg/kg

Sample ID: FS - 18 3' (H234928-18)

BTEX 8021B

	9,	9	7	7: : : :					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/13/2023	ND	2.09	104	2.00	0.952	
Toluene*	<0.050	0.050	09/13/2023	ND	2.09	105	2.00	2.89	
Ethylbenzene*	<0.050	0.050	09/13/2023	ND	2.05	102	2.00	1.01	
Total Xylenes*	<0.150	0.150	09/13/2023	ND	6.17	103	6.00	0.610	
Total BTEX	<0.300	0.300	09/13/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	09/13/2023	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/13/2023	ND	197	98.7	200	11.3	
DRO >C10-C28*	<10.0	10.0	09/13/2023	ND	210	105	200	2.35	
EXT DRO >C28-C36	<10.0	10.0	09/13/2023	ND					
Surrogate: 1-Chlorooctane	82.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	93.8	% 49.1-14	8						

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Analytical Results For:

ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 09/12/2023 Sampling Date: 09/12/2023

Reported: 09/14/2023 Sampling Type: Soil

Project Name: FEDERAL 12 - 1 H BATTERY Sampling Condition: Cool & Intact
Project Number: 03B1417098 Sample Received By: Shalyn Rodriguez

Analyzed By: MS

Project Location: EDDY COUNTY

mg/kg

Sample ID: FS - 19 3' (H234928-19)

BTEX 8021B

	<u> </u>								
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/13/2023	ND	2.09	104	2.00	0.952	
Toluene*	<0.050	0.050	09/13/2023	ND	2.09	105	2.00	2.89	
Ethylbenzene*	<0.050	0.050	09/13/2023	ND	2.05	102	2.00	1.01	
Total Xylenes*	<0.150	0.150	09/13/2023	ND	6.17	103	6.00	0.610	
Total BTEX	<0.300	0.300	09/13/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	09/13/2023	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/13/2023	ND	197	98.7	200	11.3	
DRO >C10-C28*	<10.0	10.0	09/13/2023	ND	210	105	200	2.35	
EXT DRO >C28-C36	<10.0	10.0	09/13/2023	ND					
Surrogate: 1-Chlorooctane	78.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	90.8	% 49.1-14	8						

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Analytical Results For:

ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 09/12/2023 Reported: 09/14/2023

ma/ka

Project Name: FEDERAL 12 - 1 H BATTERY
Project Number: 03B1417098

Project Location: EDDY COUNTY

Sampling Date: 09/12/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: FS - 20 3' (H234928-20)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	а ву: м5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/13/2023	ND	2.09	104	2.00	0.952	
Toluene*	<0.050	0.050	09/13/2023	ND	2.09	105	2.00	2.89	
Ethylbenzene*	<0.050	0.050	09/13/2023	ND	2.05	102	2.00	1.01	
Total Xylenes*	<0.150	0.150	09/13/2023	ND	6.17	103	6.00	0.610	
Total BTEX	<0.300	0.300	09/13/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	100	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	09/13/2023	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/13/2023	ND	197	98.7	200	11.3	
DRO >C10-C28*	<10.0	10.0	09/13/2023	ND	210	105	200	2.35	
EXT DRO >C28-C36	<10.0	10.0	09/13/2023	ND					
Surrogate: 1-Chlorooctane	83.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	94.6	% 49.1-14	8						

Applyzod By: MC

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09/12/2023

Analytical Results For:

ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 09/12/2023 Sampling Date:

Reported: 09/14/2023 Sampling Type: Soil
Project Name: FEDERAL 12 - 1 H BATTERY Sampling Condition: Coo

Project Name: FEDERAL 12 - 1 H BATTERY Sampling Condition: Cool & Intact
Project Number: 03B1417098 Sample Received By: Shalyn Rodriguez

Analyzed By: MS

Project Location: EDDY COUNTY

mg/kg

Sample ID: FS - 21 3' (H234928-21)

BTEX 8021B

	9,	9	7	7: : : :					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/14/2023	ND	1.95	97.6	2.00	2.29	
Toluene*	<0.050	0.050	09/14/2023	ND	2.04	102	2.00	2.63	
Ethylbenzene*	<0.050	0.050	09/14/2023	ND	2.11	106	2.00	2.34	
Total Xylenes*	<0.150	0.150	09/14/2023	ND	5.73	95.5	6.00	1.17	
Total BTEX	<0.300	0.300	09/14/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	114	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	09/13/2023	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/13/2023	ND	197	98.7	200	11.3	
DRO >C10-C28*	<10.0	10.0	09/13/2023	ND	210	105	200	2.35	
EXT DRO >C28-C36	<10.0	10.0	09/13/2023	ND					
Surrogate: 1-Chlorooctane	82.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	93.3	% 49.1-14	8						

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Analytical Results For:

ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 09/12/2023 Sampling Date: 09/12/2023

Reported: 09/14/2023 Sampling Type: Soil

Project Name: FEDERAL 12 - 1 H BATTERY Sampling Condition: Cool & Intact
Project Number: 03B1417098 Sample Received By: Shalyn Rodriguez

Analyzed By: MS

Project Location: EDDY COUNTY

mg/kg

Sample ID: FS - 22 3' (H234928-22)

BTEX 8021B

	9,	9	7	7: : : :					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/14/2023	ND	1.95	97.6	2.00	2.29	
Toluene*	<0.050	0.050	09/14/2023	ND	2.04	102	2.00	2.63	
Ethylbenzene*	<0.050	0.050	09/14/2023	ND	2.11	106	2.00	2.34	
Total Xylenes*	<0.150	0.150	09/14/2023	ND	5.73	95.5	6.00	1.17	
Total BTEX	<0.300	0.300	09/14/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	115	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	09/13/2023	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/13/2023	ND	197	98.7	200	11.3	
DRO >C10-C28*	<10.0	10.0	09/13/2023	ND	210	105	200	2.35	
EXT DRO >C28-C36	<10.0	10.0	09/13/2023	ND					
Surrogate: 1-Chlorooctane	98.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	113	% 49.1-14	8						

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Analytical Results For:

ENSOLUM, LLC **BEAUX JENNINGS** 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 09/12/2023 Sampling Date: 09/12/2023

Reported: 09/14/2023 Sampling Type: Soil

Project Name: FEDERAL 12 - 1 H BATTERY Sampling Condition: Cool & Intact Sample Received By: Project Number: 03B1417098 Shalyn Rodriguez

Project Location: **EDDY COUNTY**

Sample ID: FS - 23 3' (H234928-23)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/14/2023	ND	1.95	97.6	2.00	2.29	
Toluene*	<0.050	0.050	09/14/2023	ND	2.04	102	2.00	2.63	
Ethylbenzene*	<0.050	0.050	09/14/2023	ND	2.11	106	2.00	2.34	
Total Xylenes*	<0.150	0.150	09/14/2023	ND	5.73	95.5	6.00	1.17	
Total BTEX	<0.300	0.300	09/14/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	114 9	6 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	09/13/2023	ND	448	112	400	7.41	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/13/2023	ND	197	98.7	200	11.3	
DRO >C10-C28*	<10.0	10.0	09/13/2023	ND	210	105	200	2.35	
EXT DRO >C28-C36	<10.0	10.0	09/13/2023	ND					
Surrogate: 1-Chlorooctane	83.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	96.1	% 49.1-14	8						

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Analytical Results For:

ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 09/12/2023 Sampling Date: 09/12/2023

Reported: 09/14/2023 Sampling Type: Soil

Project Name: FEDERAL 12 - 1 H BATTERY Sampling Condition: Cool & Intact
Project Number: 03B1417098 Sample Received By: Shalyn Rodriguez

Applyzod By: MC

Project Location: EDDY COUNTY

ma/ka

Sample ID: FS - 24 3' (H234928-24)

RTFY 8021R

B1EX 8021B	mg	/кд	Anaiyze	а ву: м5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/14/2023	ND	1.95	97.6	2.00	2.29	
Toluene*	<0.050	0.050	09/14/2023	ND	2.04	102	2.00	2.63	
Ethylbenzene*	<0.050	0.050	09/14/2023	ND	2.11	106	2.00	2.34	
Total Xylenes*	<0.150	0.150	09/14/2023	ND	5.73	95.5	6.00	1.17	
Total BTEX	<0.300	0.300	09/14/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	113	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	09/13/2023	ND	448	112	400	7.41	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/13/2023	ND	197	98.7	200	11.3	
DRO >C10-C28*	<10.0	10.0	09/13/2023	ND	210	105	200	2.35	
EXT DRO >C28-C36	<10.0	10.0	09/13/2023	ND					
Surrogate: 1-Chlorooctane	91.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	105	% 49.1-14	8						

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Analytical Results For:

ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 09/12/2023 Sampling Date: 09/12/2023

Reported: 09/14/2023 Sampling Type: Soil

Project Name: FEDERAL 12 - 1 H BATTERY Sampling Condition: Cool & Intact
Project Number: 03B1417098 Sample Received By: Shalyn Rodriguez

Analyzed By: MS

Project Location: EDDY COUNTY

mg/kg

Sample ID: FS - 25 3' (H234928-25)

BTEX 8021B

	<u> </u>								
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/14/2023	ND	1.95	97.6	2.00	2.29	
Toluene*	<0.050	0.050	09/14/2023	ND	2.04	102	2.00	2.63	
Ethylbenzene*	<0.050	0.050	09/14/2023	ND	2.11	106	2.00	2.34	
Total Xylenes*	<0.150	0.150	09/14/2023	ND	5.73	95.5	6.00	1.17	
Total BTEX	<0.300	0.300	09/14/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	113	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	09/13/2023	ND	448	112	400	7.41	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/13/2023	ND	197	98.7	200	11.3	
DRO >C10-C28*	<10.0	10.0	09/13/2023	ND	210	105	200	2.35	
EXT DRO >C28-C36	<10.0	10.0	09/13/2023	ND					
Surrogate: 1-Chlorooctane	88.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	101	% 49.1-14	8						

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09/12/2023

Soil

Analytical Results For:

ENSOLUM, LLC **BEAUX JENNINGS** 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 09/12/2023 Sampling Date: Reported: 09/14/2023 Sampling Type:

Project Name: FEDERAL 12 - 1 H BATTERY Sampling Condition: Cool & Intact Sample Received By: Project Number: 03B1417098 Shalyn Rodriguez

Project Location: **EDDY COUNTY**

Sample ID: FS - 26 3' (H234928-26)

BTEX 8021B	mg/	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/13/2023	ND	2.02	101	2.00	2.03	
Toluene*	<0.050	0.050	09/13/2023	ND	2.04	102	2.00	2.65	
Ethylbenzene*	<0.050	0.050	09/13/2023	ND	1.97	98.5	2.00	2.76	
Total Xylenes*	<0.150	0.150	09/13/2023	ND	5.92	98.7	6.00	2.87	
Total BTEX	<0.300	0.300	09/13/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	09/13/2023	ND	448	112	400	7.41	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/13/2023	ND	197	98.7	200	11.3	
DRO >C10-C28*	<10.0	10.0	09/13/2023	ND	210	105	200	2.35	
EXT DRO >C28-C36	<10.0	10.0	09/13/2023	ND					
Surrogate: 1-Chlorooctane	88.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	102 5	% 49.1-14	8						

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Celey D. Keene



09/12/2023

Soil

Analytical Results For:

ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 09/12/2023 Sampling Date:
Reported: 09/14/2023 Sampling Type:

Project Name: FEDERAL 12 - 1 H BATTERY Sampling Condition: Cool & Intact
Project Number: 03B1417098 Sample Received By: Shalyn Rodriguez

Project Location: EDDY COUNTY

Sample ID: FS - 27 3' (H234928-27)

BTEX 8021B	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/13/2023	ND	2.02	101	2.00	2.03	
Toluene*	<0.050	0.050	09/13/2023	ND	2.04	102	2.00	2.65	
Ethylbenzene*	< 0.050	0.050	09/13/2023	ND	1.97	98.5	2.00	2.76	
Total Xylenes*	<0.150	0.150	09/13/2023	ND	5.92	98.7	6.00	2.87	
Total BTEX	<0.300	0.300	09/13/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	09/13/2023	ND	448	112	400	7.41	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/13/2023	ND	197	98.7	200	11.3	
DRO >C10-C28*	<10.0	10.0	09/13/2023	ND	210	105	200	2.35	
EXT DRO >C28-C36	<10.0	10.0	09/13/2023	ND					
Surrogate: 1-Chlorooctane	92.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	109	% 49.1-14	8						

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09/12/2023

Soil

Analytical Results For:

ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 09/12/2023 Sampling Date:

Reported: 09/14/2023 Sampling Type:

Project Name: FEDERAL 12 - 1 H BATTERY Sampling Condition: Cool & Intact
Project Number: 03B1417098 Sample Received By: Shalyn Rodriguez

Project Location: EDDY COUNTY

Sample ID: FS - 28 3' (H234928-28)

BTEX 8021B	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/13/2023	ND	2.02	101	2.00	2.03	
Toluene*	<0.050	0.050	09/13/2023	ND	2.04	102	2.00	2.65	
Ethylbenzene*	<0.050	0.050	09/13/2023	ND	1.97	98.5	2.00	2.76	
Total Xylenes*	<0.150	0.150	09/13/2023	ND	5.92	98.7	6.00	2.87	
Total BTEX	<0.300	0.300	09/13/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	09/13/2023	ND	448	112	400	7.41	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/13/2023	ND	197	98.7	200	11.3	
DRO >C10-C28*	<10.0	10.0	09/13/2023	ND	210	105	200	2.35	
EXT DRO >C28-C36	<10.0	10.0	09/13/2023	ND					
Surrogate: 1-Chlorooctane	83.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	96.5	% 49.1-14	8						

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Analytical Results For:

ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 09/12/2023 Reported: 09/14/2023

FEDERAL 12 - 1 H BATTERY

ma/ka

Project Name: FEDERAL 12 Project Number: 03B1417098

Project Location: EDDY COUNTY

Sampling Date: 09/12/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: FS - 29 3' (H234928-29)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	а ву: м5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/13/2023	ND	2.02	101	2.00	2.03	
Toluene*	<0.050	0.050	09/13/2023	ND	2.04	102	2.00	2.65	
Ethylbenzene*	<0.050	0.050	09/13/2023	ND	1.97	98.5	2.00	2.76	
Total Xylenes*	<0.150	0.150	09/13/2023	ND	5.92	98.7	6.00	2.87	
Total BTEX	<0.300	0.300	09/13/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	09/13/2023	ND	448	112	400	7.41	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/13/2023	ND	197	98.7	200	11.3	
DRO >C10-C28*	<10.0	10.0	09/13/2023	ND	210	105	200	2.35	
EXT DRO >C28-C36	<10.0	10.0	09/13/2023	ND					
Surrogate: 1-Chlorooctane	94.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	108	% 49.1-14	8						

Applyzod By: MC

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Analytical Results For:

ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 09/12/2023 Sampling Date: 09/12/2023

Reported: 09/14/2023 Sampling Type: Soil

Project Name: FEDERAL 12 - 1 H BATTERY Sampling Condition: Cool & Intact
Project Number: 03B1417098 Sample Received By: Shalyn Rodriguez

Applyzod By: MC

Project Location: EDDY COUNTY

ma/ka

Sample ID: FS - 30 3' (H234928-30)

RTFY 8021R

B1EX 8021B	mg	/ kg	Anaiyze	а ву: м5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/13/2023	ND	2.02	101	2.00	2.03	
Toluene*	<0.050	0.050	09/13/2023	ND	2.04	102	2.00	2.65	
Ethylbenzene*	<0.050	0.050	09/13/2023	ND	1.97	98.5	2.00	2.76	
Total Xylenes*	<0.150	0.150	09/13/2023	ND	5.92	98.7	6.00	2.87	
Total BTEX	<0.300	0.300	09/13/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	09/13/2023	ND	448	112	400	7.41	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/13/2023	ND	197	98.7	200	11.3	
DRO >C10-C28*	<10.0	10.0	09/13/2023	ND	210	105	200	2.35	
EXT DRO >C28-C36	<10.0	10.0	09/13/2023	ND					
Surrogate: 1-Chlorooctane	89.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	103	% 49.1-14	8						

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Analytical Results For:

ENSOLUM, LLC **BEAUX JENNINGS** 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 09/12/2023 Sampling Date: 09/12/2023

Reported: 09/14/2023 Sampling Type: Soil

Project Name: FEDERAL 12 - 1 H BATTERY Sampling Condition: Cool & Intact Sample Received By: Project Number: 03B1417098 Shalyn Rodriguez

Project Location: **EDDY COUNTY**

Sample ID: FS - 31 3' (H234928-31)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/13/2023	ND	2.02	101	2.00	2.03	
Toluene*	<0.050	0.050	09/13/2023	ND	2.04	102	2.00	2.65	
Ethylbenzene*	<0.050	0.050	09/13/2023	ND	1.97	98.5	2.00	2.76	
Total Xylenes*	<0.150	0.150	09/13/2023	ND	5.92	98.7	6.00	2.87	
Total BTEX	<0.300	0.300	09/13/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 9	71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	09/13/2023	ND	448	112	400	7.41	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/13/2023	ND	197	98.7	200	11.3	
DRO >C10-C28*	<10.0	10.0	09/13/2023	ND	210	105	200	2.35	
EXT DRO >C28-C36	<10.0	10.0	09/13/2023	ND					
Surrogate: 1-Chlorooctane	89.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	106 9	% 49.1-14	8						

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Analytical Results For:

ENSOLUM, LLC **BEAUX JENNINGS** 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 09/12/2023 Sampling Date: 09/12/2023

Reported: 09/14/2023 Sampling Type: Soil

Project Name: FEDERAL 12 - 1 H BATTERY Sampling Condition: Cool & Intact Sample Received By: Project Number: 03B1417098 Shalyn Rodriguez

Project Location: **EDDY COUNTY**

Sample ID: FS - 32 3' (H234928-32)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/13/2023	ND	2.02	101	2.00	2.03	
Toluene*	<0.050	0.050	09/13/2023	ND	2.04	102	2.00	2.65	
Ethylbenzene*	<0.050	0.050	09/13/2023	ND	1.97	98.5	2.00	2.76	
Total Xylenes*	<0.150	0.150	09/13/2023	ND	5.92	98.7	6.00	2.87	
Total BTEX	<0.300	0.300	09/13/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	106 %	71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	09/13/2023	ND	448	112	400	7.41	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/13/2023	ND	197	98.7	200	11.3	
DRO >C10-C28*	<10.0	10.0	09/13/2023	ND	210	105	200	2.35	
EXT DRO >C28-C36	<10.0	10.0	09/13/2023	ND					
Surrogate: 1-Chlorooctane	90.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	103 9	% 49.1-14	8						

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09/12/2023

Analytical Results For:

ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 09/12/2023 Sampling Date:

Reported: 09/14/2023 Sampling Type: Soil

Project Name: FEDERAL 12 - 1 H BATTERY Sampling Condition: Cool & Intact
Project Number: 03B1417098 Sample Received By: Shalyn Rodriguez

Analyzed By: MC

Project Location: EDDY COUNTY

ma/ka

Sample ID: FS - 33 3' (H234928-33)

RTFY 8021R

B1EX 8021B	mg/	кд	Anaiyze	а ву: мѕ					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/13/2023	ND	2.02	101	2.00	2.03	
Toluene*	<0.050	0.050	09/13/2023	ND	2.04	102	2.00	2.65	
Ethylbenzene*	<0.050	0.050	09/13/2023	ND	1.97	98.5	2.00	2.76	
Total Xylenes*	<0.150	0.150	09/13/2023	ND	5.92	98.7	6.00	2.87	
Total BTEX	<0.300	0.300	09/13/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	109 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	09/13/2023	ND	448	112	400	7.41	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/13/2023	ND	197	98.7	200	11.3	
DRO >C10-C28*	<10.0	10.0	09/13/2023	ND	210	105	200	2.35	
EXT DRO >C28-C36	<10.0	10.0	09/13/2023	ND					
Surrogate: 1-Chlorooctane	90.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	106	% 49.1-14	8						

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Analytical Results For:

ENSOLUM, LLC **BEAUX JENNINGS** 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 09/12/2023 Sampling Date: 09/12/2023

Reported: 09/14/2023 Sampling Type: Soil

Project Name: FEDERAL 12 - 1 H BATTERY Sampling Condition: Cool & Intact Sample Received By: Project Number: 03B1417098 Shalyn Rodriguez

Project Location: **EDDY COUNTY**

Sample ID: FS - 34 3' (H234928-34)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/13/2023	ND	2.02	101	2.00	2.03	
Toluene*	<0.050	0.050	09/13/2023	ND	2.04	102	2.00	2.65	
Ethylbenzene*	<0.050	0.050	09/13/2023	ND	1.97	98.5	2.00	2.76	
Total Xylenes*	<0.150	0.150	09/13/2023	ND	5.92	98.7	6.00	2.87	
Total BTEX	<0.300	0.300	09/13/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	09/13/2023	ND	448	112	400	7.41	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/13/2023	ND	197	98.7	200	11.3	
DRO >C10-C28*	<10.0	10.0	09/13/2023	ND	210	105	200	2.35	
EXT DRO >C28-C36	<10.0	10.0	09/13/2023	ND					
Surrogate: 1-Chlorooctane	85.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	96.8	% 49.1-14	8						

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Celey D. Keene



09/12/2023

Soil

Analytical Results For:

ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 09/12/2023 Sampling Date: Reported: 09/14/2023 Sampling Type:

Project Name: FEDERAL 12 - 1 H BATTERY Sampling Condition: Cool & Intact
Project Number: 03B1417098 Sample Received By: Shalyn Rodriguez

Project Location: EDDY COUNTY

Sample ID: FS - 35 3' (H234928-35)

BTEX 8021B	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/13/2023	ND	2.02	101	2.00	2.03	
Toluene*	<0.050	0.050	09/13/2023	ND	2.04	102	2.00	2.65	
Ethylbenzene*	<0.050	0.050	09/13/2023	ND	1.97	98.5	2.00	2.76	
Total Xylenes*	<0.150	0.150	09/13/2023	ND	5.92	98.7	6.00	2.87	
Total BTEX	<0.300	0.300	09/13/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	09/13/2023	ND	448	112	400	7.41	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/13/2023	ND	197	98.7	200	11.3	
DRO >C10-C28*	<10.0	10.0	09/13/2023	ND	210	105	200	2.35	
EXT DRO >C28-C36	<10.0	10.0	09/13/2023	ND					
Surrogate: 1-Chlorooctane	91.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	105	% 49.1-14	8						

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Analytical Results For:

ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 09/12/2023 Reported: 09/14/2023

Project Name: FEDERAL 12 - 1 H BATTERY Sampling Condition:
Project Number: 03B1417098 Sample Received By:

Project Location: EDDY COUNTY

Sampling Date: 09/12/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: FS - 36 3' (H234928-36)

BTEX 8021B	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/13/2023	ND	2.02	101	2.00	2.03	
Toluene*	<0.050	0.050	09/13/2023	ND	2.04	102	2.00	2.65	
Ethylbenzene*	<0.050	0.050	09/13/2023	ND	1.97	98.5	2.00	2.76	
Total Xylenes*	<0.150	0.150	09/13/2023	ND	5.92	98.7	6.00	2.87	
Total BTEX	<0.300	0.300	09/13/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	09/13/2023	ND	448	112	400	7.41	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/14/2023	ND	197	98.7	200	11.3	
DRO >C10-C28*	<10.0	10.0	09/14/2023	ND	210	105	200	2.35	
EXT DRO >C28-C36	<10.0	10.0	09/14/2023	ND					
Surrogate: 1-Chlorooctane	89.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	105	% 49.1-14	8						

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Analytical Results For:

ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 09/12/2023 Sampling Date: 09/12/2023

Reported: 09/14/2023 Sampling Type: Soil

Project Name: FEDERAL 12 - 1 H BATTERY Sampling Condition: Cool & Intact
Project Number: 03B1417098 Sample Received By: Shalyn Rodriguez

Analyzed By: MS

Project Location: EDDY COUNTY

mg/kg

Sample ID: FS - 37 3' (H234928-37)

BTEX 8021B

	<u> </u>								
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/13/2023	ND	2.02	101	2.00	2.03	
Toluene*	<0.050	0.050	09/13/2023	ND	2.04	102	2.00	2.65	
Ethylbenzene*	<0.050	0.050	09/13/2023	ND	1.97	98.5	2.00	2.76	
Total Xylenes*	<0.150	0.150	09/13/2023	ND	5.92	98.7	6.00	2.87	
Total BTEX	<0.300	0.300	09/13/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	09/13/2023	ND	448	112	400	7.41	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/14/2023	ND	197	98.7	200	11.3	
DRO >C10-C28*	<10.0	10.0	09/14/2023	ND	210	105	200	2.35	
EXT DRO >C28-C36	<10.0	10.0	09/14/2023	ND					
Surrogate: 1-Chlorooctane	82.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	93.5	% 49.1-14	8						

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Analytical Results For:

ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 09/12/2023 Reported: 09/14/2023

FEDERAL 12 - 1 H BATTERY

Project Name: FEDERAL 12 - 1
Project Number: 03B1417098
Project Location: EDDY COUNTY

Sampling Date: 09/12/2023 Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: FS - 38 3' (H234928-38)

BTEX 8021B	mg,	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/13/2023	ND	2.02	101	2.00	2.03	
Toluene*	<0.050	0.050	09/13/2023	ND	2.04	102	2.00	2.65	
Ethylbenzene*	<0.050	0.050	09/13/2023	ND	1.97	98.5	2.00	2.76	
Total Xylenes*	<0.150	0.150	09/13/2023	ND	5.92	98.7	6.00	2.87	
Total BTEX	<0.300	0.300	09/13/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	09/13/2023	ND	448	112	400	7.41	
TPH 8015M	mg,	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/13/2023	ND	192	96.1	200	6.49	
DRO >C10-C28*	<10.0	10.0	09/13/2023	ND	191	95.7	200	4.34	
EXT DRO >C28-C36	<10.0	10.0	09/13/2023	ND					
Surrogate: 1-Chlorooctane	88.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	98.8	% 49.1-14	8						

Surrogate: 1-Chlorooctadecane 98.8 % 49.1-148

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Analytical Results For:

ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 09/12/2023 Sampling Date: 09/12/2023
Reported: 09/14/2023 Sampling Type: Soil

Project Name: FEDERAL 12 - 1 H BATTERY Sampling Condition: Cool & Intact
Project Number: 03B1417098 Sample Received By: Shalyn Rodriguez

Project Location: EDDY COUNTY

Sample ID: FS - 39 3' (H234928-39)

BTEX 8021B	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/13/2023	ND	2.02	101	2.00	2.03	
Toluene*	<0.050	0.050	09/13/2023	ND	2.04	102	2.00	2.65	
Ethylbenzene*	<0.050	0.050	09/13/2023	ND	1.97	98.5	2.00	2.76	
Total Xylenes*	<0.150	0.150	09/13/2023	ND	5.92	98.7	6.00	2.87	
Total BTEX	<0.300	0.300	09/13/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	09/13/2023	ND	448	112	400	7.41	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/13/2023	ND	192	96.1	200	6.49	
DRO >C10-C28*	<10.0	10.0	09/13/2023	ND	191	95.7	200	4.34	
EXT DRO >C28-C36	<10.0	10.0	09/13/2023	ND					
Surrogate: 1-Chlorooctane	87.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	98.3	% 49.1-14	8						

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Analytical Results For:

ENSOLUM, LLC **BEAUX JENNINGS** 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 09/12/2023 Reported: 09/14/2023

Project Name: FEDERAL 12 - 1 H BATTERY

Project Number: 03B1417098 Project Location: **EDDY COUNTY** Sampling Date: 09/12/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Shalyn Rodriguez

Sample ID: FS - 40 3' (H234928-40)

BTEX 8021B	mg/	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/13/2023	ND	2.02	101	2.00	2.03	
Toluene*	<0.050	0.050	09/13/2023	ND	2.04	102	2.00	2.65	
Ethylbenzene*	<0.050	0.050	09/13/2023	ND	1.97	98.5	2.00	2.76	
Total Xylenes*	<0.150	0.150	09/13/2023	ND	5.92	98.7	6.00	2.87	
Total BTEX	<0.300	0.300	09/13/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	09/13/2023	ND	448	112	400	7.41	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/13/2023	ND	192	96.1	200	6.49	
DRO >C10-C28*	<10.0	10.0	09/13/2023	ND	191	95.7	200	4.34	
EXT DRO >C28-C36	<10.0	10.0	09/13/2023	ND					
Surrogate: 1-Chlorooctane	90.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	102 9	% 49.1-14	8						

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Analytical Results For:

ENSOLUM, LLC **BEAUX JENNINGS** 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 09/12/2023 Sampling Date: 09/12/2023

Reported: 09/14/2023 Sampling Type: Soil

Project Name: FEDERAL 12 - 1 H BATTERY Sampling Condition: Cool & Intact Sample Received By: Project Number: 03B1417098 Shalyn Rodriguez

Project Location: **EDDY COUNTY**

Sample ID: FS - 41 3' (H234928-41)

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/13/2023	ND	1.79	89.5	2.00	4.44	
Toluene*	<0.050	0.050	09/13/2023	ND	1.85	92.5	2.00	3.55	
Ethylbenzene*	<0.050	0.050	09/13/2023	ND	1.84	92.0	2.00	4.07	
Total Xylenes*	<0.150	0.150	09/13/2023	ND	5.58	93.0	6.00	3.83	QM-07
Total BTEX	<0.300	0.300	09/13/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	116 %	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	09/13/2023	ND	448	112	400	7.41	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/13/2023	ND	192	96.1	200	6.49	
DRO >C10-C28*	<10.0	10.0	09/13/2023	ND	191	95.7	200	4.34	
EXT DRO >C28-C36	<10.0	10.0	09/13/2023	ND					
Surrogate: 1-Chlorooctane	96.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	108 9	% 49.1-14	8						

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Analytical Results For:

ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 09/12/2023 Sampling Date: 09/12/2023

Reported: 09/14/2023 Sampling Type: Soil

Project Name: FEDERAL 12 - 1 H BATTERY Sampling Condition: Cool & Intact
Project Number: 03B1417098 Sample Received By: Shalyn Rodriguez

Analyzed By: MS

Project Location: EDDY COUNTY

mg/kg

Sample ID: FS - 42 3' (H234928-42)

BTEX 8021B

	9,	9	7	7: : : :					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/13/2023	ND	1.79	89.5	2.00	4.44	
Toluene*	<0.050	0.050	09/13/2023	ND	1.85	92.5	2.00	3.55	
Ethylbenzene*	<0.050	0.050	09/13/2023	ND	1.84	92.0	2.00	4.07	
Total Xylenes*	<0.150	0.150	09/13/2023	ND	5.58	93.0	6.00	3.83	
Total BTEX	<0.300	0.300	09/13/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	117	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	09/13/2023	ND	448	112	400	7.41	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/13/2023	ND	192	96.1	200	6.49	
DRO >C10-C28*	<10.0	10.0	09/13/2023	ND	191	95.7	200	4.34	
EXT DRO >C28-C36	<10.0	10.0	09/13/2023	ND					
Surrogate: 1-Chlorooctane	95.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	107	% 49.1-14	8						

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Analytical Results For:

ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 09/12/2023 Sampling Date: 09/12/2023

Reported: 09/14/2023 Sampling Type: Soil

Project Name: FEDERAL 12 - 1 H BATTERY Sampling Condition: Cool & Intact
Project Number: 03B1417098 Sample Received By: Shalyn Rodriguez

Analyzed By: MS

Project Location: EDDY COUNTY

mg/kg

Sample ID: FS - 43 3' (H234928-43)

BTEX 8021B

	9,	9	7	7: : : :					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/13/2023	ND	1.79	89.5	2.00	4.44	
Toluene*	<0.050	0.050	09/13/2023	ND	1.85	92.5	2.00	3.55	
Ethylbenzene*	<0.050	0.050	09/13/2023	ND	1.84	92.0	2.00	4.07	
Total Xylenes*	<0.150	0.150	09/13/2023	ND	5.58	93.0	6.00	3.83	
Total BTEX	<0.300	0.300	09/13/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	114	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	09/14/2023	ND	432	108	400	3.64	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/13/2023	ND	192	96.1	200	6.49	
DRO >C10-C28*	<10.0	10.0	09/13/2023	ND	191	95.7	200	4.34	
EXT DRO >C28-C36	<10.0	10.0	09/13/2023	ND					
Surrogate: 1-Chlorooctane	101	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	113	% 49.1-14	8						

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Analytical Results For:

ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 09/12/2023 Sampling Date: 09/12/2023

Reported: 09/14/2023 Sampling Type: Soil

Project Name: FEDERAL 12 - 1 H BATTERY Sampling Condition: Cool & Intact
Project Number: 03B1417098 Sample Received By: Shalyn Rodriguez

Applyzod By: MC

Project Location: EDDY COUNTY

ma/ka

Sample ID: FS - 44 3' (H234928-44)

RTFY 8021R

B1EX 8021B	mg	/кд	Anaiyze	а ву: м5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/13/2023	ND	1.79	89.5	2.00	4.44	
Toluene*	<0.050	0.050	09/13/2023	ND	1.85	92.5	2.00	3.55	
Ethylbenzene*	<0.050	0.050	09/13/2023	ND	1.84	92.0	2.00	4.07	
Total Xylenes*	<0.150	0.150	09/13/2023	ND	5.58	93.0	6.00	3.83	
Total BTEX	<0.300	0.300	09/13/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	116	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	09/14/2023	ND	432	108	400	3.64	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/13/2023	ND	192	96.1	200	6.49	
DRO >C10-C28*	<10.0	10.0	09/13/2023	ND	191	95.7	200	4.34	
EXT DRO >C28-C36	<10.0	10.0	09/13/2023	ND					
Surrogate: 1-Chlorooctane	97.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	109	% 49.1-14	8						

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Celey D. Keene



Analytical Results For:

ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 09/12/2023 Sampling Date: 09/12/2023

Reported: 09/14/2023 Sampling Type: Soil

Project Name: FEDERAL 12 - 1 H BATTERY Sampling Condition: Cool & Intact
Project Number: 03B1417098 Sample Received By: Shalyn Rodriguez

Applyzod By: MC

Project Location: EDDY COUNTY

ma/ka

Sample ID: FS - 45 3' (H234928-45)

RTFY 8021R

B1EX 8021B	mg	/кд	Anaiyze	а ву: м5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/13/2023	ND	1.79	89.5	2.00	4.44	
Toluene*	<0.050	0.050	09/13/2023	ND	1.85	92.5	2.00	3.55	
Ethylbenzene*	<0.050	0.050	09/13/2023	ND	1.84	92.0	2.00	4.07	
Total Xylenes*	<0.150	0.150	09/13/2023	ND	5.58	93.0	6.00	3.83	
Total BTEX	<0.300	0.300	09/13/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	116	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	09/14/2023	ND	432	108	400	3.64	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/13/2023	ND	192	96.1	200	6.49	
DRO >C10-C28*	<10.0	10.0	09/13/2023	ND	191	95.7	200	4.34	
EXT DRO >C28-C36	<10.0	10.0	09/13/2023	ND					
Surrogate: 1-Chlorooctane	98.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	111	% 49.1-14	8						

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Analytical Results For:

ENSOLUM, LLC **BEAUX JENNINGS** 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 09/12/2023 Sampling Date: 09/12/2023

Reported: 09/14/2023 Sampling Type: Soil

Project Name: FEDERAL 12 - 1 H BATTERY Sampling Condition: Cool & Intact Sample Received By: Project Number: 03B1417098 Shalyn Rodriguez

Project Location: **EDDY COUNTY**

Sample ID: FS - 46 3' (H234928-46)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/13/2023	ND	1.79	89.5	2.00	4.44	
Toluene*	<0.050	0.050	09/13/2023	ND	1.85	92.5	2.00	3.55	
Ethylbenzene*	<0.050	0.050	09/13/2023	ND	1.84	92.0	2.00	4.07	
Total Xylenes*	<0.150	0.150	09/13/2023	ND	5.58	93.0	6.00	3.83	
Total BTEX	<0.300	0.300	09/13/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	115 9	6 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	09/14/2023	ND	432	108	400	3.64	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/13/2023	ND	192	96.1	200	6.49	
DRO >C10-C28*	<10.0	10.0	09/13/2023	ND	191	95.7	200	4.34	
EXT DRO >C28-C36	<10.0	10.0	09/13/2023	ND					
Surrogate: 1-Chlorooctane	94.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	105 9	% 49.1-14	8						

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Analytical Results For:

ENSOLUM, LLC **BEAUX JENNINGS** 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 09/12/2023 Sampling Date: 09/12/2023

Reported: 09/14/2023 Sampling Type: Soil

Project Name: FEDERAL 12 - 1 H BATTERY Sampling Condition: Cool & Intact Shalyn Rodriguez Project Number: 03B1417098 Sample Received By:

Project Location: **EDDY COUNTY**

Sample ID: FS - 47 3' (H234928-47)

BTEX 8021B	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/13/2023	ND	1.79	89.5	2.00	4.44	
Toluene*	<0.050	0.050	09/13/2023	ND	1.85	92.5	2.00	3.55	
Ethylbenzene*	<0.050	0.050	09/13/2023	ND	1.84	92.0	2.00	4.07	
Total Xylenes*	<0.150	0.150	09/13/2023	ND	5.58	93.0	6.00	3.83	
Total BTEX	<0.300	0.300	09/13/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	115 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	09/14/2023	ND	432	108	400	3.64	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/13/2023	ND	192	96.1	200	6.49	
DRO >C10-C28*	<10.0	10.0	09/13/2023	ND	191	95.7	200	4.34	
EXT DRO >C28-C36	<10.0	10.0	09/13/2023	ND					
Surrogate: 1-Chlorooctane	91.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	102 9	% 49.1-14	8						

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Analytical Results For:

ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 09/12/2023 Reported: 09/14/2023

FEDERAL 12 - 1 H BATTERY

ma/ka

Project Name: FEDERAL 12 - 1
Project Number: 03B1417098
Project Location: EDDY COUNTY

Sampling Date: 09/12/2023

Sampling Type: Soil Sampling Condition: Cool

Sample Received By:

Cool & Intact Shalyn Rodriguez

Sample ID: FS - 48 6' (H234928-48)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	а ву: м5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/13/2023	ND	1.79	89.5	2.00	4.44	
Toluene*	<0.050	0.050	09/13/2023	ND	1.85	92.5	2.00	3.55	
Ethylbenzene*	<0.050	0.050	09/13/2023	ND	1.84	92.0	2.00	4.07	
Total Xylenes*	<0.150	0.150	09/13/2023	ND	5.58	93.0	6.00	3.83	
Total BTEX	<0.300	0.300	09/13/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	116	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2200	16.0	09/14/2023	ND	432	108	400	3.64	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/13/2023	ND	192	96.1	200	6.49	
DRO >C10-C28*	<10.0	10.0	09/13/2023	ND	191	95.7	200	4.34	
EXT DRO >C28-C36	<10.0	10.0	09/13/2023	ND					
Surrogate: 1-Chlorooctane	77.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	85.6	% 49.1-14	8						

Applyzod By: MC

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Analytical Results For:

ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 09/12/2023 Sampling Date: 09/12/2023

Reported: 09/14/2023 Sampling Type: Soil

Project Name: FEDERAL 12 - 1 H BATTERY Sampling Condition: Cool & Intact
Project Number: 03B1417098 Sample Received By: Shalyn Rodriguez

Analyzed By: MS

Project Location: EDDY COUNTY

Sample ID: SW - 1 0-3' (H234928-49)

BTEX 8021B

	9,	9	7	7: : : :					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/13/2023	ND	1.79	89.5	2.00	4.44	
Toluene*	<0.050	0.050	09/13/2023	ND	1.85	92.5	2.00	3.55	
Ethylbenzene*	<0.050	0.050	09/13/2023	ND	1.84	92.0	2.00	4.07	
Total Xylenes*	<0.150	0.150	09/13/2023	ND	5.58	93.0	6.00	3.83	
Total BTEX	<0.300	0.300	09/13/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	115	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	464	16.0	09/14/2023	ND	432	108	400	3.64	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/13/2023	ND	192	96.1	200	6.49	
DRO >C10-C28*	<10.0	10.0	09/13/2023	ND	191	95.7	200	4.34	
EXT DRO >C28-C36	<10.0	10.0	09/13/2023	ND					
Surrogate: 1-Chlorooctane	91.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	98.4	% 49.1-14	8						

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Analytical Results For:

ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 09/12/2023 Sampling Date: 09/12/2023

Reported: 09/14/2023 Sampling Type: Soil

Project Name: FEDERAL 12 - 1 H BATTERY Sampling Condition: Cool & Intact
Project Number: 03B1417098 Sample Received By: Shalyn Rodriguez

Analyzed By: MS

Project Location: EDDY COUNTY

Sample ID: SW - 2 0-3' (H234928-50)

BTEX 8021B

DILX GOZID	ıııg,	, kg	Allulyzo	a by. 1-15					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/13/2023	ND	1.79	89.5	2.00	4.44	
Toluene*	<0.050	0.050	09/13/2023	ND	1.85	92.5	2.00	3.55	
Ethylbenzene*	<0.050	0.050	09/13/2023	ND	1.84	92.0	2.00	4.07	
Total Xylenes*	<0.150	0.150	09/13/2023	ND	5.58	93.0	6.00	3.83	
Total BTEX	<0.300	0.300	09/13/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	117	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	09/14/2023	ND	432	108	400	3.64	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/13/2023	ND	192	96.1	200	6.49	
DRO >C10-C28*	<10.0	10.0	09/13/2023	ND	191	95.7	200	4.34	
EXT DRO >C28-C36	<10.0	10.0	09/13/2023	ND					
Surrogate: 1-Chlorooctane	90.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	99.6	% 49.1-14	8						

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Analytical Results For:

ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 09/12/2023 Sampling Date: 09/12/2023

Reported: 09/14/2023 Sampling Type: Soil

Project Name: FEDERAL 12 - 1 H BATTERY Sampling Condition: Cool & Intact
Project Number: 03B1417098 Sample Received By: Shalyn Rodriguez

Applyzod By: MC

Project Location: EDDY COUNTY

Sample ID: SW - 3 0-3' (H234928-51)

RTFY 8021R

True Value QC 2.00 2.00 2.00 6.00	RPD 4.44 3.55 4.07 3.83	Qualifier
2.00 2.00	3.55 4.07	
2.00	4.07	
6.00	3.83	
True Value QC	RPD	Qualifier
400	3.64	
True Value QC	RPD	Qualifier
200	6.49	
200	4.34	
_	200	200 6.49

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Analytical Results For:

ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 09/12/2023 Reported: 09/14/2023

FEDERAL 12 - 1 H BATTERY

Project Name: FEDERAL 12 Project Number: 03B1417098

Project Location: EDDY COUNTY

Sampling Date: 09/12/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: SW - 4 0-3' (H234928-52)

RTFY 8021R

B1EX 8021B	mg/	кд	Anaiyze	a By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/13/2023	ND	1.79	89.5	2.00	4.44	
Toluene*	<0.050	0.050	09/13/2023	ND	1.85	92.5	2.00	3.55	
Ethylbenzene*	<0.050	0.050	09/13/2023	ND	1.84	92.0	2.00	4.07	
Total Xylenes*	<0.150	0.150	09/13/2023	ND	5.58	93.0	6.00	3.83	
Total BTEX	<0.300	0.300	09/13/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	117 9	71.5-13	4						
Chloride, SM4500CI-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	09/14/2023	ND	432	108	400	3.64	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/14/2023	ND	192	96.1	200	6.49	
DRO >C10-C28*	<10.0	10.0	09/14/2023	ND	191	95.7	200	4.34	
EXT DRO >C28-C36	<10.0	10.0	09/14/2023	ND					
Surrogate: 1-Chlorooctane	92.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	103 9	% 49.1-14	8						

Applyzod By: MC

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Analytical Results For:

ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 09/12/2023 Reported: 09/14/2023

09/14/2023 FEDERAL 12 - 1 H BATTERY

Project Name: FEDERAL 12 - :
Project Number: 03B1417098

Project Location: EDDY COUNTY

Sampling Date: 09/12/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: SW - 5 0-3' (H234928-53)

RTFY 8021R

B1EX 8021B	mg	/кд	Anaiyze	а ву: м5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/13/2023	ND	1.79	89.5	2.00	4.44	
Toluene*	<0.050	0.050	09/13/2023	ND	1.85	92.5	2.00	3.55	
Ethylbenzene*	<0.050	0.050	09/13/2023	ND	1.84	92.0	2.00	4.07	
Total Xylenes*	<0.150	0.150	09/13/2023	ND	5.58	93.0	6.00	3.83	
Total BTEX	<0.300	0.300	09/13/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	115	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	656	16.0	09/14/2023	ND	432	108	400	3.64	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/14/2023	ND	192	96.1	200	6.49	
DRO >C10-C28*	<10.0	10.0	09/14/2023	ND	191	95.7	200	4.34	
EXT DRO >C28-C36	<10.0	10.0	09/14/2023	ND					
Surrogate: 1-Chlorooctane	88.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	97.3	% 49.1-14	8						

Applyzod By: MC

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Analytical Results For:

ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 09/12/2023 Sampling Date: 09/12/2023

Reported: 09/14/2023 Sampling Type: Soil

Project Name: FEDERAL 12 - 1 H BATTERY Sampling Condition: Cool & Intact
Project Number: 03B1417098 Sample Received By: Shalyn Rodriguez

Analyzed By: MS

Project Location: EDDY COUNTY

Sample ID: SW - 6 0-3' (H234928-54)

BTEX 8021B

	9,	9	7	7: : : :					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/13/2023	ND	1.79	89.5	2.00	4.44	
Toluene*	<0.050	0.050	09/13/2023	ND	1.85	92.5	2.00	3.55	
Ethylbenzene*	<0.050	0.050	09/13/2023	ND	1.84	92.0	2.00	4.07	
Total Xylenes*	<0.150	0.150	09/13/2023	ND	5.58	93.0	6.00	3.83	
Total BTEX	<0.300	0.300	09/13/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	115	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	09/14/2023	ND	432	108	400	3.64	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/14/2023	ND	192	96.1	200	6.49	
DRO >C10-C28*	<10.0	10.0	09/14/2023	ND	191	95.7	200	4.34	
EXT DRO >C28-C36	<10.0	10.0	09/14/2023	ND					
Surrogate: 1-Chlorooctane	91.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	102	% 49.1-14	8						

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Analytical Results For:

ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 09/12/2023 Sampling Date: 09/12/2023

Reported: 09/14/2023 Sampling Type: Soil

Project Name: FEDERAL 12 - 1 H BATTERY Sampling Condition: Cool & Intact
Project Number: 03B1417098 Sample Received By: Shalyn Rodriguez

Applyzod By: MC

Project Location: EDDY COUNTY

Sample ID: SW - 7 0-3' (H234928-55)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	а ву: м5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/13/2023	ND	1.79	89.5	2.00	4.44	
Toluene*	<0.050	0.050	09/13/2023	ND	1.85	92.5	2.00	3.55	
Ethylbenzene*	<0.050	0.050	09/13/2023	ND	1.84	92.0	2.00	4.07	
Total Xylenes*	<0.150	0.150	09/13/2023	ND	5.58	93.0	6.00	3.83	
Total BTEX	<0.300	0.300	09/13/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	115	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	09/14/2023	ND	432	108	400	3.64	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/14/2023	ND	192	96.1	200	6.49	
DRO >C10-C28*	<10.0	10.0	09/14/2023	ND	191	95.7	200	4.34	
EXT DRO >C28-C36	<10.0	10.0	09/14/2023	ND					
Surrogate: 1-Chlorooctane	92.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	103	% 49.1-14	8						

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Analytical Results For:

ENSOLUM, LLC **BEAUX JENNINGS** 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 09/12/2023 Sampling Date: 09/12/2023

Reported: 09/14/2023 Sampling Type: Soil

Project Name: FEDERAL 12 - 1 H BATTERY Sampling Condition: Cool & Intact Sample Received By: Project Number: 03B1417098 Shalyn Rodriguez

Project Location: **EDDY COUNTY**

Sample ID: SW - 8 0-3' (H234928-56)

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/13/2023	ND	1.79	89.5	2.00	4.44	
Toluene*	<0.050	0.050	09/13/2023	ND	1.85	92.5	2.00	3.55	
Ethylbenzene*	<0.050	0.050	09/13/2023	ND	1.84	92.0	2.00	4.07	
Total Xylenes*	<0.150	0.150	09/13/2023	ND	5.58	93.0	6.00	3.83	
Total BTEX	<0.300	0.300	09/13/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	116 %	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	09/14/2023	ND	432	108	400	3.64	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/14/2023	ND	192	96.1	200	6.49	
DRO >C10-C28*	<10.0	10.0	09/14/2023	ND	191	95.7	200	4.34	
EXT DRO >C28-C36	<10.0	10.0	09/14/2023	ND					
Surrogate: 1-Chlorooctane	95.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	106 9	% 49.1-14	8						

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Analytical Results For:

ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 09/12/2023 Sampling Date: 09/12/2023

Reported: 09/14/2023 Sampling Type: Soil

Project Name: FEDERAL 12 - 1 H BATTERY Sampling Condition: Cool & Intact
Project Number: 03B1417098 Sample Received By: Shalyn Rodriguez

Applyzod By: MC

Project Location: EDDY COUNTY

Sample ID: SW - 9 0-6' (H234928-57)

RTFY 8021R

B1EX 8021B	mg	/кд	Anaiyze	а ву: м5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/13/2023	ND	1.79	89.5	2.00	4.44	
Toluene*	<0.050	0.050	09/13/2023	ND	1.85	92.5	2.00	3.55	
Ethylbenzene*	<0.050	0.050	09/13/2023	ND	1.84	92.0	2.00	4.07	
Total Xylenes*	<0.150	0.150	09/13/2023	ND	5.58	93.0	6.00	3.83	
Total BTEX	<0.300	0.300	09/13/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	116	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	09/14/2023	ND	432	108	400	3.64	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/14/2023	ND	192	96.1	200	6.49	
DRO >C10-C28*	<10.0	10.0	09/14/2023	ND	191	95.7	200	4.34	
EXT DRO >C28-C36	<10.0	10.0	09/14/2023	ND					
Surrogate: 1-Chlorooctane	88.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	96.7	% 49.1-14	8						

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Analytical Results For:

ENSOLUM, LLC **BEAUX JENNINGS** 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 09/12/2023 Reported: 09/14/2023

Project Name: FEDERAL 12 - 1 H BATTERY Project Number: 03B1417098

Project Location: **EDDY COUNTY** Sampling Date: 09/12/2023

Sampling Type:

Sampling Condition: Cool & Intact Sample Received By:

Shalyn Rodriguez

Soil

Sample ID: SW - 10 0-6' (H234928-58)

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/13/2023	ND	1.79	89.5	2.00	4.44	
Toluene*	<0.050	0.050	09/13/2023	ND	1.85	92.5	2.00	3.55	
Ethylbenzene*	<0.050	0.050	09/13/2023	ND	1.84	92.0	2.00	4.07	
Total Xylenes*	<0.150	0.150	09/13/2023	ND	5.58	93.0	6.00	3.83	
Total BTEX	<0.300	0.300	09/13/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	113 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	09/14/2023	ND	432	108	400	3.64	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/13/2023	ND	197	98.6	200	3.33	
DRO >C10-C28*	<10.0	10.0	09/13/2023	ND	203	101	200	0.419	
EXT DRO >C28-C36	<10.0	10.0	09/13/2023	ND					
Surrogate: 1-Chlorooctane	84.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	86.4	% 49.1-14	8						

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Analytical Results For:

ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 09/12/2023 Sampling Date: 09/12/2023

Reported: 09/14/2023 Sampling Type: Soil

Project Name: FEDERAL 12 - 1 H BATTERY Sampling Condition: Cool & Intact
Project Number: 03B1417098 Sample Received By: Shalyn Rodriguez

Analyzed By: MS

Project Location: EDDY COUNTY

Sample ID: SW - 11 0-3' (H234928-59)

BTEX 8021B

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/13/2023	ND	1.79	89.5	2.00	4.44	
Toluene*	<0.050	0.050	09/13/2023	ND	1.85	92.5	2.00	3.55	
Ethylbenzene*	<0.050	0.050	09/13/2023	ND	1.84	92.0	2.00	4.07	
Total Xylenes*	<0.150	0.150	09/13/2023	ND	5.58	93.0	6.00	3.83	
Total BTEX	<0.300	0.300	09/13/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	114	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	09/14/2023	ND	432	108	400	3.64	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/13/2023	ND	197	98.6	200	3.33	
DRO >C10-C28*	<10.0	10.0	09/13/2023	ND	203	101	200	0.419	
EXT DRO >C28-C36	<10.0	10.0	09/13/2023	ND					
Surrogate: 1-Chlorooctane	81.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	85.4	% 49.1-14	8						

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Analytical Results For:

ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 09/12/2023 Sampling Date: 09/12/2023

Reported: 09/14/2023 Sampling Type: Soil

Project Name: FEDERAL 12 - 1 H BATTERY Sampling Condition: Cool & Intact
Project Number: 03B1417098 Sample Received By: Shalyn Rodriguez

Applyzod By: MC

Project Location: EDDY COUNTY

Sample ID: SW - 12 0-3' (H234928-60)

RTFY 8021R

B1EX 8021B	mg	/кд	Anaiyze	а ву: м5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/13/2023	ND	1.79	89.5	2.00	4.44	
Toluene*	<0.050	0.050	09/13/2023	ND	1.85	92.5	2.00	3.55	
Ethylbenzene*	<0.050	0.050	09/13/2023	ND	1.84	92.0	2.00	4.07	
Total Xylenes*	<0.150	0.150	09/13/2023	ND	5.58	93.0	6.00	3.83	
Total BTEX	<0.300	0.300	09/13/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	116	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	09/14/2023	ND	432	108	400	3.64	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/13/2023	ND	197	98.6	200	3.33	
DRO >C10-C28*	<10.0	10.0	09/13/2023	ND	203	101	200	0.419	
EXT DRO >C28-C36	<10.0	10.0	09/13/2023	ND					
Surrogate: 1-Chlorooctane	86.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	89.3	% 49.1-14	8						

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Notes and Definitions

QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS

recovery.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

** Samples not received at proper temperature of 6°C or below.

*** Insufficient time to reach temperature.

- Chloride by SM4500Cl-B does not require samples be received at or below 6°C

Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene



	(575) 393-2326 FAX (5/5) 393-24/6	AX (575) 393-24	/6				NIECT
Company Name:	Ensolum, LLC			BILL TO		ANALYSIS KEW	אבעטבטו
Project Manager:	Beaux 1	Samuras		P.O. #:			
Address: 601 N	St. STE	400		Company:			
City: Midland		State: TX	Zip: 79701	Attn:			
Phone #: 210	8288-612	Fax #:		Address:			
Project #: 07 6	850LH1	Project Owner:		City:			
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Project Location:	ENDY CO	444		Phone #:	20		
Sampler Name:	TN6/100/2	40		Fax #:	b	-74	
FOR LAB USE ONLY			MATRIX	PRESERV,	013	-	
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CARDINAL Laboratories 101 East Marland, Hobbs, NM 88240

01 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476

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Address: 601	601 N. Marienfeld St. STE 400	400								0	9	큥	Company:		Oxy USA, Inc	5	- 1																_					
City: Midland		State: TX	Zip:	9	79	79701				>	Attn:		8	ade	Wade Dittrich								_										_					
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101 East Marland, Hobbs, NM 88240

(575) 393-2326	575) 393-2326 FAX (575) 393-2476		ANALYSIS REQUEST
ompany Name: Ensolum, LLC		BILL TO	
Brank Se	Apply S	P.O. #:	
. Marienfeld St.	STE 400	Company:	
ity: Midland	State: TX Zip: 79701	Attn:	
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ampler Name: No/ NICV/	240	L	21
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PLEASE NOTE: Liability and Damages, Cardinal's liability or analyses. All claims including those for negligence and any service. In no event shall Cardinal be liable for incidental or	PLEASE NOTE: Lability and Damages. Cardinal's lability and client's exclusive remach (to any cardinal mareing wretter used or received by Cardinal within 30 days after completion of the applicable ranalyses. All claims including those for nepligence and any other cause whethereners that be deemed waived urbest made in whiting and received by Cardinal within 30 days after completion of the applicable ranalyses. All claims including those for nepligence and any other cause whethereners and only in whiting and received by Cardinal within 30 days after completion of the applicable ranalyses. The applicable ranalyses are caused in the property of the	n writing and received by Cardinal within 30 days after grouplons, loss of use, or loss of profits incurred by depropriate in the shows stated received to the shows stated and the shows stated to the shows stated	pplicable
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(575) 393-2326	FAX (575) 393-2476	76			
Company Name: Ensolum, LLC			BILL TO		ANALYSIS KEWUESI
Project Manager: Really)	Shyrung		P.O. #:		
Address: 601 N. Marienfeld St. ST	STE 400		Company:		
City: Midland	State: TX	Zip: 79701	Attn:		
Phone #: 2/0-2/9-88	Fax#:		Address:		
Project #: 97 8 14950	Project Owner:		City:		
me	-14 hoster		State: Zip:		0
on: Eddy C	WN hours		Phone #:	2	50
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efficience or successors arising out of or related to the performation of the performa	Date: R	eceive		Verbal Result: Yes All Results are emailed.	s 🗍 No Add'I Phone #: . Please provide Email address:
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nalyses. All claims incluservice. In no event shall influences are	LEASE RVI ET. Learning and bearing and any other cause whatsoever shall be deemed walved unless made in witing and received by Cardinal within 30 days after completion of the applicable analyses. All claims including those for negligence and any other cause whatsoever shall be deemed walved in whites interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, service, in no event shall Cardinal be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, service in no event shall Cardinal by the liable for incidental or consequents and the profit of the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.	or cause whatsoever shall be deemed walved unless made in writing and received by Cardinal within 30 days after sequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by dis ce of services hereunder by Cardinal, regardless of whether such dains is based upon any of the above stated sea	deeme withou ardinal	t limit	ed un ation.	busin	nade ess in hethe	terrup terrup	ting an	loss is b	of us	e, or l	ardin oss o	al with	hin 30 days after o fits incurred by clies above stated reaso	ompletion of the nt, its subsidiarie ons or otherwise	pplicab	°		N N		Add'i Dhone#:	D	3	12		1			1			1			_	
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September 25, 2023

BEAUX JENNINGS

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: FEDERAL 12 - 1 H BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 09/19/23 14:21.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/ga/lab accred certif.html.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2 Haloacetic Acids (HAA-5)
Method EPA 524.2 Total Trihalomethanes (TTHM)
Method EPA 524.4 Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

Celey D. Keene

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 09/19/2023 Reported: 09/25/2023

Project Name: FEDERAL 12 - 1 H BATTERY

Project Number: 03B1417058

Project Location: OXY - EDDY COUNTY

Sampling Date: 09/19/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Dionica Hinojos

Sample ID: SW - 5 0'-3' (H235081-01)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	09/25/2023	ND	416	104	400	0.00	

Sample ID: DS - 1 0'-0.25' (H235081-02)

BTEX 8021B	mg,	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/20/2023	ND	2.17	109	2.00	3.50	
Toluene*	<0.050	0.050	09/20/2023	ND	2.15	108	2.00	2.55	
Ethylbenzene*	<0.050	0.050	09/20/2023	ND	2.30	115	2.00	3.54	
Total Xylenes*	<0.150	0.150	09/20/2023	ND	6.85	114	6.00	2.15	
Total BTEX	<0.300	0.300	09/20/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID 110 % 71.5-134

110	% /1.3-13	7						
mg	/kg	Analyze	d By: AC					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
48.0	16.0	09/25/2023	ND	416	104	400	0.00	
mg	/kg	Analyze	d By: MS					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<10.0	10.0	09/20/2023	ND	201	101	200	1.21	
<10.0	10.0	09/20/2023	ND	204	102	200	0.717	
<10.0	10.0	09/20/2023	ND					
	Result 48.0 mg Result <10.0 <10.0	mg/kg Result Reporting Limit 48.0 16.0 mg/kg Result Reporting Limit <10.0 10.0 <10.0 10.0	mg/kg Analyzed Result Reporting Limit Analyzed 48.0 16.0 09/25/2023 mg/kg Analyzed Result Reporting Limit Analyzed <10.0 10.0 09/20/2023 <10.0 09/20/2023 09/20/2023	mg/s Analyzed Method Blank Result 48.0 16.0 09/25/2023 ND mg/s Analyzed By: MS Result Reporting Limit Analyzed (10.0) Method Blank <10.0	mg/ky Analyzed By: AC Result Reporting Limit Analyzed Method Blank BS 48.0 16.0 09/25/2023 ND 416 mg/ky Analyzed By: MS Result Reporting Limit Analyzed Method Blank BS <10.0	mg/kg Analyzed By: AC Result Reporting Limit Analyzed Method Blank BS % Recovery 48.0 16.0 09/25/2023 ND 416 104 mg/kg Analyzed By: MS Result Reporting Limit Analyzed Method Blank BS % Recovery <10.0	mg / w Analyzed By: AC Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC 48.0 16.0 09/25/2023 ND 416 104 400 mg / w Analyzed BS % Recovery True Value QC <10.0	mg/kg Analyzed By: AC Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD 48.0 16.0 09/25/2023 ND 416 104 400 0.00 mg/kg Analyzed By: MS Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD <10.0

Surrogate: 1-Chlorooctane 92.4 % 48.2-134

Cardinal Laboratories *=Accredited Analyte

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Celey D. Kune



Analytical Results For:

ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705

Fax To:

Received: 09/19/2023 Sampling Date: 09/19/2023

Analyzed

Reported: 09/25/2023 Sampling Type: Soil

Project Name: FEDERAL 12 - 1 H BATTERY Sampling Condition: Cool & Intact
Project Number: 03B1417058 Sample Received By: Dionica Hinojos

Project Location: OXY - EDDY COUNTY

Sample ID: DS - 1 0'-0.25' (H235081-02)

Analyte

TPH 8015M mg/kg Analyzed By: MS

Method Blank

BS

% Recovery

True Value QC

RPD

Qualifier

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

Result

Reporting Limit

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Celey D. Keene



Analytical Results For:

ENSOLUM, LLC **BEAUX JENNINGS** 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 09/19/2023 Sampling Date: 09/19/2023

Reported: 09/25/2023 Sampling Type: Soil

Project Name: FEDERAL 12 - 1 H BATTERY Sampling Condition: Cool & Intact Sample Received By: Project Number: 03B1417058 Dionica Hinojos

Project Location: **OXY - EDDY COUNTY**

Sample ID: DS - 2 0'-0.25' (H235081-03)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/21/2023	ND	2.03	102	2.00	4.02	
Toluene*	<0.050	0.050	09/21/2023	ND	2.10	105	2.00	3.99	
Ethylbenzene*	<0.050	0.050	09/21/2023	ND	2.22	111	2.00	6.29	
Total Xylenes*	<0.150	0.150	09/21/2023	ND	5.76	96.0	6.00	6.46	QM-07
Total BTEX	<0.300	0.300	09/21/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	116 %	71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	09/25/2023	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/20/2023	ND	201	101	200	1.21	
DRO >C10-C28*	<10.0	10.0	09/20/2023	ND	204	102	200	0.717	
EXT DRO >C28-C36	<10.0	10.0	09/20/2023	ND					
Surrogate: 1-Chlorooctane	87.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	102 9	% 49.1-14	8						

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Celey D. Keene



Sample Received By:

09/19/2023

Dionica Hinojos

Analytical Results For:

ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 09/19/2023 Sampling Date:

Reported: 09/25/2023 Sampling Type: Soil
Project Name: FEDERAL 12 - 1 H BATTERY Sampling Condition: Cool & Intact

Project Number: 03B1417058

Project Location: OXY - EDDY COUNTY

Sample ID: DS - 3 0'-0.25' (H235081-04)

BTEX 8021B	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/21/2023	ND	2.03	102	2.00	4.02	
Toluene*	<0.050	0.050	09/21/2023	ND	2.10	105	2.00	3.99	
Ethylbenzene*	< 0.050	0.050	09/21/2023	ND	2.22	111	2.00	6.29	
Total Xylenes*	<0.150	0.150	09/21/2023	ND	5.76	96.0	6.00	6.46	
Total BTEX	<0.300	0.300	09/21/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	116	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	09/25/2023	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/20/2023	ND	201	101	200	1.21	
DRO >C10-C28*	<10.0	10.0	09/20/2023	ND	204	102	200	0.717	
EXT DRO >C28-C36	<10.0	10.0	09/20/2023	ND					
Surrogate: 1-Chlorooctane	91.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	105	% 49.1-14	8						

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Celey D. Keene



Sample Received By:

09/19/2023

Dionica Hinojos

Analytical Results For:

ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 09/19/2023 Sampling Date:

Reported: 09/25/2023 Sampling Type: Soil
Project Name: FEDERAL 12 - 1 H BATTERY Sampling Condition: Cool & Intact

Project Number: 03B1417058

Project Location: OXY - EDDY COUNTY

Sample ID: DS - 4 0'-0.25' (H235081-05)

BTEX 8021B	mg,	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/21/2023	ND	2.03	102	2.00	4.02	
Toluene*	<0.050	0.050	09/21/2023	ND	2.10	105	2.00	3.99	
Ethylbenzene*	<0.050	0.050	09/21/2023	ND	2.22	111	2.00	6.29	
Total Xylenes*	<0.150	0.150	09/21/2023	ND	5.76	96.0	6.00	6.46	
Total BTEX	<0.300	0.300	09/21/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	114 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	09/25/2023	ND	416	104	400	0.00	
TPH 8015M	mg,	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/20/2023	ND	201	101	200	1.21	
DRO >C10-C28*	<10.0	10.0	09/20/2023	ND	204	102	200	0.717	
EXT DRO >C28-C36	<10.0	10.0	09/20/2023	ND					
Surrogate: 1-Chlorooctane	86.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	100	% 49.1-14	8						

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Celey D. Keene



Sample Received By:

09/19/2023

Cool & Intact

Dionica Hinojos

Soil

Analytical Results For:

ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 09/19/2023 Sampling Date: Reported: 09/25/2023 Sampling Type:

Reported: 09/25/2023 Sampling Type:
Project Name: FEDERAL 12 - 1 H BATTERY Sampling Condition:

Project Number: 03B1417058

Project Location: OXY - EDDY COUNTY

Sample ID: DS - 5 0'-0.25' (H235081-06)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/21/2023	ND	2.03	102	2.00	4.02	
Toluene*	<0.050	0.050	09/21/2023	ND	2.10	105	2.00	3.99	
Ethylbenzene*	<0.050	0.050	09/21/2023	ND	2.22	111	2.00	6.29	
Total Xylenes*	<0.150	0.150	09/21/2023	ND	5.76	96.0	6.00	6.46	
Total BTEX	<0.300	0.300	09/21/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	113 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	09/25/2023	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/20/2023	ND	201	101	200	1.21	
DRO >C10-C28*	<10.0	10.0	09/20/2023	ND	204	102	200	0.717	
EXT DRO >C28-C36	<10.0	10.0	09/20/2023	ND					
Surrogate: 1-Chlorooctane	88.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	102	% 49.1-14	8						

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Celey D. Keene



Analytical Results For:

ENSOLUM, LLC **BEAUX JENNINGS** 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 09/19/2023 Reported: 09/25/2023

Project Name: FEDERAL 12 - 1 H BATTERY

Project Number: 03B1417058

Project Location: **OXY - EDDY COUNTY** Sampling Date: 09/19/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Dionica Hinojos

Sample ID: DS - 6 0'-0.25' (H235081-07)

BTEX 8021B	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/21/2023	ND	2.03	102	2.00	4.02	
Toluene*	<0.050	0.050	09/21/2023	ND	2.10	105	2.00	3.99	
Ethylbenzene*	<0.050	0.050	09/21/2023	ND	2.22	111	2.00	6.29	
Total Xylenes*	<0.150	0.150	09/21/2023	ND	5.76	96.0	6.00	6.46	
Total BTEX	<0.300	0.300	09/21/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	113 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	09/25/2023	ND	416	104	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/20/2023	ND	197	98.4	200	8.23	
DRO >C10-C28*	<10.0	10.0	09/20/2023	ND	211	106	200	11.9	
EXT DRO >C28-C36	<10.0	10.0	09/20/2023	ND					
Surrogate: 1-Chlorooctane	117 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	137	% 49.1-14	8						

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Celey D. Keene



Analytical Results For:

ENSOLUM, LLC **BEAUX JENNINGS** 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 09/19/2023 Sampling Date: 09/19/2023

Reported: 09/25/2023 Sampling Type: Soil

Project Name: FEDERAL 12 - 1 H BATTERY Sampling Condition: Cool & Intact Sample Received By: Project Number: 03B1417058 Dionica Hinojos

OXY - EDDY COUNTY Project Location:

Sample ID: DS - 7 0'-0.25' (H235081-08)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/21/2023	ND	2.03	102	2.00	4.02	
Toluene*	<0.050	0.050	09/21/2023	ND	2.10	105	2.00	3.99	
Ethylbenzene*	<0.050	0.050	09/21/2023	ND	2.22	111	2.00	6.29	
Total Xylenes*	<0.150	0.150	09/21/2023	ND	5.76	96.0	6.00	6.46	
Total BTEX	<0.300	0.300	09/21/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	111 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	09/25/2023	ND	416	104	400	0.00	
TPH 8015M	mg,	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/20/2023	ND	197	98.4	200	8.23	
DRO >C10-C28*	<10.0	10.0	09/20/2023	ND	211	106	200	11.9	
EXT DRO >C28-C36	<10.0	10.0	09/20/2023	ND					
Surrogate: 1-Chlorooctane	96.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	112 9	% 49.1-14	8						

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Celey D. Keene



Analytical Results For:

ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 09/19/2023 Reported: 09/25/2023

FEDERAL 12 - 1 H BATTERY

Project Name: FEDERAL 12 Project Number: 03B1417058

Project Location: OXY - EDDY COUNTY

Sampling Date: 09/19/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Dionica Hinojos

Sample ID: DS - 8 0'-0.25' (H235081-09)

RTFY 8021R

B1EX 8021B	mg	/кд	Anaiyze	а ву: м5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/21/2023	ND	2.03	102	2.00	4.02	
Toluene*	<0.050	0.050	09/21/2023	ND	2.10	105	2.00	3.99	
Ethylbenzene*	<0.050	0.050	09/21/2023	ND	2.22	111	2.00	6.29	
Total Xylenes*	<0.150	0.150	09/21/2023	ND	5.76	96.0	6.00	6.46	
Total BTEX	<0.300	0.300	09/21/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	112	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	09/20/2023	ND	400	100	400	3.92	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/20/2023	ND	197	98.4	200	8.23	
DRO >C10-C28*	<10.0	10.0	09/20/2023	ND	211	106	200	11.9	
EXT DRO >C28-C36	<10.0	10.0	09/20/2023	ND					
Surrogate: 1-Chlorooctane	93.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	108	% 49.1-14	8						

Applyzod By: MC

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Celey D. Keine



Analytical Results For:

ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 09/19/2023 Sampling Date: 09/19/2023

Reported: 09/25/2023 Sampling Type: Soil

Project Name: FEDERAL 12 - 1 H BATTERY Sampling Condition: Cool & Intact
Project Number: 03B1417058 Sample Received By: Dionica Hinojos

Applyzod By: MC

Project Location: OXY - EDDY COUNTY

Sample ID: DS - 9 0'-0.25' (H235081-10)

RTFY 8021R

B1EX 8021B	mg,	rkg	Anaiyze	а ву: мѕ					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/21/2023	ND	2.03	102	2.00	4.02	
Toluene*	<0.050	0.050	09/21/2023	ND	2.10	105	2.00	3.99	
Ethylbenzene*	<0.050	0.050	09/21/2023	ND	2.22	111	2.00	6.29	
Total Xylenes*	<0.150	0.150	09/21/2023	ND	5.76	96.0	6.00	6.46	
Total BTEX	<0.300	0.300	09/21/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	113 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	09/20/2023	ND	400	100	400	3.92	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/20/2023	ND	197	98.4	200	8.23	
DRO >C10-C28*	<10.0	10.0	09/20/2023	ND	211	106	200	11.9	
EXT DRO >C28-C36	<10.0	10.0	09/20/2023	ND					
Surrogate: 1-Chlorooctane	93.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	109	% 49.1-14	8						

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Notes and Definitions

S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.

QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS

recovery.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

** Samples not received at proper temperature of 6°C or below.

*** Insufficient time to reach temperature.

- Chloride by SM4500Cl-B does not require samples be received at or below 6°C

Samples reported on an as received basis (wet) unless otherwise noted on report

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† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

CARDINAL Laboratories 101 East Marland, Hobbs, NM 8824

101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476

	(0/0) 393-2320	(0/0) 393-2326 FAX (5/5) 393-2476	2476					
Company Name	Company Name: Ensolum, LLC			BILL TO	0	A	ANALYSIS REG	REQUEST
Project Manage	Project Manager: Beaux Jennings			P.O. #:				
Address: 601 N	Address: 601 N Marienfeld Street, Suite 400	Suite 400		Company: Oxy USA Inc.	Inc.			
City: Midland		State: TX	Zip: 79701	Attn: Wade Dittrich		_		
Phone #: 210-219-8858	9-8858	Fax #:		Address:			_	
Project #: 6381417058	850±171	Project Owner:	37.	City:				
Project Name: Frees	12-1H	CHE C		State: Zip:			_	
Project Location:	(0)	Δ,		#: 575	128	2		
Sampler Name: Beever	Been Jenie	Maoria	SLimber 1	Fax #:			_	
FOR LAB USE DNLY			MATRIX	ESERV.	SAMPLING			
Lab I.D.	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMP # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE	OTHER: ACID/BASE: ICE/COOL OTHER:	BTEX 80	Clabrile C		
	5-675	0-3	×	A	-	X	+	
2	1-50	0-0.25	6	111		X		
C	75-5	_			1242	-		
10	20-0				1248			
7	2007			-	1250			
3-6	2000	1			1251			
~	20.00				1352			
90	DS-8		-		NSW -			
PLEASE NOTE: Liability and	Damages, Cardinal's liability and	O - O Σ S Calent's exclusive remedy for a	NEASE NOTE: Labelity and Demagos. Cardinal's liability and client's exclusive remody for any claim smalling whether based in contract or tort, shall be limited to the based.	or tort, shall be limited to the amobility paid	23 \258 X	X		
service. In no event shall Car effliates or successors arsing	indinal be liable for incidental or co- ig out of or related to the performa-	recourse whatsoever shall be recoursed damages, including toe of services hereunder by C	Religions to successors asing out of or related to the performance of services hereunder by Cardinal, regardless of the standard with the service. The overst shall Cardinal be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subadiaries, infliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Religionalists had Ry:	d received by Cardinal within 30 days a loss of use, or loss of profits incurred b is based upon any of the above stated	ifter completion of the applicable y dient, its subadiaries, reasons or otherwise.			
The state of the s	\$	Time: + 14:31	Received By:		Verbal Result: All Results are email	Yes DKNo ed. Please provi	Add'l Phone #: de Email address:	
Relinquished By:		Date: Time:	Received By:		REMARKS:			
Sampler- UPS - Bus - Other:		Observed Temp. °C	Sample Condition Cool Intact Pres Pres	On CHECKED BY:	Turnaround Time:	Standard A	Bacteria (only) S. Cool Intact Yes Yes	Bacteria (only) Sample Condition Cool Intact Observed Temp. °C
			No.		200	5]	

Page 13 of 13

<u>District I</u> 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**

QUESTIONS

Action 296177

QUESTIONS

Operator:	OGRID:
OXY USA INC	16696
P.O. Box 4294	Action Number:
Houston, TX 772104294	296177
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAB1700440047
Incident Name	NAB1700440047 FEDERAL 12 #001H @ 30-015-40840
Incident Type	Produced Water Release
Incident Status	Remediation Closure Report Received
Incident Well	[30-015-40840] FEDERAL 12 #001H

Location of Release Source	
Please answer all the questions in this group.	
Site Name	FEDERAL 12 #001H
Date Release Discovered	12/16/2016
Surface Owner	Federal

ncident Details				
Please answer all the questions in this group.				
Incident Type	Produced Water Release			
Did this release result in a fire or is the result of a fire	No			
Did this release result in any injuries	No			
Has this release reached or does it have a reasonable probability of reaching a watercourse	No			
Has this release endangered or does it have a reasonable probability of endangering public health	No			
Has this release substantially damaged or will it substantially damage property or the environment	No			
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No			

Nature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications fo	or the volumes provided should be attached to the follow-up C-141 submission.
Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Corrosion Flow Line - Production Produced Water Released: 20 BBL Recovered: 10 BBL Lost: 10 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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

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

QUESTIONS, Page 2

Action 296177

Phone:(505) 476-3470 Fax:(505) 476-3462	,
QUEST	IONS (continued)
Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696 Action Number: 296177 Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)
QUESTIONS	
Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	No
Reasons why this would be considered a submission for a notification of a major release	Unavailable.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.	e. gas only) are to be submitted on the C-129 form.
Initial Response	
The responsible party must undertake the following actions immediately unless they could create a s	safety hazard that would result in injury.
The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	Not answered.
	iliation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of ted or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of evaluation in the follow-up C-141 submission.
to report and/or file certain release notifications and perform corrective actions for releathe OCD does not relieve the operator of liability should their operations have failed to	knowledge and understand that pursuant to OCD rules and regulations all operators are required ases which may endanger public health or the environment. The acceptance of a C-141 report by adequately investigate and remediate contamination that pose a threat to groundwater, surface rt does not relieve the operator of responsibility for compliance with any other federal, state, or
I hereby agree and sign off to the above statement	Name: Wade Dittrich Title: Environmental Coordinator Email: wade_dittrich@oxy.com

Date: 12/19/2023

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**

QUESTIONS, Page 3

Action 296177

QUESTIONS (continued)

Operator:	OGRID:
OXY USA INC	16696
P.O. Box 4294	Action Number:
Houston, TX 772104294	296177
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Site Characterization			
Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.			
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 100 and 500 (ft.)		
What method was used to determine the depth to ground water	Attached Document		
Did this release impact groundwater or surface water	No		
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:			
A continuously flowing watercourse or any other significant watercourse	Greater than 5 (mi.)		
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Greater than 5 (mi.)		
An occupied permanent residence, school, hospital, institution, or church	Between 1000 (ft.) and ½ (mi.)		
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1000 (ft.) and ½ (mi.)		
Any other fresh water well or spring	Between 1000 (ft.) and ½ (mi.)		
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)		
A wetland	Between 1000 (ft.) and ½ (mi.)		
A subsurface mine	Between 1 and 5 (mi.)		
An (non-karst) unstable area	Between 1000 (ft.) and ½ (mi.)		
Categorize the risk of this well / site being in a karst geology	Medium		
A 100-year floodplain	Greater than 5 (mi.)		
Did the release impact areas not on an exploration, development, production, or storage site	Yes		

Remediation Plan				
Please answer all the questions that apply or are indicated. This information must be	e provided to the appropriate district office no later than 90 days after the release discovery date.			
Requesting a remediation plan approval with this submission Yes				
Attach a comprehensive report demonstrating the lateral and vertical extents of soil of	contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.			
Have the lateral and vertical extents of contamination been fully delinea	ated Yes			
Was this release entirely contained within a lined containment area	No			
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)				
Chloride (EPA 300.0 or SM4500 Cl B)	2200			
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	0			
GRO+DRO (EPA SW-846 Method 8015M)	0			
BTEX (EPA SW-846 Method 8021B or 82608	3) 0			
Benzene (EPA SW-846 Method 8021B or 8260	B) 0			
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report include which includes the anticipated timelines for beginning and completing the remediati	es completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC on.			
On what estimated date will the remediation commence 09/12/2023				
On what date will (or did) the final sampling or liner inspection occur	09/19/2023			
On what date will (or was) the remediation complete(d)	09/19/2023			
What is the estimated surface area (in square feet) that will be reclaim	ed 13125			
What is the estimated volume (in cubic yards) that will be reclaimed	2430			
What is the estimated surface area (in square feet) that will be remedia	ated 13125			
What is the estimated volume (in cubic yards) that will be remediated	2430			
These estimated dates and measurements are recognized to be the best guess or call	culation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.			
	culation at the time of submission and may (be) change(d) over time as more remediation efforts are completed. adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to			

significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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

QUESTIONS, Page 4

Action 296177

QUESTIONS (continued)

Operator:	OGRID:
OXY USA INC	16696
P.O. Box 4294	Action Number:
Houston, TX 772104294	296177
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Remediation Plan (continued)		
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.		
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:		
(Select all answers below that apply.)		
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes	
Which OCD approved facility will be used for off-site disposal	LEA LAND LANDFILL [fEEM0112342028]	
OR which OCD approved well (API) will be used for off-site disposal	Not answered.	
OR is the off-site disposal site, to be used, out-of-state	Not answered.	
OR is the off-site disposal site, to be used, an NMED facility	Not answered.	
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	Not answered.	
(In Situ) Soil Vapor Extraction	Not answered.	
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.	
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.	
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.	
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.	
OTHER (Non-listed remedial process)	Not answered.	

Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

I hereby agree and sign off to the above statement

Name: Wade Dittrich

Title: Environmental Coordinator Email: wade_dittrich@oxy.com

Date: 12/19/2023

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

District I 1625 N. French Dr., Hobbs, NM 88240 Phone: (575) 393-6161 Fax: (575) 393-0720 District II

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

QUESTIONS, Page 5

Action 296177

QUESTIONS	(continued)
QUEUTION	COHUH IUCU

Operator:	OGRID:
OXY USA INC	16696
P.O. Box 4294	Action Number:
Houston, TX 772104294	296177
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Deferral Requests Only Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation. Requesting a deferral of the remediation closure due date with the approval of this No submission

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

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

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Operator:	OGRID:
OXY USA INC	16696
P.O. Box 4294	Action Number:
Houston, TX 772104294	296177
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information		
Last sampling notification (C-141N) recorded	296173	
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	09/19/2023	
What was the (estimated) number of samples that were to be gathered	69	
What was the sampling surface area in square feet	13125	

Remediation Closure Request			
Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.			
Requesting a remediation closure approval with this submission	Yes		
Have the lateral and vertical extents of contamination been fully delineated	Yes		
Was this release entirely contained within a lined containment area	No		
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes		
What was the total surface area (in square feet) remediated	13125		
What was the total volume (cubic yards) remediated	2430		
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes		
What was the total surface area (in square feet) reclaimed	13125		
What was the total volume (in cubic yards) reclaimed	2430		
Summarize any additional remediation activities not included by answers (above)	None		

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 (in .pdf format) 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.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Name: Wade Dittrich
Title: Environmental Coordinator
Email: wade_dittrich@oxy.com
Date: 12/19/2023

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

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QUESTIONS (continued)	Ql	JEST	IONS	(continued)
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Operator:	OGRID:
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P.O. Box 4294	Action Number:
Houston, TX 772104294	296177
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	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Reclamation Report	
Only answer the questions in this group if all reclamation steps have been completed.	
Requesting a reclamation approval with this submission	No

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CONDITIONS

Action 296177

CONDITIONS

Operator:	OGRID:	
OXY USA INC	16696	
P.O. Box 4294	Action Number:	
Houston, TX 772104294	296177	
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	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)	

CONDITIONS

Created By	Condition	Condition Date
amaxwell	Remediation closure approved.	12/26/2023
amaxwell	Per 19.15.29.12.C.(3) the responsible party must remediate the impacted surface area of a release not occurring on a lined, bermed or otherwise contained exploration, development, production, or storage site to meet the standards of Table I of 19.15.29.12 NMAC or other applicable remediation standards AND restore and reclaim the area pursuant to 19.15.29.13 NMAC.	12/26/2023
amaxwell	Submit reclamation report via the OCD permitting portal by 4/30/2024.	12/26/2023