

Incident ID	nAB1528834107
District RP	2RP-3334
Facility ID	
Application ID	

### Closure

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

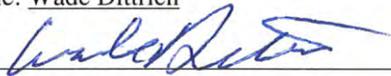
**Closure Report Attachment Checklist:** *Each of the following items must be included in the closure report.*

- A scaled site and sampling diagram as described in 19.15.29.11 NMAC
- Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)
- Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
- Description of remediation activities

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

Printed Name: Wade Dittrich

Title: Environmental Specialist

Signature: 

Date: 1-4-23

email: wade\_dittrich@oxy.com

Telephone: 575-390-2828

**OCD Only**

Jocelyn Harimon

01/11/2023

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

Date: \_\_\_\_\_

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

Closure Approved by: Robert Hamlet

Date: 4/14/2023

Printed Name: Robert Hamlet

Title: Environmental Specialist - Advanced



# ENSOLUM

## CLOSURE REPORT

Property:

**2RP-3334 - 9.17.08 (Big Walt 2 State #008)**

**Eddy County, New Mexico  
32.422360° N, 104.461126° W  
NMOCD Incident ID: nAB1528834107  
District RP: 2RP-3334**

January 11, 2023

Ensolum Project No. 03B1417069

Prepared for:

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

Prepared by:

  
Beau Jennings  
Senior Project Manager

  
Heather Holthaus  
Senior Project Manager



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# ENSOLUM

## CLOSURE REPORT

2RP-3334 - 9.17.08 (Big Walt 2 State #008)

Eddy County, New Mexico  
32.422360° N, 104.461126° W  
NMOCD Incident ID: nAB1528834107  
District RP: 2RP-3334

Ensolum Project No. 03B1417069

### 1.0 INTRODUCTION

#### 1.1 Executive Summary

- Due to the lack of information regarding the release, it is unknown if after the release the impacted soils were remediated at the 2RP-3334 - 9.17.08 (Big Walt 2 State #008), hereinafter referred to as the "Site".
- On September 17, 2008, approximately 90-100 barrels (bbls) of produced water were released to the ground surface. The volume of subsequently recovered fluid is unavailable. Based on the lack of remediation information, Oxy USA Inc. (Oxy) contracted Ensolum, LLC (Ensolum) to perform sampling of the approximate spill location at the Site. The impacted on-Site soils in the release area were excavated by Tex-Mex Rentals & Service (Tex-Mex) in 2022. Following remediation activities, excavated material was transported to Lea Land LLC for proper disposal.
- On September 2, 2022, Ensolum arrived on-Site and collected 165 composite soil samples from the excavation floor within the release area. The floor soil samples were collected from 165 different sample locations (FS-1 through FS-165) at depths ranging from 0.25 to 0.50 inches below ground surface (bgs).
- Based on laboratory analytical results, additional excavation at the Site was required. Ensolum arrived on-Site with Tex-Mex on September 29, 2022 to conduct additional excavation activities and collected 14 additional composite soil samples from the excavation floor (FS-4, FS-5, FS-6, FS-7, FS-9, FS-10, FS-33, FS-34, FS-75, FS-82, FS-86, FS-98, FS-102, and FS-131) at depths ranging from 1 to 7 feet bgs.
- Based on laboratory analytical results, additional excavation at the Site was required. Ensolum arrived on-Site with Tex-Mex on October 12, 2022 to conduct additional excavation activities and collected 1 additional composite soil sample from the excavation floor (FS-131) at a depth of 9 feet bgs. Additionally, Ensolum collected 4 composite soil samples from the excavation sidewalls (SW-86, SW-98, SW-102, and SW-131) at depths ranging from 0-4 to 0-9 feet bgs.
- 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 EMNRD OCD's New Mexico Administrative Code (NMAC) 19.15.29 *Releases* as guidance.
- The final excavation area measured approximately 600 feet by 195 feet. The excavation depths ranged from 0.25 inches bgs to a maximum depth of 9 feet bgs.

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- A total of 180 composite soil samples from 165 locations from the excavation floor (FS-1 through FS-165) and 4 composite soil samples from the excavation sidewalls (SW-86, SW-98, SW-102, and SW-131) were collected.
- Based on the laboratory analytical results, the final confirmation composite soil samples collected from the excavation floor and sidewalls did not exhibit benzene, toluene, ethylbenzene, and xylene (BTEX), total BTEX, total petroleum hydrocarbons (TPH), gasoline range organics (GRO), diesel range organics (DRO) and/or motor oil range organics (MRO) or chloride concentrations above the applicable NMOCD Closure Criteria. Subsequent to the results of the confirmation soil sampling, the identified impacted soils were removed and taken off-Site for proper disposal. The excavation area was subsequently backfilled with clean fill material and then contoured to the original surrounding grade.

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

### 1.2 Site Description & Background

<b>Operator:</b>	Oxy USA Inc. (Oxy)
<b>Site Name:</b>	2RP-3334 - 9.17.08 (Big Walt 2 State #008)
<b>Location:</b>	32. 422360° N, 104. 461126° W Eddy County, New Mexico
<b>Property:</b>	State Land Office (SLO)
<b>Regulatory:</b>	New Mexico Energy, Minerals and Natural Resources Department (EMNRD) Oil Conservation Division (OCD)

On September 17, 2008, approximately 90-100 bbls of produced water were released to the ground surface. The volume of subsequently recovered fluid is unavailable. Based on the lack of remediation information, Oxy contracted Ensolum to perform sampling of the approximate spill location at the Site. The impacted on-Site soils in the release area were excavated by Tex-Mex in 2022. Following remediation activities, excavated material was transported to Lea Land LLC for proper disposal.

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.

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- 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 classified 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 BLM, the Site is located within an unstable area, also referred to as high karst.
- The Site is noted to be located within an area of minimal flood hazard.

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

Closure Criteria for Soils Impacted by a Release			
Minimum depth below any point within horizontal boundary of the release to groundwater less than 10,000 mg/l TDS	Constituent	Method	Limit
≤ 50 feet	Chloride	EPA 300.0 or SM4500 Cl B	600 mg/kg
	TPH (GRO+DRO+MRO)	EPA SW-846 Method 8015M	100 mg/kg
	BTEX	EPA SW-846 Method 8021B or 8260B	50 mg/kg
	Benzene	EPA SW-846 Method 8021B or 8260B	10 mg/kg

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January 11, 2023



### 3.0 SOIL REMEDIATION ACTIVITIES

On September 17, 2008, approximately 90-100 bbls of produced water were released to the ground surface. The volume of subsequently recovered fluid is unavailable. Based on the lack of remediation information, Oxy contracted Ensolum to perform sampling of the approximate spill location at the Site.

On September 2, 2022, Ensolum arrived on-Site and collected 165 composite soil samples from the excavation floor within the release area. The floor soil samples were collected from 165 different sample locations (FS-1 through FS-165) at depths ranging from 0.25 to 0.50 inches bgs.

Based on laboratory analytical results, additional excavation at the Site was required. Ensolum arrived on-Site with Tex-Mex on September 29, 2022 to conduct additional excavation activities and collected 14 additional composite soil samples from the excavation floor (FS-4, FS-5, FS-6, FS-7, FS-9, FS-10, FS-33, FS-34, FS-75, FS-82, FS-86, FS-98, FS-102, and FS-131) at depths ranging from 1 to 7 feet bgs.

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The confirmation soil samples were analyzed for BTEX, TPH GRO/DRO/MRO and chloride in accordance with NMOCD Closure Criteria for Soils Impacted by a Release (NMOCD Closure Criteria).

The final excavation areas measured approximately 600 feet by 195 feet. The excavation depths ranged from 0.25 inches bgs to a maximum depth of 9 feet bgs.

The lithology encountered during the completion of sampling activities consisted primarily of caliche and limestone.

**Figure 3** identifies approximate composite 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 soil sampling program included the collection of a total of 180 composite soil samples from 165 locations from the excavation floor (FS-1 through FS-165) and 4 composite soil samples from the excavation sidewalls (SW-86, SW-98, SW-102, and SW-131) were collected.

The 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 laboratory analysis.

### 5.0 SOIL LABORATORY ANALYTICAL METHODS

The 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**.

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## 6.0 DATA EVALUATION

Ensolum compared the BTEX, TPH GRO/DRO/MRO, and chloride concentrations associated with the excavation floor (FS-1 through FS-165), and the excavation sidewalls (SW-86, SW-98, SW-102, and SW-131) to the applicable NMOCD Closure Criteria.

- Laboratory analytical results indicate the benzene concentrations for the composite 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 the total BTEX concentrations for the composite soil samples are below the laboratory SDLs, which are below the applicable NMOCD Closure Criteria of 50 mg/kg.
- Laboratory analytical results indicate the combined TPH GRO/DRO/MRO concentrations for the composite excavation floor samples (FS-4, FS-5, FS-6, FS-7, FS-9, FS-10, FS-33, FS-34, FS-75, FS-82, FS-86, FS-98, FS-102, and FS-131), ranged from 117 mg/kg to 2,363 mg/kg, which are above the applicable NMOCD Closure Criteria of 100 mg/kg from ≤50 feet. The soils in these locations were subsequently removed and taken off-Site for proper disposal.
- Laboratory analytical results indicate the combined TPH GRO/DRO/MRO concentrations for the final composite soil samples are below the laboratory SDLs and/or the applicable NMOCD Closure Criteria of 100 mg/kg from ≤50 feet.
- Laboratory analytical results indicate the chloride concentrations for the composite soil samples exhibited chloride concentrations ranging from below the laboratory SDLs to 48.0 mg/kg, which are below the applicable NMOCD Closure Criteria of 600 mg/kg from ≤50 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 then backfilled with clean fill material and contoured to the original surrounding grade.

## 8.0 FINDINGS AND RECOMMENDATION

- On September 17, 2008, approximately 90-100 bbls of produced water were released to the ground surface. The volume of subsequently recovered fluid is unavailable. Based on the lack of remediation information, Oxy contracted Ensolum to perform sampling of the approximate spill location at the Site. The impacted on-Site soils in the release area were excavated by Tex-Mex in 2022. Following remediation activities, excavated material was transported to Lea Land LLC for proper disposal.
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Oxy USA Inc.  
Closure Report  
2RP-3334 - 9.17.08 (Big Walt 2 State #008)  
January 11, 2023



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- 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 New Mexico EMNRD OCD's NMAC 19.15.29 *Releases* as guidance.
- The final excavation areas measured approximately 600 feet by 195 feet. The excavation depths ranged from 0.25 inches bgs to a maximum depth of 9 feet bgs.
- A total of 180 composite soil samples from 165 locations from the excavation floor (FS-1 through FS-165) and 4 composite soil samples from the excavation sidewalls (SW-86, SW-98, SW-102, and SW-131) were collected.
- Based on the laboratory analytical results, the final confirmation composite soil samples collected from the excavation floor and sidewalls did not exhibit benzene, total BTEX, TPH GRO/DRO/MRO, or chloride concentrations above the applicable NMOCD Closure Criteria. Subsequent to the results of the confirmation soil sampling, the identified impacted soils were removed and taken off-Site for proper disposal. The excavation area was subsequently backfilled with clean fill material and then contoured to the original surrounding grade.

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

## 9.0 STANDARDS OF CARE, LIMITATIONS, AND RELIANCE

### 9.1 Standard of Care

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

Oxy USA Inc.  
Closure Report  
2RP-3334 - 9.17.08 (Big Walt 2 State #008)  
January 11, 2023



### 9.3 Reliance

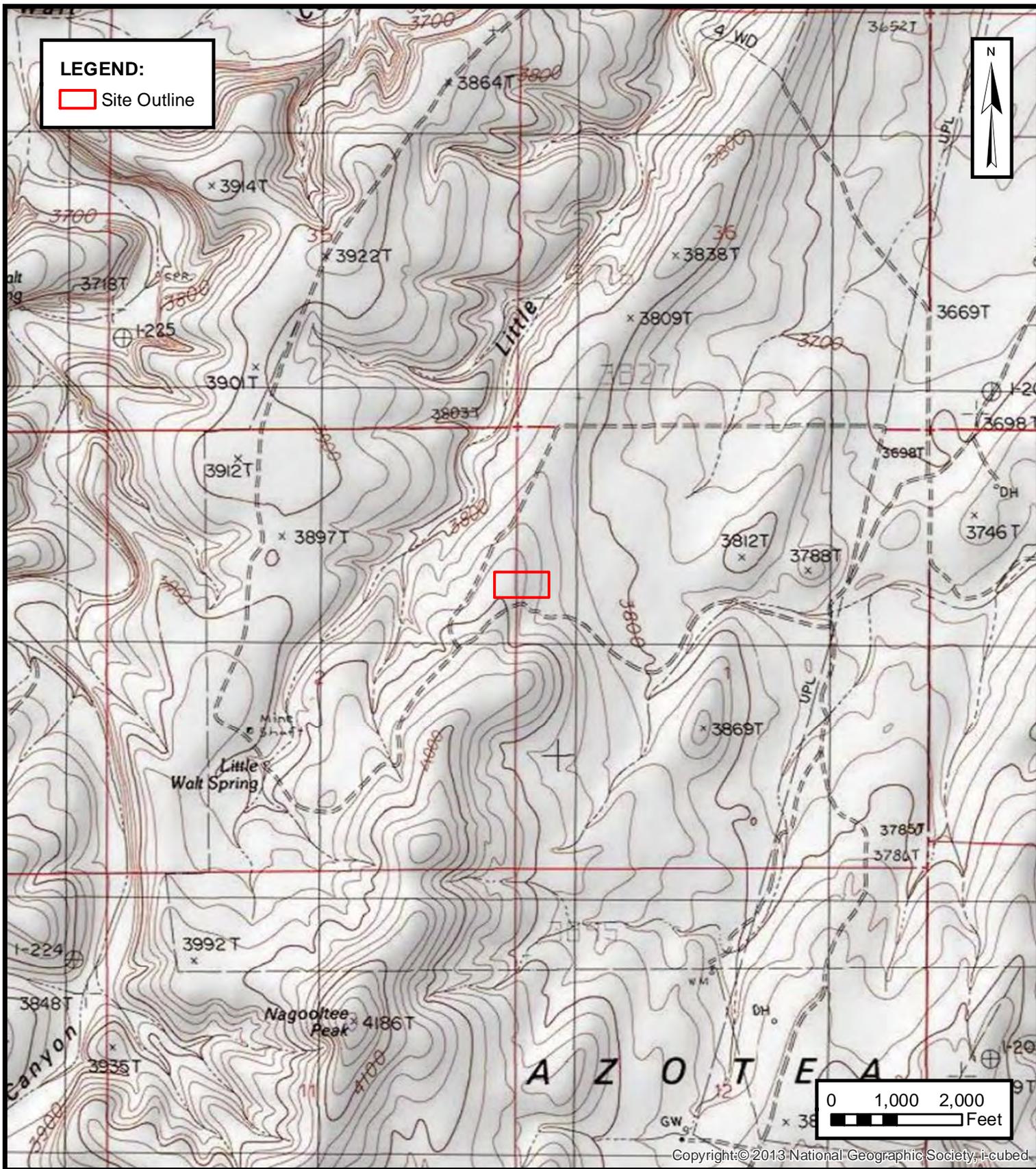
This report has been prepared for the exclusive use of Oxy USA, Inc., and any authorization for use or reliance by any other party (except a governmental entity having jurisdiction over the Site) is prohibited without the express written authorization Oxy USA, Inc. and Ensolum. Any unauthorized distribution 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

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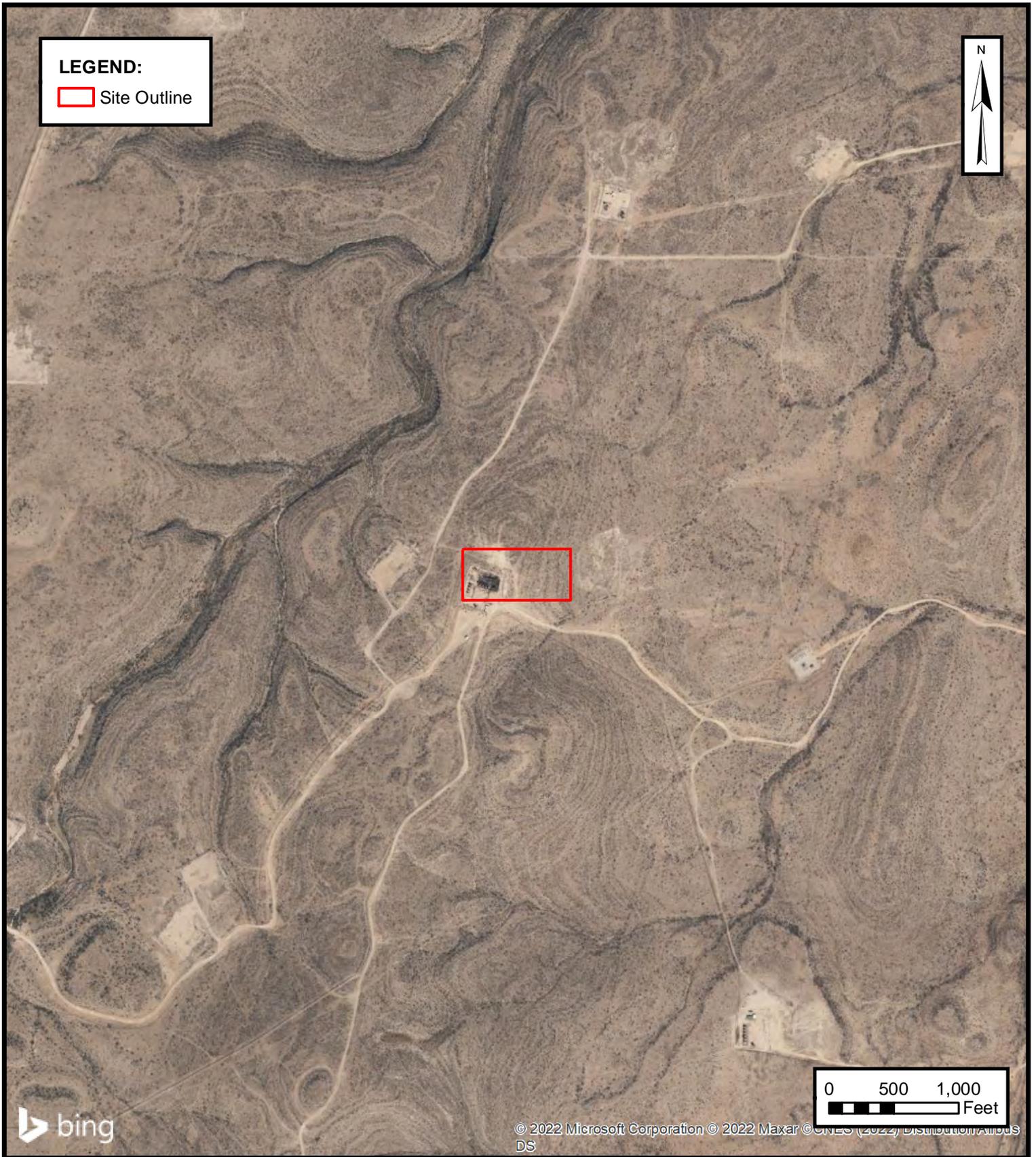
**ENSOLUM**  
 Environmental, Engineering and  
 Hydrogeologic Consultants

**TOPOGRAPHIC MAP**

OXY USA INC.  
 2RP-3334 - 9.17.08 (Big Walt 2 State #008)  
 Eddy County, New Mexico  
 32.422360° N, 104.461126° W

PROJECT NUMBER: 03B1417069

**FIGURE**  
**1**



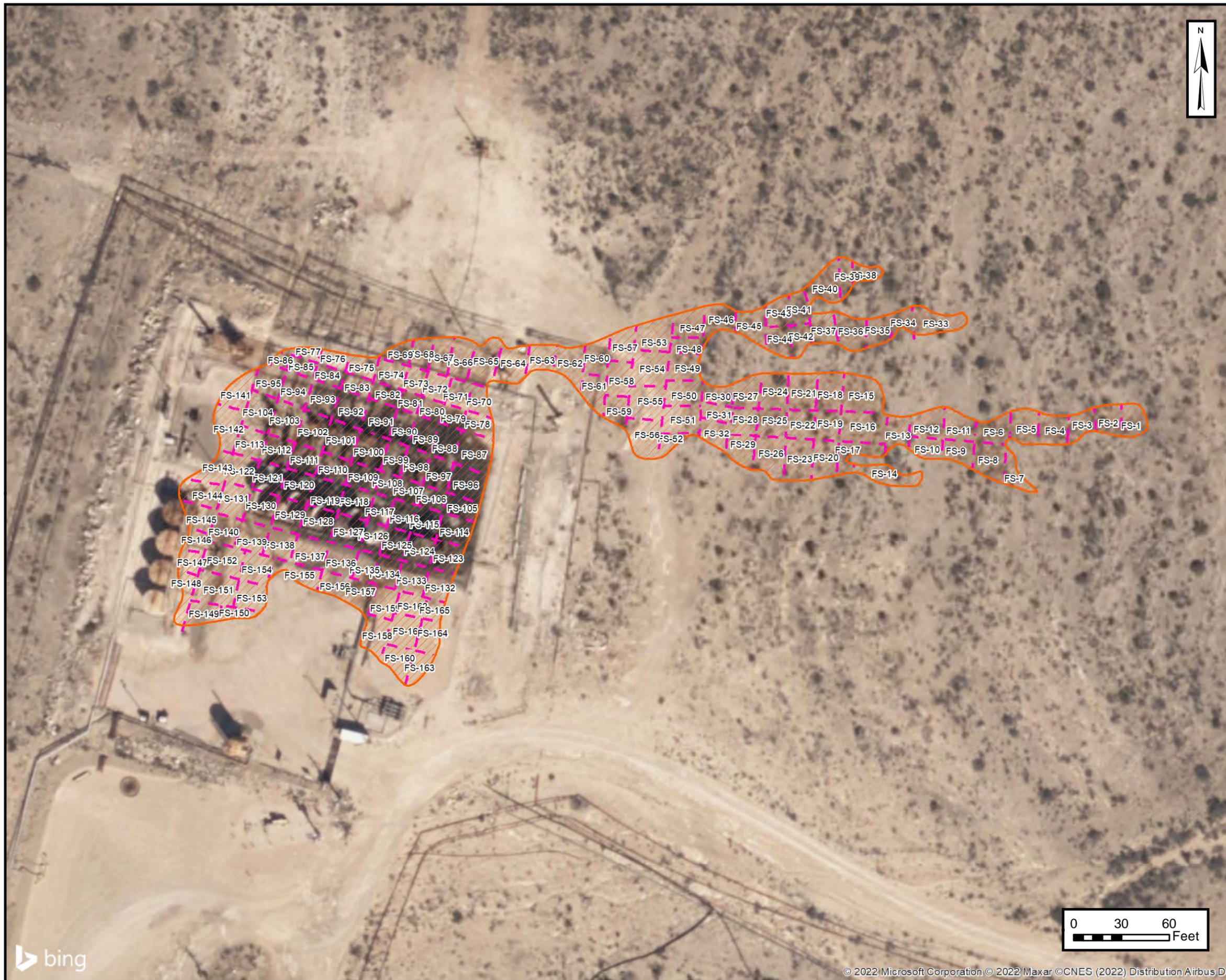
**ENSOLUM**  
Environmental, Engineering and  
Hydrogeologic Consultants

**SITE VICINITY MAP**

OXY USA INC.  
2RP-3334 - 9.17.08 (Big Walt 2 State #008)  
Eddy County, New Mexico  
32.422360° N, 104.461126° W

PROJECT NUMBER: 03B1417069

**FIGURE**  
**2**



**LEGEND:**

-  Release Extent
-  Soil Sampling Grid Boundary



Environmental, Engineering and Hydrogeologic Consultants

**SITE MAP**

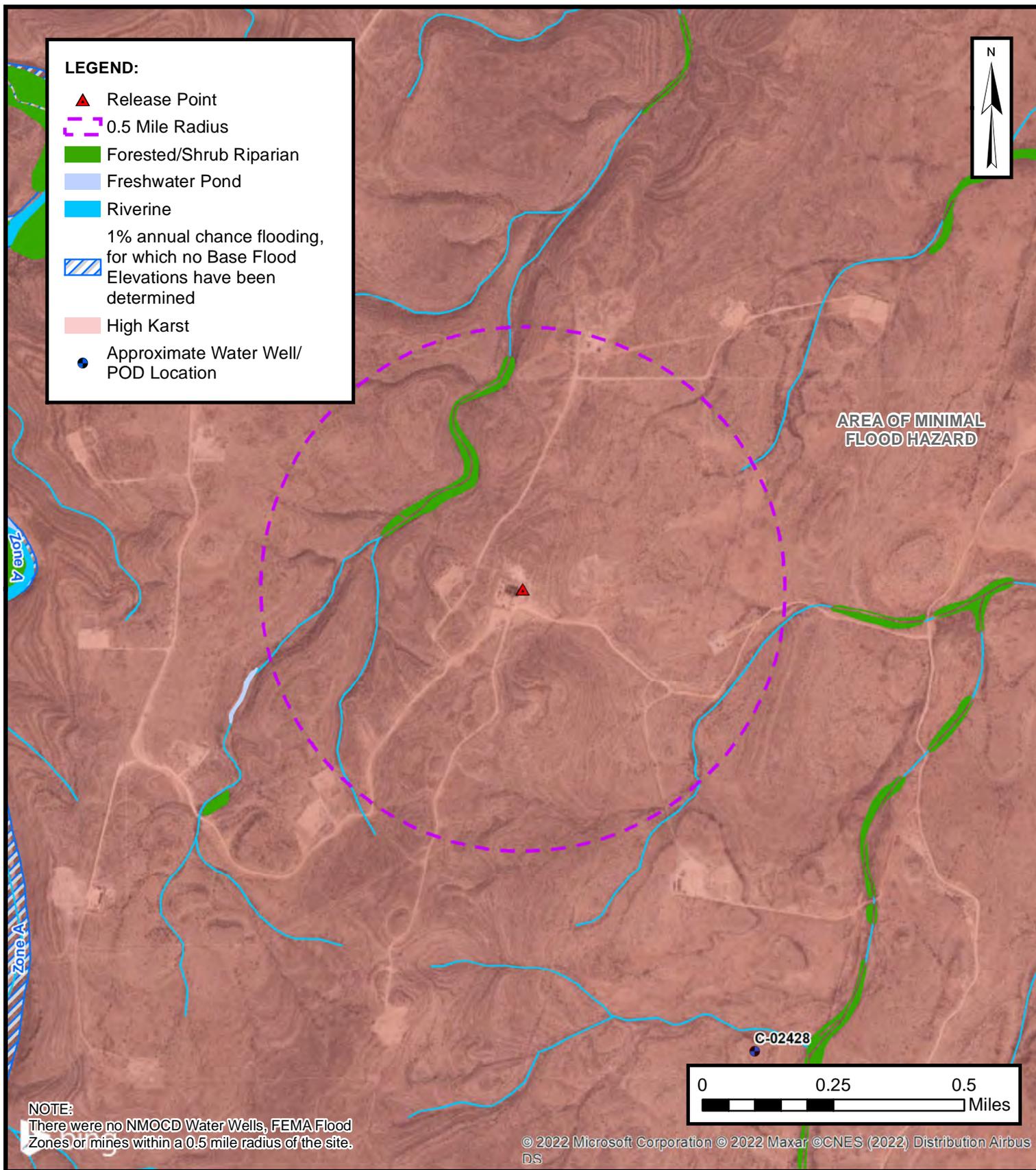
OXY USA INC.  
2RP-3334 - 9.17.08 (Big Walt 2 State #008)

Eddy County, New Mexico  
32.422360° N, 104.461126° W

**FIGURE**  
**3**

PROJECT NUMBER: 03B1417069





**CLOSURE CRITERIA MAP**

OXY USA INC.  
2RP-3334 - 9.17.08 (Big Walt 2 State #008)  
Eddy County, New Mexico  
32.422360° N, 104.461126° W

PROJECT NUMBER: 03B1417069

**FIGURE**  
**4**



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## APPENDIX B

### Supporting Documentation

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# National Flood Hazard Layer FIRMette



104°27'58"W 32°25'36"N



## Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS		Without Base Flood Elevation (BFE) <i>Zone A, V, A99</i>
		With BFE or Depth <i>Zone AE, AO, AH, VE, AR</i>
		Regulatory Floodway

OTHER AREAS OF FLOOD HAZARD		0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile <i>Zone X</i>
		Future Conditions 1% Annual Chance Flood Hazard <i>Zone X</i>
		Area with Reduced Flood Risk due to Levee. See Notes. <i>Zone X</i>
		Area with Flood Risk due to Levee <i>Zone D</i>

OTHER AREAS		NO SCREEN Area of Minimal Flood Hazard <i>Zone X</i>
		Effective LOMRs
		Area of Undetermined Flood Hazard <i>Zone D</i>
GENERAL STRUCTURES		Channel, Culvert, or Storm Sewer
		Levee, Dike, or Floodwall

OTHER FEATURES		20.2 Cross Sections with 1% Annual Chance
		17.5 Water Surface Elevation
		Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
		Jurisdiction Boundary
OTHER FEATURES		Coastal Transect Baseline
		Profile Baseline
		Hydrographic Feature

MAP PANELS		Digital Data Available
		No Digital Data Available
		Unmapped
		The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.



0 250 500 1,000 1,500 2,000 Feet 1:6,000 104°27'20"W 32°25'6"N

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on **11/10/2022 at 5:32 PM** and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.

# Big Walt CTB

Write a description for your map.

## Legend

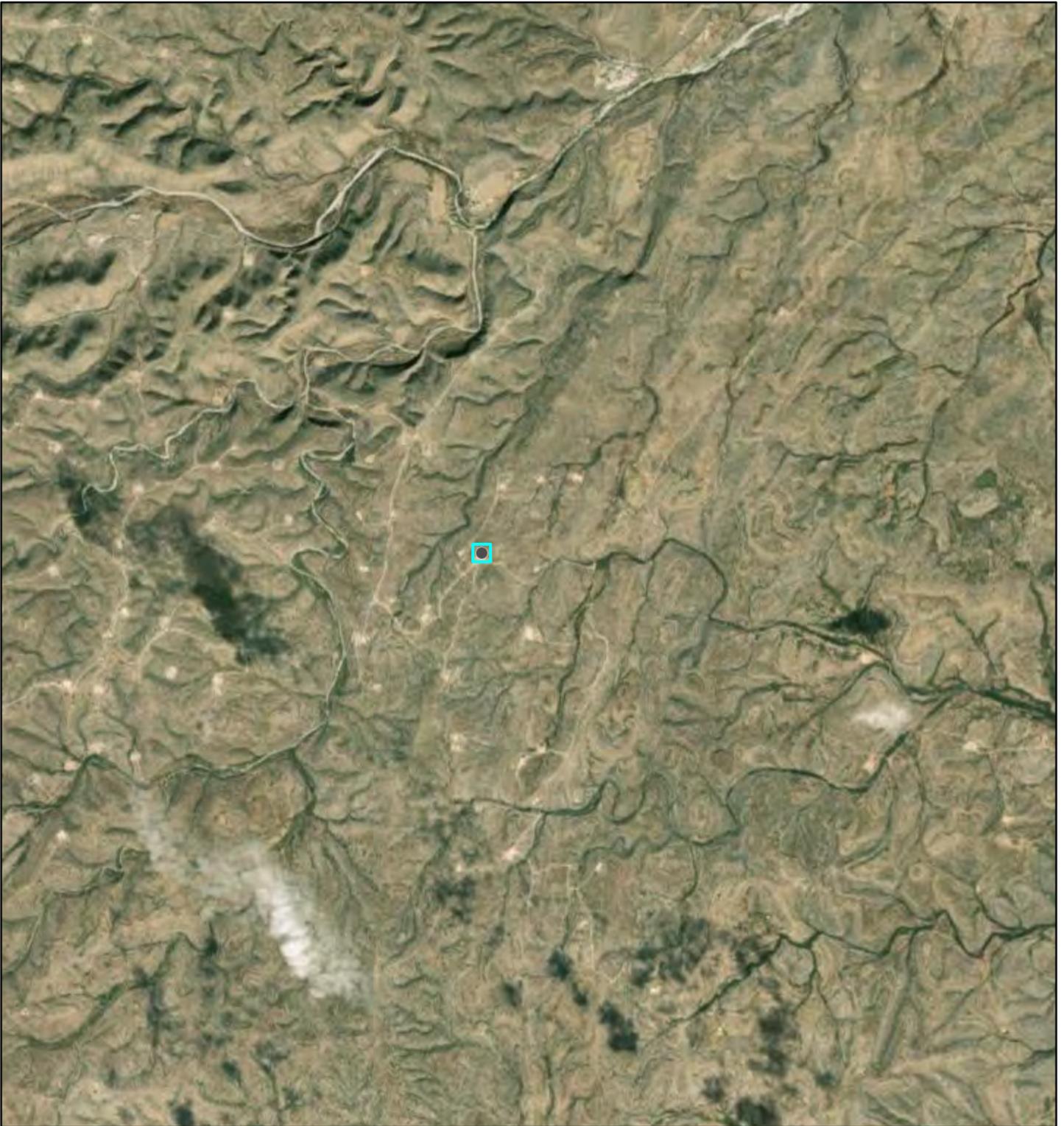
- Feature 1
- Feature 2
- Feature 3
- Feature 4
- High
- Low
- Medium

Big Walt CTB 32.42281, -104.46063



300 ft

# Active Mines in New Mexico

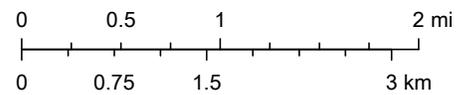


11/10/2022, 4:29:05 PM

Registered Mines

✕ Aggregate, Stone etc.

1:72,224



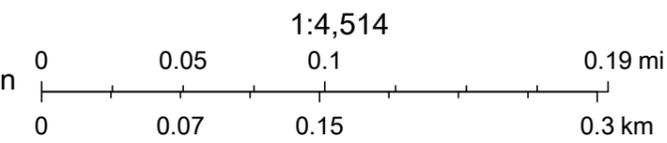
Esri, HERE, Garmin, Earthstar Geographics

# OSE POD Locations Map



11/10/2022, 4:27:10 PM

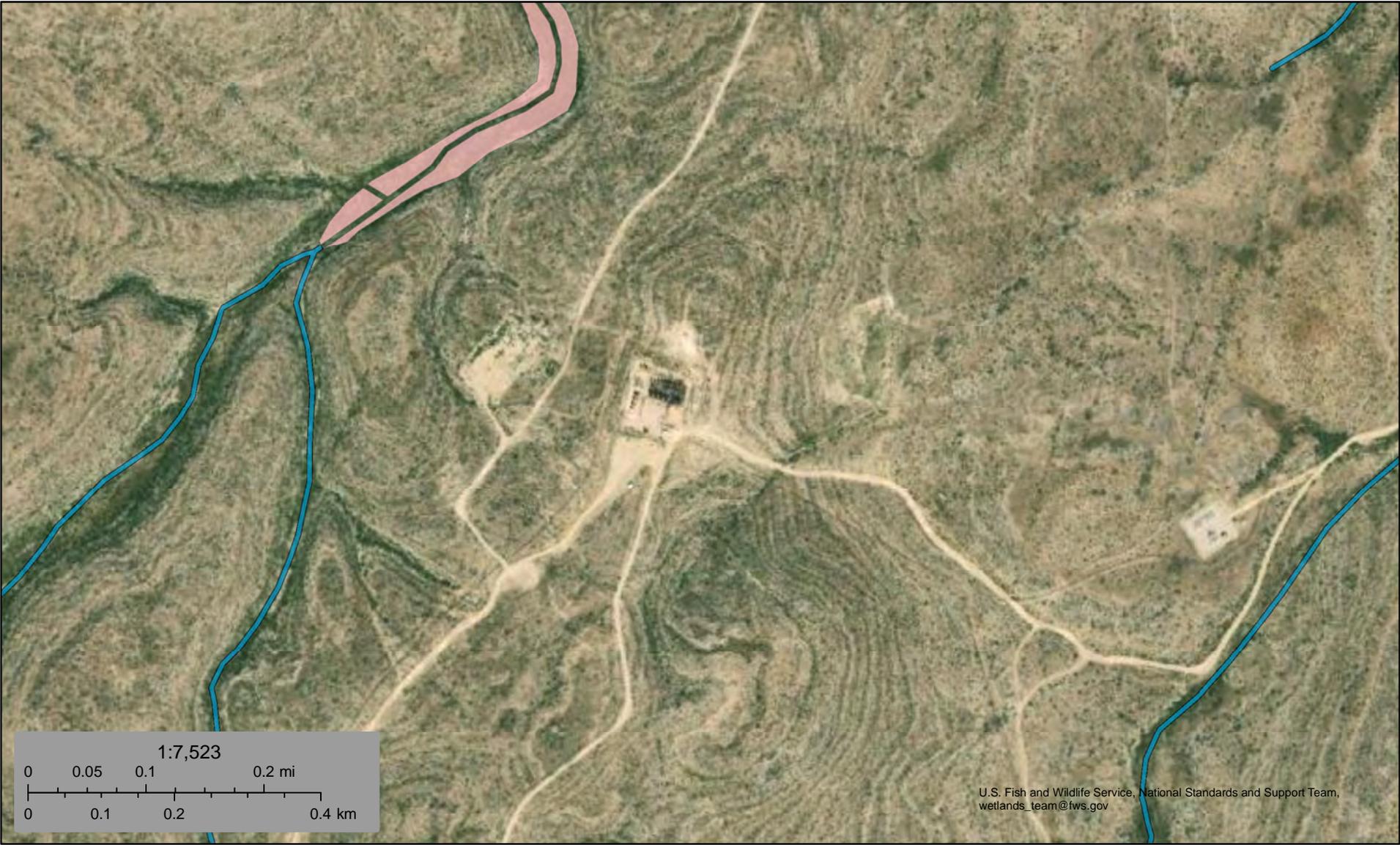
- |                              |                         |                               |                            |                   |
|------------------------------|-------------------------|-------------------------------|----------------------------|-------------------|
| OSE District Boundary        | Well                    | Surface                       | Air Particulate            | PLSSFirstDivision |
| New Mexico State Trust Lands | Abandoned Well          | Surface/Sediment              | Abandoned Air Particulate  | PLSSTownship      |
| Both Estates                 | Oil, Gas Well           | Sediment                      | Treatment System           | BLM Land Grant    |
| SiteBoundaries               | Abandoned Oil, Gas Well | Precipitation Gauge           | Abandoned Treatment System | Sections          |
|                              |                         | Abandoned Precipitation Gauge | PLSSSecondDivision         |                   |



Esri, HERE, GeoTechnologies, Inc., Esri, HERE, Garmin, GeoTechnologies, Inc., OSE SLO, U.S. Department of Energy Office of Legacy Management, Maxar, BLM



# Wetlands Mapper



November 10, 2022

### Wetlands

-  Estuarine and Marine Deepwater
-  Freshwater Emergent Wetland
-  Lake
-  Estuarine and Marine Wetland
-  Freshwater Forested/Shrub Wetland
-  Other
-  Freshwater Pond
-  Riverine

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

## Beaux Jennings

---

**From:** Beaux Jennings  
**Sent:** Tuesday, August 30, 2022 4:21 PM  
**To:** OCD.Enviro@state.nm.us  
**Subject:** Big Walt CTB Gunbarrel Tank (2RP-5475)

Good Afternoon,

On behalf of Oxy USA Inc, Ensolum, LLC would like to provide notification for sampling activities that will be conducted at the Big Walt CTB Gunbarrel Tank (2RP-5475) on Friday, September 2<sup>nd</sup> at 10am. The samples may be used for closure, provided that they meet applicable closure limits.

Thank you,



**Beaux Jennings**  
Senior Project Manager  
210-219-8858  
Ensolum, LLC  
in f 

## Beaux Jennings

---

**From:** Beaux Jennings  
**Sent:** Tuesday, September 27, 2022 11:46 AM  
**To:** OCD.Enviro@state.nm.us  
**Subject:** Big Walt CTB Gunbarrel Tank (2RP-5475)

Good Afternoon,

On behalf of Oxy USA Inc, Ensolum, LLC would like to provide notification for sampling activities that will be conducted at the Big Walt CTB Gunbarrel Tank (2RP-5475) on Thursday, September 29<sup>th</sup> at 11am. The samples may be used for closure, provided that they meet applicable closure limits.

Thank you,



**Beaux Jennings**  
Senior Project Manager  
210-219-8858  
**Ensolum, LLC**  
in f 

## Beaux Jennings

---

**From:** Beaux Jennings  
**Sent:** Monday, October 10, 2022 10:39 AM  
**To:** OCD.Enviro@emnrd.nm.gov  
**Subject:** Big Walt CTB Gunbarrel Tank (2RP-5475)

Good Afternoon,

On behalf of Oxy USA Inc, Ensolum, LLC would like to provide notification for sampling activities that will be conducted at the Big Walt CTB Gunbarrel Tank (2RP-5475) on Thursday, October 13<sup>th</sup> at 10am. The samples may be used for closure, provided that they meet applicable closure limits.

Thank you,



**Beaux Jennings**  
Senior Project Manager  
210-219-8858  
Ensolum, LLC  
in f

## Beaux Jennings

---

**From:** Harimon, Jocelyn, EMNRD <Jocelyn.Harimon@emnrd.nm.gov>  
**Sent:** Wednesday, October 19, 2022 12:19 PM  
**To:** Beaux Jennings  
**Cc:** Bratcher, Michael, EMNRD; Nobui, Jennifer, EMNRD  
**Subject:** FW: [EXTERNAL] Big Walt CTB Gunbarrel Tank (2RP-5475)

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

Beaux

Thank you for the notification. Please 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.

Thanks,  
Jocelyn Harimon

**Jocelyn Harimon** • Environmental Specialist  
Environmental Bureau  
EMNRD - Oil Conservation Division  
1220 South St. Francis Drive | Santa Fe, NM 87505  
(505)469-2821 | [Jocelyn.Harimon@state.nm.us](mailto:Jocelyn.Harimon@state.nm.us)  
<http://www.emnrd.nm.gov>



---

**From:** Beaux Jennings <[bjennings@ensolum.com](mailto:bjennings@ensolum.com)>  
**Sent:** Wednesday, October 19, 2022 7:55 AM  
**To:** Enviro, OCD, EMNRD <[OCD.Enviro@emnrd.nm.gov](mailto:OCD.Enviro@emnrd.nm.gov)>  
**Subject:** [EXTERNAL] Big Walt CTB Gunbarrel Tank (2RP-5475)

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

Good Morning,

On behalf of Oxy USA Inc, Ensolum, LLC would like to provide notification for sampling activities that will be conducted at the Big Walt CTB Gunbarrel Tank (2RP-5475) on Friday, October 21<sup>st</sup> at 10am. The samples may be used for closure, provided that they meet applicable closure limits.

Thank you,



**Beaux Jennings**  
Senior Project Manager  
210-219-8858  
**Ensolum, LLC**  
in f 

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

State of New Mexico  
Energy Minerals and Natural Resources

OCD-ARTESIA

Form C-141  
Revised October 10, 2003

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

Submit 2 Copies to appropriate  
District Office in accordance  
with Rule 116 on back  
side of form

Release Notification and Corrective Action

NAB1528834107

OPERATOR

Initial Report

Final Report

Name of Company OXY USA	Contact Kelton Beaird
Address 102 S Main Carlsbad, NM 88220	Telephone No. (O) 505-887-8337 C) 575-390-1903
Facility Name Big Walt disposal line	Facility Type Disposal Line
30 015 33315	

Surface Owner BLM	Mineral Owner	Lease No.
-------------------	---------------	-----------

LOCATION OF RELEASE

API No. 30-015-33315

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
	1	22s	24e					EDDY

Latitude \_\_\_\_\_ Longitude \_\_\_\_\_

NATURE OF RELEASE

Type of Release Produced Water	Volume of Release 90-100bbls	Volume Recovered none
Source of Release Disposal Poly-Line	Date and Hour of Occurrence unknown	Date and Hour of Discovery 9-17-08/4:00pm
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Jim Amos-BLM Sherry Bohnam-NMOCD	
By Whom? Kelton Beaird- Oxy HES	Date and Hour See above	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.\*

Describe Cause of Problem and Remedial Action Taken.\*  
Overpressure in the line caused the line to bust releasing fluid into the pasture, across the road, continued down the road

Describe Area Affected and Cleanup Action Taken.\*  
The area in the pasture affected was approx. 50' wide by 300' long before branching into smaller streams and running down the road, eventually turning into one small stream and ending. Per BLM and NMOCD permission, this water has a 998ppm chloride level. Therefore this area will be monitored continuously to assure that proper vegetation continues.

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

Signature:	OIL CONSERVATION DIVISION	
Printed Name: Kelton Beaird	Approved by District Supervisor:	
Title: HES Specialist	Approval Date: 10/15/15	Expiration Date: NIA
E-mail Address: kelton_beaird@oxy.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: 9-18-08	Remediation per O.C.D. Rules & Guidelines SUBMIT REMEDIATION PROPOSAL NO LATER THAN: 11/15/15	

\* Attach Additional Sheets If Necessary

ARP-3334

**Bratcher, Mike, EMNRD**

---

**From:** Terry\_Gregston@blm.gov  
**Sent:** Tuesday, May 12, 2009 4:47 PM  
**To:** Isaac Kincaid  
**Cc:** Bratcher, Mike, EMNRD; Susana Rodriguez; Sergio Contreras; terry\_gregston@nm.blm.gov  
**Subject:** Re: FW: Oxy

Please refer to notes added in bold in the following email.

Terry Gregston  
Environmental Protection Specialist  
Bureau of Land Management  
620 E. Greene St.  
Carlsbad, NM 88220  
Office (575) 234-5958  
Fax (575) 234-5927

"Isaac Kincaid" <[ikincaid@sesi-nm.com](mailto:ikincaid@sesi-nm.com)>

To <[mike.bratcher@state.nm.us](mailto:mike.bratcher@state.nm.us)>, <[terry\\_gregston@nm.blm.gov](mailto:terry_gregston@nm.blm.gov)>, "Sergio Contreras" <[scontreras@sesi-nm.com](mailto:scontreras@sesi-nm.com)>, "Susana Rodriguez" <[office2@sesi-nm.com](mailto:office2@sesi-nm.com)>

05/12/2009 07:22 AM

cc

Subject FW: Oxy

---

**From:** Isaac Kincaid [<mailto:ikincaid@sesi-nm.com>]  
**Sent:** Thursday, May 07, 2009 5:26 PM  
**To:** [mike.bratcher@state.nm.us](mailto:mike.bratcher@state.nm.us); 'terry\_gregston@nm.blm.gov'; 'Kelton\_Beaird@oxy.com'  
**Cc:** Sergio Contreras ([scontreras@sesi-nm.com](mailto:scontreras@sesi-nm.com)); Susana Rodriguez ([office2@sesi-nm.com](mailto:office2@sesi-nm.com))  
**Subject:** Oxy

Dear Mr. Bratcher and Mrs. Gregston,

This letter is regarding the conversation that was taken place on May 7, 2009 at the Oxy Big Walt Battery, Oxy Shelby Federal #3, and Oxy McKittrick Central Tank Battery.

**Oxy Big Walt Battery.**

In the conversation at the Battery site it was stated that the location looked okay and a mixture of the BLM #3 and BLM #4 seed will be applied and the site would be able to close once vegetation growth was stabilized. The application of the seed will be applied towards the end of June or beginning of July depending upon weather. Conformation samples of the area will be obtained and analyzed for TPH and BTEX. There will be no further action required.

**PLEASE ADD: Erosion control measures will be implemented where the spill area has been trenched by washing and treatment applications. There will be no further action required once vegetation has been re-established. (TG)**

**(Seeding may help with re-establishment, but if re-establishment of vegetation is not achieved after seeding, there may be further actions required to adequately reclaim the location. TG)**

**Oxy Shelby Federal #3**

The Shelby location was proposed to obtain samples from location area and will be analyzed for TPH and BTEX. The site will then be steam cleaned and another application of micro-blaze will be applied towards the end of June or beginning of July depending upon weather. Once, the micro-blaze has been applied let set for a couple of months and then come back for conformation sampling.

**PLEASE ADD: It is recommended that water be applied after the Micro-blaze to keep the microbes active, especially if the current drought conditions continue. Once the soils are remediated, seeding of the location is also recommended. Final closure of the location is dependent upon re-establishment of vegetation. (TG)**

**Oxy McKittrick Central Tank Battery**

The McKittrick Battery was proposed that the top 2' or easily removed area inside (east side) the tank battery will be excavated and hauled to an approved NMOCD facility. The area will then be backfilled with clean soil and the height of the berm wall will be elevated to an approved standard.

**PLEASE ADD: Emergency secondary containment measures will be available on the location during all construction activities. (TG)**

**ADDITIONALLY: I discussed this location Jim Amos, BLM, because it is a large tank battery located in a critical cave/karst area with significant potential to affect groundwaters. This tank battery is unlined, which makes that potential greater. As part of the spill cleanup efforts, it would be in OXY's best interests to install some sort of liner in this tank battery. Likewise, installation of an overflow tank might be advised as well. TG.**

Isaac Kincaid  
Safety and Environmental Solutions  
505-390-8841  
[ikincaid@sesi-nm.com](mailto:ikincaid@sesi-nm.com)

---

This inbound email has been scanned by the MessageLabs Email Security System.

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**Bratcher, Mike, EMNRD**

---

**From:** Bratcher, Mike, EMNRD  
**Sent:** Tuesday, May 12, 2009 1:14 PM  
**To:** 'Isaac Kincaid'; terry\_gregston@nm.blm.gov; Sergio Contreras; Susana Rodriguez  
**Cc:** Kelton Beard  
**Subject:** RE: Oxy

Isaac,

**Regarding the Oxy Big-Walt Battery:**

It is my understanding that this remediation project encompasses three releases that had occurred on this site. The tank battery area on location has been dismantled and reset to a new site on the well pad to allow for remediation of the former battery site. The area of concern at this point, is the hillside adjacent to the well site. A Closure Report was presented to OCD during our meeting at the site on May 7, 2009. The Closure Report will be held pending outcome of the upcoming sampling event at the hillside area. If the analytical data warrants closure, a Final Report C-141 must also be submitted to OCD. For closure, like approval will be required from BLM.

**Oxy Shelby Federal #3:**

I agree with the proposal to obtain another round of samples from the release site. Dependent on the analytical data, further actions may be required at this site. A Closure Report was presented to OCD for this site as well during our May 7, 2009 meeting. The report will be held pending outcome of the upcoming sampling event and possible subsequent remedial actions. A Final Report C-141 will be required for final closure of this site as well as like approval from BLM.

**Oxy McKittrick Central Tank Battery:**

In reviewing the data on this release site, it seems, based on the analytical data, that the area exhibiting the highest hydrocarbon levels is BH-2, which is on the well pad in front of the load line. TPH at 5' bgs was 8000 mg/kg. OCD would require some material removal at this area. Taking into consideration that rock is encountered fairly shallow at this site, I would like to see as much of the impacted material removed in the battery area and the load line area as is practicable. The Closure Report submitted to OCD at our meeting on May 7, 2009 will be held pending satisfactory completion of this project. A Final Report C-141 and like approval from BLM will be required for final closure of this site.

For all projects, please notify OCD District 2 Office 48 hours prior to obtaining samples where analyses of samples obtained are to be submitted to OCD.

Be advised that OCD approval of work proposals does not relieve the operator of liability should their operations have failed 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.

Please contact me for any questions and/or concerns.

Sincerely,

Mike Bratcher  
NMOCD District 2  
1301 W. Grand Ave.  
Artesia, NM 88210  
575-748-1283 Ext.108

[mike.bratcher@state.nm.us](mailto:mike.bratcher@state.nm.us)

---

**From:** Isaac Kincaid [mailto:ikincaid@sesi-nm.com]  
**Sent:** Tuesday, May 12, 2009 7:22 AM  
**To:** Bratcher, Mike, EMNRD; terry\_gregston@nm.blm.gov; Sergio Contreras; Susana Rodriguez  
**Subject:** FW: Oxy

---

**From:** Isaac Kincaid [mailto:ikincaid@sesi-nm.com]  
**Sent:** Thursday, May 07, 2009 5:26 PM  
**To:** mike.bratcher@state.nm.us; 'terry\_gregston@nm.blm.gov'; 'Kelton\_Beaird@oxy.com'  
**Cc:** Sergio Contreras (scontreras@sesi-nm.com); Susana Rodriguez (office2@sesi-nm.com)  
**Subject:** Oxy

Dear Mr. Bratcher and Mrs. Gregston,

This letter is regarding the conversation that was taken place on May 7, 2009 at the Oxy Big Walt Battery, Oxy Shelby Federal #3, and Oxy McKittrick Central Tank Battery.

**Oxy Big Walt Battery**

In the conversation at the Battery site it was stated that the location looked okay and a mixture of the BLM #3 and BLM #4 seed will be applied and the site would be able to close once vegetation growth was stabilized. The application of the seed will be applied towards the end of June or beginning of July depending upon weather. Conformation samples of the area will be obtained and analyzed for TPH and BTEX. There will be no further action required.

**Oxy Shelby Federal #3**

The Shelby location was proposed to obtain samples from location area and will be analyzed for TPH and BTEX. The site will then be steam cleaned and another application of micro-blaze will be applied towards the end of June or beginning of July depending upon weather. Once, the micro-blaze has been applied let set for a couple of months and then come back for conformation sampling.

**Oxy McKittrick Central Tank Battery**

The Mckittrick Battery was proposed that the top 2' or easily removed area inside (east side) the tank battery will be excavated and hauled to an approved NMOCD facility. The area will then be backfilled with clean soil and the height of the berm wall will be elevated to an approved standard.

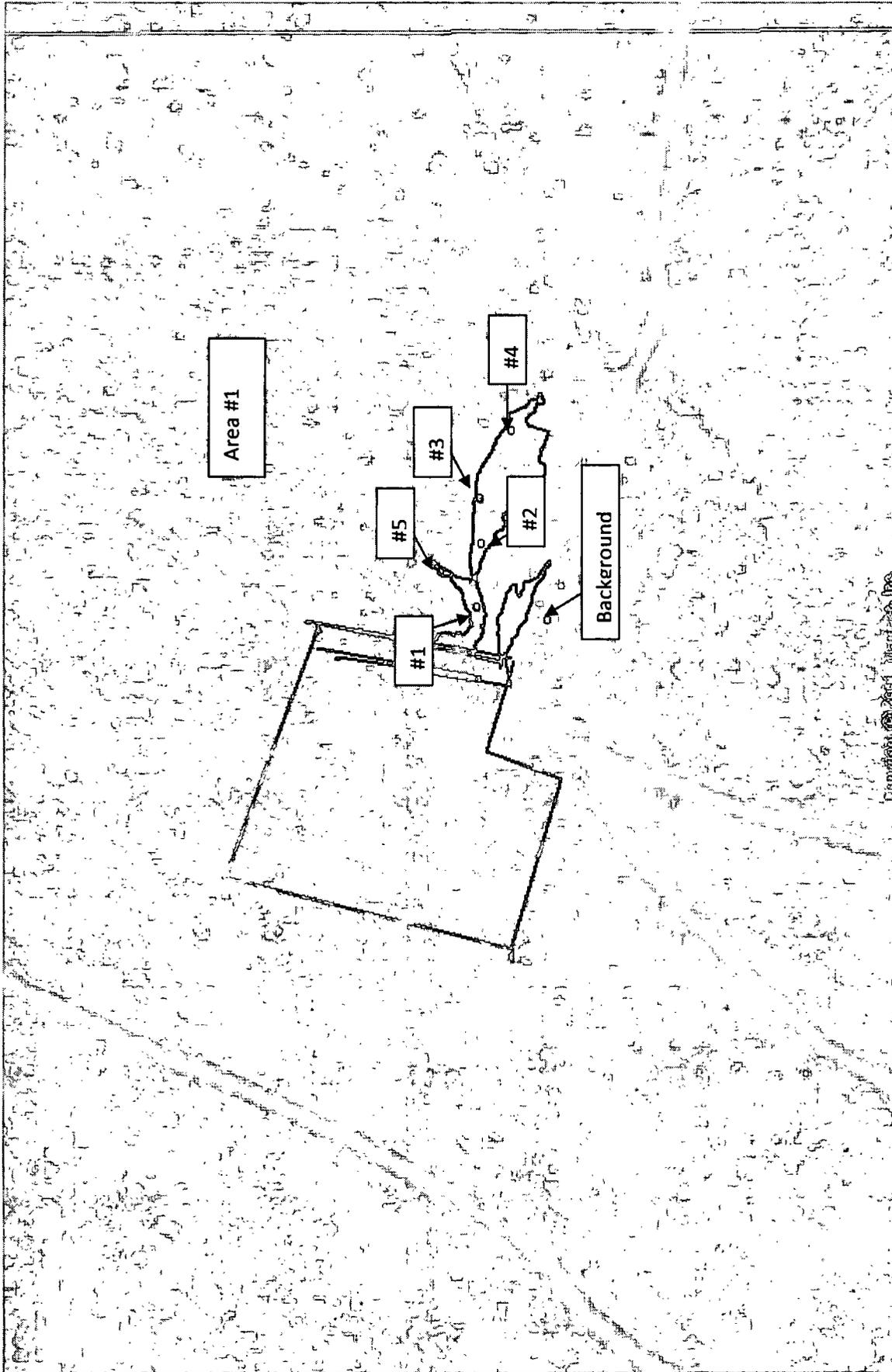
If you would please reply. Thank you,

Isaac Kincaid  
Safety and Environmental Solutions  
505-390-8841  
ikincaid@sesi-nm.com

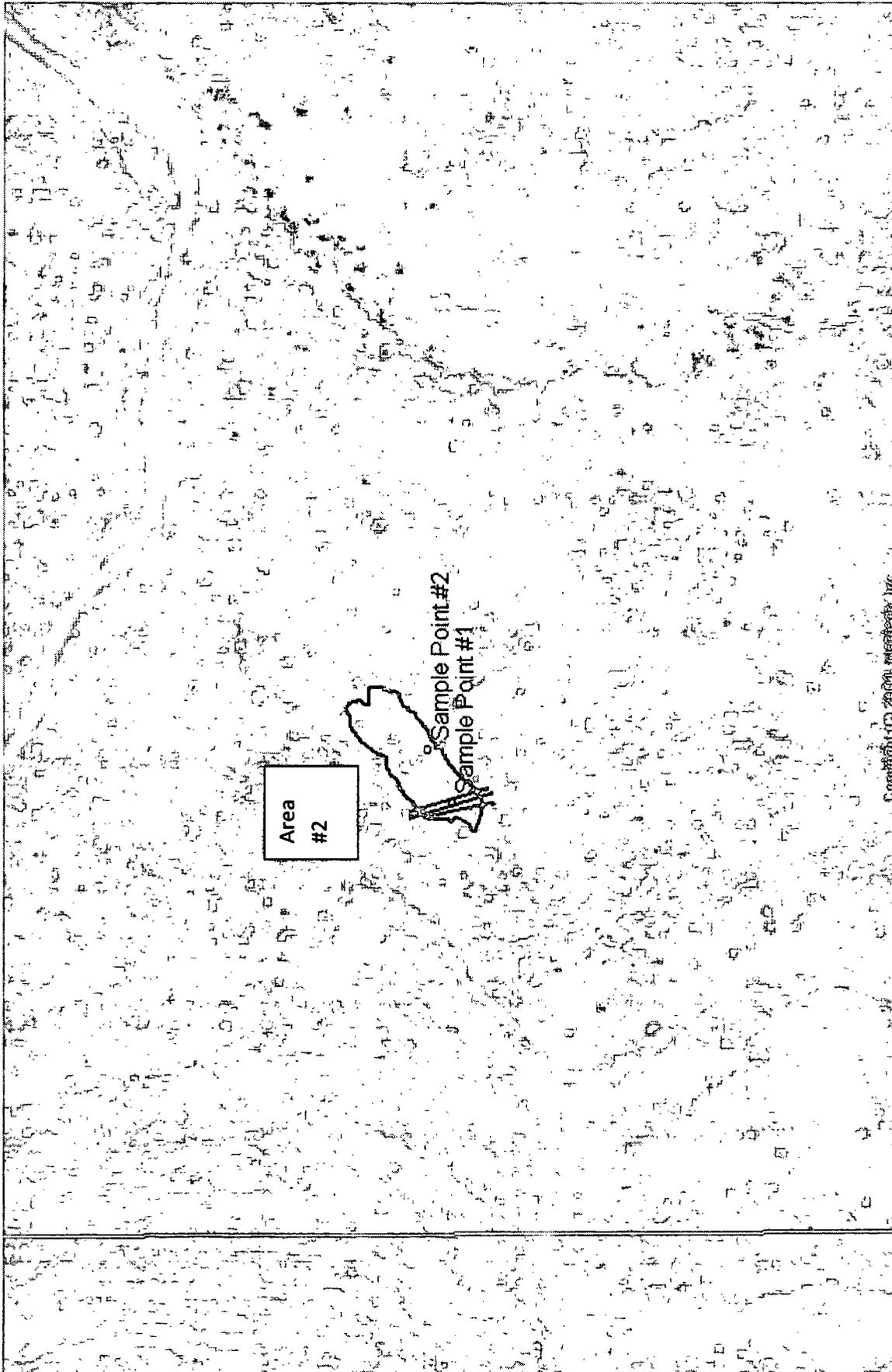
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Big Wait Battery Area #1



Big Walt Battery Area #2

## Big Walt Battery Results:

October 8, 2007

Sample point	Chlorides	Benzene	Toluene	Ethyl Benzene	Xyolene	TPH
#1	300	ND	19	6.1	69	75,000
#2	130	ND	6.8	2.6	36	51,000
#3	200	ND	9.9	3.6	36	48,000
#4	560	ND	1.1	0.80	6.5	28,000
#5	92	ND	93	27	300	87,000
Background	ND	ND	ND	ND	ND	ND

June 18, 2008

Sample point	Chlorides	Benzene	Toluene	Ethyl Benzene	Xyolene	TPH
#1	74	ND	ND	ND	ND	47,000
#2	100	ND	ND	ND	ND	44,000
#3	260	ND	ND	ND	ND	31,000
#4	170	ND	ND	ND	ND	26,000

October 3, 2008

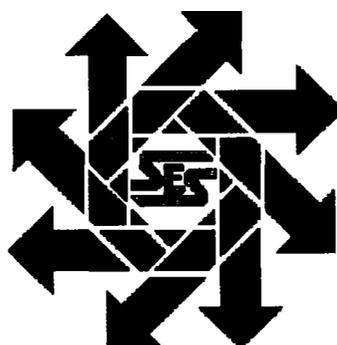
Sample point	Chlorides	Benzene	Toluene	Ethyl Benzene	Xyolene	TPH
#1	96	ND	ND	ND	ND	970
#2	350	ND	ND	ND	ND	22,000
#3	22	ND	ND	ND	ND	4,900
#4	130	ND	ND	ND	ND	31,000
SP #1 Area 2	450	ND	ND	ND	ND	27,000
SP #2 Area 2	280	ND	ND	ND	ND	25

MAY - 7 2009

**Oxy USA Corporation  
Big Walt Battery  
Section 2 T22S R24 E  
Eddy County, New Mexico**

**Closure Report**

**May 6, 2009**



**Prepared for:**

**Oxy USA WTP LP  
P.O. Box 1988  
Carlsbad, New Mexico 88221**

**By:**

**Safety & Environmental Solutions, Inc.  
703 E. Clinton  
Hobbs, New Mexico 88240  
(575) 397-0510**

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**Appendix B – Site Photos ..... 6**

**I. Company Contacts**

NAME	Company	Telephone	E-mail
Kelton Beard	Oxy USA	575-390-1903	Kelton_Beard@oxy.com
Isaac Kincaid	SESI	575-390-8841	ikincaid@sesi-nm.com

**II. Background**

Safety and Environmental Solutions, Inc. (SESI) was engaged by Oxy USA Corporation to perform clean up services at the Oxy Big Walt Battery spill site. This is a tank battery leak, where an unknown amount of product was released.

**III. Surface and Ground Water**

The closest groundwater of record found on the Office of the State Engineer's online Database is located in Section 12, Township 22 South, Range 24 East. The depth of water in this well was 400' in 1914.

**IV. Work Performed**

On October 8, 2007, SESI was onsite to obtain samples from release. Grab samples were taken from spill area in the pasture. Samples were transported to Argon Laboratories analyzed for Chlorides (EPA method 300.0), Benzene, Toluene, Ethyl Benzene, Xylenes, (BTEX EPA method 8021B), and Total Petroleum Hydrocarbons, (TPH EPA method 418.1.) Samples are as follows:

Sample point	Chlorides (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethyl Benzene (mg/kg)	Xylenes (mg/kg)	TPH (mg/kg)
#1	300	<0.25	19	6.1	69	75,000
#2	130	<0.25	6.8	2.6	36	51,000
#3	200	<0.25	9.9	3.6	36	48,000
#4	560	<0.25	1.1	0.80	6.5	28,000
#5	92	<0.25	93	27	300	87,000
Background	<10	<0.005	<0.005	<0.005	<0.010	<10

On November 27, 2007, SESI was back onsite to apply absorbent pads from second leak. Absorbent pads absorbed oil that had been released down the hillside. The absorbent pads were then obtained and placed in a metal drum and taken to CRI for disposal.

On December 4, 2007, SESI was back onsite to wash the hillside with soap and water. The water that pooled at the bottom of the hill was vacuumed up and disposed of at CRI. Three separate applications of 4% micro-blaze was applied to the hillside. Samples were transported to Argon Laboratories analyzed for Chlorides (EPA method 300.0), Benzene, Toluene, Ethyl Benzene, Xylenes, (BTEX EPA method 8021B), and Total Petroleum Hydrocarbons, (TPH EPA method 418.1.) Samples are as follows:

On June 18, 2008, samples were obtained from hillside spill area.

Sample point	Chlorides (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethyl Benzene (mg/kg)	Xylenes (mg/kg)	TPH (mg/kg)
#1	74	ND	ND	ND	ND	47,000
#2	100	ND	ND	ND	ND	44,000
#3	260	ND	ND	ND	ND	31,000
#4	170	ND	ND	ND	ND	26,000

On October 3, 2008, SESI was back onsite to obtain samples from hillside. A third release, Area #2, occurred approximately 0.2 east of battery location. Samples were obtained and transported to Argon Laboratories analyzed for Chlorides (EPA method 300.0), Benzene, Toluene, Ethyl Benzene, Xylenes, (BTEX EPA method 8021B), and Total Petroleum Hydrocarbons, (TPH EPA method 418.1.) Samples are as follows:

Sample point	Chlorides (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethyl Benzene (mg/kg)	Xylenes (mg/kg)	TPH (mg/kg)
#1	96	ND	ND	ND	ND	970
#2	350	ND	ND	ND	ND	22,000
#3	22	ND	ND	ND	ND	4,900
#4	130	ND	ND	ND	ND	31,000
SP #1 Area 2	450	ND	ND	ND	ND	27,000
SP #2 Area 2	280	ND	ND	ND	ND	25

On November 14, 2008, SESI was back onsite with Action Express Steam Cleaning to pressure wash hillside with soap and water. After hillside was washed an application of 4% micro-blaze was re-applied.

**V. Closure Plan**

It is requested that no other action will be taken.

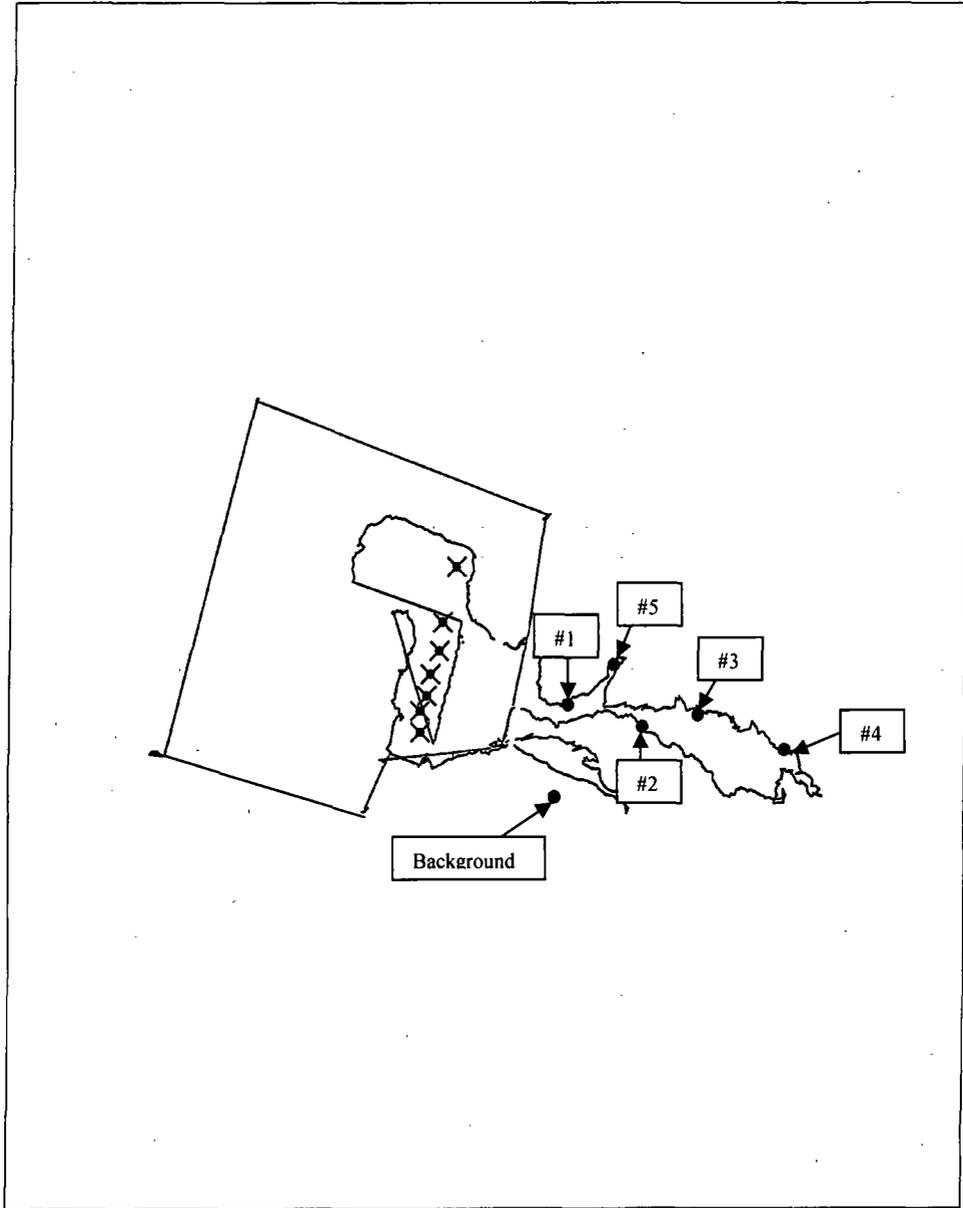
**VI. Figures & Appendices**

- Figure 1 – Vicinity Map
- Figure 2 – Site Plan
- Appendix A – Analytical Results
- Appendix B – Site Photos

**Figure 1  
Vicinity Map**

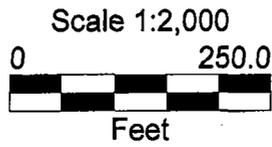


**Figure 2  
Site Plan**



# Big Walt Battery

Lat/Long  
WGS 1984



Multiple Files  
10/11/2007  
GPS Pathfinder<sup>®</sup> Office  
 **Trimble**

# Appendix A Analytical Results

# argon laboratories

15 October 2007

Bob Allen  
Safety & Environmental Solutions, Inc.  
703 E. Clinton Ave  
Hobbs, NM 88240

RE: Oxy Big Walt Battery Project Data

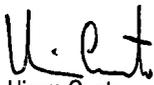
Enclosed are the results for sample(s) received on 10/08/07 16:35 by Argon Laboratories. The sample(s) were analyzed according to instructions in accompanying chain-of-custody. Results are summarized on the following pages.

Please see quality control report for a summary of QC data pertaining to this project.

The sample(s) will be stored for 30 days after completion of analysis, then disposed of in accordance with State and Federal regulations. Sample(s) may be archived by prior arrangement.

Thank you for the opportunity to service the needs of your company.

Sincerely,

  
Hiram Cueto  
Lab Manager



# argon laboratories

Safety & Environmental Solutions, Inc.  
703 E. Clinton Ave  
Hobbs, NM 88240

Project Number: Oxy-07-015  
Project Name: Oxy Big Walt Battery  
Project Manager: Bob Allen

Work Order No.:  
B710006

## ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
# 1	B710006-01	Soil	10/08/07 10:45	10/08/07 16:35
# 2	B710006-02	Soil	10/08/07 10:50	10/08/07 16:35
# 3	B710006-03	Soil	10/08/07 10:55	10/08/07 16:35
# 4	B710006-04	Soil	10/08/07 11:00	10/08/07 16:35
# 5	B710006-05	Soil	10/08/07 11:05	10/08/07 16:35
Background	B710006-06	Soil	10/08/07 11:00	10/08/07 16:35

QC Officer Approval

Argon Laboratories, Inc.

2126 W. Marland Ave., Hobbs, NM 88240 • Phone (505) 397-0295 • Fax (505) 397-0296

email: info@argonlabs.com

# argon laboratories

Safety & Environmental Solutions, Inc.  
703 E. Clinton Ave  
Hobbs, NM 88240

Project Number: Oxy-07-015  
Project Name: Oxy Big Walt Battery  
Project Manager: Bob Allen

Work Order No.:  
B710006

## Anions by Ion Chromatography - EPA Method 300.0

Analyte	Result	Reporting Limit	Units	Dilution	Analyzed	Method	Notes
<b># 1 (B710006-01) Soil Sampled: 10/08/07 10:45 Received: 10/08/07 16:35</b>							
Chloride	300	10	mg/kg	1	10/11/07	EPA 300.0	
<b># 2 (B710006-02) Soil Sampled: 10/08/07 10:50 Received: 10/08/07 16:35</b>							
Chloride	130	10	mg/kg	1	10/11/07	EPA 300.0	
<b># 3 (B710006-03) Soil Sampled: 10/08/07 10:55 Received: 10/08/07 16:35</b>							
Chloride	200	10	mg/kg	1	10/11/07	EPA 300.0	
<b># 4 (B710006-04) Soil Sampled: 10/08/07 11:00 Received: 10/08/07 16:35</b>							
Chloride	560	10	mg/kg	1	10/11/07	EPA 300.0	
<b># 5 (B710006-05) Soil Sampled: 10/08/07 11:05 Received: 10/08/07 16:35</b>							
Chloride	92	10	mg/kg	1	10/11/07	EPA 300.0	
<b>Background (B710006-06) Soil Sampled: 10/08/07 11:00 Received: 10/08/07 16:35</b>							
Chloride	<10	10	mg/kg	1	10/11/07	EPA 300.0	

  
QC Officer Approval

Argon Laboratories, Inc.

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email: info@argonlabs.com

# argon laboratories

Safety & Environmental Solutions, Inc.

Project Number: Oxy-07-015

703 E. Clinton Ave

Project Name: Oxy Big Walt Battery

Hobbs, NM 88240

Project Manager: Bob Allen

Work Order No.:

B710006

## BTEX EPA Method 8021B

Analyte	Result	Reporting Limit	Units	Dilution	Analyzed	Method	Notes
<b># 1 (B710006-01) Soil</b>							<b>D-1</b>
Sampled: 10/08/07 10:45 Received: 10/08/07 16:35							
Benzene	<0.25	0.25	mg/kg	50	10/11/07	8021B	
Toluene	19	0.25	"	"	"	"	
Ethylbenzene	6.1	0.25	"	"	"	"	
Xylenes (total)	69	0.50	"	"	"	"	
Surr. Rec.:	87 %				"	"	
<b># 2 (B710006-02) Soil</b>							<b>D-1</b>
Sampled: 10/08/07 10:50 Received: 10/08/07 16:35							
Benzene	<0.25	0.25	mg/kg	50	10/11/07	8021B	
Toluene	6.8	0.25	"	"	"	"	
Ethylbenzene	2.6	0.25	"	"	"	"	
Xylenes (total)	36	0.50	"	"	"	"	
Surr. Rec.:	108 %				"	"	
<b># 3 (B710006-03) Soil</b>							<b>D-1</b>
Sampled: 10/08/07 10:55 Received: 10/08/07 16:35							
Benzene	<0.25	0.25	mg/kg	50	10/11/07	8021B	
Toluene	9.9	0.25	"	"	"	"	
Ethylbenzene	3.6	0.25	"	"	"	"	
Xylenes (total)	36	0.50	"	"	"	"	
Surr. Rec.:	88 %				"	"	
<b># 4 (B710006-04) Soil</b>							<b>D-1</b>
Sampled: 10/08/07 11:00 Received: 10/08/07 16:35							
Benzene	<0.25	0.25	mg/kg	50	10/11/07	8021B	
Toluene	1.1	0.25	"	"	"	"	
Ethylbenzene	0.80	0.25	"	"	"	"	
Xylenes (total)	6.5	0.50	"	"	"	"	
Surr. Rec.:	99 %				"	"	

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Safety & Environmental Solutions, Inc.  
 703 E. Clinton Ave  
 Hobbs, NM 88240

Project Number: Oxy-07-015  
 Project Name: Oxy Big Walt Battery  
 Project Manager: Bob Allen

Work Order No.:  
 B710006

**BTEX EPA Method 8021B**

Analyte	Result	Reporting Limit	Units	Dilution	Analyzed	Method	Notes
<b># 5 (B710006-05) Soil Sampled: 10/08/07 11:05 Received: 10/08/07 16:35</b>							<b>D-1</b>
Benzene	<0.25	0.25	mg/kg	50	10/11/07	8021B	
Toluene	93	0.25	"	"	"	"	
Ethylbenzene	27	0.25	"	"	"	"	
Xylenes (total)	300	0.50	"	"	"	"	
Surr. Rec.:		95 %			"	"	
<b>Background (B710006-06) Soil Sampled: 10/08/07 11:00 Received: 10/08/07 16:35</b>							
Benzene	<0.005	0.25	mg/kg	1	10/11/07	8021B	
Toluene	<0.005	0.25	"	"	"	"	
Ethylbenzene	<0.005	0.25	"	"	"	"	
Xylenes (total)	<0.010	0.50	"	"	"	"	
Surr. Rec.:		106 %			"	"	

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Safety & Environmental Solutions, Inc.

Project Number: Oxy-07-015

703 E. Clinton Ave

Project Name: Oxy Big Walt Battery

Work Order No.:

Hobbs, NM 88240

Project Manager: Bob Allen

B710006

## Total Recoverable Petroleum Hydrocarbons with Silica Gel Clean-Up by IR Spectrometry

Analyte	Result	Reporting Limit	Units	Dilution	Analyzed	Method	Notes
<b># 1 (B710006-01) Soil Sampled: 10/08/07 10:45 Received: 10/08/07 16:35</b>							
Total Petroleum Hydrocarbons	75000	10	mg/kg	1	10/12/07	EPA 418.1	
<b># 2 (B710006-02) Soil Sampled: 10/08/07 10:50 Received: 10/08/07 16:35</b>							
Total Petroleum Hydrocarbons	51000	10	mg/kg	1	10/12/07	EPA 418.1	
<b># 3 (B710006-03) Soil Sampled: 10/08/07 10:55 Received: 10/08/07 16:35</b>							
Total Petroleum Hydrocarbons	48000	10	mg/kg	1	10/12/07	EPA 418.1	
<b># 4 (B710006-04) Soil Sampled: 10/08/07 11:00 Received: 10/08/07 16:35</b>							
Total Petroleum Hydrocarbons	28000	10	mg/kg	1	10/12/07	EPA 418.1	
<b># 5 (B710006-05) Soil Sampled: 10/08/07 11:05 Received: 10/08/07 16:35</b>							
Total Petroleum Hydrocarbons	87000	10	mg/kg	1	10/12/07	EPA 418.1	
<b>Background (B710006-06) Soil Sampled: 10/08/07 11:00 Received: 10/08/07 16:35</b>							
Total Petroleum Hydrocarbons	<10	10	mg/kg	1	10/12/07	EPA 418.1	

  
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Safety & Environmental Solutions, Inc.

Project Number: Oxy-07-015

703 E. Clinton Ave

Project Name: Oxy Big Walt Battery

Hobbs, NM 88240

Project Manager: Bob Allen

Work Order No.:

B710006

## Anions by Ion Chromatography - EPA Method 300.0 - Quality Control

### Argon Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

#### Batch BQ00114 - General Prep

##### Blank (BQ00114-BLK1)

Prepared & Analyzed: 10/11/07

Chloride ND 10 mg/kg

##### LCS (BQ00114-BS1)

Prepared & Analyzed: 10/11/07

Chloride 4.95 mg/kg 5.00 99 70-130

##### LCS Dup (BQ00114-BSD1)

Prepared & Analyzed: 10/11/07

Chloride 5.15 mg/kg 5.00 103 70-130 4 20

##### Matrix Spike (BQ00114-MS1)

Prepared & Analyzed: 10/11/07

Chloride 4.66 mg/kg 5.00 93 70-130

##### Matrix Spike Dup (BQ00114-MSD1)

Prepared & Analyzed: 10/11/07

Chloride 4.29 mg/kg 5.00 86 70-130 8 20

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Safety & Environmental Solutions, Inc.  
703 E. Clinton Ave  
Hobbs, NM 88240

Project Number: Oxy-07-015  
Project Name: Oxy Big Walt Battery  
Project Manager: Bob Allen

Work Order No.:  
B710006

## BTEX EPA Method 8021B - Quality Control

### Argon Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

#### Batch BQ00112 - EPA 5030B

##### Blank (BQ00112-BLK1)

Prepared & Analyzed: 10/11/07

Surrogate: a,a,a-Trifluorotoluene	0.0540		mg/kg	0.0500		108	70-130			
Benzene	ND	0.005	"							
Toluene	ND	0.005	"							
Ethylbenzene	ND	0.005	"							
Xylenes (total)	ND	0.010	"							

##### LCS (BQ00112-BS1)

Prepared & Analyzed: 10/11/07

Benzene	0.048		mg/kg	0.0500		96	80-120			
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##### LCS Dup (BQ00112-BSD1)

Prepared & Analyzed: 10/11/07

Benzene	0.046		mg/kg	0.0500		92	80-120	4	20	
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##### Matrix Spike (BQ00112-MS1)

Prepared & Analyzed: 10/11/07

Ethylbenzene	0.042		mg/kg	0.0500		84	70-130			
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##### Matrix Spike Dup (BQ00112-MSD1)

Prepared & Analyzed: 10/11/07

Ethylbenzene	0.044		mg/kg	0.0500		88	70-130	5	20	
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Safety & Environmental Solutions, Inc.  
 703 E. Clinton Ave  
 Hobbs, NM 88240

Project Number: Oxy-07-015  
 Project Name: Oxy Big Walt Battery  
 Project Manager: Bob Allen

Work Order No.:  
 B710006

## Total Recoverable Petroleum Hydrocarbons with Silica Gel Clean-Up by IR Spectrometry - Quality Control

### Argon Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

#### Batch BQ00111 - EPA 3550B

##### Blank (BQ00111-BLK1)

Prepared & Analyzed: 10/12/07

Total Petroleum Hydrocarbons ND 10 mg/kg

##### LCS (BQ00111-BS1)

Prepared & Analyzed: 10/12/07

Total Petroleum Hydrocarbons 46.5 mg/kg 50.0 93 70-130

##### LCS Dup (BQ00111-BSD1)

Prepared & Analyzed: 10/12/07

Total Petroleum Hydrocarbons 47.2 mg/kg 50.0 94 70-130 1 20

##### Matrix Spike (BQ00111-MS1)

Prepared & Analyzed: 10/12/07

Total Petroleum Hydrocarbons 43.1 mg/kg 50.0 86 70-130

##### Matrix Spike Dup (BQ00111-MSD1)

Prepared & Analyzed: 10/12/07

Total Petroleum Hydrocarbons 42.5 mg/kg 50.0 85 70-130 1 20

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Safety & Environmental Solutions, Inc.

Project Number: Oxy-07-015

703 E. Clinton Ave

Project Name: Oxy Big Walt Battery

Hobbs, NM 88240

Project Manager: Bob Allen

Work Order No.:

B710006

## Notes and Definitions

D-1 Sample diluted due to high concentration of target analytes and/or high organic content.

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

QC Officer Approval

Argon Laboratories, Inc.

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06 November 2008

Bob Allen  
Safety & Environmental Solutions, Inc.  
703 E. Clinton Ave  
Hobbs, NM 88240

RE: Oxy Big Walt Battery Project Data

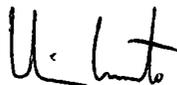
Enclosed are the results for sample(s) received on 10/29/08 15:00 by Argon Laboratories. The sample(s) were analyzed according to instructions in accompanying chain-of-custody. Results are summarized on the following pages.

Please see quality control report for a summary of QC data pertaining to this project.

The sample(s) will be stored for 30 days after completion of analysis, then disposed of in accordance with State and Federal regulations. Sample(s) may be archived by prior arrangement.

Thank you for the opportunity to service the needs of your company.

Sincerely,



Hiram Cueto  
Lab Manager



# Argon Laboratories Sample Receipt Checklist

Client Name: SESI Date & Time Received: 10/29/08 15:00

Project Name: Oxy Big Walt Battery Client Project Number: OXY-07-015

Received By: RE Matrix: Water  Soil

Sample Carrier: Client  Laboratory  Fed Ex  UPS  Other

Argon Labs Project Number: C810007

Shipper Container in good condition? N/A  Yes  No  Samples received in proper containers? Yes  No

Samples received intact? Yes  No

Samples received under refrigeration? Yes  No  Sufficient sample volume for requested tests? Yes  No

Chain of custody present? Yes  No  Samples received within holding time? Yes  No

Chain of Custody signed by all parties? Yes  No  Do samples contain proper preservative? N/A  Yes  No

Chain of Custody matches all sample labels? Yes  No  Do VOA vials contain zero headspace? (None submitted ) Yes  No

**ANY "No" RESPONSE MUST BE DETAILED IN THE COMMENTS SECTION BELOW**

Date Client Contacted: \_\_\_\_\_ Person Contacted: \_\_\_\_\_

Contacted By: \_\_\_\_\_ Subject: \_\_\_\_\_

Comments: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Action Taken: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

### ADDITIONAL TEST(S) REQUEST / OTHER

Contacted By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

Call Received By: \_\_\_\_\_

Comments: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

# argon laboratories

Safety & Environmental Solutions, Inc.  
703 E. Clinton Ave  
Hobbs, NM 88240

Project Number: Oxy-07-015  
Project Name: Oxy Big Walt Battery  
Project Manager: Bob Allen

Work Order No.:  
C810007

## ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SP #1 Area 2	C810007-01	Soil	10/03/08 11:10	10/29/08 15:00
SP #2 Area 2	C810007-02	Soil	10/03/08 11:15	10/29/08 15:00
#1 Surface	C810007-03	Soil	10/27/08 11:05	10/29/08 15:00
#2 Surface	C810007-04	Soil	10/27/08 11:10	10/29/08 15:00
#3 Surface	C810007-05	Soil	10/27/08 11:15	10/29/08 15:00
#4 Surface	C810007-06	Soil	10/27/08 11:20	10/29/08 15:00

QC Officer Approval

Argon Laboratories, Inc.

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Safety & Environmental Solutions, Inc.  
703 E. Clinton Ave  
Hobbs, NM 88240

Project Number: Oxy-07-015  
Project Name: Oxy Big Walt Battery  
Project Manager: Bob Allen

Work Order No.:  
C810007

## ANALYSIS REPORT

Analyte	Result	Reporting Limit	Units	Dilution	Analyzed	Method	Notes
<b>SP #1 Area 2 (C810007-01) Soil</b> Sampled: 10/03/08 11:10 Received: 10/29/08 15:00							
Chloride	450	40	mg/kg	4	11/05/08	EPA 300.0	
<b>SP #2 Area 2 (C810007-02) Soil</b> Sampled: 10/03/08 11:15 Received: 10/29/08 15:00							
Chloride	280	20	mg/kg	2	11/05/08	EPA 300.0	
<b>#1 Surface (C810007-03) Soil</b> Sampled: 10/27/08 11:05 Received: 10/29/08 15:00							
Chloride	96	10	mg/kg	1	11/05/08	EPA 300.0	
<b>#2 Surface (C810007-04) Soil</b> Sampled: 10/27/08 11:10 Received: 10/29/08 15:00							
Chloride	350	40	mg/kg	4	11/05/08	EPA 300.0	
<b>#3 Surface (C810007-05) Soil</b> Sampled: 10/27/08 11:15 Received: 10/29/08 15:00							
Chloride	22	10	mg/kg	1	11/05/08	EPA 300.0	
<b>#4 Surface (C810007-06) Soil</b> Sampled: 10/27/08 11:20 Received: 10/29/08 15:00							
Chloride	130	20	mg/kg	2	11/05/08	EPA 300.0	

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Safety & Environmental Solutions, Inc.  
703 E. Clinton Ave  
Hobbs, NM 88240

Project Number: Oxy-07-015  
Project Name: Oxy Big Walt Battery  
Project Manager: Bob Allen

Work Order No.:  
C810007

**BTEX EPA Method 8021B**

Analyte	Result	Reporting Limit	Units	Dilution	Analyzed	Method	Notes
<b>SP #1 Area 2 (C810007-01) Soil</b>							<b>D-1</b>
Sampled: 10/03/08 11:10 Received: 10/29/08 15:00							
Benzene	ND	0.10	mg/kg	20	11/05/08	8021B	
Toluene	ND	0.10	"	"	"	"	
Ethylbenzene	ND	0.10	"	"	"	"	
Xylenes (total)	ND	0.20	"	"	"	"	
Surr. Rec.:		81 %			"	"	
<b>SP #2 Area 2 (C810007-02) Soil</b>							
Sampled: 10/03/08 11:15 Received: 10/29/08 15:00							
Benzene	ND	0.005	mg/kg	1	11/05/08	8021B	
Toluene	ND	0.005	"	"	"	"	
Ethylbenzene	ND	0.005	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	
Surr. Rec.:		95 %			"	"	
<b>#1 Surface (C810007-03) Soil</b>							<b>D-1</b>
Sampled: 10/27/08 11:05 Received: 10/29/08 15:00							
Benzene	ND	0.025	mg/kg	5	11/05/08	8021B	
Toluene	ND	0.025	"	"	"	"	
Ethylbenzene	ND	0.025	"	"	"	"	
Xylenes (total)	ND	0.050	"	"	"	"	
Surr. Rec.:		100 %			"	"	
<b>#2 Surface (C810007-04) Soil</b>							<b>D-1</b>
Sampled: 10/27/08 11:10 Received: 10/29/08 15:00							
Benzene	ND	0.10	mg/kg	20	11/05/08	8021B	
Toluene	ND	0.10	"	"	"	"	
Ethylbenzene	ND	0.10	"	"	"	"	
Xylenes (total)	ND	0.20	"	"	"	"	
Surr. Rec.:		104 %			"	"	

  
QC Officer Approval

Argon Laboratories, Inc.

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Safety & Environmental Solutions, Inc.  
 703 E. Clinton Ave  
 Hobbs, NM 88240

Project Number: Oxy-07-015  
 Project Name: Oxy Big Walt Battery  
 Project Manager: Bob Allen

Work Order No.:  
 C810007

**BTEX EPA Method 8021B**

Analyte	Result	Reporting Limit	Units	Dilution	Analyzed	Method	Notes
<b>#3 Surface (C810007-05) Soil</b> <b>Sampled: 10/27/08 11:15</b> <b>Received: 10/29/08 15:00</b>							<b>D-1</b>
Benzene	ND	0.025	mg/kg	5	11/05/08	8021B	
Toluene	ND	0.025	"	"	"	"	
Ethylbenzene	ND	0.025	"	"	"	"	
Xylenes (total)	ND	0.050	"	"	"	"	
Surr. Rec.:		119 %			"	"	
<b>#4 Surface (C810007-06) Soil</b> <b>Sampled: 10/27/08 11:20</b> <b>Received: 10/29/08 15:00</b>							<b>D-1</b>
Benzene	ND	0.10	mg/kg	20	11/05/08	8021B	
Toluene	ND	0.10	"	"	"	"	
Ethylbenzene	ND	0.10	"	"	"	"	
Xylenes (total)	ND	0.20	"	"	"	"	
Surr. Rec.:		109 %			"	"	



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 Argon Laboratories, Inc.

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Safety & Environmental Solutions, Inc.  
703 E. Clinton Ave  
Hobbs, NM 88240

Project Number: Oxy-07-015  
Project Name: Oxy Big Walt Battery  
Project Manager: Bob Allen

Work Order No.:  
C810007

## Total Recoverable Petroleum Hydrocarbons with Silica Gel Clean-Up by IR Spectrometry

Analyte	Result	Reporting Limit	Units	Dilution	Analyzed	Method	Notes
<b>SP #1 Area 2 (C810007-01) Soil Sampled: 10/03/08 11:10 Received: 10/29/08 15:00</b>							
Total Petroleum Hydrocarbons	27000	400	mg/kg	20	11/05/08	EPA 418.1	
<b>SP #2 Area 2 (C810007-02) Soil Sampled: 10/03/08 11:15 Received: 10/29/08 15:00</b>							
Total Petroleum Hydrocarbons	25	20	mg/kg	1	11/05/08	EPA 418.1	
<b>#1 Surface (C810007-03) Soil Sampled: 10/27/08 11:05 Received: 10/29/08 15:00</b>							
Total Petroleum Hydrocarbons	970	80	mg/kg	4	11/05/08	EPA 418.1	
<b>#2 Surface (C810007-04) Soil Sampled: 10/27/08 11:10 Received: 10/29/08 15:00</b>							
Total Petroleum Hydrocarbons	22000	400	mg/kg	20	11/05/08	EPA 418.1	
<b>#3 Surface (C810007-05) Soil Sampled: 10/27/08 11:15 Received: 10/29/08 15:00</b>							
Total Petroleum Hydrocarbons	4900	20	mg/kg	1	11/05/08	EPA 418.1	
<b>#4 Surface (C810007-06) Soil Sampled: 10/27/08 11:20 Received: 10/29/08 15:00</b>							
Total Petroleum Hydrocarbons	31000	400	mg/kg	20	11/05/08	EPA 418.1	



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Project Number: Oxy-07-015  
Project Name: Oxy Big Walt Battery  
Project Manager: Bob Allen

Work Order No.:  
C810007

## ANALYSIS REPORT - Quality Control

### Argon Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	RPD	Notes
<b>Batch CR00157 - General Prep</b>								
<b>Blank (CR00157-BLK1)</b>				Prepared & Analyzed: 11/05/08				
Chloride	ND	10	mg/kg					
<b>LCS (CR00157-BS1)</b>				Prepared & Analyzed: 11/05/08				
Chloride	4.50		mg/kg	5.00		90		
<b>LCS Dup (CR00157-BSD1)</b>				Prepared & Analyzed: 11/05/08				
Chloride	4.65		mg/kg	5.00		93	3	
<b>Matrix Spike (CR00157-MS1)</b>				Prepared & Analyzed: 11/05/08				
Chloride	4.25		mg/kg	5.00		85		
<b>Matrix Spike Dup (CR00157-MSD1)</b>				Prepared & Analyzed: 11/05/08				
Chloride	4.05		mg/kg	5.00		81	5	



QC Officer Approval  
Argon Laboratories, Inc.

2126 W. Marland Ave., Hobbs, NM 88240 • Phone (505) 397-0295 • Fax (505) 397-0296

email: info@argonlabs.com

# argon laboratories

Safety & Environmental Solutions, Inc.  
703 E. Clinton Ave  
Hobbs, NM 88240

Project Number: Oxy-07-015  
Project Name: Oxy Big Walt Battery  
Project Manager: Bob Allen

Work Order No.:  
C810007

**BTEX EPA Method 8021B - Quality Control**

**Argon Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	RPD	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-----	-------

**Batch CR00159 - EPA 5030B**

**Blank (CR00159-BLK1)**

Prepared & Analyzed: 11/05/08

<i>Surrogate: a,a,a-Trifluorotoluene</i>	0.0475		mg/kg	0.0500		95		
Benzene	ND	0.005	"					
Toluene	ND	0.005	"					
Ethylbenzene	ND	0.005	"					
Xylenes (total)	ND	0.010	"					

**LCS (CR00159-BS1)**

Prepared & Analyzed: 11/05/08

Benzene	0.048		mg/kg	0.0500		96		
---------	-------	--	-------	--------	--	----	--	--

**LCS Dup (CR00159-BSD1)**

Prepared & Analyzed: 11/05/08

Benzene	0.048		mg/kg	0.0500		96	0	
---------	-------	--	-------	--------	--	----	---	--

**Matrix Spike (CR00159-MS1)**

Prepared & Analyzed: 11/05/08

Toluene	0.045		mg/kg	0.0500		90		
---------	-------	--	-------	--------	--	----	--	--

**Matrix Spike Dup (CR00159-MSD1)**

Prepared & Analyzed: 11/05/08

Toluene	0.043		mg/kg	0.0500		86	5	
---------	-------	--	-------	--------	--	----	---	--

QC Officer Approval

Argon Laboratories, Inc.

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email: info@argonlabs.com

# argon laboratories

Safety & Environmental Solutions, Inc.  
 703 E. Clinton Ave  
 Hobbs, NM 88240

Project Number: Oxy-07-015  
 Project Name: Oxy Big Walt Battery  
 Project Manager: Bob Allen

Work Order No.:  
 C810007

## Total Recoverable Petroleum Hydrocarbons with Silica Gel Clean-Up by IR Spectrometry - Quality Control

### Argon Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	RPD	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-----	-------

#### Batch CR00158 - EPA 3550B

<b>Blank (CR00158-BLK1)</b>				Prepared & Analyzed: 11/05/08				
Total Petroleum Hydrocarbons	ND	20	mg/kg					
<b>LCS (CR00158-BS1)</b>				Prepared & Analyzed: 11/05/08				
Total Petroleum Hydrocarbons	117		mg/kg	100		117		
<b>LCS Dup (CR00158-BSD1)</b>				Prepared & Analyzed: 11/05/08				
Total Petroleum Hydrocarbons	114		mg/kg	100		114	3	
<b>Matrix Spike (CR00158-MS1)</b>				Prepared & Analyzed: 11/05/08				
Total Petroleum Hydrocarbons	103		mg/kg	100		103		
<b>Matrix Spike Dup (CR00158-MSD1)</b>				Prepared & Analyzed: 11/05/08				
Total Petroleum Hydrocarbons	107		mg/kg	100		107	4	

QC Officer Approval  
 Argon Laboratories, Inc.

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email: info@argonlabs.com

# argon laboratories

Safety & Environmental Solutions, Inc.  
703 E. Clinton Ave  
Hobbs, NM 88240

Project Number: Oxy-07-015  
Project Name: Oxy Big Walt Battery  
Project Manager: Bob Allen

Work Order No.:  
C810007

## Notes and Definitions

- D-1 Sample diluted due to high concentration of target analytes and/or high organic content.
- DET Analyte DETECTED
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- dry Sample results reported on a dry weight basis
- RPD Relative Percent Difference

QC Officer Approval

Argon Laboratories, Inc.

2126 W. Marland Ave., Hobbs, NM 88240 • Phone (505) 397-0295 • Fax (505) 397-0296

email: info@argonlabs.com

# argon laboratories

30 June 2008

Bob Allen  
Safety & Environmental Solutions, Inc.  
703 E. Clinton Ave  
Hobbs, NM 88240

RE: Oxy-Big-Wait Battery Project Data

Enclosed are the results for sample(s) received on 06/18/08 15:30 by Argon Laboratories. The sample(s) were analyzed according to instructions in accompanying chain-of-custody. Results are summarized on the following pages.

Please see quality control report for a summary of QC data pertaining to this project.

The sample(s) will be stored for 30 days after completion of analysis, then disposed of in accordance with State and Federal regulations. Sample(s) may be archived by prior arrangement.

Thank you for the opportunity to service the needs of your company.

Sincerely,



Hiram Cueto  
Lab Manager

2126 W. Marland Ave., Hobbs, NM 88240 • Phone (505) 397-0295 • Fax (505) 397-0296  
email: info@argonlabs.com

Argon Labs

IN CUSTODY

1123

C806012

Sample No. OXY-07-015  
 Project Title Oxy BigWalt Battery  
 Location Indian Basin  
 Sampler's Name Brian Cueller

Address SEST  
 703 E. Clinton  
 Hobbs, NM 88240  
 Contact Phone 575-397-0570  
 Fax

Sampler's Signature: 

Client Address

Result	Turn of Sample Time		Standard (5 days)
	24 Hour	18 Hour	
			X

ANALYSIS

TPH x18  
 BTEX  
 C-

Sample ID	Date	Time	Container
#1. Surface	6-18-08	1130	Soil
#2. Surface	6-18-08	1140	Soil
#3. Surface	6-18-08	1150	Soil
#4. Surface	6-18-08	1200	Soil

COMMENTS

-01  
 -02  
 -03  
 -04

Sample ID: B-Cueller  
 Date: 6-18-08  
 Time: 1530  
 Location: Indian Basin  
 Sampler: Brian Cueller  
 Date: 6-18-08  
 Time: 1530

ANMCO6-2606

# Argon Laboratories Sample Receipt Checklist

Client Name: Safety & Environmental Solutions, Inc. Date & Time Received: 06/18/08 15:30

Project Name: Oxy Big Walt Battery Client Project Number: OXY-07-015

Received By: J.E. Matrix: Water  Soil  Sludge

Sample Carrier: Client  Laboratory  Fed Ex  UPS  Other

Argon Labs Project Number: C806012

Shipper Container in good condition? N/A  Yes  No  Samples received in proper containers? Yes  No

Samples received intact? Yes  No

Samples received under refrigeration? Yes  No  Sufficient sample volume for requested tests? Yes  No

Chain of custody present? Yes  No  Samples received within holding time? Yes  No

Chain of Custody signed by all parties? Yes  No  Do samples contain proper preservative? N/A  Yes  No

Chain of Custody matches all sample labels? Yes  No  Do VOA vials contain zero headspace? (None submitted  ) Yes  No

**ANY "No" RESPONSE MUST BE DETAILED IN THE COMMENTS SECTION BELOW**

Date Client Contacted: \_\_\_\_\_ Person Contacted: \_\_\_\_\_

Contacted By: \_\_\_\_\_ Subject: \_\_\_\_\_

Comments:

Action Taken:

ADDITIONAL TEST(S) REQUEST / OTHER

Contacted By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

Call Received By: \_\_\_\_\_

Comments:



**argon laboratories** 2126 W. Marland Ave., Hobbs, NM 88240 (505)397-0295 Fax (505)397-0296

Safety & Environmental Solutions, Inc. 703 E. Clinton Ave Hobbs, NM 88240	Project Number: Oxy-07-015 Project Name: Oxy Big Walt Battery Project Manager: Bob Allen	 Work Order No.: C806012
---	--	---

**ANALYTICAL REPORT FOR SAMPLES**

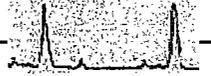
Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
#1 Surface	C806012-01	Soil	06/18/08 11:30	06/18/08 15:30
#2 Surface	C806012-02	Soil	06/18/08 11:40	06/18/08 15:30
#3 Surface	C806012-03	Soil	06/18/08 11:50	06/18/08 15:30
#4 Surface	C806012-04	Soil	06/18/08 12:00	06/18/08 15:30

Approved By  
Argon Laboratories, Inc.

QC Officer



2126 W. Marland Ave., Hobbs, NM 88240 (505)397-0295 Fax (505)397-0296



Safety & Environmental Solutions, Inc.  
703 E. Clinton Ave  
Hobbs, NM 88240

Project Number: Oxy-07-015  
Project Name: Oxy Big Walt Battery  
Project Manager: Bob Allen

Work Order No.:  
C806012

ANALYSIS REPORT

Analyte	Result	Reporting Limit	Units	Dilution	Analyzed	Method	Notes
<b>#1 Surface (C806012-01) Soil</b> Sampled: 06/18/08 11:30 Received: 06/18/08 15:30							
Chloride	74	10	mg/kg	1	06/26/08	EPA 300.0	
<b>#2 Surface (C806012-02) Soil</b> Sampled: 06/18/08 11:40 Received: 06/18/08 15:30							
Chloride	100	10	mg/kg	1	06/26/08	EPA 300.0	
<b>#3 Surface (C806012-03) Soil</b> Sampled: 06/18/08 11:50 Received: 06/18/08 15:30							
Chloride	260	20	mg/kg	2	06/26/08	EPA 300.0	
<b>#4 Surface (C806012-04) Soil</b> Sampled: 06/18/08 12:00 Received: 06/18/08 15:30							
Chloride	170	20	mg/kg	2	06/26/08	EPA 300.0	

Approved By  
Argon Laboratories, Inc.

QC Officer



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Safety & Environmental Solutions, Inc.  
703 E. Clinton Ave  
Hobbs, NM 88240

Project Number: Oxy-07-015  
Project Name: Oxy Big Walt Battery  
Project Manager: Bob Allen

Work Order No.:  
C806012

**BTEX EPA Method 8021B**

Analyte	Result	Reporting Limit	Units	Dilution	Analyzed	Method	Notes
<b>#1 Surface (C806012-01) Soil Sampled: 06/18/08 11:30 Received: 06/18/08 15:30</b>							
Benzene	ND	0.005	mg/kg	1	06/25/08	8021B	
Toluene	ND	0.005	"	"	"	"	
Ethylbenzene	ND	0.005	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	
Surr. Rec.:		91 %			"	"	
<b>#2 Surface (C806012-02) Soil Sampled: 06/18/08 11:40 Received: 06/18/08 15:30</b>							
Benzene	ND	0.005	mg/kg	1	06/25/08	8021B	
Toluene	ND	0.005	"	"	"	"	
Ethylbenzene	ND	0.005	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	
Surr. Rec.:		86 %			"	"	
<b>#3 Surface (C806012-03) Soil Sampled: 06/18/08 11:50 Received: 06/18/08 15:30</b>							
Benzene	ND	0.005	mg/kg	1	06/25/08	8021B	
Toluene	ND	0.005	"	"	"	"	
Ethylbenzene	ND	0.005	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	
Surr. Rec.:		83 %			"	"	
<b>#4 Surface (C806012-04) Soil Sampled: 06/18/08 12:00 Received: 06/18/08 15:30</b>							
Benzene	ND	0.005	mg/kg	1	06/25/08	8021B	
Toluene	ND	0.005	"	"	"	"	
Ethylbenzene	ND	0.005	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	
Surr. Rec.:		97 %			"	"	

Approved By  
Argon Laboratories, Inc.

QC Officer



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Safety & Environmental Solutions, Inc.  
703 E. Clinton Ave  
Hobbs, NM 88240

Project Number: Oxy-07-015  
Project Name: Oxy Big Walt Battery  
Project Manager: Bob Allen

Work Order No.:  
C806012

**Total Recoverable Petroleum Hydrocarbons with Silica Gel Clean-Up by IR Spectrometry**

Analyte	Result	Reporting Limit	Units	Dilution	Analyzed	Method	Notes
<b>#1 Surface (C806012-01) Soil</b> Sampled: 06/18/08 11:30 Received: 06/18/08 15:30							
Total Petroleum Hydrocarbons	47000	1000	mg/kg	50	06/26/08	EPA 418.1	
<b>#2 Surface (C806012-02) Soil</b> Sampled: 06/18/08 11:40 Received: 06/18/08 15:30							
Total Petroleum Hydrocarbons	44000	1000	mg/kg	50	06/26/08	EPA 418.1	
<b>#3 Surface (C806012-03) Soil</b> Sampled: 06/18/08 11:50 Received: 06/18/08 15:30							
Total Petroleum Hydrocarbons	31000	400	mg/kg	20	06/26/08	EPA 418.1	
<b>#4 Surface (C806012-04) Soil</b> Sampled: 06/18/08 12:00 Received: 06/18/08 15:30							
Total Petroleum Hydrocarbons	26000	400	mg/kg	20	06/26/08	EPA 418.1	

Approved By  
Argon Laboratories, Inc.

QC Officer

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Safety & Environmental Solutions, Inc.  
703 E. Clinton Ave  
Hobbs, NM 88240

Project Number: Oxy-07-015  
Project Name: Oxy Big Walt Battery  
Project Manager: Bob Allen

Work Order No.:  
C806012

**ANALYSIS REPORT - Quality Control**

**Argon Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	RPD	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-----	-------

**Batch CR00096 - General Prep**

<b>Blank (CR00096-BLK1)</b>				Prepared & Analyzed: 06/26/08				
Chloride	ND	10	mg/kg					
<b>LCS (CR00096-BS1)</b>				Prepared & Analyzed: 06/26/08				
Chloride	5.00		mg/kg	5.00		100		
<b>LCS Dup (CR00096-BSD1)</b>				Prepared & Analyzed: 06/26/08				
Chloride	5.55		mg/kg	5.00		111	10	
<b>Matrix Spike (CR00096-MS1)</b>				Prepared & Analyzed: 06/26/08				
Chloride	4.85		mg/kg	5.00		97		
<b>Matrix Spike Dup (CR00096-MSD1)</b>				Prepared & Analyzed: 06/26/08				
Chloride	4.95		mg/kg	5.00		99	2	

Approved By  
Argon Laboratories, Inc.

QC Officer

**argon laboratories** 2126 W. Marland Ave., Hobbs, NM 88240 (505)397-0295 Fax (505)397-0296



Safety & Environmental Solutions, Inc. 703 E. Clinton Ave Hobbs, NM 88240	Project Number: Oxy-07-015 Project Name: Oxy Big Walt Battery Project Manager: Bob Allen	Work Order No.: C806012
---	--	----------------------------

**BTEX EPA Method 8021B - Quality Control**

**Argon Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	RPD	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-----	-------

**Batch: CR00097 - EPA 5030B**

**Blank (CR00097-BLK1)**

Prepared & Analyzed: 06/25/08

Surrogate: a,a,a-Trifluorotoluene	0.0430		mg/kg	0.0500		86		
Benzene	ND	0.005	"					
Toluene	ND	0.005	"					
Ethylbenzene	ND	0.005	"					
Xylenes (total)	ND	0.010	"					

**LCS (CR00097-BS1)**

Prepared & Analyzed: 06/25/08

Toluene	0.043		mg/kg	0.0500		86		
---------	-------	--	-------	--------	--	----	--	--

**LCS Dup (CR00097-BSD1)**

Prepared & Analyzed: 06/25/08

Toluene	0.041		mg/kg	0.0500		82	5	
---------	-------	--	-------	--------	--	----	---	--

**Matrix Spike (CR00097-MS1)**

Prepared & Analyzed: 06/25/08

Benzene	0.051		mg/kg	0.0500		102		
---------	-------	--	-------	--------	--	-----	--	--

**Matrix Spike Dup (CR00097-MSD1)**

Prepared & Analyzed: 06/25/08

Benzene	0.043		mg/kg	0.0500		86	17	
---------	-------	--	-------	--------	--	----	----	--

Approved By  
Argon Laboratories, Inc.

QC Officer



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Safety & Environmental Solutions, Inc.

703 E. Clinton Ave

Hobbs, NM 88240

Project Number: Oxy-07-015

Project Name: Oxy Big Walt Battery

Project Manager: Bob Allen

Work Order No.:

C806012

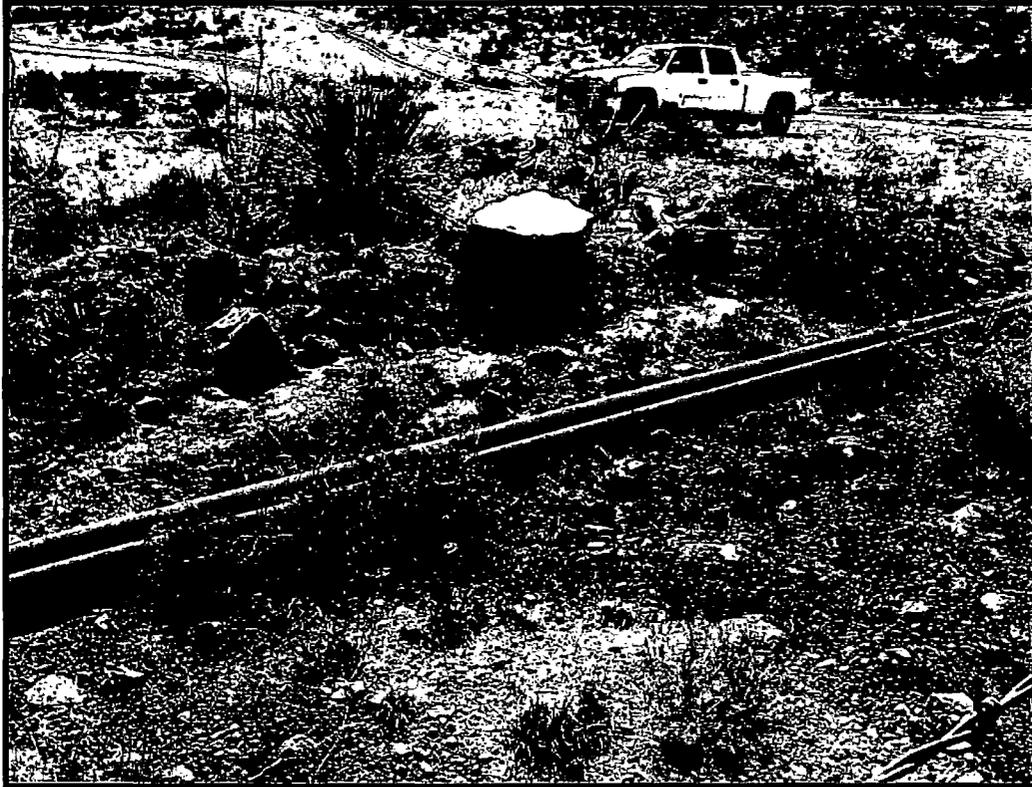
**Notes and Definitions**

- DET Analyte DETECTED
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- dry Sample results reported on a dry weight basis
- RPD Relative Percent Difference

Approved By  
Argon Laboratories, Inc.

QC Officer

**Appendix B  
Site Photos**



Top of hill facing south



Inside fenced area below berm facing south



Inside fenced area below berm facing south



Berm facing south



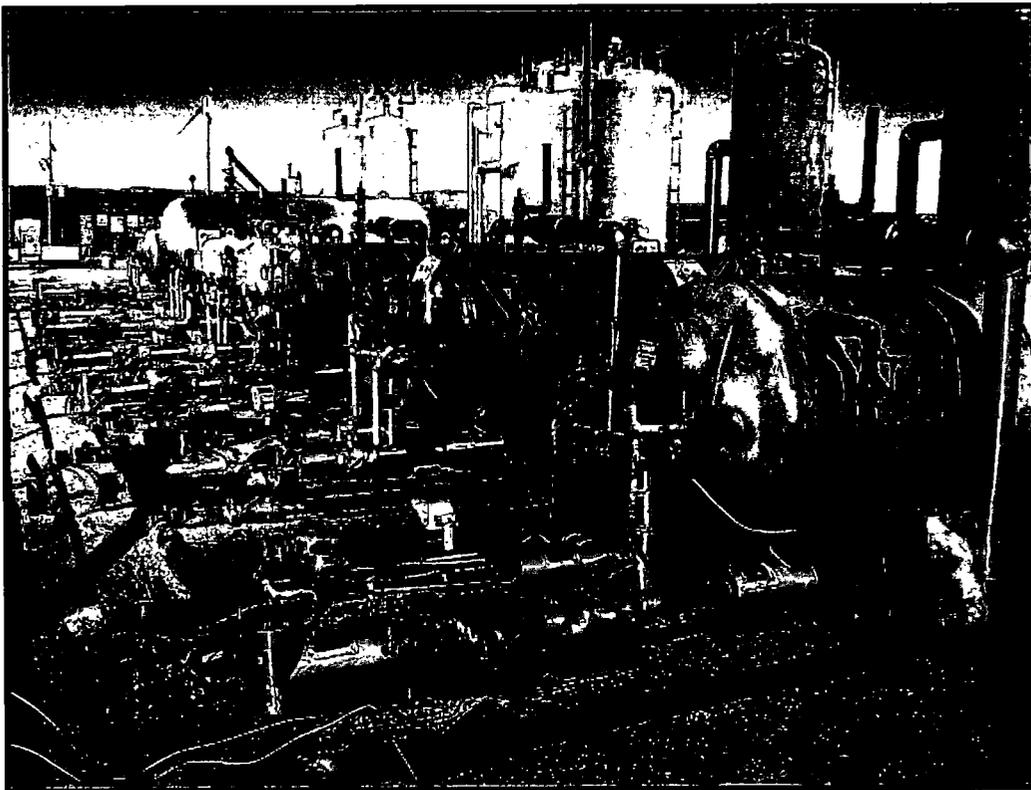
Seperators facing south



Seperators facing south



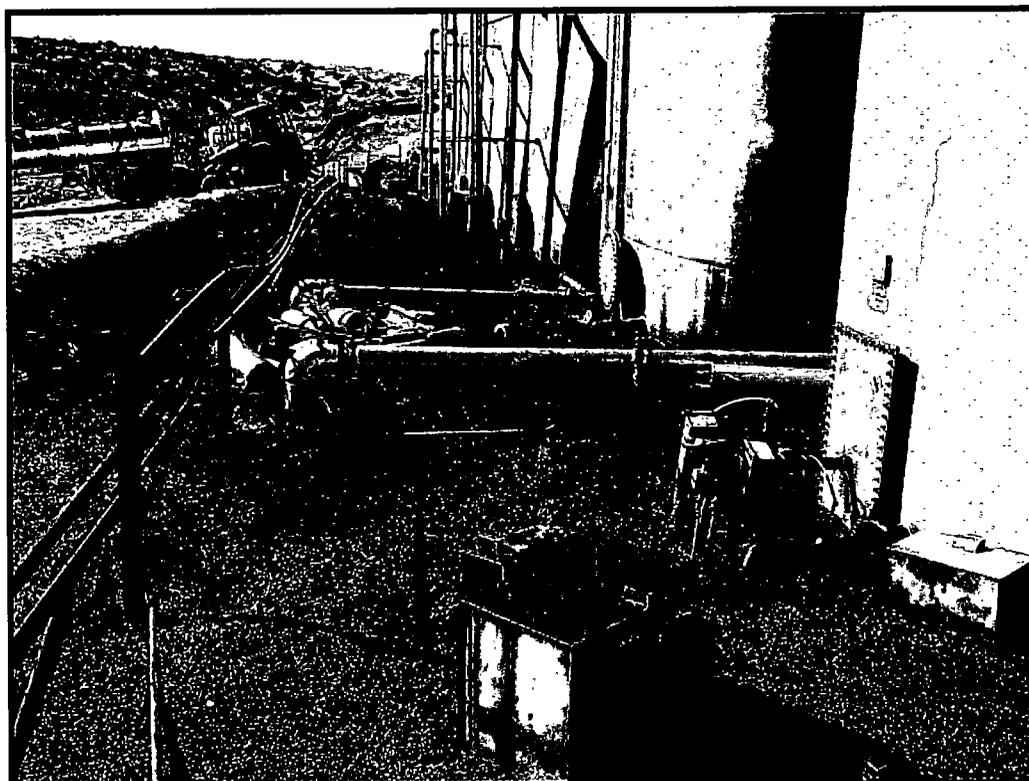
Seperators



Seperators facing west



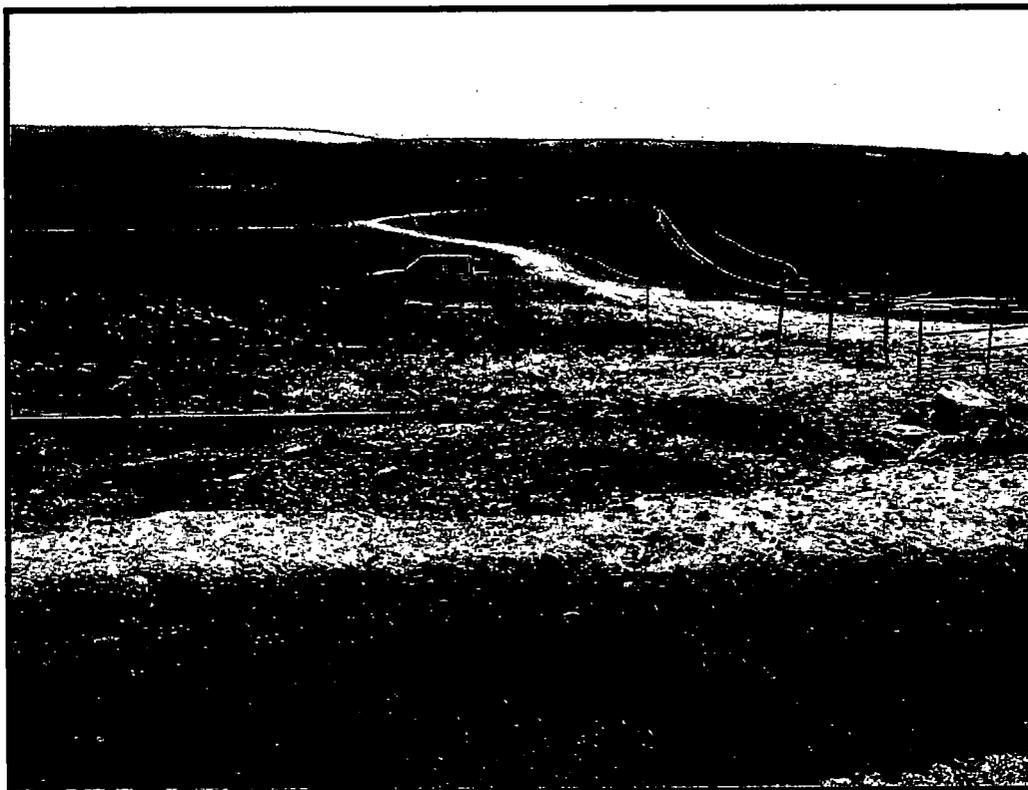
West side of tanks facing south



East side of tanks facing south



Gun barrel facing north



Impacted area facing east



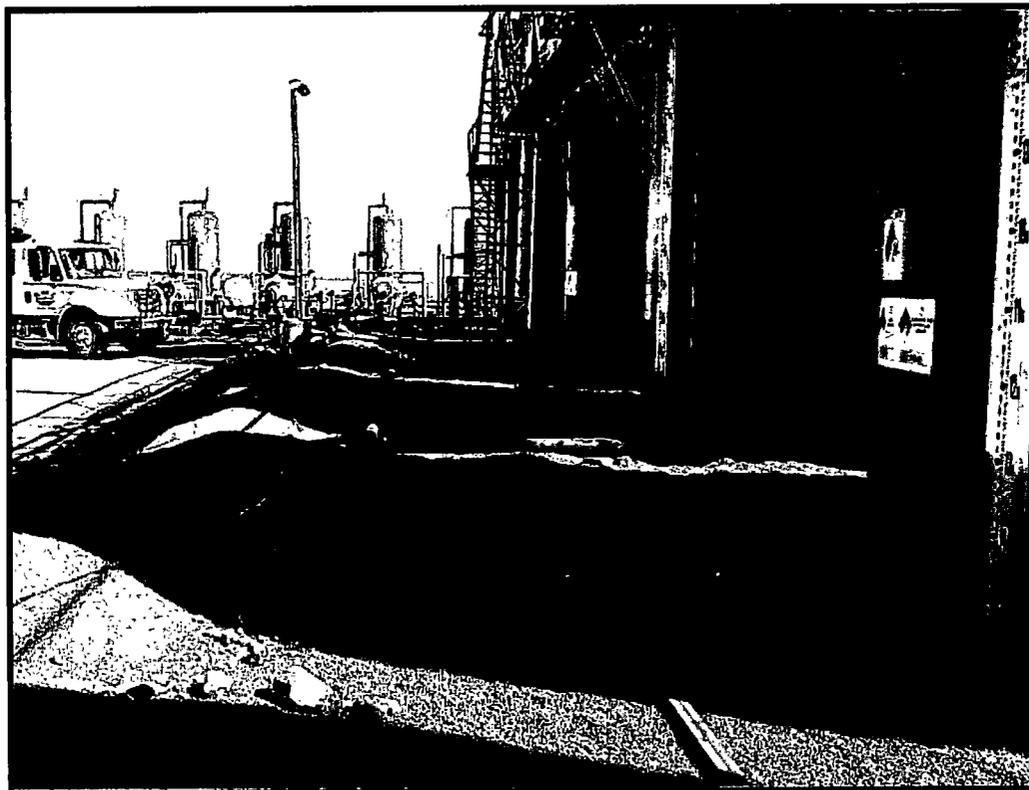
Impacted area facing east



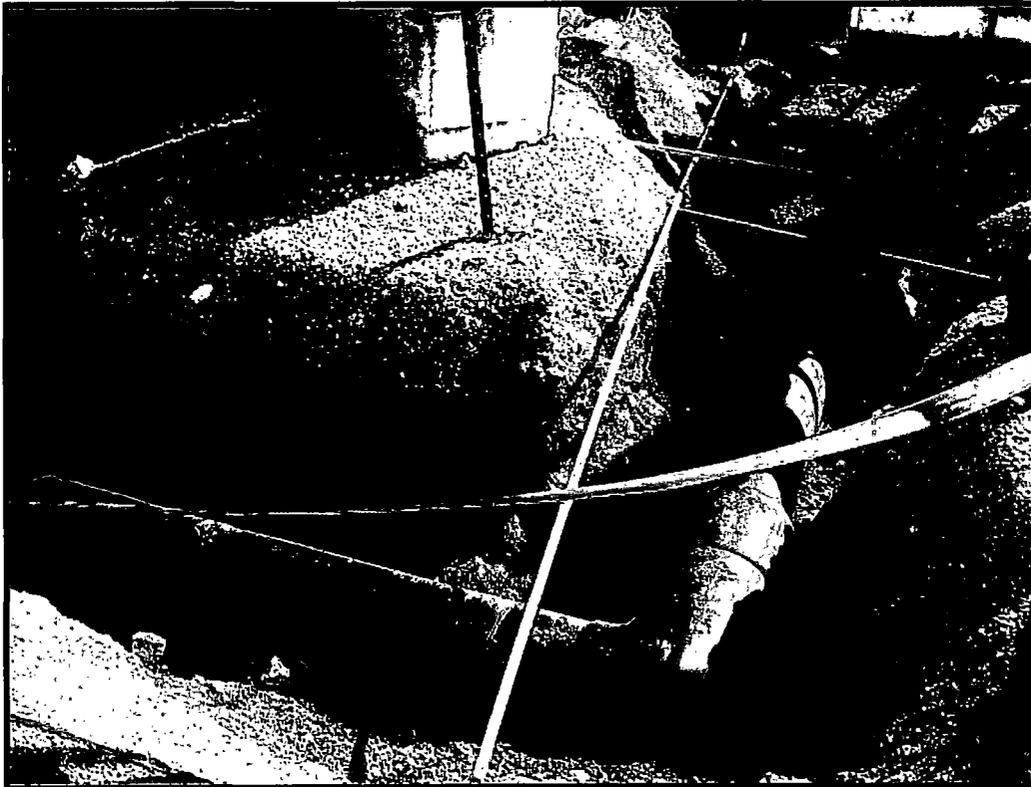
East side of tank berm



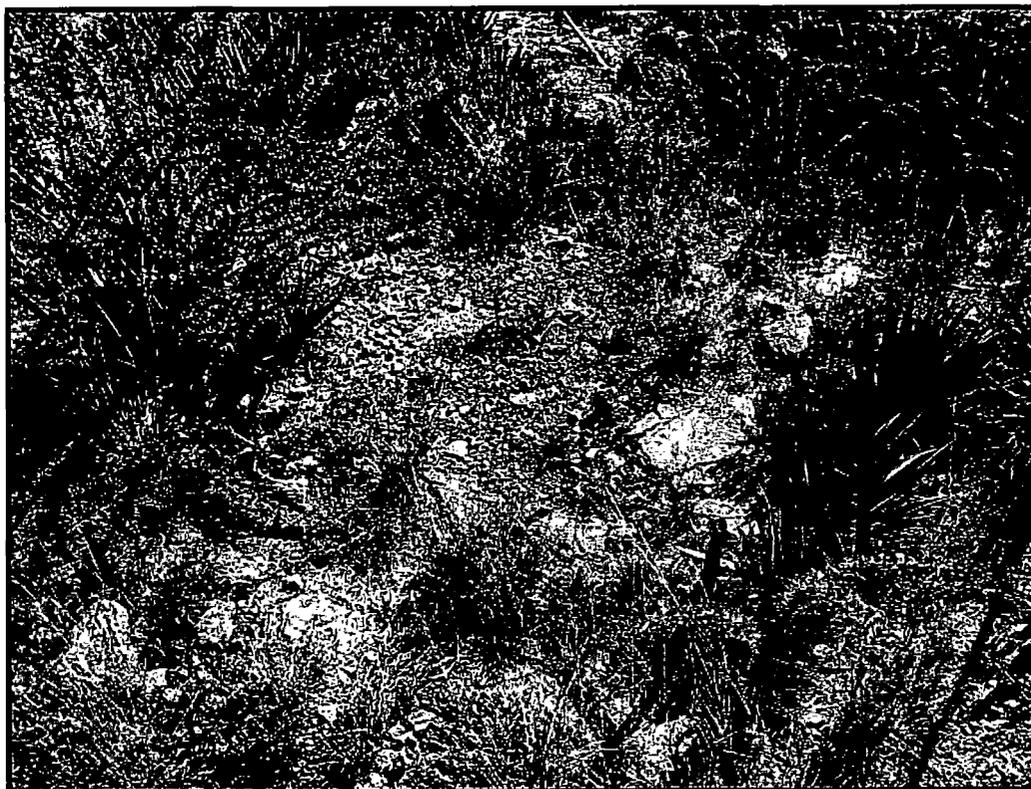
East side of tank area facing north



West side of tank facing north



South of tank were line broke



Pasture



Pasture



Pasture facing west



Pasture facing west



Pasture facing west



Pasture facing north



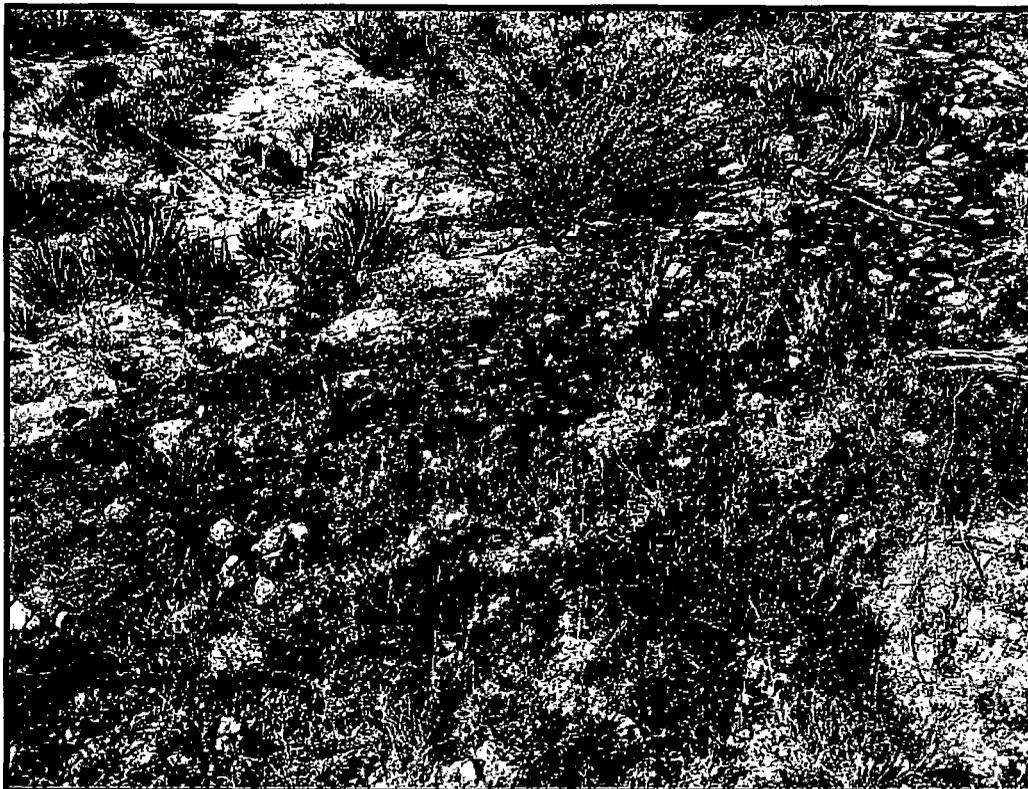
Pasture facing east



Pasture facing west



Pasture facing west



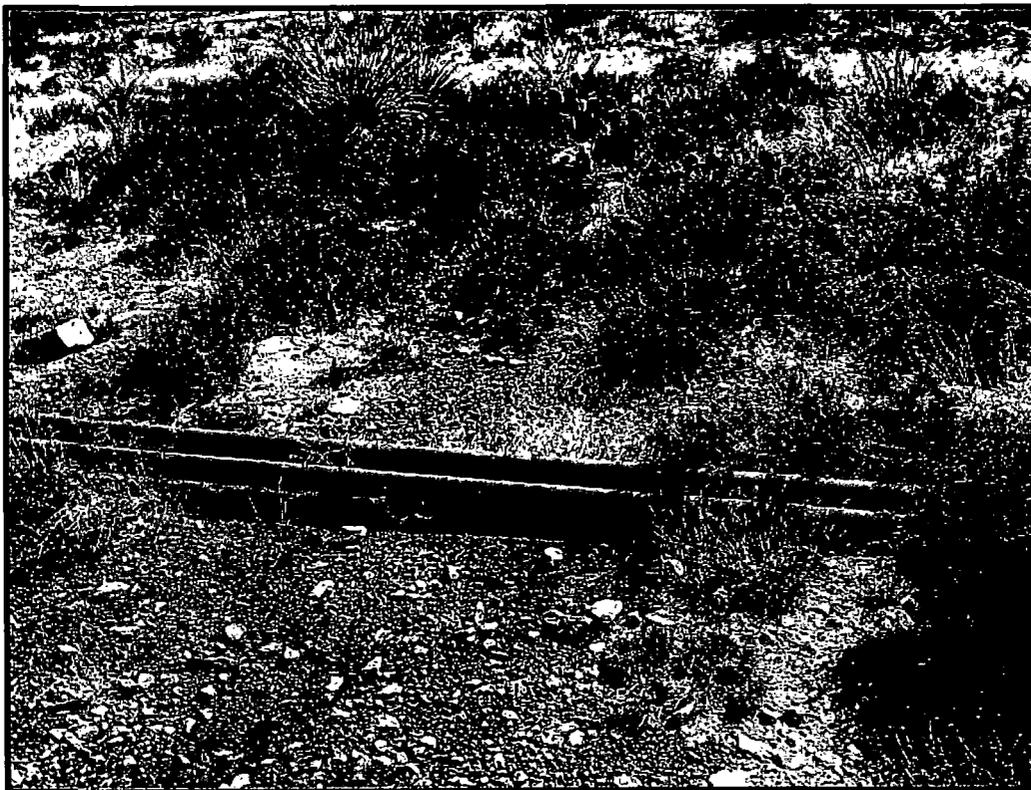
Pasture



Pasture



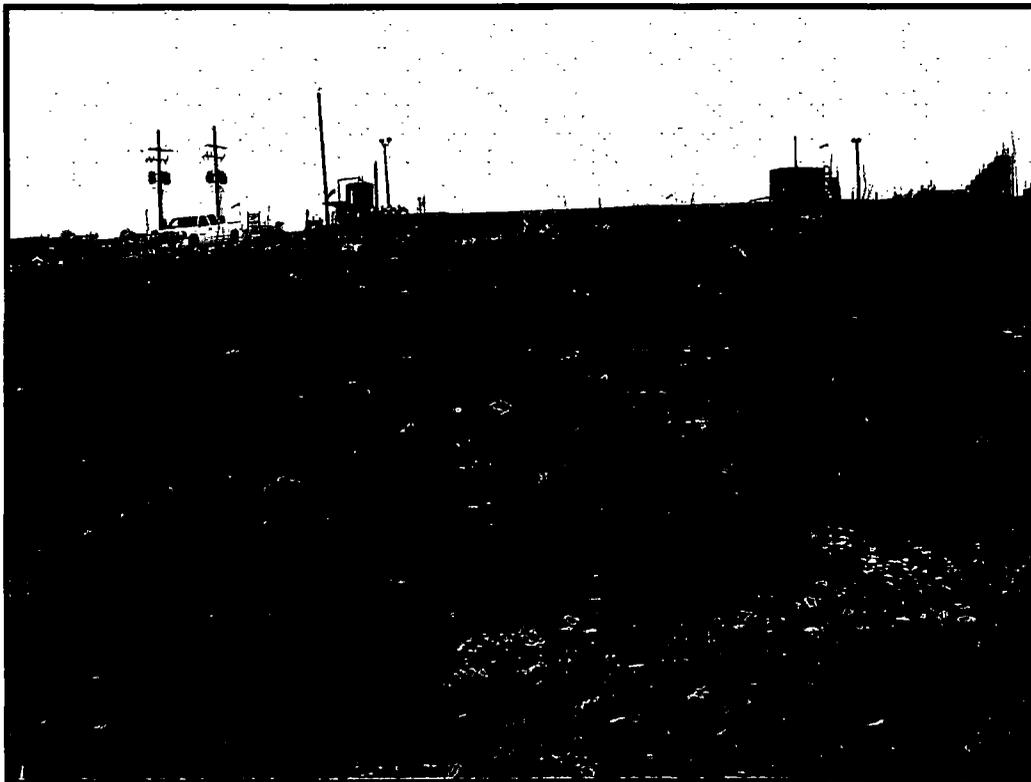
Roadway facing west



Pasture



Pasture after micro-blaze



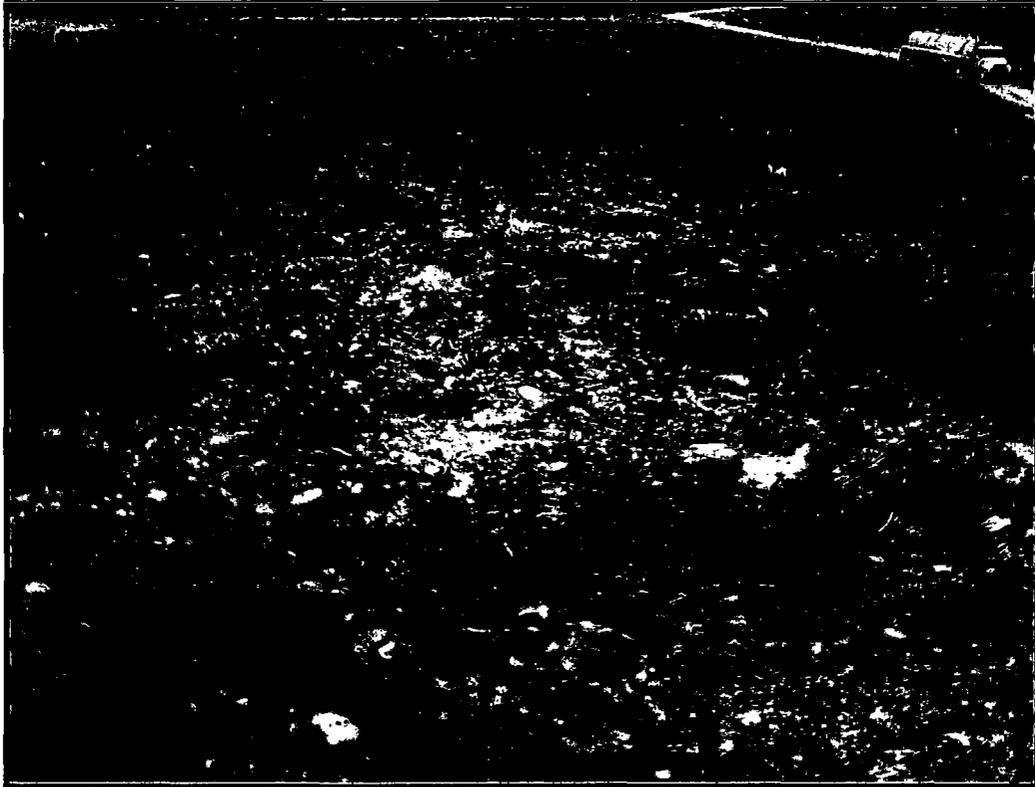
Pasture after micro-blaze facing west



Pasture after micro-blaze facing east



Pasture after micro-blaze facing southeast



Pasture after micro-blaze facing est



Pasture

October 28, 2008



Hillside facing east



Hillside facing west



Hillside



Hillside facing south



Hillside facing east



Hillside facing southeast



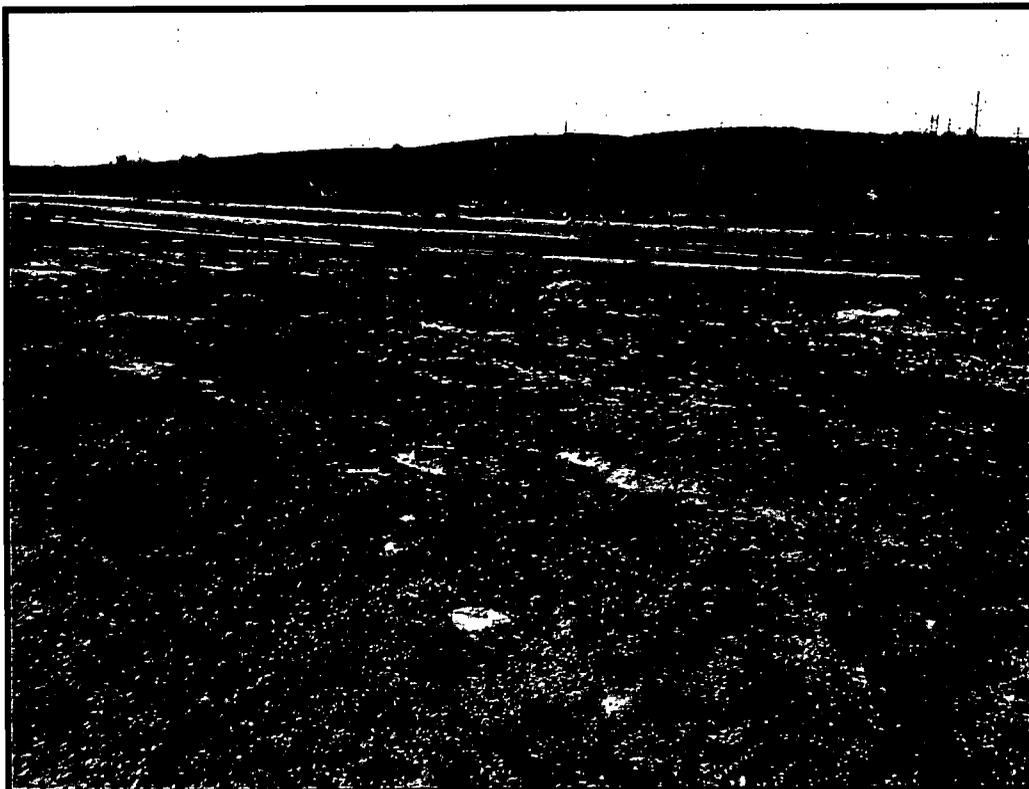
Hillside facing east



Hillside facing northeast



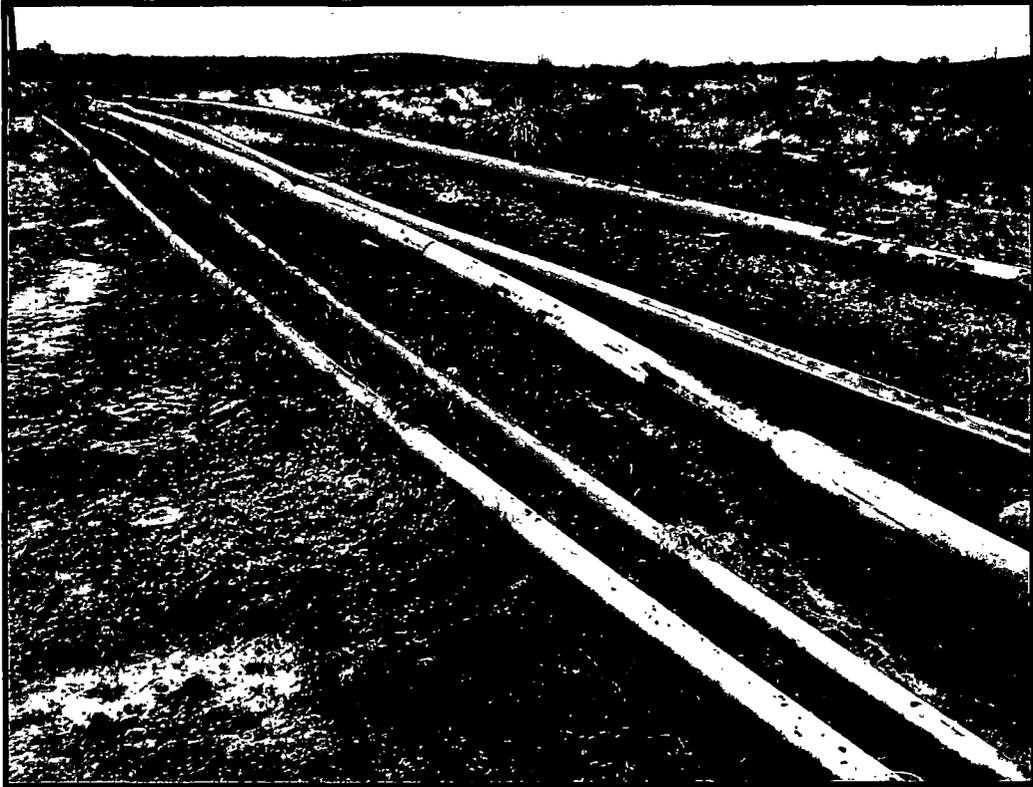
Hillside facing east



Release area facing west



Release area east side of road facing northeast



Release area facing southwest



Release area facing east

# argon laboratories

06 November 2008

Bob Allen  
Safety & Environmental Solutions, Inc.  
703 E. Clinton Ave  
Hobbs, NM 88240

RE: Oxy Big Wall Battery Project Data

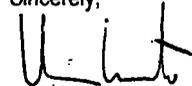
Enclosed are the results for sample(s) received on 10/29/08 15:00 by Argon Laboratories. The sample(s) were analyzed according to instructions in accompanying chain-of-custody. Results are summarized on the following pages.

Please see quality control report for a summary of QC data pertaining to this project.

The sample(s) will be stored for 30 days after completion of analysis, then disposed of in accordance with State and Federal regulations. Sample(s) may be archived by prior arrangement.

Thank you for the opportunity to service the needs of your company.

Sincerely,



Hiram Cueto  
Lab Manager

2126 W. Marland Ave., Hobbs, NM 88240 • Phone (505) 397-0295 • Fax (505) 397-0296  
email: info@argonlabs.com

# Argon Labs

2126 W. Marland Ave Hobbs, NM 88240  
 (505)397-0295 (505)397-0296 info@argonlabs.com

## CHAIN OF CUSTODY

1169

Project No: <b>OXY 7205</b> Project Title: <b>Oxy Big Well Battery</b> Location: <b>Carlshed, NM</b>		Client: <b>SEST</b> Address: <b>703 E Clinton Hobbs, nm 88240</b> Contact: <b>(575)397-0510</b> Phone: <b>(575)397-0510</b> Fax:		Bill To: Client: <b>SAME</b> Address:	
Sampler's Name: <b>Isaac Kincaid</b> (print)		ANALYSIS			
Sampler's Signature: 		SPECIAL INSTRUCTIONS:			
RUSH <input type="checkbox"/>		TURN AROUND TIME 24 Hour <input type="checkbox"/> 48 Hour <input type="checkbox"/> other <input type="checkbox"/>		Standard (5 days) <input checked="" type="checkbox"/>	
Sample ID.	Date	Time	# Containers	Matrix	COMMENTS
SP #1 area 2	10/3/08	1110	1	Soil	✓
SP #2 area 2	10/3/08	1115	1	Soil	✓
#1 surface	10/27/08	1105	1	Soil	✓
#2 surface	10/27/08	1110	1	Soil	✓
#3 surface	10/27/08	1115	1	Soil	✓
#4 surface	10/27/08	1120	1	Soil	✓
Relinquished By: 		Date:	10/29/08	Time:	1500
Relinquished By:		Date:		Time:	
Relinquished By:		Date:		Time:	
Received By: <b>Ken Galloway</b>		Date:	10-29-08	Time:	1500
Received By:		Date:		Time:	
Received By:		Date:		Time:	

# Argon Laboratories Sample Receipt Checklist

Client Name: SESI Date & Time Received: 10/29/08 15:00

Project Name: Oxy Big Walt Battery Client Project Number: OXY-07-015

Received By: R.E. Matrix: Water  Soil  Sludge

Sample Carrier: Client  Laboratory  Fed Ex  UPS  Other

Argon Labs Project Number: C810007

Shipper Container in good condition? N/A  Yes  No  Samples received in proper containers? Yes  No

Samples received under refrigeration? Yes  No  Samples received intact? Yes  No

Chain of custody present? Yes  No  Sufficient sample volume for requested tests? Yes  No

Chain of Custody signed by all parties? Yes  No  Samples received within holding time? Yes  No

Chain of Custody matches all sample labels? Yes  No  Do samples contain proper preservative? N/A  Yes  No

Do VOA vials contain zero headspace? (None submitted ) Yes  No

ANY "No" RESPONSE MUST BE DETAILED IN THE COMMENTS SECTION BELOW

Date Client Contacted: \_\_\_\_\_ Person Contacted: \_\_\_\_\_

Contacted By: \_\_\_\_\_ Subject: \_\_\_\_\_

Comments:

Action Taken:

ADDITIONAL TEST(S) REQUEST / OTHER

Contacted By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

Call Received By: \_\_\_\_\_

Comments:



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Safety & Environmental Solutions, Inc.  
703 E. Clinton Ave  
Hobbs, NM 88240

Project Number: Oxy-07-015  
Project Name: Oxy Big Walt Battery  
Project Manager: Bob Allen



Work Order No.:  
C810007

**ANALYTICAL REPORT FOR SAMPLES**

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SP #1 Area 2	C810007-01	Soil	10/03/08 11:10	10/29/08 15:00
SP #2 Area 2	C810007-02	Soil	10/03/08 11:15	10/29/08 15:00
#1 Surface	C810007-03	Soil	10/27/08 11:05	10/29/08 15:00
#2 Surface	C810007-04	Soil	10/27/08 11:10	10/29/08 15:00
#3 Surface	C810007-05	Soil	10/27/08 11:15	10/29/08 15:00
#4 Surface	C810007-06	Soil	10/27/08 11:20	10/29/08 15:00

Approved By  
Argon Laboratories, Inc.

QC Officer

**argon laboratories**

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Safety & Environmental Solutions, Inc. 703 E. Clinton Ave Hobbs, NM 88240	Project Number: Oxy-07-015 Project Name: Oxy Big Walt Battery Project Manager: Bob Allen	Work Order No.: <b>C810007</b>
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**ANALYSIS REPORT**

Analyte	Result	Reporting Limit	Units	Dilution	Analyzed	Method	Notes
<b>SP #1 Area 2 (C810007-01) Soil Sampled: 10/03/08 11:10 Received: 10/29/08 15:00</b>							
Chloride	450	40	mg/kg	4	11/05/08	EPA 300.0	
<b>SP #2 Area 2 (C810007-02) Soil Sampled: 10/03/08 11:15 Received: 10/29/08 15:00</b>							
Chloride	280	20	mg/kg	2	11/05/08	EPA 300.0	
<b>#1 Surface (C810007-03) Soil Sampled: 10/27/08 11:05 Received: 10/29/08 15:00</b>							
Chloride	96	10	mg/kg	1	11/05/08	EPA 300.0	
<b>#2 Surface (C810007-04) Soil Sampled: 10/27/08 11:10 Received: 10/29/08 15:00</b>							
Chloride	350	40	mg/kg	4	11/05/08	EPA 300.0	
<b>#3 Surface (C810007-05) Soil Sampled: 10/27/08 11:15 Received: 10/29/08 15:00</b>							
Chloride	22	10	mg/kg	1	11/05/08	EPA 300.0	
<b>#4 Surface (C810007-06) Soil Sampled: 10/27/08 11:20 Received: 10/29/08 15:00</b>							
Chloride	130	20	mg/kg	2	11/05/08	EPA 300.0	

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Safety & Environmental Solutions, Inc. 703 E. Clinton Ave Hobbs, NM 88240	Project Number: Oxy-07-015 Project Name: Oxy Big Walt Battery Project Manager: Bob Allen	Work Order No.: C810007
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**BTEX EPA Method 8021B**

Analyte	Result	Reporting Limit	Units	Dilution	Analyzed	Method	Notes
<b>SP #1 Area 2 (C810007-01) Soil Sampled: 10/03/08 11:10 Received: 10/29/08 15:00</b>							
Benzene	ND	0.10	mg/kg	20	11/05/08	8021B	
Toluene	ND	0.10	"	"	"	"	
Ethylbenzene	ND	0.10	"	"	"	"	
Xylenes (total)	ND	0.20	"	"	"	"	
Surr. Rec.:		81 %			"	"	
<b>SP #2 Area 2 (C810007-02) Soil Sampled: 10/03/08 11:15 Received: 10/29/08 15:00</b>							
Benzene	ND	0.005	mg/kg	1	11/05/08	8021B	
Toluene	ND	0.005	"	"	"	"	
Ethylbenzene	ND	0.005	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	
Surr. Rec.:		95 %			"	"	
<b>#1 Surface (C810007-03) Soil Sampled: 10/27/08 11:05 Received: 10/29/08 15:00</b>							
Benzene	ND	0.025	mg/kg	5	11/05/08	8021B	
Toluene	ND	0.025	"	"	"	"	
Ethylbenzene	ND	0.025	"	"	"	"	
Xylenes (total)	ND	0.050	"	"	"	"	
Surr. Rec.:		100 %			"	"	
<b>#2 Surface (C810007-04) Soil Sampled: 10/27/08 11:10 Received: 10/29/08 15:00</b>							
Benzene	ND	0.10	mg/kg	20	11/05/08	8021B	
Toluene	ND	0.10	"	"	"	"	
Ethylbenzene	ND	0.10	"	"	"	"	
Xylenes (total)	ND	0.20	"	"	"	"	
Surr. Rec.:		104 %			"	"	

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Safety & Environmental Solutions, Inc. 703 E. Clinton Ave Hobbs, NM 88240	Project Number: Oxy-07-015 Project Name: Oxy Big Walt Battery Project Manager: Bob Allen	Work Order No.: C810007
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**BTEX EPA Method 8021B**

Analyte	Result	Reporting Limit	Units	Dilution	Analyzed	Method	Notes
<b>#3 Surface (C810007-05) Soil Sampled: 10/27/08 11:15 Received: 10/29/08 15:00</b>							
Benzene	ND	0.025	mg/kg	5	11/05/08	8021B	
Toluene	ND	0.025	"	"	"	"	
Ethylbenzene	ND	0.025	"	"	"	"	
Xylenes (total)	ND	0.050	"	"	"	"	
Surr. Rec.:		119 %			"	"	
<b>#4 Surface (C810007-06) Soil Sampled: 10/27/08 11:20 Received: 10/29/08 15:00</b>							
Benzene	ND	0.10	mg/kg	20	11/05/08	8021B	
Toluene	ND	0.10	"	"	"	"	
Ethylbenzene	ND	0.10	"	"	"	"	
Xylenes (total)	ND	0.20	"	"	"	"	
Surr. Rec.:		109 %			"	"	

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Safety & Environmental Solutions, Inc. 703 E. Clinton Ave Hobbs, NM 88240	Project Number: Oxy-07-015 Project Name: Oxy Big Walt Battery Project Manager: Bob Allen	Work Order No.: C810007
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**Total Recoverable Petroleum Hydrocarbons with Silica Gel Clean-Up by IR Spectrometry**

Analyte	Result	Reporting Limit	Units	Dilution	Analyzed	Method	Notes
<b>SP #1 Area 2 (C810007-01) Soil</b> Sampled: 10/03/08 11:10 Received: 10/29/08 15:00							
<b>Total Petroleum Hydrocarbons</b>	27000	400	mg/kg	20	11/05/08	EPA 418.1	
<b>SP #2 Area 2 (C810007-02) Soil</b> Sampled: 10/03/08 11:15 Received: 10/29/08 15:00							
<b>Total Petroleum Hydrocarbons</b>	25	20	mg/kg	1	11/05/08	EPA 418.1	
<b>#1 Surface (C810007-03) Soil</b> Sampled: 10/27/08 11:05 Received: 10/29/08 15:00							
<b>Total Petroleum Hydrocarbons</b>	970	80	mg/kg	4	11/05/08	EPA 418.1	
<b>#2 Surface (C810007-04) Soil</b> Sampled: 10/27/08 11:10 Received: 10/29/08 15:00							
<b>Total Petroleum Hydrocarbons</b>	22000	400	mg/kg	20	11/05/08	EPA 418.1	
<b>#3 Surface (C810007-05) Soil</b> Sampled: 10/27/08 11:15 Received: 10/29/08 15:00							
<b>Total Petroleum Hydrocarbons</b>	4900	20	mg/kg	1	11/05/08	EPA 418.1	
<b>#4 Surface (C810007-06) Soil</b> Sampled: 10/27/08 11:20 Received: 10/29/08 15:00							
<b>Total Petroleum Hydrocarbons</b>	31000	400	mg/kg	20	11/05/08	EPA 418.1	

Approved By  
Argon Laboratories, Inc.

QC Officer

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Safety & Environmental Solutions, Inc. 703 E. Clinton Ave Hobbs, NM 88240	Project Number: Oxy-07-015 Project Name: Oxy Big Walt Battery Project Manager: Bob Allen	Work Order No.: C810007
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**ANALYSIS REPORT - Quality Control**

**Argon Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	RPD	Notes
<b>Batch CR00157 - General Prep</b>								
<b>Blank (CR00157-BLK1)</b>				Prepared & Analyzed: 11/05/08				
Chloride	ND	10	mg/kg					
<b>LCS (CR00157-BS1)</b>				Prepared & Analyzed: 11/05/08				
Chloride	4.50		mg/kg	5.00		90		
<b>LCS Dup (CR00157-BSD1)</b>				Prepared & Analyzed: 11/05/08				
Chloride	4.65		mg/kg	5.00		93	3	
<b>Matrix Spike (CR00157-MS1)</b>				Prepared & Analyzed: 11/05/08				
Chloride	4.25		mg/kg	5.00		85		
<b>Matrix Spike Dup (CR00157-MSD1)</b>				Prepared & Analyzed: 11/05/08				
Chloride	4.05		mg/kg	5.00		81	5	

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Safety & Environmental Solutions, Inc. 703 E. Clinton Ave Hobbs, NM 88240	Project Number: Oxy-07-015 Project Name: Oxy Big Walt Battery Project Manager: Bob Allen	Work Order No.: C810007
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**BTEX EPA Method 8021B - Quality Control**

**Argon Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	RPD	Notes
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**Batch CR00159 - EPA 5030B**

<b>Blank (CR00159-BLK1)</b>		Prepared & Analyzed: 11/05/08						
Surrogate: <i>a,a,a</i> -Trifluorotoluene	0.0475		mg/kg	0.0500		95		
Benzene	ND	0.005	"					
Toluene	ND	0.005	"					
Ethylbenzene	ND	0.005	"					
Xylenes (total)	ND	0.010	"					
<b>LCS (CR00159-BS1)</b>		Prepared & Analyzed: 11/05/08						
Benzene	0.048		mg/kg	0.0500		96		
<b>LCS Dup (CR00159-BSD1)</b>		Prepared & Analyzed: 11/05/08						
Benzene	0.048		mg/kg	0.0500		96	0	
<b>Matrix Spike (CR00159-MS1)</b>		Prepared & Analyzed: 11/05/08						
Toluene	0.045		mg/kg	0.0500		90		
<b>Matrix Spike Dup (CR00159-MSD1)</b>		Prepared & Analyzed: 11/05/08						
Toluene	0.043		mg/kg	0.0500		86	5	

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Safety & Environmental Solutions, Inc.  
703 E. Clinton Ave  
Hobbs, NM 88240

Project Number: Oxy-07-015  
Project Name: Oxy Big Walt Battery  
Project Manager: Bob Allen



Work Order No.:  
C810007

**Total Recoverable Petroleum Hydrocarbons with Silica Gel Clean-Up by IR Spectrometry - Quality Control**

**Argon Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	RPD	Notes
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**Batch CR00158 - EPA 3550B**

<b>Blank (CR00158-BLK1)</b>				Prepared & Analyzed: 11/05/08				
Total Petroleum Hydrocarbons	ND	20	mg/kg					
<b>LCS (CR00158-BS1)</b>				Prepared & Analyzed: 11/05/08				
Total Petroleum Hydrocarbons	117		mg/kg	100		117		
<b>LCS Dup (CR00158-BSD1)</b>				Prepared & Analyzed: 11/05/08				
Total Petroleum Hydrocarbons	114		mg/kg	100		114	3	
<b>Matrix Spike (CR00158-MS1)</b>				Prepared & Analyzed: 11/05/08				
Total Petroleum Hydrocarbons	103		mg/kg	100		103		
<b>Matrix Spike Dup (CR00158-MSD1)</b>				Prepared & Analyzed: 11/05/08				
Total Petroleum Hydrocarbons	107		mg/kg	100		107	4	

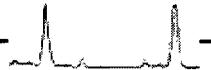
Approved By  
Argon Laboratories, Inc.

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Safety & Environmental Solutions, Inc.  
703 E. Clinton Ave  
Hobbs, NM 88240

Project Number: Oxy-07-015  
Project Name: Oxy Big Walt Battery  
Project Manager: Bob Allen



Work Order No.:  
C810007

**Notes and Definitions**

- D-1 Sample diluted due to high concentration of target analytes and/or high organic content.
- DET Analyte DETECTED
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- dry Sample results reported on a dry weight basis
- RPD Relative Percent Difference

Approved By  
Argon Laboratories, Inc.

QC Officer



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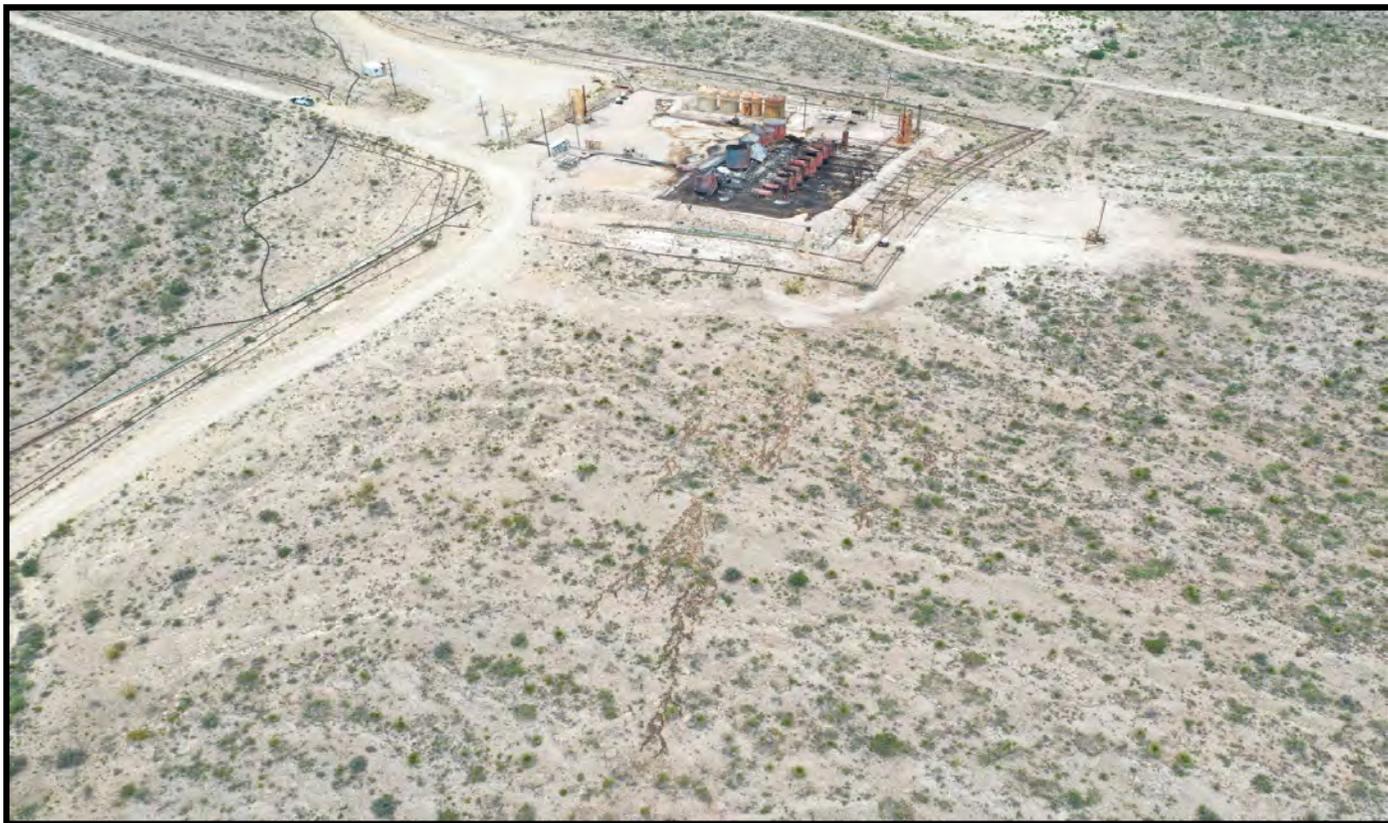
## APPENDIX C

### Photographic Documentation

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View of initial release, facing north.



View of initial release, facing west.

**Unnamed Road, Carlsbad, NM 88220, USA**

☉ 274°W (T) • 32.422695, -104.460746 ±5 m ▲ 1166 m



09 Aug 2022, 12:24:12

View of release area during excavation activities, facing west.

**Unnamed Road, Carlsbad, NM 88220, USA**

☉ 233°SW (T) • 32.422741, -104.460745 ±5 m ▲ 1173 m



09 Aug 2022, 12:24:19

View of release area during excavation activities, facing southwest.



Date & Time: Thu, Sep 29, 2022 at 13:22:06 MDT  
Position: +032.422785° / -104.459710° (±11.6ft)  
Altitude: 3869ft (±9.8ft)  
Datum: WGS-84  
Azimuth/Bearing: 114° S66E 2027mils True (±11°)  
Elevation Angle: -23.3°  
Horizon Angle: -02.1°  
Zoom: 0.5X

View of release area during excavation activities, facing southeast.



Date & Time: Thu, Sep 29, 2022 at 13:21:18 MDT  
Position: +032.422926° / -104.459730° (±20.4ft)  
Altitude: 3868ft (±9.8ft)  
Datum: WGS-84  
Azimuth/Bearing: 057° N57E 1013mils True (±11°)  
Elevation Angle: -20.5°  
Horizon Angle: -02.3°  
Zoom: 0.5X

View of release area during excavation activities, facing northeast.



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## APPENDIX D

Table

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**TABLE 1**  
**SOIL SAMPLE ANALYTICAL RESULTS**  
**2RP-3334 - 9.17.08 (Big Walt 2 State #008)**  
**Oxy USA Inc.**  
**Eddy County, New Mexico**  
**Ensolum Project No. 03B1417069**

Sample Designation	Date	Depth (inches bgs)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH MRO (mg/kg)	Total TPH (GRO+DRO+MRO) (mg/kg)	Chloride (mg/kg)
New Mexico Oil Conservation Division Closure Criteria for Soils Impacted by a Release (≤ 50 feet)			10	NE	NE	NE	50	NE	NE	NE	100	600
Floor Sample Analytical Results												
FS-1	9/2/2022	0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
FS-2	9/2/2022	0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	52.6	16.7	69.3	32.0
FS-3	9/2/2022	0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	16.0
FS-4	9/2/2022	0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	80.5	36.8	117	<16.0
	9/29/2022	12	NS				<10.0	<10.0	<10.0	<10.0	NS	NS
FS-5	9/2/2022	0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	196	96.3	292	<16.0
	9/29/2022	12	NS				<10.0	<10.0	<10.0	<10.0	NS	NS
FS-6	9/2/2022	0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	866	358	1,224	16.0
	9/29/2022	12	NS				<10.0	<10.0	<10.0	<10.0	NS	NS
FS-7	9/2/2022	0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	174	95.8	270	32.0
	9/29/2022	12	NS				<10.0	<10.0	<10.0	<10.0	NS	NS
FS-8	9/2/2022	0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	13.1	11.3	24.4	<16.0
FS-9	9/2/2022	0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	1,470	628	2,098	<16.0
	9/29/2022	24	NS				<10.0	<10.0	<10.0	<10.0	NS	NS
FS-10	9/2/2022	0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	61.7	65.0	127	32.0
	9/29/2022	12	NS				<10.0	<10.0	<10.0	<10.0	NS	NS
FS-11	9/2/2022	0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
FS-12	9/2/2022	0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
FS-13	9/2/2022	0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	32.0
FS-14	9/2/2022	0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	24.8	<10.0	24.8	32.0
FS-15	9/2/2022	0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	32.0
FS-16	9/2/2022	0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
FS-17	9/2/2022	0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	14.6	<10.0	14.6	16.0
FS-18	9/2/2022	0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
FS-19	9/2/2022	0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	24.5	<10.0	24.5	<16.0
FS-20	9/2/2022	0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	40.4	<10.0	40.4	<16.0
FS-21	9/2/2022	0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
FS-22	9/2/2022	0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	23.2	<10.0	23.2	<16.0
FS-23	9/2/2022	0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
FS-24	9/2/2022	0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	27.9	<10.0	27.9	<16.0
FS-25	9/2/2022	0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	44.8	<10.0	44.8	<16.0
FS-26	9/2/2022	0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	16.0
FS-27	9/2/2022	0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
FS-28	9/2/2022	0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
FS-29	9/2/2022	0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	21.4	<10.0	21.4	16.0
FS-30	9/2/2022	0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0

**TABLE 1**  
**SOIL SAMPLE ANALYTICAL RESULTS**  
**2RP-3334 - 9.17.08 (Big Walt 2 State #008)**  
**Oxy USA Inc.**  
**Eddy County, New Mexico**  
**Ensolum Project No. 03B1417069**

Sample Designation	Date	Depth (inches bgs)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH MRO (mg/kg)	Total TPH (GRO+DRO+MRO) (mg/kg)	Chloride (mg/kg)
New Mexico Oil Conservation Division Closure Criteria for Soils Impacted by a Release (≤ 50 feet)			10	NE	NE	NE	50	NE	NE	NE	100	600
Floor Sample Analytical Results												
FS-31	9/2/2022	0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
FS-32	9/2/2022	0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	32.0
FS-33	9/2/2022	0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	761	293	1,054	<16.0
	9/29/2022	12	NS						<10.0	<10.0	<10.0	<10.0
FS-34	9/2/2022	0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	310	115	425	<16.0
	9/29/2022	36	NS						<10.0	<10.0	<10.0	<10.0
FS-35	9/2/2022	0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
FS-36	9/2/2022	0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	32.0
FS-37	9/2/2022	0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	32.0
FS-38	9/2/2022	0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	16.0
FS-39	9/2/2022	0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
FS-40	9/2/2022	0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	32.0
FS-41	9/2/2022	0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	48.0
FS-42	9/2/2022	0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	32.0
FS-43	9/2/2022	0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
FS-44	9/2/2022	0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	41.9	12.4	54.3	32.0
FS-45	9/2/2022	0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	32.0
FS-46	9/2/2022	0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	16.0
FS-47	9/2/2022	0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	32.0
FS-48	9/2/2022	0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	32.0
FS-49	9/2/2022	0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
FS-50	9/2/2022	0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	46.0	15.8	61.8	32.0
FS-51	9/2/2022	0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	15.8	<10.0	15.8	32.0
FS-52	9/2/2022	0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	16.0
FS-53	9/2/2022	0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	32.0
FS-54	9/2/2022	0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
FS-55	9/2/2022	0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	16.0
FS-56	9/2/2022	0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	32.0
FS-57	9/2/2022	0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
FS-58	9/2/2022	0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
FS-59	9/2/2022	0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	32.0
FS-60	9/2/2022	0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	32.0

**TABLE 1**  
**SOIL SAMPLE ANALYTICAL RESULTS**  
 2RP-3334 - 9.17.08 (Big Walt 2 State #008)  
 Oxy USA Inc.  
 Eddy County, New Mexico  
 Ensolum Project No. 03B1417069

Sample Designation	Date	Depth (inches bgs)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH MRO (mg/kg)	Total TPH (GRO+DRO+MRO) (mg/kg)	Chloride (mg/kg)
New Mexico Oil Conservation Division Closure Criteria for Soils Impacted by a Release (≤ 50 feet)			10	NE	NE	NE	50	NE	NE	NE	100	600
<b>Floor Sample Analytical Results</b>												
FS-61	9/2/2022	0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	32.0
FS-62	9/2/2022	0.25 - 0.50	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	32.0
FS-63	9/2/2022	0.25 - 0.50	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	32.0
FS-64	9/2/2022	0.25 - 0.50	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
FS-65	9/2/2022	0.25 - 0.50	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	15.3	<10.0	15.3	<16.0
FS-66	9/2/2022	0.25 - 0.50	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
FS-67	9/2/2022	0.25 - 0.50	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
FS-68	9/2/2022	0.25 - 0.50	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	60.7	15.3	76.0	<16.0
FS-69	9/2/2022	0.25 - 0.50	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	16.0
FS-70	9/2/2022	0.25 - 0.50	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
FS-71	9/2/2022	0.25 - 0.50	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
FS-72	9/2/2022	0.25 - 0.50	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	16.0
FS-73	9/2/2022	0.25 - 0.50	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	28.4	<10.0	28.4	16.0
FS-74	9/2/2022	0.25 - 0.50	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	15.8	<10.0	15.8	32.0
FS-75	9/2/2022	0.25 - 0.50	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	206	89.1	295	32.0
	9/29/2022	36	NS					<10.0	<10.0	<10.0	<10.0	NS
FS-76	9/2/2022	0.25 - 0.50	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	62.4	34.4	96.8	<16.0
FS-77	9/2/2022	0.25 - 0.50	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	57.6	16.2	73.8	32.0
FS-78	9/2/2022	0.25 - 0.50	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	32.0
FS-79	9/2/2022	0.25 - 0.50	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	16.0
FS-80	9/2/2022	0.25 - 0.50	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	18.0	<10.0	18.0	32.0
FS-81	9/2/2022	0.25 - 0.50	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	22.7	<10.0	22.7	<16.0
FS-82	9/2/2022	0.25 - 0.50	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	104	30.7	135	16.0
	9/29/2022	36	NS					<10.0	<10.0	<10.0	<10.0	NS
FS-83	9/2/2022	0.25 - 0.50	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
FS-84	9/2/2022	0.25 - 0.50	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	20.2	<10.0	20.2	<16.0
FS-85	9/2/2022	0.25 - 0.50	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
*FS-86	9/2/2022	0.25 - 0.50	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	1,770	593	2,363	<16.0
	9/29/2022	48	NS					<10.0	70.3	16.5	86.8	NS
FS-87	9/2/2022	0.25 - 0.50	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
FS-88	9/2/2022	0.25 - 0.50	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
FS-89	9/2/2022	0.25 - 0.50	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
FS-90	9/2/2022	0.25 - 0.50	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0

**TABLE 1**  
**SOIL SAMPLE ANALYTICAL RESULTS**  
**2RP-3334 - 9.17.08 (Big Walt 2 State #008)**  
**Oxy USA Inc.**  
**Eddy County, New Mexico**  
**Ensolum Project No. 03B1417069**

Sample Designation	Date	Depth (inches bgs)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH MRO (mg/kg)	Total TPH (GRO+DRO+MRO) (mg/kg)	Chloride (mg/kg)
<b>New Mexico Oil Conservation Division Closure Criteria for Soils Impacted by a Release (≤ 50 feet)</b>			<b>10</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>50</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>100</b>	<b>600</b>
<b>Floor Sample Analytical Results</b>												
FS-91	9/2/2022	0.25 - 0.50	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<b>45.6</b>	<10.0	<b>45.6</b>	<16.0
FS-92	9/2/2022	0.25 - 0.50	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<b>35.6</b>	<10.0	<b>35.6</b>	<16.0
FS-93	9/2/2022	0.25 - 0.50	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
FS-94	9/2/2022	0.25 - 0.50	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
FS-95	9/2/2022	0.25 - 0.50	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<b>32.0</b>
FS-96	9/2/2022	0.25 - 0.50	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
FS-97	9/2/2022	0.25 - 0.50	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
*FS-98	9/2/2022	0.25 - 0.50	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<b>101</b>	<b>24.8</b>	<b>126</b>	<16.0
	9/29/2022	72	NS					<10.0	<10.0	<10.0	<10.0	NS
FS-99	9/2/2022	0.25 - 0.50	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<b>25.1</b>	<10.0	<b>25.1</b>	<b>32.0</b>
FS-100	9/2/2022	0.25 - 0.50	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<b>54.5</b>	<b>15.2</b>	<b>69.7</b>	<b>32.0</b>
FS-101	9/2/2022	0.25 - 0.50	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<b>24.0</b>	<10.0	<b>24.0</b>	<b>32.0</b>
*FS-102	9/2/2022	0.25 - 0.50	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<b>110</b>	<b>26.7</b>	<b>137</b>	<b>48.0</b>
	9/29/2022	72	NS					<10.0	<10.0	<10.0	<10.0	NS
FS-103	9/2/2022	0.25 - 0.50	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
FS-104	9/2/2022	0.25 - 0.50	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
FS-105	9/2/2022	0.25 - 0.50	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
FS-106	9/2/2022	0.25 - 0.50	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<b>48.0</b>
FS-107	9/2/2022	0.25 - 0.50	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<b>32.0</b>
FS-108	9/2/2022	0.25 - 0.50	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<b>32.0</b>
FS-109	9/2/2022	0.25 - 0.50	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<b>16.0</b>
FS-110	9/2/2022	0.25 - 0.50	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
FS-111	9/2/2022	0.25 - 0.50	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
FS-112	9/2/2022	0.25 - 0.50	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
FS-113	9/2/2022	0.25 - 0.50	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
FS-114	9/2/2022	0.25 - 0.50	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
FS-115	9/2/2022	0.25 - 0.50	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<b>48.0</b>
FS-116	9/2/2022	0.25 - 0.50	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
FS-117	9/2/2022	0.25 - 0.50	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
FS-118	9/2/2022	0.25 - 0.50	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<b>16.0</b>
FS-119	9/2/2022	0.25 - 0.50	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<b>32.0</b>
FS-120	9/2/2022	0.25 - 0.50	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<b>32.0</b>

**TABLE 1**  
**SOIL SAMPLE ANALYTICAL RESULTS**  
**2RP-3334 - 9.17.08 (Big Walt 2 State #008)**  
**Oxy USA Inc.**  
**Eddy County, New Mexico**  
**Ensolum Project No. 03B1417069**

Sample Designation	Date	Depth (inches bgs)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH MRO (mg/kg)	Total TPH (GRO+DRO+MRO) (mg/kg)	Chloride (mg/kg)
<b>New Mexico Oil Conservation Division Closure Criteria for Soils Impacted by a Release (≤ 50 feet)</b>			<b>10</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>50</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>100</b>	<b>600</b>
<b>Floor Sample Analytical Results</b>												
FS-121	9/2/2022	0.25 - 0.50	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<b>32.0</b>
FS-122	9/2/2022	0.25 - 0.50	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<b>32.0</b>
FS-123	9/2/2022	0.25 - 0.50	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<b>16.0</b>
FS-124	9/2/2022	0.25 - 0.50	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<b>16.0</b>
FS-125	9/2/2022	0.25 - 0.50	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
FS-126	9/2/2022	0.25 - 0.50	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<b>16.0</b>
FS-127	9/2/2022	0.25 - 0.50	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
FS-128	9/2/2022	0.25 - 0.50	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
FS-129	9/2/2022	0.25 - 0.50	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
FS-130	9/2/2022	0.25 - 0.50	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
*FS-131	9/2/2022	0.25 - 0.50	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<b>188</b>	<b>47.5</b>	<b>236</b>	<16.0
	9/29/2022	84	NS			<10.0	<b>104</b>	<b>34.8</b>	<b>139</b>	NS		
	10/21/2022	108	NS			<10.0	<10.0	<10.0	<10.0	NS		
FS-132	9/2/2022	0.25 - 0.50	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<b>32.0</b>
FS-133	9/2/2022	0.25 - 0.50	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<b>16.0</b>
FS-134	9/2/2022	0.25 - 0.50	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<b>16.0</b>
FS-135	9/2/2022	0.25 - 0.50	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
FS-136	9/2/2022	0.25 - 0.50	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<b>32.1</b>	<10.0	<b>32.1</b>	<16.0
FS-137	9/2/2022	0.25 - 0.50	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
FS-138	9/2/2022	0.25 - 0.50	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
FS-139	9/2/2022	0.25 - 0.50	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
FS-140	9/2/2022	0.25 - 0.50	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<b>21.7</b>	<10.0	<b>21.7</b>	<16.0
FS-141	9/2/2022	0.25 - 0.50	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
FS-142	9/2/2022	0.25 - 0.50	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
FS-143	9/2/2022	0.25 - 0.50	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
FS-144	9/2/2022	0.25 - 0.50	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
FS-145	9/2/2022	0.25 - 0.50	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<b>16.0</b>
FS-146	9/2/2022	0.25 - 0.50	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<b>43.7</b>	<10.0	<b>43.7</b>	<16.0
FS-147	9/2/2022	0.25 - 0.50	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<b>21.5</b>	<10.0	<b>21.5</b>	<b>48.0</b>
FS-148	9/2/2022	0.25 - 0.50	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
FS-149	9/2/2022	0.25 - 0.50	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
FS-150	9/2/2022	0.25 - 0.50	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0

**TABLE 1**  
**SOIL SAMPLE ANALYTICAL RESULTS**  
**2RP-3334 - 9.17.08 (Big Walt 2 State #008)**  
**Oxy USA Inc.**  
**Eddy County, New Mexico**  
**Ensolum Project No. 03B1417069**

Sample Designation	Date	Depth (inches bgs)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH MRO (mg/kg)	Total TPH (GRO+DRO+MRO) (mg/kg)	Chloride (mg/kg)
<b>New Mexico Oil Conservation Division Closure Criteria for Soils Impacted by a Release (≤ 50 feet)</b>			<b>10</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>50</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>100</b>	<b>600</b>
<b>Floor Sample Analytical Results</b>												
FS-151	9/2/2022	0.25 - 0.50	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
FS-152	9/2/2022	0.25 - 0.50	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
FS-153	9/2/2022	0.25 - 0.50	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
FS-154	9/2/2022	0.25 - 0.50	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
FS-155	9/2/2022	0.25 - 0.50	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
FS-156	9/2/2022	0.25 - 0.50	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<b>25.1</b>	<10.0	<b>25.1</b>	<16.0
FS-157	9/2/2022	0.25 - 0.50	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
FS-158	9/2/2022	0.25 - 0.50	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
FS-159	9/2/2022	0.25 - 0.50	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
FS-160	9/2/2022	0.25 - 0.50	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
FS-161	9/2/2022	0.25 - 0.50	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
FS-162	9/2/2022	0.25 - 0.50	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<b>16.0</b>
FS-163	9/2/2022	0.25 - 0.50	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
FS-164	9/2/2022	0.25 - 0.50	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
FS-165	9/2/2022	0.25 - 0.50	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
<b>Sidewall Sample Analytical Results</b>												
SW-86	10/21/2022	0 - 48			NS			<10.0	<10.0	<10.0	<10.0	NS
SW-98	10/21/2022	0 - 72			NS			<10.0	<10.0	<10.0	<10.0	NS
SW-102	10/21/2022	0 - 72			NS			<10.0	<10.0	<10.0	<10.0	NS
SW-131	10/21/2022	0 - 108			NS			<10.0	<10.0	<10.0	<10.0	NS

Concentrations in **bold** and yellow exceed the New Mexico Oil Conservation Division Closure Criteria for Soils Impacted by a Release (≤ 50 feet)

Over Excavated and/or Re-Sampled

- \* Indicates sidewall sample taken
- 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



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## APPENDIX E

### Laboratory Data Sheets and Chain-of-Custody Documentation

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PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

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September 09, 2022

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

RE: BIG WALT

Enclosed are the results of analyses for samples received by the laboratory on 09/02/22 15:14.

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/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

Cardinal Laboratories is accredited 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.

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,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style.

Celey D. Keene  
Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

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

Received:	09/02/2022	Sampling Date:	09/02/2022
Reported:	09/09/2022	Sampling Type:	Soil
Project Name:	BIG WALT	Sampling Condition:	** (See Notes)
Project Number:	03B1417054	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - EDDY, CO.		

**Sample ID: FS - 1 0-0.25" (H224051-01)**

BTEX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/06/2022	ND	1.76	87.9	2.00	2.37	QM-07	
Toluene*	<0.050	0.050	09/06/2022	ND	1.87	93.6	2.00	3.35		
Ethylbenzene*	<0.050	0.050	09/06/2022	ND	1.89	94.3	2.00	3.05		
Total Xylenes*	<0.150	0.150	09/06/2022	ND	5.91	98.5	6.00	3.21		
Total BTEX	<0.300	0.300	09/06/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 69.9-140

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	09/07/2022	ND	416	104	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	09/06/2022	ND	190	95.1	200	3.82		
DRO >C10-C28*	<10.0	10.0	09/06/2022	ND	167	83.4	200	3.30		
EXT DRO >C28-C36	<10.0	10.0	09/06/2022	ND						

Surrogate: 1-Chlorooctane 73.1 % 45.3-161

Surrogate: 1-Chlorooctadecane 73.6 % 46.3-178

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

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

Received:	09/02/2022	Sampling Date:	09/02/2022
Reported:	09/09/2022	Sampling Type:	Soil
Project Name:	BIG WALT	Sampling Condition:	** (See Notes)
Project Number:	03B1417054	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - EDDY, CO.		

**Sample ID: FS - 2 0-0.25" (H224051-02)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/06/2022	ND	1.76	87.9	2.00	2.37	
Toluene*	<0.050	0.050	09/06/2022	ND	1.87	93.6	2.00	3.35	
Ethylbenzene*	<0.050	0.050	09/06/2022	ND	1.89	94.3	2.00	3.05	
Total Xylenes*	<0.150	0.150	09/06/2022	ND	5.91	98.5	6.00	3.21	
Total BTEX	<0.300	0.300	09/06/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>32.0</b>	16.0	09/07/2022	ND	416	104	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	09/06/2022	ND	190	95.1	200	3.82	
<b>DRO &gt;C10-C28*</b>	<b>52.6</b>	10.0	09/06/2022	ND	167	83.4	200	3.30	
<b>EXT DRO &gt;C28-C36</b>	<b>16.7</b>	10.0	09/06/2022	ND					

Surrogate: 1-Chlorooctane 70.4 % 45.3-161

Surrogate: 1-Chlorooctadecane 76.9 % 46.3-178

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

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

Received:	09/02/2022	Sampling Date:	09/02/2022
Reported:	09/09/2022	Sampling Type:	Soil
Project Name:	BIG WALT	Sampling Condition:	** (See Notes)
Project Number:	03B1417054	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - EDDY, CO.		

**Sample ID: FS - 3 0-0.25" (H224051-03)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/06/2022	ND	1.76	87.9	2.00	2.37	
Toluene*	<0.050	0.050	09/06/2022	ND	1.87	93.6	2.00	3.35	
Ethylbenzene*	<0.050	0.050	09/06/2022	ND	1.89	94.3	2.00	3.05	
Total Xylenes*	<0.150	0.150	09/06/2022	ND	5.91	98.5	6.00	3.21	
Total BTEX	<0.300	0.300	09/06/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 69.9-140

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	09/07/2022	ND	416	104	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	09/06/2022	ND	190	95.1	200	3.82	
DRO >C10-C28*	<10.0	10.0	09/06/2022	ND	167	83.4	200	3.30	
EXT DRO >C28-C36	<10.0	10.0	09/06/2022	ND					

Surrogate: 1-Chlorooctane 75.3 % 45.3-161

Surrogate: 1-Chlorooctadecane 78.5 % 46.3-178

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

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

Received:	09/02/2022	Sampling Date:	09/02/2022
Reported:	09/09/2022	Sampling Type:	Soil
Project Name:	BIG WALT	Sampling Condition:	** (See Notes)
Project Number:	03B1417054	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - EDDY, CO.		

**Sample ID: FS - 4 0-0.25" (H224051-04)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/06/2022	ND	1.76	87.9	2.00	2.37	
Toluene*	<0.050	0.050	09/06/2022	ND	1.87	93.6	2.00	3.35	
Ethylbenzene*	<0.050	0.050	09/06/2022	ND	1.89	94.3	2.00	3.05	
Total Xylenes*	<0.150	0.150	09/06/2022	ND	5.91	98.5	6.00	3.21	
Total BTEX	<0.300	0.300	09/06/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 69.9-140

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	09/07/2022	ND	416	104	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	09/06/2022	ND	190	95.1	200	3.82	
<b>DRO &gt;C10-C28*</b>	<b>80.5</b>	10.0	09/06/2022	ND	167	83.4	200	3.30	
<b>EXT DRO &gt;C28-C36</b>	<b>36.8</b>	10.0	09/06/2022	ND					

Surrogate: 1-Chlorooctane 70.7 % 45.3-161

Surrogate: 1-Chlorooctadecane 81.3 % 46.3-178

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

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

Received:	09/02/2022	Sampling Date:	09/02/2022
Reported:	09/09/2022	Sampling Type:	Soil
Project Name:	BIG WALT	Sampling Condition:	** (See Notes)
Project Number:	03B1417054	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - EDDY, CO.		

**Sample ID: FS - 5 0-0.25" (H224051-05)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/06/2022	ND	1.76	87.9	2.00	2.37	
Toluene*	<0.050	0.050	09/06/2022	ND	1.87	93.6	2.00	3.35	
Ethylbenzene*	<0.050	0.050	09/06/2022	ND	1.89	94.3	2.00	3.05	
Total Xylenes*	<0.150	0.150	09/06/2022	ND	5.91	98.5	6.00	3.21	
Total BTEX	<0.300	0.300	09/06/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 69.9-140

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	09/07/2022	ND	416	104	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	09/06/2022	ND	190	95.1	200	3.82	
<b>DRO &gt;C10-C28*</b>	<b>196</b>	10.0	09/06/2022	ND	167	83.4	200	3.30	
<b>EXT DRO &gt;C28-C36</b>	<b>96.3</b>	10.0	09/06/2022	ND					

Surrogate: 1-Chlorooctane 68.6 % 45.3-161

Surrogate: 1-Chlorooctadecane 85.2 % 46.3-178

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

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

Received:	09/02/2022	Sampling Date:	09/02/2022
Reported:	09/09/2022	Sampling Type:	Soil
Project Name:	BIG WALT	Sampling Condition:	** (See Notes)
Project Number:	03B1417054	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - EDDY, CO.		

**Sample ID: FS - 6 0-0.25" (H224051-06)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/06/2022	ND	1.76	87.9	2.00	2.37	
Toluene*	<0.050	0.050	09/06/2022	ND	1.87	93.6	2.00	3.35	
Ethylbenzene*	<0.050	0.050	09/06/2022	ND	1.89	94.3	2.00	3.05	
Total Xylenes*	<0.150	0.150	09/06/2022	ND	5.91	98.5	6.00	3.21	
Total BTEX	<0.300	0.300	09/06/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>16.0</b>	16.0	09/07/2022	ND	416	104	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	09/06/2022	ND	190	95.1	200	3.82	
<b>DRO &gt;C10-C28*</b>	<b>866</b>	10.0	09/06/2022	ND	167	83.4	200	3.30	
<b>EXT DRO &gt;C28-C36</b>	<b>358</b>	10.0	09/06/2022	ND					

Surrogate: 1-Chlorooctane 71.9 % 45.3-161

Surrogate: 1-Chlorooctadecane 98.7 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	09/02/2022	Sampling Date:	09/02/2022
Reported:	09/09/2022	Sampling Type:	Soil
Project Name:	BIG WALT	Sampling Condition:	** (See Notes)
Project Number:	03B1417054	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - EDDY, CO.		

**Sample ID: FS - 7 0-0.25" (H224051-07)**

BTEX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/06/2022	ND	1.76	87.9	2.00	2.37		
Toluene*	<0.050	0.050	09/06/2022	ND	1.87	93.6	2.00	3.35		
Ethylbenzene*	<0.050	0.050	09/06/2022	ND	1.89	94.3	2.00	3.05		
Total Xylenes*	<0.150	0.150	09/06/2022	ND	5.91	98.5	6.00	3.21		
Total BTEX	<0.300	0.300	09/06/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
<b>Chloride</b>	<b>32.0</b>	16.0	09/07/2022	ND	416	104	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	09/06/2022	ND	190	95.1	200	3.82		
<b>DRO &gt;C10-C28*</b>	<b>174</b>	10.0	09/06/2022	ND	167	83.4	200	3.30		
<b>EXT DRO &gt;C28-C36</b>	<b>95.8</b>	10.0	09/06/2022	ND						

Surrogate: 1-Chlorooctane 71.4 % 45.3-161

Surrogate: 1-Chlorooctadecane 84.4 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	09/02/2022	Sampling Date:	09/02/2022
Reported:	09/09/2022	Sampling Type:	Soil
Project Name:	BIG WALT	Sampling Condition:	** (See Notes)
Project Number:	03B1417054	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - EDDY, CO.		

**Sample ID: FS - 8 0-0.25" (H224051-08)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/06/2022	ND	1.76	87.9	2.00	2.37	
Toluene*	<0.050	0.050	09/06/2022	ND	1.87	93.6	2.00	3.35	
Ethylbenzene*	<0.050	0.050	09/06/2022	ND	1.89	94.3	2.00	3.05	
Total Xylenes*	<0.150	0.150	09/06/2022	ND	5.91	98.5	6.00	3.21	
Total BTEX	<0.300	0.300	09/06/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 69.9-140

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	09/07/2022	ND	416	104	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	09/06/2022	ND	190	95.1	200	3.82	
<b>DRO &gt;C10-C28*</b>	<b>13.1</b>	10.0	09/06/2022	ND	167	83.4	200	3.30	
<b>EXT DRO &gt;C28-C36</b>	<b>11.3</b>	10.0	09/06/2022	ND					

Surrogate: 1-Chlorooctane 71.1 % 45.3-161

Surrogate: 1-Chlorooctadecane 73.0 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	09/02/2022	Sampling Date:	09/02/2022
Reported:	09/09/2022	Sampling Type:	Soil
Project Name:	BIG WALT	Sampling Condition:	** (See Notes)
Project Number:	03B1417054	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - EDDY, CO.		

**Sample ID: FS - 9 0-0.25" (H224051-09)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/06/2022	ND	1.76	87.9	2.00	2.37	
Toluene*	<0.050	0.050	09/06/2022	ND	1.87	93.6	2.00	3.35	
Ethylbenzene*	<0.050	0.050	09/06/2022	ND	1.89	94.3	2.00	3.05	
Total Xylenes*	<0.150	0.150	09/06/2022	ND	5.91	98.5	6.00	3.21	
Total BTEX	<0.300	0.300	09/06/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 69.9-140

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	09/07/2022	ND	416	104	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	09/06/2022	ND	190	95.1	200	3.82	
<b>DRO &gt;C10-C28*</b>	<b>1470</b>	10.0	09/06/2022	ND	167	83.4	200	3.30	
<b>EXT DRO &gt;C28-C36</b>	<b>628</b>	10.0	09/06/2022	ND					

Surrogate: 1-Chlorooctane 65.5 % 45.3-161

Surrogate: 1-Chlorooctadecane 108 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	09/02/2022	Sampling Date:	09/02/2022
Reported:	09/09/2022	Sampling Type:	Soil
Project Name:	BIG WALT	Sampling Condition:	** (See Notes)
Project Number:	03B1417054	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - EDDY, CO.		

**Sample ID: FS - 10 0-0.25" (H224051-10)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/06/2022	ND	1.76	87.9	2.00	2.37	
Toluene*	<0.050	0.050	09/06/2022	ND	1.87	93.6	2.00	3.35	
Ethylbenzene*	<0.050	0.050	09/06/2022	ND	1.89	94.3	2.00	3.05	
Total Xylenes*	<0.150	0.150	09/06/2022	ND	5.91	98.5	6.00	3.21	
Total BTEX	<0.300	0.300	09/06/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>32.0</b>	16.0	09/07/2022	ND	416	104	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	09/06/2022	ND	190	95.1	200	3.82	
<b>DRO &gt;C10-C28*</b>	<b>61.7</b>	10.0	09/06/2022	ND	167	83.4	200	3.30	
<b>EXT DRO &gt;C28-C36</b>	<b>65.0</b>	10.0	09/06/2022	ND					

Surrogate: 1-Chlorooctane 68.8 % 45.3-161

Surrogate: 1-Chlorooctadecane 72.4 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	09/02/2022	Sampling Date:	09/02/2022
Reported:	09/09/2022	Sampling Type:	Soil
Project Name:	BIG WALT	Sampling Condition:	** (See Notes)
Project Number:	03B1417054	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - EDDY, CO.		

**Sample ID: FS - 11 0-0.25" (H224051-11)**

BTEX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/06/2022	ND	1.76	87.9	2.00	2.37		
Toluene*	<0.050	0.050	09/06/2022	ND	1.87	93.6	2.00	3.35		
Ethylbenzene*	<0.050	0.050	09/06/2022	ND	1.89	94.3	2.00	3.05		
Total Xylenes*	<0.150	0.150	09/06/2022	ND	5.91	98.5	6.00	3.21		
Total BTEX	<0.300	0.300	09/06/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 69.9-140

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	09/07/2022	ND	416	104	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	09/06/2022	ND	190	95.1	200	3.82		
DRO >C10-C28*	<10.0	10.0	09/07/2022	ND	167	83.4	200	3.30		
EXT DRO >C28-C36	<10.0	10.0	09/07/2022	ND						

Surrogate: 1-Chlorooctane 74.2 % 45.3-161

Surrogate: 1-Chlorooctadecane 76.1 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	09/02/2022	Sampling Date:	09/02/2022
Reported:	09/09/2022	Sampling Type:	Soil
Project Name:	BIG WALT	Sampling Condition:	** (See Notes)
Project Number:	03B1417054	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - EDDY, CO.		

**Sample ID: FS - 12 0-0.25" (H224051-12)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/06/2022	ND	1.76	87.9	2.00	2.37	
Toluene*	<0.050	0.050	09/06/2022	ND	1.87	93.6	2.00	3.35	
Ethylbenzene*	<0.050	0.050	09/06/2022	ND	1.89	94.3	2.00	3.05	
Total Xylenes*	<0.150	0.150	09/06/2022	ND	5.91	98.5	6.00	3.21	
Total BTEX	<0.300	0.300	09/06/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 69.9-140

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	09/07/2022	ND	416	104	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	09/06/2022	ND	190	95.1	200	3.82	
DRO >C10-C28*	<10.0	10.0	09/06/2022	ND	167	83.4	200	3.30	
EXT DRO >C28-C36	<10.0	10.0	09/06/2022	ND					

Surrogate: 1-Chlorooctane 70.0 % 45.3-161

Surrogate: 1-Chlorooctadecane 75.0 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	09/02/2022	Sampling Date:	09/02/2022
Reported:	09/09/2022	Sampling Type:	Soil
Project Name:	BIG WALT	Sampling Condition:	** (See Notes)
Project Number:	03B1417054	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - EDDY, CO.		

**Sample ID: FS - 13 0-0.25" (H224051-13)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/06/2022	ND	1.76	87.9	2.00	2.37	
Toluene*	<0.050	0.050	09/06/2022	ND	1.87	93.6	2.00	3.35	
Ethylbenzene*	<0.050	0.050	09/06/2022	ND	1.89	94.3	2.00	3.05	
Total Xylenes*	<0.150	0.150	09/06/2022	ND	5.91	98.5	6.00	3.21	
Total BTEX	<0.300	0.300	09/06/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 69.9-140

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	09/07/2022	ND	416	104	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	09/06/2022	ND	190	95.1	200	3.82	
DRO >C10-C28*	<10.0	10.0	09/06/2022	ND	167	83.4	200	3.30	
EXT DRO >C28-C36	<10.0	10.0	09/06/2022	ND					

Surrogate: 1-Chlorooctane 68.3 % 45.3-161

Surrogate: 1-Chlorooctadecane 72.3 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

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

Received:	09/02/2022	Sampling Date:	09/02/2022
Reported:	09/09/2022	Sampling Type:	Soil
Project Name:	BIG WALT	Sampling Condition:	** (See Notes)
Project Number:	03B1417054	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - EDDY, CO.		

**Sample ID: FS - 14 0-0.25" (H224051-14)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/06/2022	ND	1.76	87.9	2.00	2.37	
Toluene*	<0.050	0.050	09/06/2022	ND	1.87	93.6	2.00	3.35	
Ethylbenzene*	<0.050	0.050	09/06/2022	ND	1.89	94.3	2.00	3.05	
Total Xylenes*	<0.150	0.150	09/06/2022	ND	5.91	98.5	6.00	3.21	
Total BTEX	<0.300	0.300	09/06/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>32.0</b>	16.0	09/07/2022	ND	416	104	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	09/06/2022	ND	190	95.1	200	3.82	
<b>DRO &gt;C10-C28*</b>	<b>24.8</b>	10.0	09/06/2022	ND	167	83.4	200	3.30	
EXT DRO >C28-C36	<10.0	10.0	09/06/2022	ND					

Surrogate: 1-Chlorooctane 74.7 % 45.3-161

Surrogate: 1-Chlorooctadecane 80.2 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	09/02/2022	Sampling Date:	09/02/2022
Reported:	09/09/2022	Sampling Type:	Soil
Project Name:	BIG WALT	Sampling Condition:	** (See Notes)
Project Number:	03B1417054	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - EDDY, CO.		

**Sample ID: FS - 15 0-0.25" (H224051-15)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/06/2022	ND	1.76	87.9	2.00	2.37	
Toluene*	<0.050	0.050	09/06/2022	ND	1.87	93.6	2.00	3.35	
Ethylbenzene*	<0.050	0.050	09/06/2022	ND	1.89	94.3	2.00	3.05	
Total Xylenes*	<0.150	0.150	09/06/2022	ND	5.91	98.5	6.00	3.21	
Total BTEX	<0.300	0.300	09/06/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 69.9-140

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	09/07/2022	ND	416	104	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	09/06/2022	ND	190	95.1	200	3.82	
DRO >C10-C28*	<10.0	10.0	09/06/2022	ND	167	83.4	200	3.30	
EXT DRO >C28-C36	<10.0	10.0	09/06/2022	ND					

Surrogate: 1-Chlorooctane 73.4 % 45.3-161

Surrogate: 1-Chlorooctadecane 76.7 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	09/02/2022	Sampling Date:	09/02/2022
Reported:	09/09/2022	Sampling Type:	Soil
Project Name:	BIG WALT	Sampling Condition:	** (See Notes)
Project Number:	03B1417054	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - EDDY, CO.		

**Sample ID: FS - 16 0-0.25" (H224051-16)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/06/2022	ND	1.76	87.9	2.00	2.37	
Toluene*	<0.050	0.050	09/06/2022	ND	1.87	93.6	2.00	3.35	
Ethylbenzene*	<0.050	0.050	09/06/2022	ND	1.89	94.3	2.00	3.05	
Total Xylenes*	<0.150	0.150	09/06/2022	ND	5.91	98.5	6.00	3.21	
Total BTEX	<0.300	0.300	09/06/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 69.9-140

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	09/07/2022	ND	416	104	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	09/06/2022	ND	190	95.1	200	3.82	
DRO >C10-C28*	<10.0	10.0	09/06/2022	ND	167	83.4	200	3.30	
EXT DRO >C28-C36	<10.0	10.0	09/06/2022	ND					

Surrogate: 1-Chlorooctane 73.0 % 45.3-161

Surrogate: 1-Chlorooctadecane 75.8 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	09/02/2022	Sampling Date:	09/02/2022
Reported:	09/09/2022	Sampling Type:	Soil
Project Name:	BIG WALT	Sampling Condition:	** (See Notes)
Project Number:	03B1417054	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - EDDY, CO.		

**Sample ID: FS - 17 0-0.25" (H224051-17)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/06/2022	ND	1.76	87.9	2.00	2.37	
Toluene*	<0.050	0.050	09/06/2022	ND	1.87	93.6	2.00	3.35	
Ethylbenzene*	<0.050	0.050	09/06/2022	ND	1.89	94.3	2.00	3.05	
Total Xylenes*	<0.150	0.150	09/06/2022	ND	5.91	98.5	6.00	3.21	
Total BTEX	<0.300	0.300	09/06/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>16.0</b>	16.0	09/07/2022	ND	416	104	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	09/06/2022	ND	190	95.1	200	3.82	
<b>DRO &gt;C10-C28*</b>	<b>14.6</b>	10.0	09/06/2022	ND	167	83.4	200	3.30	
EXT DRO >C28-C36	<10.0	10.0	09/06/2022	ND					

Surrogate: 1-Chlorooctane 70.6 % 45.3-161

Surrogate: 1-Chlorooctadecane 74.7 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	09/02/2022	Sampling Date:	09/02/2022
Reported:	09/09/2022	Sampling Type:	Soil
Project Name:	BIG WALT	Sampling Condition:	** (See Notes)
Project Number:	03B1417054	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - EDDY, CO.		

**Sample ID: FS - 18 0-0.25" (H224051-18)**

BTEX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/06/2022	ND	1.76	87.9	2.00	2.37		
Toluene*	<0.050	0.050	09/06/2022	ND	1.87	93.6	2.00	3.35		
Ethylbenzene*	<0.050	0.050	09/06/2022	ND	1.89	94.3	2.00	3.05		
Total Xylenes*	<0.150	0.150	09/06/2022	ND	5.91	98.5	6.00	3.21		
Total BTEX	<0.300	0.300	09/06/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 69.9-140

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	09/07/2022	ND	416	104	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	09/06/2022	ND	190	95.1	200	3.82		
DRO >C10-C28*	<10.0	10.0	09/06/2022	ND	167	83.4	200	3.30		
EXT DRO >C28-C36	<10.0	10.0	09/06/2022	ND						

Surrogate: 1-Chlorooctane 61.9 % 45.3-161

Surrogate: 1-Chlorooctadecane 69.3 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	09/02/2022	Sampling Date:	09/02/2022
Reported:	09/09/2022	Sampling Type:	Soil
Project Name:	BIG WALT	Sampling Condition:	** (See Notes)
Project Number:	03B1417054	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - EDDY, CO.		

**Sample ID: FS - 19 0-0.25" (H224051-19)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/06/2022	ND	1.76	87.9	2.00	2.37	
Toluene*	<0.050	0.050	09/06/2022	ND	1.87	93.6	2.00	3.35	
Ethylbenzene*	<0.050	0.050	09/06/2022	ND	1.89	94.3	2.00	3.05	
Total Xylenes*	<0.150	0.150	09/06/2022	ND	5.91	98.5	6.00	3.21	
Total BTEX	<0.300	0.300	09/06/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 69.9-140

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	09/07/2022	ND	416	104	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	09/06/2022	ND	190	95.1	200	3.82	
<b>DRO &gt;C10-C28*</b>	<b>24.5</b>	10.0	09/06/2022	ND	167	83.4	200	3.30	
EXT DRO >C28-C36	<10.0	10.0	09/06/2022	ND					

Surrogate: 1-Chlorooctane 78.0 % 45.3-161

Surrogate: 1-Chlorooctadecane 82.4 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	09/02/2022	Sampling Date:	09/02/2022
Reported:	09/09/2022	Sampling Type:	Soil
Project Name:	BIG WALT	Sampling Condition:	** (See Notes)
Project Number:	03B1417054	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - EDDY, CO.		

**Sample ID: FS - 20 0-0.25" (H224051-20)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/06/2022	ND	1.76	87.9	2.00	2.37	
Toluene*	<0.050	0.050	09/06/2022	ND	1.87	93.6	2.00	3.35	
Ethylbenzene*	<0.050	0.050	09/06/2022	ND	1.89	94.3	2.00	3.05	
Total Xylenes*	<0.150	0.150	09/06/2022	ND	5.91	98.5	6.00	3.21	
Total BTEX	<0.300	0.300	09/06/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 69.9-140

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	09/07/2022	ND	416	104	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	09/06/2022	ND	191	95.5	200	5.55	
<b>DRO &gt;C10-C28*</b>	<b>40.4</b>	10.0	09/06/2022	ND	204	102	200	1.63	
EXT DRO >C28-C36	<10.0	10.0	09/06/2022	ND					

Surrogate: 1-Chlorooctane 91.0 % 45.3-161

Surrogate: 1-Chlorooctadecane 99.4 % 46.3-178

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**Analytical Results For:**

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

Received:	09/02/2022	Sampling Date:	09/02/2022
Reported:	09/09/2022	Sampling Type:	Soil
Project Name:	BIG WALT	Sampling Condition:	** (See Notes)
Project Number:	03B1417054	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - EDDY, CO.		

**Sample ID: FS - 21 0-0.25" (H224051-21)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/06/2022	ND	1.80	90.2	2.00	0.416	QM-07
Toluene*	<0.050	0.050	09/06/2022	ND	1.90	94.8	2.00	0.624	
Ethylbenzene*	<0.050	0.050	09/06/2022	ND	1.91	95.6	2.00	0.670	
Total Xylenes*	<0.150	0.150	09/06/2022	ND	5.98	99.7	6.00	1.07	
Total BTEX	<0.300	0.300	09/06/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 69.9-140

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	09/07/2022	ND	416	104	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	09/06/2022	ND	191	95.5	200	5.55	
DRO >C10-C28*	<10.0	10.0	09/06/2022	ND	204	102	200	1.63	
EXT DRO >C28-C36	<10.0	10.0	09/06/2022	ND					

Surrogate: 1-Chlorooctane 112 % 45.3-161

Surrogate: 1-Chlorooctadecane 117 % 46.3-178

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

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

Received:	09/02/2022	Sampling Date:	09/02/2022
Reported:	09/09/2022	Sampling Type:	Soil
Project Name:	BIG WALT	Sampling Condition:	** (See Notes)
Project Number:	03B1417054	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - EDDY, CO.		

**Sample ID: FS - 22 0-0.25" (H224051-22)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/06/2022	ND	1.80	90.2	2.00	0.416	
Toluene*	<0.050	0.050	09/06/2022	ND	1.90	94.8	2.00	0.624	
Ethylbenzene*	<0.050	0.050	09/06/2022	ND	1.91	95.6	2.00	0.670	
Total Xylenes*	<0.150	0.150	09/06/2022	ND	5.98	99.7	6.00	1.07	
Total BTEX	<0.300	0.300	09/06/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 69.9-140

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	09/07/2022	ND	416	104	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	09/06/2022	ND	191	95.5	200	5.55	
<b>DRO &gt;C10-C28*</b>	<b>23.2</b>	10.0	09/06/2022	ND	204	102	200	1.63	
EXT DRO >C28-C36	<10.0	10.0	09/06/2022	ND					

Surrogate: 1-Chlorooctane 101 % 45.3-161

Surrogate: 1-Chlorooctadecane 111 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	09/02/2022	Sampling Date:	09/02/2022
Reported:	09/09/2022	Sampling Type:	Soil
Project Name:	BIG WALT	Sampling Condition:	** (See Notes)
Project Number:	03B1417054	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - EDDY, CO.		

**Sample ID: FS - 23 0-0.25" (H224051-23)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/06/2022	ND	1.80	90.2	2.00	0.416	
Toluene*	<0.050	0.050	09/06/2022	ND	1.90	94.8	2.00	0.624	
Ethylbenzene*	<0.050	0.050	09/06/2022	ND	1.91	95.6	2.00	0.670	
Total Xylenes*	<0.150	0.150	09/06/2022	ND	5.98	99.7	6.00	1.07	
Total BTEX	<0.300	0.300	09/06/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 69.9-140

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	09/07/2022	ND	416	104	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	09/06/2022	ND	191	95.5	200	5.55	
DRO >C10-C28*	<10.0	10.0	09/06/2022	ND	204	102	200	1.63	
EXT DRO >C28-C36	<10.0	10.0	09/06/2022	ND					

Surrogate: 1-Chlorooctane 78.4 % 45.3-161

Surrogate: 1-Chlorooctadecane 83.5 % 46.3-178

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**Analytical Results For:**

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

Received:	09/02/2022	Sampling Date:	09/02/2022
Reported:	09/09/2022	Sampling Type:	Soil
Project Name:	BIG WALT	Sampling Condition:	** (See Notes)
Project Number:	03B1417054	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - EDDY, CO.		

**Sample ID: FS - 24 0-0.25" (H224051-24)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/06/2022	ND	1.80	90.2	2.00	0.416	
Toluene*	<0.050	0.050	09/06/2022	ND	1.90	94.8	2.00	0.624	
Ethylbenzene*	<0.050	0.050	09/06/2022	ND	1.91	95.6	2.00	0.670	
Total Xylenes*	<0.150	0.150	09/06/2022	ND	5.98	99.7	6.00	1.07	
Total BTEX	<0.300	0.300	09/06/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 69.9-140

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	09/07/2022	ND	416	104	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	09/06/2022	ND	191	95.5	200	5.55	
<b>DRO &gt;C10-C28*</b>	<b>27.9</b>	10.0	09/06/2022	ND	204	102	200	1.63	
EXT DRO >C28-C36	<10.0	10.0	09/06/2022	ND					

Surrogate: 1-Chlorooctane 88.8 % 45.3-161

Surrogate: 1-Chlorooctadecane 98.0 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	09/02/2022	Sampling Date:	09/02/2022
Reported:	09/09/2022	Sampling Type:	Soil
Project Name:	BIG WALT	Sampling Condition:	** (See Notes)
Project Number:	03B1417054	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - EDDY, CO.		

**Sample ID: FS - 25 0-0.25" (H224051-25)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/06/2022	ND	1.80	90.2	2.00	0.416	
Toluene*	<0.050	0.050	09/06/2022	ND	1.90	94.8	2.00	0.624	
Ethylbenzene*	<0.050	0.050	09/06/2022	ND	1.91	95.6	2.00	0.670	
Total Xylenes*	<0.150	0.150	09/06/2022	ND	5.98	99.7	6.00	1.07	
Total BTEX	<0.300	0.300	09/06/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 69.9-140

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	09/07/2022	ND	416	104	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	09/06/2022	ND	191	95.5	200	5.55	
<b>DRO &gt;C10-C28*</b>	<b>44.8</b>	10.0	09/06/2022	ND	204	102	200	1.63	
EXT DRO >C28-C36	<10.0	10.0	09/06/2022	ND					

Surrogate: 1-Chlorooctane 93.2 % 45.3-161

Surrogate: 1-Chlorooctadecane 105 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	09/02/2022	Sampling Date:	09/02/2022
Reported:	09/09/2022	Sampling Type:	Soil
Project Name:	BIG WALT	Sampling Condition:	** (See Notes)
Project Number:	03B1417054	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - EDDY, CO.		

**Sample ID: FS - 26 0-0.25" (H224051-26)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/06/2022	ND	1.80	90.2	2.00	0.416	
Toluene*	<0.050	0.050	09/06/2022	ND	1.90	94.8	2.00	0.624	
Ethylbenzene*	<0.050	0.050	09/06/2022	ND	1.91	95.6	2.00	0.670	
Total Xylenes*	<0.150	0.150	09/06/2022	ND	5.98	99.7	6.00	1.07	
Total BTEX	<0.300	0.300	09/06/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 117 % 69.9-140

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	09/07/2022	ND	416	104	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	09/06/2022	ND	191	95.5	200	5.55	
DRO >C10-C28*	<10.0	10.0	09/06/2022	ND	204	102	200	1.63	
EXT DRO >C28-C36	<10.0	10.0	09/06/2022	ND					

Surrogate: 1-Chlorooctane 79.6 % 45.3-161

Surrogate: 1-Chlorooctadecane 84.5 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	09/02/2022	Sampling Date:	09/02/2022
Reported:	09/09/2022	Sampling Type:	Soil
Project Name:	BIG WALT	Sampling Condition:	** (See Notes)
Project Number:	03B1417054	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - EDDY, CO.		

**Sample ID: FS - 27 0-0.25" (H224051-27)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/06/2022	ND	1.80	90.2	2.00	0.416	
Toluene*	<0.050	0.050	09/06/2022	ND	1.90	94.8	2.00	0.624	
Ethylbenzene*	<0.050	0.050	09/06/2022	ND	1.91	95.6	2.00	0.670	
Total Xylenes*	<0.150	0.150	09/06/2022	ND	5.98	99.7	6.00	1.07	
Total BTEX	<0.300	0.300	09/06/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 116 % 69.9-140

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	09/07/2022	ND	416	104	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	09/06/2022	ND	191	95.5	200	5.55	
DRO >C10-C28*	<10.0	10.0	09/06/2022	ND	204	102	200	1.63	
EXT DRO >C28-C36	<10.0	10.0	09/06/2022	ND					

Surrogate: 1-Chlorooctane 76.4 % 45.3-161

Surrogate: 1-Chlorooctadecane 81.2 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	09/02/2022	Sampling Date:	09/02/2022
Reported:	09/09/2022	Sampling Type:	Soil
Project Name:	BIG WALT	Sampling Condition:	** (See Notes)
Project Number:	03B1417054	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - EDDY, CO.		

**Sample ID: FS - 28 0-0.25" (H224051-28)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/06/2022	ND	1.80	90.2	2.00	0.416	
Toluene*	<0.050	0.050	09/06/2022	ND	1.90	94.8	2.00	0.624	
Ethylbenzene*	<0.050	0.050	09/06/2022	ND	1.91	95.6	2.00	0.670	
Total Xylenes*	<0.150	0.150	09/06/2022	ND	5.98	99.7	6.00	1.07	
Total BTEX	<0.300	0.300	09/06/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 69.9-140

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	09/07/2022	ND	416	104	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	09/06/2022	ND	191	95.5	200	5.55	
DRO >C10-C28*	<10.0	10.0	09/06/2022	ND	204	102	200	1.63	
EXT DRO >C28-C36	<10.0	10.0	09/06/2022	ND					

Surrogate: 1-Chlorooctane 88.8 % 45.3-161

Surrogate: 1-Chlorooctadecane 93.3 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	09/02/2022	Sampling Date:	09/02/2022
Reported:	09/09/2022	Sampling Type:	Soil
Project Name:	BIG WALT	Sampling Condition:	** (See Notes)
Project Number:	03B1417054	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - EDDY, CO.		

**Sample ID: FS - 29 0-0.25" (H224051-29)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/06/2022	ND	1.80	90.2	2.00	0.416	
Toluene*	<0.050	0.050	09/06/2022	ND	1.90	94.8	2.00	0.624	
Ethylbenzene*	<0.050	0.050	09/06/2022	ND	1.91	95.6	2.00	0.670	
Total Xylenes*	<0.150	0.150	09/06/2022	ND	5.98	99.7	6.00	1.07	
Total BTEX	<0.300	0.300	09/06/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 116 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>16.0</b>	16.0	09/07/2022	ND	416	104	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	09/06/2022	ND	191	95.5	200	5.55	
<b>DRO &gt;C10-C28*</b>	<b>21.4</b>	10.0	09/06/2022	ND	204	102	200	1.63	
EXT DRO >C28-C36	<10.0	10.0	09/06/2022	ND					

Surrogate: 1-Chlorooctane 88.5 % 45.3-161

Surrogate: 1-Chlorooctadecane 92.5 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

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

Received:	09/02/2022	Sampling Date:	09/02/2022
Reported:	09/09/2022	Sampling Type:	Soil
Project Name:	BIG WALT	Sampling Condition:	** (See Notes)
Project Number:	03B1417054	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - EDDY, CO.		

**Sample ID: FS - 30 0-0.25" (H224051-30)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/06/2022	ND	1.80	90.2	2.00	0.416	
Toluene*	<0.050	0.050	09/06/2022	ND	1.90	94.8	2.00	0.624	
Ethylbenzene*	<0.050	0.050	09/06/2022	ND	1.91	95.6	2.00	0.670	
Total Xylenes*	<0.150	0.150	09/06/2022	ND	5.98	99.7	6.00	1.07	
Total BTEX	<0.300	0.300	09/06/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 116 % 69.9-140

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	09/07/2022	ND	416	104	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	09/06/2022	ND	191	95.5	200	5.55	
DRO >C10-C28*	<10.0	10.0	09/06/2022	ND	204	102	200	1.63	
EXT DRO >C28-C36	<10.0	10.0	09/06/2022	ND					

Surrogate: 1-Chlorooctane 93.7 % 45.3-161

Surrogate: 1-Chlorooctadecane 98.9 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	09/02/2022	Sampling Date:	09/02/2022
Reported:	09/09/2022	Sampling Type:	Soil
Project Name:	BIG WALT	Sampling Condition:	** (See Notes)
Project Number:	03B1417054	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - EDDY, CO.		

**Sample ID: FS - 31 0-0.25" (H224051-31)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/06/2022	ND	1.80	90.2	2.00	0.416	
Toluene*	<0.050	0.050	09/06/2022	ND	1.90	94.8	2.00	0.624	
Ethylbenzene*	<0.050	0.050	09/06/2022	ND	1.91	95.6	2.00	0.670	
Total Xylenes*	<0.150	0.150	09/06/2022	ND	5.98	99.7	6.00	1.07	
Total BTEX	<0.300	0.300	09/06/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 117 % 69.9-140

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	09/07/2022	ND	416	104	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	09/06/2022	ND	191	95.5	200	5.55	
DRO >C10-C28*	<10.0	10.0	09/06/2022	ND	204	102	200	1.63	
EXT DRO >C28-C36	<10.0	10.0	09/06/2022	ND					

Surrogate: 1-Chlorooctane 85.2 % 45.3-161

Surrogate: 1-Chlorooctadecane 86.7 % 46.3-178

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**Analytical Results For:**

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

Received:	09/02/2022	Sampling Date:	09/02/2022
Reported:	09/09/2022	Sampling Type:	Soil
Project Name:	BIG WALT	Sampling Condition:	** (See Notes)
Project Number:	03B1417054	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - EDDY, CO.		

**Sample ID: FS - 32 0-0.25" (H224051-32)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/06/2022	ND	1.80	90.2	2.00	0.416	
Toluene*	<0.050	0.050	09/06/2022	ND	1.90	94.8	2.00	0.624	
Ethylbenzene*	<0.050	0.050	09/06/2022	ND	1.91	95.6	2.00	0.670	
Total Xylenes*	<0.150	0.150	09/06/2022	ND	5.98	99.7	6.00	1.07	
Total BTEX	<0.300	0.300	09/06/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 116 % 69.9-140

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	09/07/2022	ND	416	104	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	09/06/2022	ND	191	95.5	200	5.55	
DRO >C10-C28*	<10.0	10.0	09/06/2022	ND	204	102	200	1.63	
EXT DRO >C28-C36	<10.0	10.0	09/06/2022	ND					

Surrogate: 1-Chlorooctane 81.1 % 45.3-161

Surrogate: 1-Chlorooctadecane 83.8 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	09/02/2022	Sampling Date:	09/02/2022
Reported:	09/09/2022	Sampling Type:	Soil
Project Name:	BIG WALT	Sampling Condition:	** (See Notes)
Project Number:	03B1417054	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - EDDY, CO.		

**Sample ID: FS - 33 0-0.25" (H224051-33)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/06/2022	ND	1.80	90.2	2.00	0.416	
Toluene*	<0.050	0.050	09/06/2022	ND	1.90	94.8	2.00	0.624	
Ethylbenzene*	<0.050	0.050	09/06/2022	ND	1.91	95.6	2.00	0.670	
Total Xylenes*	<0.150	0.150	09/06/2022	ND	5.98	99.7	6.00	1.07	
Total BTEX	<0.300	0.300	09/06/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 116 % 69.9-140

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	09/07/2022	ND	416	104	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	09/06/2022	ND	191	95.5	200	5.55	
<b>DRO &gt;C10-C28*</b>	<b>761</b>	10.0	09/06/2022	ND	204	102	200	1.63	
<b>EXT DRO &gt;C28-C36</b>	<b>293</b>	10.0	09/06/2022	ND					

Surrogate: 1-Chlorooctane 70.7 % 45.3-161

Surrogate: 1-Chlorooctadecane 127 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	09/02/2022	Sampling Date:	09/02/2022
Reported:	09/09/2022	Sampling Type:	Soil
Project Name:	BIG WALT	Sampling Condition:	** (See Notes)
Project Number:	03B1417054	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - EDDY, CO.		

**Sample ID: FS - 34 0-0.25" (H224051-34)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/06/2022	ND	1.80	90.2	2.00	0.416	
Toluene*	<0.050	0.050	09/06/2022	ND	1.90	94.8	2.00	0.624	
Ethylbenzene*	<0.050	0.050	09/06/2022	ND	1.91	95.6	2.00	0.670	
Total Xylenes*	<0.150	0.150	09/06/2022	ND	5.98	99.7	6.00	1.07	
Total BTEX	<0.300	0.300	09/06/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 116 % 69.9-140

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	09/07/2022	ND	416	104	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	09/06/2022	ND	191	95.5	200	5.55	
<b>DRO &gt;C10-C28*</b>	<b>310</b>	10.0	09/06/2022	ND	204	102	200	1.63	
<b>EXT DRO &gt;C28-C36</b>	<b>115</b>	10.0	09/06/2022	ND					

Surrogate: 1-Chlorooctane 80.0 % 45.3-161

Surrogate: 1-Chlorooctadecane 102 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	09/02/2022	Sampling Date:	09/02/2022
Reported:	09/09/2022	Sampling Type:	Soil
Project Name:	BIG WALT	Sampling Condition:	** (See Notes)
Project Number:	03B1417054	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - EDDY, CO.		

**Sample ID: FS - 35 0-0.25" (H224051-35)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/07/2022	ND	1.80	90.2	2.00	0.416	
Toluene*	<0.050	0.050	09/07/2022	ND	1.90	94.8	2.00	0.624	
Ethylbenzene*	<0.050	0.050	09/07/2022	ND	1.91	95.6	2.00	0.670	
Total Xylenes*	<0.150	0.150	09/07/2022	ND	5.98	99.7	6.00	1.07	
Total BTEX	<0.300	0.300	09/07/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 119 % 69.9-140

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	09/07/2022	ND	400	100	400	3.92	

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	09/06/2022	ND	191	95.5	200	5.55	
DRO >C10-C28*	<10.0	10.0	09/06/2022	ND	204	102	200	1.63	
EXT DRO >C28-C36	<10.0	10.0	09/06/2022	ND					

Surrogate: 1-Chlorooctane 87.4 % 45.3-161

Surrogate: 1-Chlorooctadecane 92.3 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	09/02/2022	Sampling Date:	09/02/2022
Reported:	09/09/2022	Sampling Type:	Soil
Project Name:	BIG WALT	Sampling Condition:	** (See Notes)
Project Number:	03B1417054	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - EDDY, CO.		

**Sample ID: FS - 36 0-0.25" (H224051-36)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/07/2022	ND	1.80	90.2	2.00	0.416	
Toluene*	<0.050	0.050	09/07/2022	ND	1.90	94.8	2.00	0.624	
Ethylbenzene*	<0.050	0.050	09/07/2022	ND	1.91	95.6	2.00	0.670	
Total Xylenes*	<0.150	0.150	09/07/2022	ND	5.98	99.7	6.00	1.07	
Total BTEX	<0.300	0.300	09/07/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 116 % 69.9-140

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	09/07/2022	ND	400	100	400	3.92	

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	09/06/2022	ND	191	95.5	200	5.55	
DRO >C10-C28*	<10.0	10.0	09/06/2022	ND	204	102	200	1.63	
EXT DRO >C28-C36	<10.0	10.0	09/06/2022	ND					

Surrogate: 1-Chlorooctane 86.3 % 45.3-161

Surrogate: 1-Chlorooctadecane 92.9 % 46.3-178

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**Analytical Results For:**

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

Received:	09/02/2022	Sampling Date:	09/02/2022
Reported:	09/09/2022	Sampling Type:	Soil
Project Name:	BIG WALT	Sampling Condition:	** (See Notes)
Project Number:	03B1417054	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - EDDY, CO.		

**Sample ID: FS - 37 0-0.25" (H224051-37)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/07/2022	ND	1.80	90.2	2.00	0.416	
Toluene*	<0.050	0.050	09/07/2022	ND	1.90	94.8	2.00	0.624	
Ethylbenzene*	<0.050	0.050	09/07/2022	ND	1.91	95.6	2.00	0.670	
Total Xylenes*	<0.150	0.150	09/07/2022	ND	5.98	99.7	6.00	1.07	
Total BTEX	<0.300	0.300	09/07/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 118 % 69.9-140

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	09/07/2022	ND	400	100	400	3.92	

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	09/06/2022	ND	191	95.5	200	5.55	
DRO >C10-C28*	<10.0	10.0	09/06/2022	ND	204	102	200	1.63	
EXT DRO >C28-C36	<10.0	10.0	09/06/2022	ND					

Surrogate: 1-Chlorooctane 98.6 % 45.3-161

Surrogate: 1-Chlorooctadecane 105 % 46.3-178

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**Analytical Results For:**

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

Received:	09/02/2022	Sampling Date:	09/02/2022
Reported:	09/09/2022	Sampling Type:	Soil
Project Name:	BIG WALT	Sampling Condition:	** (See Notes)
Project Number:	03B1417054	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - EDDY, CO.		

**Sample ID: FS - 38 0-0.25" (H224051-38)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/07/2022	ND	1.80	90.2	2.00	0.416	
Toluene*	<0.050	0.050	09/07/2022	ND	1.90	94.8	2.00	0.624	
Ethylbenzene*	<0.050	0.050	09/07/2022	ND	1.91	95.6	2.00	0.670	
Total Xylenes*	<0.150	0.150	09/07/2022	ND	5.98	99.7	6.00	1.07	
Total BTEX	<0.300	0.300	09/07/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 117 % 69.9-140

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	09/07/2022	ND	400	100	400	3.92	

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	09/06/2022	ND	191	95.5	200	5.55	
DRO >C10-C28*	<10.0	10.0	09/06/2022	ND	204	102	200	1.63	
EXT DRO >C28-C36	<10.0	10.0	09/06/2022	ND					

Surrogate: 1-Chlorooctane 83.1 % 45.3-161

Surrogate: 1-Chlorooctadecane 86.5 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

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

Received:	09/02/2022	Sampling Date:	09/02/2022
Reported:	09/09/2022	Sampling Type:	Soil
Project Name:	BIG WALT	Sampling Condition:	** (See Notes)
Project Number:	03B1417054	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - EDDY, CO.		

**Sample ID: FS - 39 0-0.25" (H224051-39)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/07/2022	ND	1.80	90.2	2.00	0.416	
Toluene*	<0.050	0.050	09/07/2022	ND	1.90	94.8	2.00	0.624	
Ethylbenzene*	<0.050	0.050	09/07/2022	ND	1.91	95.6	2.00	0.670	
Total Xylenes*	<0.150	0.150	09/07/2022	ND	5.98	99.7	6.00	1.07	
Total BTEX	<0.300	0.300	09/07/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 69.9-140

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	09/07/2022	ND	400	100	400	3.92	

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	09/06/2022	ND	191	95.5	200	5.55	
DRO >C10-C28*	<10.0	10.0	09/06/2022	ND	204	102	200	1.63	
EXT DRO >C28-C36	<10.0	10.0	09/06/2022	ND					

Surrogate: 1-Chlorooctane 89.1 % 45.3-161

Surrogate: 1-Chlorooctadecane 93.4 % 46.3-178

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**Analytical Results For:**

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

Received:	09/02/2022	Sampling Date:	09/02/2022
Reported:	09/09/2022	Sampling Type:	Soil
Project Name:	BIG WALT	Sampling Condition:	** (See Notes)
Project Number:	03B1417054	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - EDDY, CO.		

**Sample ID: FS - 40 0-0.25" (H224051-40)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/07/2022	ND	1.80	90.2	2.00	0.416	
Toluene*	<0.050	0.050	09/07/2022	ND	1.90	94.8	2.00	0.624	
Ethylbenzene*	<0.050	0.050	09/07/2022	ND	1.91	95.6	2.00	0.670	
Total Xylenes*	<0.150	0.150	09/07/2022	ND	5.98	99.7	6.00	1.07	
Total BTEX	<0.300	0.300	09/07/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 116 % 69.9-140

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	09/07/2022	ND	400	100	400	3.92	

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	09/06/2022	ND	198	99.0	200	2.49	
DRO >C10-C28*	<10.0	10.0	09/06/2022	ND	173	86.7	200	12.4	
EXT DRO >C28-C36	<10.0	10.0	09/06/2022	ND					

Surrogate: 1-Chlorooctane 85.8 % 45.3-161

Surrogate: 1-Chlorooctadecane 95.0 % 46.3-178

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**Analytical Results For:**

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

Received:	09/02/2022	Sampling Date:	09/02/2022
Reported:	09/09/2022	Sampling Type:	Soil
Project Name:	BIG WALT	Sampling Condition:	** (See Notes)
Project Number:	03B1417054	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - EDDY, CO.		

**Sample ID: FS - 41 0-0.25" (H224051-41)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/07/2022	ND	1.79	89.3	2.00	0.0834	QM-07
Toluene*	<0.050	0.050	09/07/2022	ND	1.90	95.0	2.00	1.48	
Ethylbenzene*	<0.050	0.050	09/07/2022	ND	1.90	95.1	2.00	0.151	
Total Xylenes*	<0.150	0.150	09/07/2022	ND	6.01	100	6.00	0.533	
Total BTEX	<0.300	0.300	09/07/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 118 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>48.0</b>	16.0	09/07/2022	ND	400	100	400	3.92	

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	09/06/2022	ND	198	99.0	200	2.49	
DRO >C10-C28*	<10.0	10.0	09/06/2022	ND	173	86.7	200	12.4	
EXT DRO >C28-C36	<10.0	10.0	09/06/2022	ND					

Surrogate: 1-Chlorooctane 79.5 % 45.3-161

Surrogate: 1-Chlorooctadecane 88.4 % 46.3-178

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**Analytical Results For:**

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

Received:	09/02/2022	Sampling Date:	09/02/2022
Reported:	09/09/2022	Sampling Type:	Soil
Project Name:	BIG WALT	Sampling Condition:	** (See Notes)
Project Number:	03B1417054	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - EDDY, CO.		

**Sample ID: FS - 42 0-0.25" (H224051-42)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/07/2022	ND	1.79	89.3	2.00	0.0834	
Toluene*	<0.050	0.050	09/07/2022	ND	1.90	95.0	2.00	1.48	
Ethylbenzene*	<0.050	0.050	09/07/2022	ND	1.90	95.1	2.00	0.151	
Total Xylenes*	<0.150	0.150	09/07/2022	ND	6.01	100	6.00	0.533	
Total BTEX	<0.300	0.300	09/07/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 116 % 69.9-140

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	09/07/2022	ND	400	100	400	3.92	

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	09/06/2022	ND	198	99.0	200	2.49	
DRO >C10-C28*	<10.0	10.0	09/06/2022	ND	173	86.7	200	12.4	
EXT DRO >C28-C36	<10.0	10.0	09/06/2022	ND					

Surrogate: 1-Chlorooctane 97.3 % 45.3-161

Surrogate: 1-Chlorooctadecane 105 % 46.3-178

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**Analytical Results For:**

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

Received:	09/02/2022	Sampling Date:	09/02/2022
Reported:	09/09/2022	Sampling Type:	Soil
Project Name:	BIG WALT	Sampling Condition:	** (See Notes)
Project Number:	03B1417054	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - EDDY, CO.		

**Sample ID: FS - 43 0-0.25" (H224051-43)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/07/2022	ND	1.79	89.3	2.00	0.0834	
Toluene*	<0.050	0.050	09/07/2022	ND	1.90	95.0	2.00	1.48	
Ethylbenzene*	<0.050	0.050	09/07/2022	ND	1.90	95.1	2.00	0.151	
Total Xylenes*	<0.150	0.150	09/07/2022	ND	6.01	100	6.00	0.533	
Total BTEX	<0.300	0.300	09/07/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 117 % 69.9-140

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	09/07/2022	ND	400	100	400	3.92	

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	09/06/2022	ND	198	99.0	200	2.49	
DRO >C10-C28*	<10.0	10.0	09/06/2022	ND	173	86.7	200	12.4	
EXT DRO >C28-C36	<10.0	10.0	09/06/2022	ND					

Surrogate: 1-Chlorooctane 83.5 % 45.3-161

Surrogate: 1-Chlorooctadecane 97.8 % 46.3-178

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**Analytical Results For:**

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

Received:	09/02/2022	Sampling Date:	09/02/2022
Reported:	09/09/2022	Sampling Type:	Soil
Project Name:	BIG WALT	Sampling Condition:	** (See Notes)
Project Number:	03B1417054	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - EDDY, CO.		

**Sample ID: FS - 44 0-0.25" (H224051-44)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/07/2022	ND	1.79	89.3	2.00	0.0834	
Toluene*	<0.050	0.050	09/07/2022	ND	1.90	95.0	2.00	1.48	
Ethylbenzene*	<0.050	0.050	09/07/2022	ND	1.90	95.1	2.00	0.151	
Total Xylenes*	<0.150	0.150	09/07/2022	ND	6.01	100	6.00	0.533	
Total BTEX	<0.300	0.300	09/07/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>32.0</b>	16.0	09/07/2022	ND	400	100	400	3.92	

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	09/06/2022	ND	198	99.0	200	2.49	
<b>DRO &gt;C10-C28*</b>	<b>41.9</b>	10.0	09/06/2022	ND	173	86.7	200	12.4	
<b>EXT DRO &gt;C28-C36</b>	<b>12.4</b>	10.0	09/06/2022	ND					

Surrogate: 1-Chlorooctane 77.9 % 45.3-161

Surrogate: 1-Chlorooctadecane 91.9 % 46.3-178

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**Analytical Results For:**

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

Received:	09/02/2022	Sampling Date:	09/02/2022
Reported:	09/09/2022	Sampling Type:	Soil
Project Name:	BIG WALT	Sampling Condition:	** (See Notes)
Project Number:	03B1417054	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - EDDY, CO.		

**Sample ID: FS - 45 0-0.25" (H224051-45)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/07/2022	ND	1.79	89.3	2.00	0.0834	
Toluene*	<0.050	0.050	09/07/2022	ND	1.90	95.0	2.00	1.48	
Ethylbenzene*	<0.050	0.050	09/07/2022	ND	1.90	95.1	2.00	0.151	
Total Xylenes*	<0.150	0.150	09/07/2022	ND	6.01	100	6.00	0.533	
Total BTEX	<0.300	0.300	09/07/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 116 % 69.9-140

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	09/07/2022	ND	400	100	400	3.92	

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	09/06/2022	ND	198	99.0	200	2.49	
DRO >C10-C28*	<10.0	10.0	09/06/2022	ND	173	86.7	200	12.4	
EXT DRO >C28-C36	<10.0	10.0	09/06/2022	ND					

Surrogate: 1-Chlorooctane 98.4 % 45.3-161

Surrogate: 1-Chlorooctadecane 114 % 46.3-178

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**Analytical Results For:**

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

Received:	09/02/2022	Sampling Date:	09/02/2022
Reported:	09/09/2022	Sampling Type:	Soil
Project Name:	BIG WALT	Sampling Condition:	** (See Notes)
Project Number:	03B1417054	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - EDDY, CO.		

**Sample ID: FS - 46 0-0.25" (H224051-46)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/07/2022	ND	1.79	89.3	2.00	0.0834	
Toluene*	<0.050	0.050	09/07/2022	ND	1.90	95.0	2.00	1.48	
Ethylbenzene*	<0.050	0.050	09/07/2022	ND	1.90	95.1	2.00	0.151	
Total Xylenes*	<0.150	0.150	09/07/2022	ND	6.01	100	6.00	0.533	
Total BTEX	<0.300	0.300	09/07/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 116 % 69.9-140

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	09/07/2022	ND	400	100	400	3.92	

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	09/06/2022	ND	198	99.0	200	2.49	
DRO >C10-C28*	<10.0	10.0	09/06/2022	ND	173	86.7	200	12.4	
EXT DRO >C28-C36	<10.0	10.0	09/06/2022	ND					

Surrogate: 1-Chlorooctane 99.8 % 45.3-161

Surrogate: 1-Chlorooctadecane 109 % 46.3-178

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

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

Received:	09/02/2022	Sampling Date:	09/02/2022
Reported:	09/09/2022	Sampling Type:	Soil
Project Name:	BIG WALT	Sampling Condition:	** (See Notes)
Project Number:	03B1417054	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - EDDY, CO.		

**Sample ID: FS - 47 0-0.25" (H224051-47)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/07/2022	ND	1.79	89.3	2.00	0.0834	
Toluene*	<0.050	0.050	09/07/2022	ND	1.90	95.0	2.00	1.48	
Ethylbenzene*	<0.050	0.050	09/07/2022	ND	1.90	95.1	2.00	0.151	
Total Xylenes*	<0.150	0.150	09/07/2022	ND	6.01	100	6.00	0.533	
Total BTEX	<0.300	0.300	09/07/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 117 % 69.9-140

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	09/07/2022	ND	400	100	400	3.92	

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	09/06/2022	ND	198	99.0	200	2.49	
DRO >C10-C28*	<10.0	10.0	09/06/2022	ND	173	86.7	200	12.4	
EXT DRO >C28-C36	<10.0	10.0	09/06/2022	ND					

Surrogate: 1-Chlorooctane 82.4 % 45.3-161

Surrogate: 1-Chlorooctadecane 91.8 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	09/02/2022	Sampling Date:	09/02/2022
Reported:	09/09/2022	Sampling Type:	Soil
Project Name:	BIG WALT	Sampling Condition:	** (See Notes)
Project Number:	03B1417054	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - EDDY, CO.		

**Sample ID: FS - 48 0-0.25" (H224051-48)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/07/2022	ND	1.79	89.3	2.00	0.0834	
Toluene*	<0.050	0.050	09/07/2022	ND	1.90	95.0	2.00	1.48	
Ethylbenzene*	<0.050	0.050	09/07/2022	ND	1.90	95.1	2.00	0.151	
Total Xylenes*	<0.150	0.150	09/07/2022	ND	6.01	100	6.00	0.533	
Total BTEX	<0.300	0.300	09/07/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 117 % 69.9-140

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	09/07/2022	ND	400	100	400	3.92	

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	09/06/2022	ND	198	99.0	200	2.49	
DRO >C10-C28*	<10.0	10.0	09/06/2022	ND	173	86.7	200	12.4	
EXT DRO >C28-C36	<10.0	10.0	09/06/2022	ND					

Surrogate: 1-Chlorooctane 96.5 % 45.3-161

Surrogate: 1-Chlorooctadecane 104 % 46.3-178

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**Analytical Results For:**

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

Received:	09/02/2022	Sampling Date:	09/02/2022
Reported:	09/09/2022	Sampling Type:	Soil
Project Name:	BIG WALT	Sampling Condition:	** (See Notes)
Project Number:	03B1417054	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - EDDY, CO.		

**Sample ID: FS - 49 0-0.25" (H224051-49)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/07/2022	ND	1.79	89.3	2.00	0.0834	
Toluene*	<0.050	0.050	09/07/2022	ND	1.90	95.0	2.00	1.48	
Ethylbenzene*	<0.050	0.050	09/07/2022	ND	1.90	95.1	2.00	0.151	
Total Xylenes*	<0.150	0.150	09/07/2022	ND	6.01	100	6.00	0.533	
Total BTEX	<0.300	0.300	09/07/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 116 % 69.9-140

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	09/07/2022	ND	400	100	400	3.92	

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	09/06/2022	ND	198	99.0	200	2.49	
DRO >C10-C28*	<10.0	10.0	09/06/2022	ND	173	86.7	200	12.4	
EXT DRO >C28-C36	<10.0	10.0	09/06/2022	ND					

Surrogate: 1-Chlorooctane 94.5 % 45.3-161

Surrogate: 1-Chlorooctadecane 108 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	09/02/2022	Sampling Date:	09/02/2022
Reported:	09/09/2022	Sampling Type:	Soil
Project Name:	BIG WALT	Sampling Condition:	** (See Notes)
Project Number:	03B1417054	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - EDDY, CO.		

**Sample ID: FS - 50 0-0.25" (H224051-50)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/07/2022	ND	1.79	89.3	2.00	0.0834	
Toluene*	<0.050	0.050	09/07/2022	ND	1.90	95.0	2.00	1.48	
Ethylbenzene*	<0.050	0.050	09/07/2022	ND	1.90	95.1	2.00	0.151	
Total Xylenes*	<0.150	0.150	09/07/2022	ND	6.01	100	6.00	0.533	
Total BTEX	<0.300	0.300	09/07/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 118 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>32.0</b>	16.0	09/07/2022	ND	400	100	400	3.92	

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	09/06/2022	ND	198	99.0	200	2.49	
<b>DRO &gt;C10-C28*</b>	<b>46.0</b>	10.0	09/06/2022	ND	173	86.7	200	12.4	
<b>EXT DRO &gt;C28-C36</b>	<b>15.8</b>	10.0	09/06/2022	ND					

Surrogate: 1-Chlorooctane 88.1 % 45.3-161

Surrogate: 1-Chlorooctadecane 101 % 46.3-178

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**Analytical Results For:**

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

Received:	09/02/2022	Sampling Date:	09/02/2022
Reported:	09/09/2022	Sampling Type:	Soil
Project Name:	BIG WALT	Sampling Condition:	** (See Notes)
Project Number:	03B1417054	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - EDDY, CO.		

**Sample ID: FS - 51 0-0.25" (H224051-51)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/07/2022	ND	1.79	89.3	2.00	0.0834	
Toluene*	<0.050	0.050	09/07/2022	ND	1.90	95.0	2.00	1.48	
Ethylbenzene*	<0.050	0.050	09/07/2022	ND	1.90	95.1	2.00	0.151	
Total Xylenes*	<0.150	0.150	09/07/2022	ND	6.01	100	6.00	0.533	
Total BTEX	<0.300	0.300	09/07/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 116 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>32.0</b>	16.0	09/07/2022	ND	400	100	400	3.92	

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	09/06/2022	ND	198	99.0	200	2.49	
<b>DRO &gt;C10-C28*</b>	<b>15.8</b>	10.0	09/06/2022	ND	173	86.7	200	12.4	
EXT DRO >C28-C36	<10.0	10.0	09/06/2022	ND					

Surrogate: 1-Chlorooctane 86.5 % 45.3-161

Surrogate: 1-Chlorooctadecane 99.3 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

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

Received:	09/02/2022	Sampling Date:	09/02/2022
Reported:	09/09/2022	Sampling Type:	Soil
Project Name:	BIG WALT	Sampling Condition:	** (See Notes)
Project Number:	03B1417054	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - EDDY, CO.		

**Sample ID: FS - 52 0-0.25" (H224051-52)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/07/2022	ND	1.79	89.3	2.00	0.0834	
Toluene*	<0.050	0.050	09/07/2022	ND	1.90	95.0	2.00	1.48	
Ethylbenzene*	<0.050	0.050	09/07/2022	ND	1.90	95.1	2.00	0.151	
Total Xylenes*	<0.150	0.150	09/07/2022	ND	6.01	100	6.00	0.533	
Total BTEX	<0.300	0.300	09/07/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 69.9-140

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	09/07/2022	ND	400	100	400	3.92	

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	09/06/2022	ND	198	99.0	200	2.49	
DRO >C10-C28*	<10.0	10.0	09/06/2022	ND	173	86.7	200	12.4	
EXT DRO >C28-C36	<10.0	10.0	09/06/2022	ND					

Surrogate: 1-Chlorooctane 91.3 % 45.3-161

Surrogate: 1-Chlorooctadecane 101 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	09/02/2022	Sampling Date:	09/02/2022
Reported:	09/09/2022	Sampling Type:	Soil
Project Name:	BIG WALT	Sampling Condition:	** (See Notes)
Project Number:	03B1417054	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - EDDY, CO.		

**Sample ID: FS - 53 0-0.25" (H224051-53)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/07/2022	ND	1.79	89.3	2.00	0.0834	
Toluene*	<0.050	0.050	09/07/2022	ND	1.90	95.0	2.00	1.48	
Ethylbenzene*	<0.050	0.050	09/07/2022	ND	1.90	95.1	2.00	0.151	
Total Xylenes*	<0.150	0.150	09/07/2022	ND	6.01	100	6.00	0.533	
Total BTEX	<0.300	0.300	09/07/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 119 % 69.9-140

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	09/07/2022	ND	400	100	400	3.92	

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	09/06/2022	ND	198	99.0	200	2.49	
DRO >C10-C28*	<10.0	10.0	09/06/2022	ND	173	86.7	200	12.4	
EXT DRO >C28-C36	<10.0	10.0	09/06/2022	ND					

Surrogate: 1-Chlorooctane 79.3 % 45.3-161

Surrogate: 1-Chlorooctadecane 90.0 % 46.3-178

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**Analytical Results For:**

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

Received:	09/02/2022	Sampling Date:	09/02/2022
Reported:	09/09/2022	Sampling Type:	Soil
Project Name:	BIG WALT	Sampling Condition:	** (See Notes)
Project Number:	03B1417054	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - EDDY, CO.		

**Sample ID: FS - 54 0-0.25" (H224051-54)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/07/2022	ND	1.79	89.3	2.00	0.0834	
Toluene*	<0.050	0.050	09/07/2022	ND	1.90	95.0	2.00	1.48	
Ethylbenzene*	<0.050	0.050	09/07/2022	ND	1.90	95.1	2.00	0.151	
Total Xylenes*	<0.150	0.150	09/07/2022	ND	6.01	100	6.00	0.533	
Total BTEX	<0.300	0.300	09/07/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 116 % 69.9-140

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	09/07/2022	ND	400	100	400	3.92	

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	09/06/2022	ND	198	99.0	200	2.49	
DRO >C10-C28*	<10.0	10.0	09/06/2022	ND	173	86.7	200	12.4	
EXT DRO >C28-C36	<10.0	10.0	09/06/2022	ND					

Surrogate: 1-Chlorooctane 88.5 % 45.3-161

Surrogate: 1-Chlorooctadecane 98.3 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

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

Received:	09/02/2022	Sampling Date:	09/02/2022
Reported:	09/09/2022	Sampling Type:	Soil
Project Name:	BIG WALT	Sampling Condition:	** (See Notes)
Project Number:	03B1417054	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - EDDY, CO.		

**Sample ID: FS - 55 0-0.25" (H224051-55)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/07/2022	ND	1.79	89.3	2.00	0.0834	
Toluene*	<0.050	0.050	09/07/2022	ND	1.90	95.0	2.00	1.48	
Ethylbenzene*	<0.050	0.050	09/07/2022	ND	1.90	95.1	2.00	0.151	
Total Xylenes*	<0.150	0.150	09/07/2022	ND	6.01	100	6.00	0.533	
Total BTEX	<0.300	0.300	09/07/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 117 % 69.9-140

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	09/07/2022	ND	400	100	400	3.92	

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	09/06/2022	ND	198	99.0	200	2.49	
DRO >C10-C28*	<10.0	10.0	09/06/2022	ND	173	86.7	200	12.4	
EXT DRO >C28-C36	<10.0	10.0	09/06/2022	ND					

Surrogate: 1-Chlorooctane 81.8 % 45.3-161

Surrogate: 1-Chlorooctadecane 90.9 % 46.3-178

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**Analytical Results For:**

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

Received:	09/02/2022	Sampling Date:	09/02/2022
Reported:	09/09/2022	Sampling Type:	Soil
Project Name:	BIG WALT	Sampling Condition:	** (See Notes)
Project Number:	03B1417054	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - EDDY, CO.		

**Sample ID: FS - 56 0-0.25" (H224051-56)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/07/2022	ND	1.79	89.3	2.00	0.0834	
Toluene*	<0.050	0.050	09/07/2022	ND	1.90	95.0	2.00	1.48	
Ethylbenzene*	<0.050	0.050	09/07/2022	ND	1.90	95.1	2.00	0.151	
Total Xylenes*	<0.150	0.150	09/07/2022	ND	6.01	100	6.00	0.533	
Total BTEX	<0.300	0.300	09/07/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 116 % 69.9-140

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	09/07/2022	ND	400	100	400	3.92	

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	09/06/2022	ND	198	99.0	200	2.49	
DRO >C10-C28*	<10.0	10.0	09/07/2022	ND	173	86.7	200	12.4	
EXT DRO >C28-C36	<10.0	10.0	09/06/2022	ND					

Surrogate: 1-Chlorooctane 82.6 % 45.3-161

Surrogate: 1-Chlorooctadecane 89.2 % 46.3-178

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**Analytical Results For:**

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

Received:	09/02/2022	Sampling Date:	09/02/2022
Reported:	09/09/2022	Sampling Type:	Soil
Project Name:	BIG WALT	Sampling Condition:	** (See Notes)
Project Number:	03B1417054	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - EDDY, CO.		

**Sample ID: FS - 57 0-0.25" (H224051-57)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/07/2022	ND	1.79	89.3	2.00	0.0834	
Toluene*	<0.050	0.050	09/07/2022	ND	1.90	95.0	2.00	1.48	
Ethylbenzene*	<0.050	0.050	09/07/2022	ND	1.90	95.1	2.00	0.151	
Total Xylenes*	<0.150	0.150	09/07/2022	ND	6.01	100	6.00	0.533	
Total BTEX	<0.300	0.300	09/07/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 118 % 69.9-140

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	09/07/2022	ND	400	100	400	3.92	

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	09/06/2022	ND	198	99.0	200	2.49	
DRO >C10-C28*	<10.0	10.0	09/06/2022	ND	173	86.7	200	12.4	
EXT DRO >C28-C36	<10.0	10.0	09/06/2022	ND					

Surrogate: 1-Chlorooctane 86.5 % 45.3-161

Surrogate: 1-Chlorooctadecane 93.2 % 46.3-178

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**Analytical Results For:**

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

Received:	09/02/2022	Sampling Date:	09/02/2022
Reported:	09/09/2022	Sampling Type:	Soil
Project Name:	BIG WALT	Sampling Condition:	** (See Notes)
Project Number:	03B1417054	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - EDDY, CO.		

**Sample ID: FS - 58 0-0.25" (H224051-58)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/07/2022	ND	1.79	89.3	2.00	0.0834	
Toluene*	<0.050	0.050	09/07/2022	ND	1.90	95.0	2.00	1.48	
Ethylbenzene*	<0.050	0.050	09/07/2022	ND	1.90	95.1	2.00	0.151	
Total Xylenes*	<0.150	0.150	09/07/2022	ND	6.01	100	6.00	0.533	
Total BTEX	<0.300	0.300	09/07/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 116 % 69.9-140

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	09/07/2022	ND	400	100	400	3.92	

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	09/06/2022	ND	198	99.0	200	2.49	
DRO >C10-C28*	<10.0	10.0	09/06/2022	ND	173	86.7	200	12.4	
EXT DRO >C28-C36	<10.0	10.0	09/06/2022	ND					

Surrogate: 1-Chlorooctane 87.9 % 45.3-161

Surrogate: 1-Chlorooctadecane 95.2 % 46.3-178

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**Analytical Results For:**

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

Received:	09/02/2022	Sampling Date:	09/02/2022
Reported:	09/09/2022	Sampling Type:	Soil
Project Name:	BIG WALT	Sampling Condition:	** (See Notes)
Project Number:	03B1417054	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - EDDY, CO.		

**Sample ID: FS - 59 0-0.25" (H224051-59)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/07/2022	ND	1.79	89.3	2.00	0.0834	
Toluene*	<0.050	0.050	09/07/2022	ND	1.90	95.0	2.00	1.48	
Ethylbenzene*	<0.050	0.050	09/07/2022	ND	1.90	95.1	2.00	0.151	
Total Xylenes*	<0.150	0.150	09/07/2022	ND	6.01	100	6.00	0.533	
Total BTEX	<0.300	0.300	09/07/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 69.9-140

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	09/07/2022	ND	400	100	400	3.92	

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	09/06/2022	ND	198	99.0	200	2.49	
DRO >C10-C28*	<10.0	10.0	09/06/2022	ND	173	86.7	200	12.4	
EXT DRO >C28-C36	<10.0	10.0	09/06/2022	ND					

Surrogate: 1-Chlorooctane 97.2 % 45.3-161

Surrogate: 1-Chlorooctadecane 106 % 46.3-178

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**Analytical Results For:**

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

Received:	09/02/2022	Sampling Date:	09/02/2022
Reported:	09/09/2022	Sampling Type:	Soil
Project Name:	BIG WALT	Sampling Condition:	** (See Notes)
Project Number:	03B1417054	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - EDDY, CO.		

**Sample ID: FS - 60 0-0.25" (H224051-60)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/07/2022	ND	1.79	89.3	2.00	0.0834	
Toluene*	<0.050	0.050	09/07/2022	ND	1.90	95.0	2.00	1.48	
Ethylbenzene*	<0.050	0.050	09/07/2022	ND	1.90	95.1	2.00	0.151	
Total Xylenes*	<0.150	0.150	09/07/2022	ND	6.01	100	6.00	0.533	
Total BTEX	<0.300	0.300	09/07/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 117 % 69.9-140

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	09/07/2022	ND	400	100	400	3.92	

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	09/07/2022	ND	189	94.7	200	2.22	
DRO >C10-C28*	<10.0	10.0	09/07/2022	ND	197	98.3	200	2.93	
EXT DRO >C28-C36	<10.0	10.0	09/07/2022	ND					

Surrogate: 1-Chlorooctane 71.7 % 45.3-161

Surrogate: 1-Chlorooctadecane 85.1 % 46.3-178

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**Analytical Results For:**

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

Received:	09/02/2022	Sampling Date:	09/02/2022
Reported:	09/09/2022	Sampling Type:	Soil
Project Name:	BIG WALT	Sampling Condition:	** (See Notes)
Project Number:	03B1417054	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - EDDY, CO.		

**Sample ID: FS - 62 0.25-0.5" (H224051-61)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/07/2022	ND	1.83	91.7	2.00	3.22	
Toluene*	<0.050	0.050	09/07/2022	ND	1.90	95.0	2.00	3.76	
Ethylbenzene*	<0.050	0.050	09/07/2022	ND	1.91	95.5	2.00	3.02	
Total Xylenes*	<0.150	0.150	09/07/2022	ND	5.88	98.0	6.00	2.27	
Total BTEX	<0.300	0.300	09/07/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

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	09/07/2022	ND	400	100	400	3.92	

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	09/07/2022	ND	189	94.7	200	2.22	
DRO >C10-C28*	<10.0	10.0	09/07/2022	ND	197	98.3	200	2.93	
EXT DRO >C28-C36	<10.0	10.0	09/07/2022	ND					

Surrogate: 1-Chlorooctane 87.3 % 45.3-161

Surrogate: 1-Chlorooctadecane 104 % 46.3-178

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**Analytical Results For:**

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

Received:	09/02/2022	Sampling Date:	09/02/2022
Reported:	09/09/2022	Sampling Type:	Soil
Project Name:	BIG WALT	Sampling Condition:	** (See Notes)
Project Number:	03B1417054	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - EDDY, CO.		

**Sample ID: FS - 63 0.25-0.5" (H224051-62)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/07/2022	ND	1.83	91.7	2.00	3.22	
Toluene*	<0.050	0.050	09/07/2022	ND	1.90	95.0	2.00	3.76	
Ethylbenzene*	<0.050	0.050	09/07/2022	ND	1.91	95.5	2.00	3.02	
Total Xylenes*	<0.150	0.150	09/07/2022	ND	5.88	98.0	6.00	2.27	
Total BTEX	<0.300	0.300	09/07/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

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	09/07/2022	ND	400	100	400	3.92	

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	09/07/2022	ND	189	94.7	200	2.22	
DRO >C10-C28*	<10.0	10.0	09/07/2022	ND	197	98.3	200	2.93	
EXT DRO >C28-C36	<10.0	10.0	09/07/2022	ND					

Surrogate: 1-Chlorooctane 87.4 % 45.3-161

Surrogate: 1-Chlorooctadecane 106 % 46.3-178

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**Analytical Results For:**

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

Received:	09/02/2022	Sampling Date:	09/02/2022
Reported:	09/09/2022	Sampling Type:	Soil
Project Name:	BIG WALT	Sampling Condition:	** (See Notes)
Project Number:	03B1417054	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - EDDY, CO.		

**Sample ID: FS - 64 0.25-0.5" (H224051-63)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/07/2022	ND	1.83	91.7	2.00	3.22		
Toluene*	<0.050	0.050	09/07/2022	ND	1.90	95.0	2.00	3.76		
Ethylbenzene*	<0.050	0.050	09/07/2022	ND	1.91	95.5	2.00	3.02		
Total Xylenes*	<0.150	0.150	09/07/2022	ND	5.88	98.0	6.00	2.27		
Total BTEX	<0.300	0.300	09/07/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

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	09/07/2022	ND	400	100	400	3.92		

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	09/07/2022	ND	189	94.7	200	2.22		
DRO >C10-C28*	<10.0	10.0	09/07/2022	ND	197	98.3	200	2.93		
EXT DRO >C28-C36	<10.0	10.0	09/07/2022	ND						

Surrogate: 1-Chlorooctane 76.9 % 45.3-161

Surrogate: 1-Chlorooctadecane 91.9 % 46.3-178

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

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

Received:	09/02/2022	Sampling Date:	09/02/2022
Reported:	09/09/2022	Sampling Type:	Soil
Project Name:	BIG WALT	Sampling Condition:	** (See Notes)
Project Number:	03B1417054	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - EDDY, CO.		

**Sample ID: FS - 65 0.25-0.5" (H224051-64)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/07/2022	ND	1.83	91.7	2.00	3.22		
Toluene*	<0.050	0.050	09/07/2022	ND	1.90	95.0	2.00	3.76		
Ethylbenzene*	<0.050	0.050	09/07/2022	ND	1.91	95.5	2.00	3.02		
Total Xylenes*	<0.150	0.150	09/07/2022	ND	5.88	98.0	6.00	2.27		
Total BTEX	<0.300	0.300	09/07/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

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	09/07/2022	ND	400	100	400	3.92		

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	09/07/2022	ND	189	94.7	200	2.22		
<b>DRO &gt;C10-C28*</b>	<b>15.3</b>	10.0	09/07/2022	ND	197	98.3	200	2.93		
EXT DRO >C28-C36	<10.0	10.0	09/07/2022	ND						

Surrogate: 1-Chlorooctane 84.5 % 45.3-161

Surrogate: 1-Chlorooctadecane 101 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	09/02/2022	Sampling Date:	09/02/2022
Reported:	09/09/2022	Sampling Type:	Soil
Project Name:	BIG WALT	Sampling Condition:	** (See Notes)
Project Number:	03B1417054	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - EDDY, CO.		

**Sample ID: FS - 66 0.25-0.5" (H224051-65)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/07/2022	ND	1.83	91.7	2.00	3.22		
Toluene*	<0.050	0.050	09/07/2022	ND	1.90	95.0	2.00	3.76		
Ethylbenzene*	<0.050	0.050	09/07/2022	ND	1.91	95.5	2.00	3.02		
Total Xylenes*	<0.150	0.150	09/07/2022	ND	5.88	98.0	6.00	2.27		
Total BTEX	<0.300	0.300	09/07/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

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	09/07/2022	ND	400	100	400	3.92		

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	09/07/2022	ND	189	94.7	200	2.22		
DRO >C10-C28*	<10.0	10.0	09/07/2022	ND	197	98.3	200	2.93		
EXT DRO >C28-C36	<10.0	10.0	09/07/2022	ND						

Surrogate: 1-Chlorooctane 84.3 % 45.3-161

Surrogate: 1-Chlorooctadecane 98.6 % 46.3-178

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**Analytical Results For:**

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

Received:	09/02/2022	Sampling Date:	09/02/2022
Reported:	09/09/2022	Sampling Type:	Soil
Project Name:	BIG WALT	Sampling Condition:	** (See Notes)
Project Number:	03B1417054	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - EDDY, CO.		

**Sample ID: FS - 67 0.25-0.5" (H224051-66)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/07/2022	ND	1.83	91.7	2.00	3.22		
Toluene*	<0.050	0.050	09/07/2022	ND	1.90	95.0	2.00	3.76		
Ethylbenzene*	<0.050	0.050	09/07/2022	ND	1.91	95.5	2.00	3.02		
Total Xylenes*	<0.150	0.150	09/07/2022	ND	5.88	98.0	6.00	2.27		
Total BTEX	<0.300	0.300	09/07/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

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	09/07/2022	ND	400	100	400	3.92		

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	09/07/2022	ND	189	94.7	200	2.22		
DRO >C10-C28*	<10.0	10.0	09/07/2022	ND	197	98.3	200	2.93		
EXT DRO >C28-C36	<10.0	10.0	09/07/2022	ND						

Surrogate: 1-Chlorooctane 82.2 % 45.3-161

Surrogate: 1-Chlorooctadecane 97.3 % 46.3-178

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**Analytical Results For:**

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

Received:	09/02/2022	Sampling Date:	09/02/2022
Reported:	09/09/2022	Sampling Type:	Soil
Project Name:	BIG WALT	Sampling Condition:	** (See Notes)
Project Number:	03B1417054	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - EDDY, CO.		

**Sample ID: FS - 68 0.25-0.5" (H224051-67)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/07/2022	ND	1.83	91.7	2.00	3.22		
Toluene*	<0.050	0.050	09/07/2022	ND	1.90	95.0	2.00	3.76		
Ethylbenzene*	<0.050	0.050	09/07/2022	ND	1.91	95.5	2.00	3.02		
Total Xylenes*	<0.150	0.150	09/07/2022	ND	5.88	98.0	6.00	2.27		
Total BTEX	<0.300	0.300	09/07/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

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	09/07/2022	ND	400	100	400	3.92		

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	09/07/2022	ND	189	94.7	200	2.22		
<b>DRO &gt;C10-C28*</b>	<b>60.7</b>	10.0	09/07/2022	ND	197	98.3	200	2.93		
<b>EXT DRO &gt;C28-C36</b>	<b>15.3</b>	10.0	09/07/2022	ND						

Surrogate: 1-Chlorooctane 82.7 % 45.3-161

Surrogate: 1-Chlorooctadecane 99.2 % 46.3-178

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**Analytical Results For:**

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

Received:	09/02/2022	Sampling Date:	09/02/2022
Reported:	09/09/2022	Sampling Type:	Soil
Project Name:	BIG WALT	Sampling Condition:	** (See Notes)
Project Number:	03B1417054	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - EDDY, CO.		

**Sample ID: FS - 69 0.25-0.5" (H224051-68)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/07/2022	ND	1.83	91.7	2.00	3.22		
Toluene*	<0.050	0.050	09/07/2022	ND	1.90	95.0	2.00	3.76		
Ethylbenzene*	<0.050	0.050	09/07/2022	ND	1.91	95.5	2.00	3.02		
Total Xylenes*	<0.150	0.150	09/07/2022	ND	5.88	98.0	6.00	2.27		
Total BTEX	<0.300	0.300	09/07/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

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	09/07/2022	ND	400	100	400	3.92		

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	09/07/2022	ND	189	94.7	200	2.22		
DRO >C10-C28*	<10.0	10.0	09/07/2022	ND	197	98.3	200	2.93		
EXT DRO >C28-C36	<10.0	10.0	09/07/2022	ND						

Surrogate: 1-Chlorooctane 84.6 % 45.3-161

Surrogate: 1-Chlorooctadecane 99.3 % 46.3-178

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**Analytical Results For:**

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

Received:	09/02/2022	Sampling Date:	09/02/2022
Reported:	09/09/2022	Sampling Type:	Soil
Project Name:	BIG WALT	Sampling Condition:	** (See Notes)
Project Number:	03B1417054	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - EDDY, CO.		

**Sample ID: FS - 70 0.25-0.5" (H224051-69)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/07/2022	ND	1.83	91.7	2.00	3.22		
Toluene*	<0.050	0.050	09/07/2022	ND	1.90	95.0	2.00	3.76		
Ethylbenzene*	<0.050	0.050	09/07/2022	ND	1.91	95.5	2.00	3.02		
Total Xylenes*	<0.150	0.150	09/07/2022	ND	5.88	98.0	6.00	2.27		
Total BTEX	<0.300	0.300	09/07/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

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	09/07/2022	ND	400	100	400	3.92		

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	09/07/2022	ND	189	94.7	200	2.22		
DRO >C10-C28*	<10.0	10.0	09/07/2022	ND	197	98.3	200	2.93		
EXT DRO >C28-C36	<10.0	10.0	09/07/2022	ND						

Surrogate: 1-Chlorooctane 86.6 % 45.3-161

Surrogate: 1-Chlorooctadecane 102 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	09/02/2022	Sampling Date:	09/02/2022
Reported:	09/09/2022	Sampling Type:	Soil
Project Name:	BIG WALT	Sampling Condition:	** (See Notes)
Project Number:	03B1417054	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - EDDY, CO.		

**Sample ID: FS - 71 0.25-0.5" (H224051-70)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/07/2022	ND	1.83	91.7	2.00	3.22		
Toluene*	<0.050	0.050	09/07/2022	ND	1.90	95.0	2.00	3.76		
Ethylbenzene*	<0.050	0.050	09/07/2022	ND	1.91	95.5	2.00	3.02		
Total Xylenes*	<0.150	0.150	09/07/2022	ND	5.88	98.0	6.00	2.27		
Total BTEX	<0.300	0.300	09/07/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.9 % 69.9-140

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	09/07/2022	ND	400	100	400	3.92		

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	09/07/2022	ND	189	94.7	200	2.22		
DRO >C10-C28*	<10.0	10.0	09/07/2022	ND	197	98.3	200	2.93		
EXT DRO >C28-C36	<10.0	10.0	09/07/2022	ND						

Surrogate: 1-Chlorooctane 75.3 % 45.3-161

Surrogate: 1-Chlorooctadecane 87.8 % 46.3-178

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**Analytical Results For:**

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

Received:	09/02/2022	Sampling Date:	09/02/2022
Reported:	09/09/2022	Sampling Type:	Soil
Project Name:	BIG WALT	Sampling Condition:	** (See Notes)
Project Number:	03B1417054	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - EDDY, CO.		

**Sample ID: FS - 72 0.25-0.5" (H224051-71)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/07/2022	ND	1.83	91.7	2.00	3.22		
Toluene*	<0.050	0.050	09/07/2022	ND	1.90	95.0	2.00	3.76		
Ethylbenzene*	<0.050	0.050	09/07/2022	ND	1.91	95.5	2.00	3.02		
Total Xylenes*	<0.150	0.150	09/07/2022	ND	5.88	98.0	6.00	2.27		
Total BTEX	<0.300	0.300	09/07/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

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	09/07/2022	ND	400	100	400	3.92		

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	09/07/2022	ND	189	94.7	200	2.22		
DRO >C10-C28*	<10.0	10.0	09/07/2022	ND	197	98.3	200	2.93		
EXT DRO >C28-C36	<10.0	10.0	09/07/2022	ND						

Surrogate: 1-Chlorooctane 90.4 % 45.3-161

Surrogate: 1-Chlorooctadecane 105 % 46.3-178

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

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

Received:	09/02/2022	Sampling Date:	09/02/2022
Reported:	09/09/2022	Sampling Type:	Soil
Project Name:	BIG WALT	Sampling Condition:	** (See Notes)
Project Number:	03B1417054	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - EDDY, CO.		

**Sample ID: FS - 73 0.25-0.5" (H224051-72)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/07/2022	ND	1.83	91.7	2.00	3.22	
Toluene*	<0.050	0.050	09/07/2022	ND	1.90	95.0	2.00	3.76	
Ethylbenzene*	<0.050	0.050	09/07/2022	ND	1.91	95.5	2.00	3.02	
Total Xylenes*	<0.150	0.150	09/07/2022	ND	5.88	98.0	6.00	2.27	
Total BTEX	<0.300	0.300	09/07/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>16.0</b>	16.0	09/07/2022	ND	400	100	400	3.92	

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	09/07/2022	ND	189	94.7	200	2.22	
<b>DRO &gt;C10-C28*</b>	<b>28.4</b>	10.0	09/07/2022	ND	197	98.3	200	2.93	
EXT DRO >C28-C36	<10.0	10.0	09/07/2022	ND					

Surrogate: 1-Chlorooctane 67.7 % 45.3-161

Surrogate: 1-Chlorooctadecane 78.5 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	09/02/2022	Sampling Date:	09/02/2022
Reported:	09/09/2022	Sampling Type:	Soil
Project Name:	BIG WALT	Sampling Condition:	** (See Notes)
Project Number:	03B1417054	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - EDDY, CO.		

**Sample ID: FS - 74 0.25-0.5" (H224051-73)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/07/2022	ND	1.83	91.7	2.00	3.22		
Toluene*	<0.050	0.050	09/07/2022	ND	1.90	95.0	2.00	3.76		
Ethylbenzene*	<0.050	0.050	09/07/2022	ND	1.91	95.5	2.00	3.02		
Total Xylenes*	<0.150	0.150	09/07/2022	ND	5.88	98.0	6.00	2.27		
Total BTEX	<0.300	0.300	09/07/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
<b>Chloride</b>	<b>32.0</b>	16.0	09/07/2022	ND	400	100	400	3.92		

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	09/07/2022	ND	189	94.7	200	2.22		
<b>DRO &gt;C10-C28*</b>	<b>15.8</b>	10.0	09/07/2022	ND	197	98.3	200	2.93		
EXT DRO >C28-C36	<10.0	10.0	09/07/2022	ND						

Surrogate: 1-Chlorooctane 80.6 % 45.3-161

Surrogate: 1-Chlorooctadecane 93.8 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

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

Received:	09/02/2022	Sampling Date:	09/02/2022
Reported:	09/09/2022	Sampling Type:	Soil
Project Name:	BIG WALT	Sampling Condition:	** (See Notes)
Project Number:	03B1417054	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - EDDY, CO.		

**Sample ID: FS - 75 0.25-0.5" (H224051-74)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/07/2022	ND	1.83	91.7	2.00	3.22		
Toluene*	<0.050	0.050	09/07/2022	ND	1.90	95.0	2.00	3.76		
Ethylbenzene*	<0.050	0.050	09/07/2022	ND	1.91	95.5	2.00	3.02		
Total Xylenes*	<0.150	0.150	09/07/2022	ND	5.88	98.0	6.00	2.27		
Total BTEX	<0.300	0.300	09/07/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
<b>Chloride</b>	<b>32.0</b>	16.0	09/07/2022	ND	400	100	400	3.92		

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	09/07/2022	ND	189	94.7	200	2.22		
<b>DRO &gt;C10-C28*</b>	<b>206</b>	10.0	09/07/2022	ND	197	98.3	200	2.93		
<b>EXT DRO &gt;C28-C36</b>	<b>89.1</b>	10.0	09/07/2022	ND						

Surrogate: 1-Chlorooctane 73.9 % 45.3-161

Surrogate: 1-Chlorooctadecane 91.1 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

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

Received:	09/02/2022	Sampling Date:	09/02/2022
Reported:	09/09/2022	Sampling Type:	Soil
Project Name:	BIG WALT	Sampling Condition:	** (See Notes)
Project Number:	03B1417054	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - EDDY, CO.		

**Sample ID: FS - 76 0.25-0.5" (H224051-75)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/07/2022	ND	1.83	91.7	2.00	3.22		
Toluene*	<0.050	0.050	09/07/2022	ND	1.90	95.0	2.00	3.76		
Ethylbenzene*	<0.050	0.050	09/07/2022	ND	1.91	95.5	2.00	3.02		
Total Xylenes*	<0.150	0.150	09/07/2022	ND	5.88	98.0	6.00	2.27		
Total BTEX	<0.300	0.300	09/07/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.7 % 69.9-140

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	09/07/2022	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	09/07/2022	ND	189	94.7	200	2.22		
<b>DRO &gt;C10-C28*</b>	<b>62.4</b>	10.0	09/07/2022	ND	197	98.3	200	2.93		
<b>EXT DRO &gt;C28-C36</b>	<b>34.4</b>	10.0	09/07/2022	ND						

Surrogate: 1-Chlorooctane 72.8 % 45.3-161

Surrogate: 1-Chlorooctadecane 85.4 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	09/02/2022	Sampling Date:	09/02/2022
Reported:	09/09/2022	Sampling Type:	Soil
Project Name:	BIG WALT	Sampling Condition:	** (See Notes)
Project Number:	03B1417054	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - EDDY, CO.		

**Sample ID: FS - 77 0.25-0.5" (H224051-76)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/07/2022	ND	1.83	91.7	2.00	3.22	
Toluene*	<0.050	0.050	09/07/2022	ND	1.90	95.0	2.00	3.76	
Ethylbenzene*	<0.050	0.050	09/07/2022	ND	1.91	95.5	2.00	3.02	
Total Xylenes*	<0.150	0.150	09/07/2022	ND	5.88	98.0	6.00	2.27	
Total BTEX	<0.300	0.300	09/07/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>32.0</b>	16.0	09/07/2022	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	09/07/2022	ND	189	94.7	200	2.22	
<b>DRO &gt;C10-C28*</b>	<b>57.6</b>	10.0	09/07/2022	ND	197	98.3	200	2.93	
<b>EXT DRO &gt;C28-C36</b>	<b>16.2</b>	10.0	09/07/2022	ND					

Surrogate: 1-Chlorooctane 67.3 % 45.3-161

Surrogate: 1-Chlorooctadecane 80.1 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

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

Received:	09/02/2022	Sampling Date:	09/02/2022
Reported:	09/09/2022	Sampling Type:	Soil
Project Name:	BIG WALT	Sampling Condition:	** (See Notes)
Project Number:	03B1417054	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - EDDY, CO.		

**Sample ID: FS - 78 0.25-0.5" (H224051-77)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/07/2022	ND	1.83	91.7	2.00	3.22	
Toluene*	<0.050	0.050	09/07/2022	ND	1.90	95.0	2.00	3.76	
Ethylbenzene*	<0.050	0.050	09/07/2022	ND	1.91	95.5	2.00	3.02	
Total Xylenes*	<0.150	0.150	09/07/2022	ND	5.88	98.0	6.00	2.27	
Total BTEX	<0.300	0.300	09/07/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.7 % 69.9-140

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	09/07/2022	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	09/07/2022	ND	189	94.7	200	2.22	
DRO >C10-C28*	<10.0	10.0	09/07/2022	ND	197	98.3	200	2.93	
EXT DRO >C28-C36	<10.0	10.0	09/07/2022	ND					

Surrogate: 1-Chlorooctane 98.0 % 45.3-161

Surrogate: 1-Chlorooctadecane 116 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	09/02/2022	Sampling Date:	09/02/2022
Reported:	09/09/2022	Sampling Type:	Soil
Project Name:	BIG WALT	Sampling Condition:	** (See Notes)
Project Number:	03B1417054	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - EDDY, CO.		

**Sample ID: FS - 79 0.25-0.5" (H224051-78)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/07/2022	ND	1.83	91.7	2.00	3.22	
Toluene*	<0.050	0.050	09/07/2022	ND	1.90	95.0	2.00	3.76	
Ethylbenzene*	<0.050	0.050	09/07/2022	ND	1.91	95.5	2.00	3.02	
Total Xylenes*	<0.150	0.150	09/07/2022	ND	5.88	98.0	6.00	2.27	
Total BTEX	<0.300	0.300	09/07/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

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	09/07/2022	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	09/07/2022	ND	189	94.7	200	2.22	
DRO >C10-C28*	<10.0	10.0	09/07/2022	ND	197	98.3	200	2.93	
EXT DRO >C28-C36	<10.0	10.0	09/07/2022	ND					

Surrogate: 1-Chlorooctane 81.3 % 45.3-161

Surrogate: 1-Chlorooctadecane 94.4 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

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

Received:	09/02/2022	Sampling Date:	09/02/2022
Reported:	09/09/2022	Sampling Type:	Soil
Project Name:	BIG WALT	Sampling Condition:	** (See Notes)
Project Number:	03B1417054	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - EDDY, CO.		

**Sample ID: FS - 80 0.25-0.5" (H224051-79)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/07/2022	ND	1.83	91.7	2.00	3.22	
Toluene*	<0.050	0.050	09/07/2022	ND	1.90	95.0	2.00	3.76	
Ethylbenzene*	<0.050	0.050	09/07/2022	ND	1.91	95.5	2.00	3.02	
Total Xylenes*	<0.150	0.150	09/07/2022	ND	5.88	98.0	6.00	2.27	
Total BTEX	<0.300	0.300	09/07/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>32.0</b>	16.0	09/07/2022	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	09/07/2022	ND	189	94.7	200	2.22	
<b>DRO &gt;C10-C28*</b>	<b>18.0</b>	10.0	09/07/2022	ND	197	98.3	200	2.93	
EXT DRO >C28-C36	<10.0	10.0	09/07/2022	ND					

Surrogate: 1-Chlorooctane 75.5 % 45.3-161

Surrogate: 1-Chlorooctadecane 89.9 % 46.3-178

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

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

Received:	09/02/2022	Sampling Date:	09/02/2022
Reported:	09/09/2022	Sampling Type:	Soil
Project Name:	BIG WALT	Sampling Condition:	** (See Notes)
Project Number:	03B1417054	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - EDDY, CO.		

**Sample ID: FS - 81 0.25-0.5" (H224051-80)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/07/2022	ND	1.83	91.7	2.00	3.22		
Toluene*	<0.050	0.050	09/07/2022	ND	1.90	95.0	2.00	3.76		
Ethylbenzene*	<0.050	0.050	09/07/2022	ND	1.91	95.5	2.00	3.02		
Total Xylenes*	<0.150	0.150	09/07/2022	ND	5.88	98.0	6.00	2.27		
Total BTEX	<0.300	0.300	09/07/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

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	09/07/2022	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	09/07/2022	ND	197	98.3	200	0.208		
<b>DRO &gt;C10-C28*</b>	<b>22.7</b>	10.0	09/07/2022	ND	207	103	200	0.438		
EXT DRO >C28-C36	<10.0	10.0	09/07/2022	ND						

Surrogate: 1-Chlorooctane 81.0 % 45.3-161

Surrogate: 1-Chlorooctadecane 91.9 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	09/02/2022	Sampling Date:	09/02/2022
Reported:	09/09/2022	Sampling Type:	Soil
Project Name:	BIG WALT	Sampling Condition:	** (See Notes)
Project Number:	03B1417054	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - EDDY, CO.		

**Sample ID: FS - 82 0.25-0.5" (H224051-81)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/07/2022	ND	1.84	92.0	2.00	4.17	
Toluene*	<0.050	0.050	09/07/2022	ND	1.91	95.3	2.00	5.55	
Ethylbenzene*	<0.050	0.050	09/07/2022	ND	1.91	95.6	2.00	3.61	
Total Xylenes*	<0.150	0.150	09/07/2022	ND	5.97	99.5	6.00	4.22	
Total BTEX	<0.300	0.300	09/07/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>16.0</b>	16.0	09/07/2022	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	09/07/2022	ND	197	98.3	200	0.208	
<b>DRO &gt;C10-C28*</b>	<b>104</b>	10.0	09/07/2022	ND	207	103	200	0.438	
<b>EXT DRO &gt;C28-C36</b>	<b>30.7</b>	10.0	09/07/2022	ND					

Surrogate: 1-Chlorooctane 76.3 % 45.3-161

Surrogate: 1-Chlorooctadecane 97.1 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	09/02/2022	Sampling Date:	09/02/2022
Reported:	09/09/2022	Sampling Type:	Soil
Project Name:	BIG WALT	Sampling Condition:	** (See Notes)
Project Number:	03B1417054	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - EDDY, CO.		

**Sample ID: FS - 83 0.25-0.5" (H224051-82)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/07/2022	ND	1.84	92.0	2.00	4.17	
Toluene*	<0.050	0.050	09/07/2022	ND	1.91	95.3	2.00	5.55	
Ethylbenzene*	<0.050	0.050	09/07/2022	ND	1.91	95.6	2.00	3.61	
Total Xylenes*	<0.150	0.150	09/07/2022	ND	5.97	99.5	6.00	4.22	
Total BTEX	<0.300	0.300	09/07/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

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	09/07/2022	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	09/07/2022	ND	197	98.3	200	0.208	
DRO >C10-C28*	<10.0	10.0	09/07/2022	ND	207	103	200	0.438	
EXT DRO >C28-C36	<10.0	10.0	09/07/2022	ND					

Surrogate: 1-Chlorooctane 83.7 % 45.3-161

Surrogate: 1-Chlorooctadecane 93.2 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	09/02/2022	Sampling Date:	09/02/2022
Reported:	09/09/2022	Sampling Type:	Soil
Project Name:	BIG WALT	Sampling Condition:	** (See Notes)
Project Number:	03B1417054	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - EDDY, CO.		

**Sample ID: FS - 84 0.25-0.5" (H224051-83)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/07/2022	ND	1.84	92.0	2.00	4.17		
Toluene*	<0.050	0.050	09/07/2022	ND	1.91	95.3	2.00	5.55		
Ethylbenzene*	<0.050	0.050	09/07/2022	ND	1.91	95.6	2.00	3.61		
Total Xylenes*	<0.150	0.150	09/07/2022	ND	5.97	99.5	6.00	4.22		
Total BTEX	<0.300	0.300	09/07/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

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	09/07/2022	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	09/07/2022	ND	197	98.3	200	0.208		
<b>DRO &gt;C10-C28*</b>	<b>20.2</b>	10.0	09/07/2022	ND	207	103	200	0.438		
EXT DRO >C28-C36	<10.0	10.0	09/07/2022	ND						

Surrogate: 1-Chlorooctane 77.7 % 45.3-161

Surrogate: 1-Chlorooctadecane 86.1 % 46.3-178

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**Analytical Results For:**

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

Received:	09/02/2022	Sampling Date:	09/02/2022
Reported:	09/09/2022	Sampling Type:	Soil
Project Name:	BIG WALT	Sampling Condition:	** (See Notes)
Project Number:	03B1417054	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - EDDY, CO.		

**Sample ID: FS - 85 0.25-0.5" (H224051-84)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/07/2022	ND	1.84	92.0	2.00	4.17		
Toluene*	<0.050	0.050	09/07/2022	ND	1.91	95.3	2.00	5.55		
Ethylbenzene*	<0.050	0.050	09/07/2022	ND	1.91	95.6	2.00	3.61		
Total Xylenes*	<0.150	0.150	09/07/2022	ND	5.97	99.5	6.00	4.22		
Total BTEX	<0.300	0.300	09/07/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

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	09/07/2022	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	09/07/2022	ND	197	98.3	200	0.208		
DRO >C10-C28*	<10.0	10.0	09/07/2022	ND	207	103	200	0.438		
EXT DRO >C28-C36	<10.0	10.0	09/07/2022	ND						

Surrogate: 1-Chlorooctane 84.6 % 45.3-161

Surrogate: 1-Chlorooctadecane 91.2 % 46.3-178

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**Analytical Results For:**

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

Received:	09/02/2022	Sampling Date:	09/02/2022
Reported:	09/09/2022	Sampling Type:	Soil
Project Name:	BIG WALT	Sampling Condition:	** (See Notes)
Project Number:	03B1417054	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - EDDY, CO.		

**Sample ID: FS - 86 0.25-0.5" (H224051-85)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/07/2022	ND	1.84	92.0	2.00	4.17	
Toluene*	<0.050	0.050	09/07/2022	ND	1.91	95.3	2.00	5.55	
Ethylbenzene*	<0.050	0.050	09/07/2022	ND	1.91	95.6	2.00	3.61	
Total Xylenes*	<0.150	0.150	09/07/2022	ND	5.97	99.5	6.00	4.22	
Total BTEX	<0.300	0.300	09/07/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

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	09/07/2022	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	09/07/2022	ND	197	98.3	200	0.208	
<b>DRO &gt;C10-C28*</b>	<b>1770</b>	10.0	09/07/2022	ND	207	103	200	0.438	
<b>EXT DRO &gt;C28-C36</b>	<b>593</b>	10.0	09/07/2022	ND					

Surrogate: 1-Chlorooctane 88.5 % 45.3-161

Surrogate: 1-Chlorooctadecane 143 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	09/02/2022	Sampling Date:	09/02/2022
Reported:	09/09/2022	Sampling Type:	Soil
Project Name:	BIG WALT	Sampling Condition:	** (See Notes)
Project Number:	03B1417054	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - EDDY, CO.		

**Sample ID: FS - 87 0.25-0.5" (H224051-86)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/07/2022	ND	1.84	92.0	2.00	4.17		
Toluene*	<0.050	0.050	09/07/2022	ND	1.91	95.3	2.00	5.55		
Ethylbenzene*	<0.050	0.050	09/07/2022	ND	1.91	95.6	2.00	3.61		
Total Xylenes*	<0.150	0.150	09/07/2022	ND	5.97	99.5	6.00	4.22		
Total BTEX	<0.300	0.300	09/07/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

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	09/07/2022	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	09/08/2022	ND	197	98.3	200	0.208		
DRO >C10-C28*	<10.0	10.0	09/08/2022	ND	207	103	200	0.438		
EXT DRO >C28-C36	<10.0	10.0	09/08/2022	ND						

Surrogate: 1-Chlorooctane 77.8 % 45.3-161

Surrogate: 1-Chlorooctadecane 84.2 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	09/02/2022	Sampling Date:	09/02/2022
Reported:	09/09/2022	Sampling Type:	Soil
Project Name:	BIG WALT	Sampling Condition:	** (See Notes)
Project Number:	03B1417054	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - EDDY, CO.		

**Sample ID: FS - 88 0.25-0.5" (H224051-87)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/07/2022	ND	1.84	92.0	2.00	4.17		
Toluene*	<0.050	0.050	09/07/2022	ND	1.91	95.3	2.00	5.55		
Ethylbenzene*	<0.050	0.050	09/07/2022	ND	1.91	95.6	2.00	3.61		
Total Xylenes*	<0.150	0.150	09/07/2022	ND	5.97	99.5	6.00	4.22		
Total BTEX	<0.300	0.300	09/07/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

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	09/07/2022	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	09/07/2022	ND	197	98.3	200	0.208		
DRO >C10-C28*	<10.0	10.0	09/07/2022	ND	207	103	200	0.438		
EXT DRO >C28-C36	<10.0	10.0	09/07/2022	ND						

Surrogate: 1-Chlorooctane 89.6 % 45.3-161

Surrogate: 1-Chlorooctadecane 98.6 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

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

Received:	09/02/2022	Sampling Date:	09/02/2022
Reported:	09/09/2022	Sampling Type:	Soil
Project Name:	BIG WALT	Sampling Condition:	** (See Notes)
Project Number:	03B1417054	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - EDDY, CO.		

**Sample ID: FS - 89 0.25-0.5" (H224051-88)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/07/2022	ND	1.84	92.0	2.00	4.17	
Toluene*	<0.050	0.050	09/07/2022	ND	1.91	95.3	2.00	5.55	
Ethylbenzene*	<0.050	0.050	09/07/2022	ND	1.91	95.6	2.00	3.61	
Total Xylenes*	<0.150	0.150	09/07/2022	ND	5.97	99.5	6.00	4.22	
Total BTEX	<0.300	0.300	09/07/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

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	09/07/2022	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	09/07/2022	ND	197	98.3	200	0.208	
DRO >C10-C28*	<10.0	10.0	09/07/2022	ND	207	103	200	0.438	
EXT DRO >C28-C36	<10.0	10.0	09/07/2022	ND					

Surrogate: 1-Chlorooctane 79.8 % 45.3-161

Surrogate: 1-Chlorooctadecane 87.6 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	09/02/2022	Sampling Date:	09/02/2022
Reported:	09/09/2022	Sampling Type:	Soil
Project Name:	BIG WALT	Sampling Condition:	** (See Notes)
Project Number:	03B1417054	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - EDDY, CO.		

**Sample ID: FS - 90 0.25-0.5" (H224051-89)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/07/2022	ND	1.84	92.0	2.00	4.17	
Toluene*	<0.050	0.050	09/07/2022	ND	1.91	95.3	2.00	5.55	
Ethylbenzene*	<0.050	0.050	09/07/2022	ND	1.91	95.6	2.00	3.61	
Total Xylenes*	<0.150	0.150	09/07/2022	ND	5.97	99.5	6.00	4.22	
Total BTEX	<0.300	0.300	09/07/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

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	09/07/2022	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	09/07/2022	ND	197	98.3	200	0.208	
DRO >C10-C28*	<10.0	10.0	09/07/2022	ND	207	103	200	0.438	
EXT DRO >C28-C36	<10.0	10.0	09/07/2022	ND					

Surrogate: 1-Chlorooctane 83.8 % 45.3-161

Surrogate: 1-Chlorooctadecane 91.7 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	09/02/2022	Sampling Date:	09/02/2022
Reported:	09/09/2022	Sampling Type:	Soil
Project Name:	BIG WALT	Sampling Condition:	** (See Notes)
Project Number:	03B1417054	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - EDDY, CO.		

**Sample ID: FS - 91 0.25-0.5" (H224051-90)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/07/2022	ND	1.84	92.0	2.00	4.17	
Toluene*	<0.050	0.050	09/07/2022	ND	1.91	95.3	2.00	5.55	
Ethylbenzene*	<0.050	0.050	09/07/2022	ND	1.91	95.6	2.00	3.61	
Total Xylenes*	<0.150	0.150	09/07/2022	ND	5.97	99.5	6.00	4.22	
Total BTEX	<0.300	0.300	09/07/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

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	09/07/2022	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	09/07/2022	ND	197	98.3	200	0.208	
<b>DRO &gt;C10-C28*</b>	<b>45.6</b>	10.0	09/07/2022	ND	207	103	200	0.438	
EXT DRO >C28-C36	<10.0	10.0	09/07/2022	ND					

Surrogate: 1-Chlorooctane 70.3 % 45.3-161

Surrogate: 1-Chlorooctadecane 81.4 % 46.3-178

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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

Celey D. Keene, Lab Director/Quality Manager





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(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

208

BILL TO

ANALYSIS REQUEST

Company Name: Ensolum, LLC  
 Project Manager: 601 N. Marland St. STE 400  
 Address: Midland State: TX Zip: 79701  
 City: Midland  
 Phone #: 432 230 3344 Fax #: 432 230 3344  
 Project #: 0381417054 Project Owner: OXY  
 Project Name: B. J. Waller  
 Project Location: Eddy Co.  
 Sampler Name: SHANE DICKEY  
 P.O. #: \_\_\_\_\_ Company: Oxy USA, Inc.  
 Attn: Wade Dittich  
 Address: \_\_\_\_\_  
 City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_  
 Phone #: 575-390-2828  
 Fax #: \_\_\_\_\_

Lab I.D.	Sample I.D.	Sample Depth	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX							DATE	TIME	TPH 8015 M	BTEX 80216	Chlorides 4500	
					GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER	ACID/BASE:						ICE / COOL
11	FS-11	0-025	C	1	X								9-2-22	844	X	X	X
12	FS-12	0-025	C	1	X								9-2-22	852	X	X	X
13	FS-13	0-025	C	1	X								9-2-22	809	X	X	X
14	FS-14	0-025	C	1	X								9-2-22	811	X	X	X
15	FS-15	0-025	C	1	X								9-2-22	813	X	X	X
16	FS-16	0-025	C	1	X								9-2-22	815	X	X	X
17	FS-17	0-025	C	1	X								9-2-22	817	X	X	X
18	FS-18	0-025	C	1	X								9-2-22	818	X	X	X
19	FS-19	0-025	C	1	X								9-2-22	819	X	X	X
20	FS-20	0-025	C	1	X								9-2-22	820	X	X	X

TIME 802 805

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Relinquished By: [Signature]  
 Date: 9-2-22  
 Time: 104  
 Received By: [Signature]  
 Date: \_\_\_\_\_  
 Time: \_\_\_\_\_

Delivered By: (Circle One)  UPS  Bus  Other: \_\_\_\_\_  
 Observed Temp: 30.7°C  
 Corrected Temp: 30.1°C  
 Sample Condition:  Intact  Cool  Yes  No  
 CHECKED BY: [Signature] (Initials)  
 Turnaround Time: \_\_\_\_\_ Standard  Rush   
 Thermometer ID #113  
 Correction Factor: -0.6°C  
 Bacteria (only) Sample Condition:  Intact  Cool  Yes  No  
 Corrected Temp: \_\_\_\_\_ °C

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**CHAIN-OF-CUSTODY AND ANALYSIS REQUEST**

**BILL TO**

**ANALYSIS REQUEST**

Company Name: Ensolum, LLC  
 Project Manager: P.O. #:  
 Address: 601 N. Marientfeld St. STE 400 Company: Oxy USA, Inc.  
 City: Midland State: TX Zip: 79701 Attn: Wade Dittich  
 Phone #: 332 230 3344 Fax #: Address:  
 Project #: 0381411054 Project Owner: Oxy City:  
 Project Name: Big Well State: Zip:  
 Project Location: Eddy Co. Phone #: 575-390-2828  
 Sampler Name: SHANE DICKEY Fax #:

Lab I.D.	Sample I.D.	Sample Depth (feet) IN	(G)RAB OR (C)OMP.	MATRIX							DATE	TIME	TPH 8015 M	BTEX 8021b	Chlorides 4500		
				# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :						ACID/BASE:	ICE / COOL
1844051	RS-21	0-225	C	1	X								9-2-22	821	X	X	X
23	RS-22	0-225	C	1	X								9-2-22	822	X	X	X
23	RS-23	0-225	C	1	X								9-2-22	824	X	X	X
24	RS-24	0-225	C	1	X								9-2-22	826	X	X	X
25	RS-25	0-225	C	1	X								9-2-22	828	X	X	X
26	RS-26	0-225	C	1	X								9-2-22	830	X	X	X
27	RS-27	0-225	C	1	X								9-2-22	832	X	X	X
28	RS-28	0-225	C	1	X								9-2-22	834	X	X	X
29	RS-29	0-225	C	1	X								9-2-22	836	X	X	X
30	RS-30	0-225	C	1	X								9-2-22	838	X	X	X

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Relinquished By: [Signature]  
 Date: 9-2-22  
 Time: 1514  
 Received By: [Signature]  
 Date: [Blank]  
 Time: [Blank]

Delivered By: (Circle One)  
 Sampler - UPS - Bus - Other: [Blank]  
 Observed Temp: 30.7°C  
 Corrected Temp: 30.1°C  
 Sample Condition: Cool Intact [Checked]  
 Checked By: [Signature]  
 Turnaround Time: Standard [Checked] Rush [Blank]  
 Bacteria (only) Sample Condition: Cool Intact [Checked]  
 Corrected Temp: [Blank]

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



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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

BILL TO

ANALYSIS REQUEST

Company Name: Ensolum, LLC  
 Project Manager: 601 N. Marientfield St. STE 400  
 Address: Midland State: TX Zip: 79701  
 City: Phone #: 732 230 3344 Fax #: Project Owner: Oxy  
 Project #: 0381417054  
 Project Name: Big Well  
 Project Location: Eddy Co.  
 Sampler Name: SHARIE DICKEY  
 P.O. #: Company: Oxy USA, Inc.  
 Attn: Wade Dittich  
 Address: City: State: Zip: Phone #: 575-390-2828  
 Fax #:

Lab I.D.	Sample I.D.	Sample Depth (feet)	(G)RAB OR (C)OMP	# CONTAINERS	MATRIX							DATE	TIME	TPH 8015 M	BTEX 80216	Chlorides 4500
					GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER	ACID/BASE					
1621051	FS-31	0-0.25	C	1	X							9-2-22	840	X	X	X
	FS-32	0-0.25	C	1	X							9-2-22	841	X	X	X
	FS-33	0-0.25	C	1	X							9-2-22	852	X	X	X
	FS-34	0-0.25	C	1	X							9-2-22	854	X	X	X
	FS-35	0-0.25	C	1	X							9-2-22	856	X	X	X
	FS-36	0-0.25	C	1	X							9-2-22	858	X	X	X
	FS-37	0-0.25	C	1	X							9-2-22	900	X	X	X
	FS-38	0-0.25	C	1	X							9-2-22	901	X	X	X
	FS-39	0-0.25	C	1	X							9-2-22	902	X	X	X
	FS-40	0-0.25	C	1	X							9-2-22	903	X	X	X

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Relinquished By: *SHARIE DICKEY* Date: 9-2-22 Time: 1514  
 Received By: *Shadrignon* Date: 9-2-22 Time: 1514  
 Verbal Result:  Yes  No Add'l Phone #: 8.jennings@ensolum.com  
 All Results are emailed. Please provide Email address:  
 REMARKS:

Delivered By: (Circle One) Observed Temp: 30.7°C Sample Condition: Intact  
 Cooler Temp: 30.1°C Cool Intact:  Yes  No  
 Cooler Temp: 30.1°C No:  Yes  No  
 Checked By: (Initials) *SR*  
 Turnaround Time: Standard  Rush   
 Bacteria (only) Sample Condition: Cool Intact:  Yes  No  
 Corrected Temp: 30.1°C

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

BILL TO

ANALYSIS REQUEST

Company Name: Ensolium, LLC  
 Project Manager: 601 N. Marientfield St. STE 400  
 Address: Midland State: TX Zip: 79701  
 City: Phone #: 432 230 3344 Fax #: 432 230 3344  
 Project #: 0381417054 Project Owner: Oxy  
 Project Name: Big Wall  
 Project Location: Eddy Co.  
 Sampler Name: SHANE DICKEY  
 P.O. #: Company: Oxy USA, Inc.  
 Attn: Wade Dittich  
 Address: City: State: Zip:  
 Phone #: 575-390-2828 Fax #:

Lab I.D.	Sample I.D.	Sample Depth (feet) IN	(G)RAB OR (C)OMP	# CONTAINERS	MATRIX							DATE	TIME	ANALYSIS	
					GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER	ACID/BASE				ICE / COOL
41	FS-41	0-0.25	C	1	X								9-2-22	904	TPH 8015 M
42	FS-42	0-.25	C	1	X								9-2-22	905	BTEX 8021.6
43	FS-43	0-.25	C	1	X								9-2-22	906	Chlorides 4500
44	FS-44	0-.25	C	1	X								9-2-22	907	
45	FS-45	0-.25	C	1	X								9-2-22	908	
46	FS-46	0-.25	C	1	X								9-2-22	913	
47	FS-47	0-.25	C	1	X								9-2-22	915	
48	FS-48	0-.25	C	1	X								9-2-22	917	
49	FS-49	0-.25	C	1	X								9-2-22	919	
50	FS-50	0-.25	C	1	X								9-2-22	921	

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Relinquished By: [Signature]  
 Date: 9-2-22  
 Time: 1514  
 Received By: [Signature]  
 Date: [Blank]  
 Time: [Blank]

Delivered By: (Circle One)  UPS  Bus  Other  
 Observed Temp: 30.7°C  
 Corrected Temp: 30.1°C  
 Sample Condition:  Cool  Intact  
 Checked By: [Signature]  
 Turnaround Time: Standard  Rush   
 Bacteria (only)  Sample Condition  Observed Temp. °C  
 Corrected Temp. °C



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**CHAIN-OF-CUSTODY AND ANALYSIS REQUEST**

**BILL TO**

**ANALYSIS REQUEST**

Company Name: Ensolum, LLC  
 Project Manager: 601 N. Marlandfield St. STE 400  
 Address: Midland State: TX Zip: 79701  
 City: Midland  
 Phone #: 432 230 7344 Fax #: 432 230 7344  
 Project #: 0381417054 Project Owner: Oxy  
 Project Name: Big Well  
 Project Location: Eddy Co.  
 Sample Name: SHANE DICER  
 P.O. #: Company: Oxy USA, Inc.  
 Attn: Wade Dittich  
 Address: City: State: Zip: 575-390-2828  
 Phone #: 575-390-2828  
 Fax #:

Lab I.D.	Sample I.D.	Sample Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	ANALYSIS
					GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :			
181051	FS-51	0-0.25	C	1	X						9-2-22	9:23	TPH 8015 M
	FS-52	0-0.25	C	1	X						9-2-22	9:34	BTEX 80216
	FS-53	0-0.25	C	1	X						9-2-22	9:36	Chlorides 4500
	FS-54	0-0.25	C	1	X						9-2-22	9:38	
	FS-55	0-0.25	C	1	X						9-2-22	9:40	
	FS-56	0-0.25	C	1	X						9-2-22	9:42	
	FS-57	0-0.25	C	1	X						9-2-22	9:44	
	FS-58	0-0.25	C	1	X						9-2-22	9:46	
	FS-59	0-0.25	C	1	X						9-2-22	9:48	
	FS-60	0-0.25	C	1	X						9-2-22	9:50	

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Relinquished By: [Signature]  
 Date: 9/2/22  
 Time: 1514  
 Received By: [Signature]  
 Date: 9/2/22  
 Time: 1514  
 Turnaround Time: Standard Rush  
 Thermometer ID #113 Correction Factor -0.1cc  
 Bacteria (only) Sample Condition Cool Intact Observed Temp. °C  
 Add'l Phone #: Bjenning@ensolum.com

Delivered By: (Circle One) UPS - Bus - Other: Corrected Temp. °C  
 Sample Condition Cool Intact Yes No  
 CHECKED BY: [Signature]  
 Remarks: Cardinal cannot accept verbal changes. Please email changes to cely.keene@cardinallabsnm.com



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

**CHAIN-OF-CUSTODY AND ANALYSIS REQUEST**

**BILL TO**

**ANALYSIS REQUEST**

Company Name: Ensolum, LLC	P.O. #:
Project Manager: 601 N. Marientfield St. STE 400	Company: Oxy USA, Inc.
City: Midland State: TX Zip: 79701	Attn: Wade Dittrich
Phone #: 432 230 3344 Fax #:	Address:
Project #: 03B1417054 Project Owner: OKY	City:
Project Name: B.g Wells	State: Zip:
Project Location: Eddy Co	Phone #: 575-390-2828
Sampler Name: SHANE DICER	Fax #:

Lab I.D.	Sample I.D.	Sample Depth feet IN	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX							DATE	TIME	TPH	BTEX	Chlorides
					GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:					
101	F5-62	1.25-.5										9-2-22	953	X	X	X
102	F5-63	1.25-.5										9-2-22	955	X	X	X
103	F5-64	1.25-.5										9-2-22	957	X	X	X
104	F5-65	1.25-.5										9-2-22	1010	X	X	X
105	F5-66	1.25-.5										9-2-22	1014	X	X	X
106	F5-67	1.25-.5										9-2-22	1016	X	X	X
107	F5-68	1.25-.5										9-2-22	1018	X	X	X
108	F5-69	1.25-.5										9-2-22	1020	X	X	X
109	F5-70	1.25-.5										9-2-22	1022	X	X	X
110	F5-71	1.25-.5										9-2-22	1022	X	X	X

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Relinquished By: *[Signature]* Date: 9-2-22 Time: 1514  
 Received By: *[Signature]* Date: 9-2-22 Time: 1514

Observed Temp. 30.70 Corrected Temp. 30.10  
 Sample Condition: Cool Intact  Yes  No

Checked By: *[Signature]*

Turnaround Time: Standard  Rush  Bacteria (only)  Sample Condition  Cool Intact  Yes  No

Thermometer ID #113 Correction Factor: 0.10°C

Delivered By: (Circle One)  UPS  Bus  Other

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



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**CHAIN-OF-CUSTODY AND ANALYSIS REQUEST**

**BILL TO**

**ANALYSIS REQUEST**

Company Name: Ensolum, LLC  
 Project Manager: 601 N. Marientfield St. STE 400  
 Address: Midland State: TX Zip: 79701  
 City: Midland  
 Phone #: 432 230 3344 Fax #: 432 230 3344  
 Project #: 0381417054 Project Owner: OXY  
 Project Name: B. g. Wells  
 Project Location: Eddy Co  
 Sampler Name: SHANE DICKEY  
 P.O. #: Company: Oxy USA, Inc.  
 Attn: Wade Dittich  
 Address: City: State: Zip: 575-390-2828  
 Phone #: 575-390-2828  
 Fax #:

Lab I.D.	Sample I.D.	Sample Depth feet in	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX							DATE	TIME	TPH	BTEX	Chlorides
					GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:					
H024051	F5-92	.25-.5										9-2-22	1024	X	X	X
	F5-93	.25-.5										9-2-22	1026	X	X	X
	F5-94	.25-.5										9-2-22	1027	X	X	X
	F5-95	.25-.5										9-2-22	1028	X	X	X
	F5-96	.25-.5										9-2-22	1029	X	X	X
	F5-97	.25-.5										9-2-22	1030	X	X	X
	F5-98	.25-.5										9-2-22	1032	X	X	X
	F5-99	.25-.5										9-2-22	1034	X	X	X
	F5-90	.25-.5										9-2-22	1036	X	X	X
	F5-81	.25-.5										9-2-22	1038	X	X	X

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Relinquished By: [Signature]  
 Date: 9-2-22  
 Time: 1514  
 Received By: [Signature]  
 Date: 9-2-22  
 Time: 1514  
 Received By: [Signature]

Delivered By: (Circle One)  
 UPS - Bus - Other: [X] UPS [ ] Bus [ ] Other [ ]  
 Observed Temp: 30.7°C  
 Corrected Temp: 30.1°C  
 Sample Condition: Cool Intact [X] Yes [ ] No [ ]  
 Checked By: [Signature]

Vertical Result:  Yes  No  Add'l Phone #:  
 All Results are emailed. Please provide Email address: Blennings@ensolum.com

Turnaround Time: Standard [X] Rush [ ]  
 Thermometer ID #113  
 Correction Factor: 0.10°C  
 Bacteria (only) Sample Condition: Cool Intact [X] Yes [ ] No [ ]  
 Corrected Temp. °C

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



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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

BILL TO

ANALYSIS REQUEST

Company Name: Ensolum, LLC  
 Project Manager: 601 N. Marientfield St. STE 400  
 Address: Midland State: TX Zip: 79701  
 Phone #: 432 230 3344 Fax #: 432 230 3344  
 Project #: 0331417054 Project Owner: OXY  
 Project Name: B. G. Wells  
 Project Location: Eddy Co  
 Sampler Name: SHANE DICKEY  
 P.O. #: Company: Oxy USA, Inc.  
 Attn: Wade Diltich  
 Address: City: State: Zip:  
 Phone #: 575-390-2828  
 Fax #:

Lab I.D.	Sample I.D.	Sample Depth <i>They</i>	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX							DATE	TIME	TPH 8015	BTEX 80216	Chlorides 4500
					GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:					
HB24051	FS-82	1.25-.5			X							9-2-22	1040	X	X	X
	FS-85	1.25-.5			X							9-2-22	1042	X	X	X
	FS-84	1.25-.5			X							9-2-22	1044	X	X	X
	FS-85	1.25-.5			X							9-2-22	1046	X	X	X
	FS-86	1.25-.5			X							9-2-22	1048	X	X	X
	FS-87	1.25-.5			X							9-2-22	1050	X	X	X
	FS-89	1.25-.5			X							9-2-22	1052	X	X	X
	FS-90	1.25-.5			X							9-2-22	1054	X	X	X
	FS-91	1.25-.5			X							9-2-22	1056	X	X	X
	FS-91	1.25-.5			X							9-2-22	1058	X	X	X

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Relinquished By: *[Signature]* Date: *9/22*  
 Received By: *[Signature]* Date: *9/22*  
 Relinquished By: *[Signature]* Date: *9/22*  
 Received By: *[Signature]* Date: *9/22*

Delivered By: (Circle One) Observed Temp: *30.70* Sample Condition:  Intact  Cool  Yes  No  
 Corrected Temp: *30.10* Corrected Temp: *30.10*  Yes  No  
 Sampler - UPS - Bus - Other: *Other*

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



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

September 08, 2022

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

RE: BIG WALT

Enclosed are the results of analyses for samples received by the laboratory on 09/02/22 15:14.

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](http://www.tceq.texas.gov/field/ga/lab_accred_certif.html).

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

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

Cardinal Laboratories is accredited through the State of New Mexico Environment Department for:

Method SM 9223-B	Total Coliform and E. coli (Colilert MMO-MUG)
Method EPA 524.2	Regulated VOCs and Total Trihalomethanes (TTHM)
Method EPA 552.2	Total Haloacetic Acids (HAA-5)

Accreditation applies to public drinking water matrices for State of Colorado and New Mexico.

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



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: BIG WALT Project Number: 03B1417054 Project Manager: BEAUX JENNINGS Fax To:	Reported: 08-Sep-22 15:23
--	---	------------------------------

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
FS - 92 0.25-0.5"	H224052-01	Soil	02-Sep-22 11:00	02-Sep-22 15:14
FS - 93 0.25-0.5"	H224052-02	Soil	02-Sep-22 11:02	02-Sep-22 15:14
FS - 94 0.25-0.5"	H224052-03	Soil	02-Sep-22 11:04	02-Sep-22 15:14
FS - 95 0.25-0.5"	H224052-04	Soil	02-Sep-22 11:06	02-Sep-22 15:14
FS - 96 0.25-0.5"	H224052-05	Soil	02-Sep-22 11:08	02-Sep-22 15:14
FS - 97 0.25-0.5"	H224052-06	Soil	02-Sep-22 11:10	02-Sep-22 15:14
FS - 98 0.25-0.5"	H224052-07	Soil	02-Sep-22 11:12	02-Sep-22 15:14
FS - 99 0.25-0.5"	H224052-08	Soil	02-Sep-22 11:14	02-Sep-22 15:14
FS - 100 0.25-0.5"	H224052-09	Soil	02-Sep-22 11:16	02-Sep-22 15:14
FS - 101 0.25-0.5"	H224052-10	Soil	02-Sep-22 11:18	02-Sep-22 15:14
FS - 102 0.25-0.5"	H224052-11	Soil	02-Sep-22 11:20	02-Sep-22 15:14
FS - 103 0.25-0.5"	H224052-12	Soil	02-Sep-22 11:22	02-Sep-22 15:14
FS - 104 0.25-0.5"	H224052-13	Soil	02-Sep-22 11:24	02-Sep-22 15:14
FS - 105 0.25-0.5"	H224052-14	Soil	02-Sep-22 11:26	02-Sep-22 15:14
FS - 106 0.25-0.5"	H224052-15	Soil	02-Sep-22 11:28	02-Sep-22 15:14
FS - 107 0.25-0.5"	H224052-16	Soil	02-Sep-22 11:30	02-Sep-22 15:14
FS - 108 0.25-0.5"	H224052-17	Soil	02-Sep-22 11:31	02-Sep-22 15:14
FS - 109 0.25-0.5"	H224052-18	Soil	02-Sep-22 11:32	02-Sep-22 15:14
FS - 110 0.25-0.5"	H224052-19	Soil	02-Sep-22 11:33	02-Sep-22 15:14
FS - 111 0.25-0.5"	H224052-20	Soil	02-Sep-22 11:34	02-Sep-22 15:14
FS - 112 0.25-0.5"	H224052-21	Soil	02-Sep-22 11:35	02-Sep-22 15:14
FS - 113 0.25-0.5"	H224052-22	Soil	02-Sep-22 11:36	02-Sep-22 15:14
FS - 114 0.25-0.5"	H224052-23	Soil	02-Sep-22 11:37	02-Sep-22 15:14
FS - 115 0.25-0.5"	H224052-24	Soil	02-Sep-22 11:38	02-Sep-22 15:14
FS - 116 0.25-0.5"	H224052-25	Soil	02-Sep-22 11:39	02-Sep-22 15:14
FS - 117 0.25-0.5"	H224052-26	Soil	02-Sep-22 11:40	02-Sep-22 15:14
FS - 118 0.25-0.5"	H224052-27	Soil	02-Sep-22 11:41	02-Sep-22 15:14

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: BIG WALT Project Number: 03B1417054 Project Manager: BEAUX JENNINGS Fax To:	Reported: 08-Sep-22 15:23
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FS - 119	0.25-0.5"	H224052-28	Soil	02-Sep-22 11:42	02-Sep-22 15:14
FS - 120	0.25-0.5"	H224052-29	Soil	02-Sep-22 11:43	02-Sep-22 15:14
FS - 121	0.25-0.5"	H224052-30	Soil	02-Sep-22 11:44	02-Sep-22 15:14
FS - 122	0.25-0.5"	H224052-31	Soil	02-Sep-22 11:45	02-Sep-22 15:14
FS - 123	0.25-0.5"	H224052-32	Soil	02-Sep-22 11:46	02-Sep-22 15:14
FS - 124	0.25-0.5"	H224052-33	Soil	02-Sep-22 11:47	02-Sep-22 15:14
FS - 125	0.25-0.5"	H224052-34	Soil	02-Sep-22 11:48	02-Sep-22 15:14
FS - 126	0.25-0.5"	H224052-35	Soil	02-Sep-22 11:49	02-Sep-22 15:14
FS - 127	0.25-0.5"	H224052-36	Soil	02-Sep-22 11:50	02-Sep-22 15:14
FS - 128	0.25-0.5"	H224052-37	Soil	02-Sep-22 11:51	02-Sep-22 15:14
FS - 129	0.25-0.5"	H224052-38	Soil	02-Sep-22 11:52	02-Sep-22 15:14
FS - 130	0.25-0.5"	H224052-39	Soil	02-Sep-22 11:53	02-Sep-22 15:14
FS - 131	0.25-0.5"	H224052-40	Soil	02-Sep-22 11:54	02-Sep-22 15:14
FS - 132	0.25-0.5"	H224052-41	Soil	02-Sep-22 11:55	02-Sep-22 15:14
FS - 133	0.25-0.5"	H224052-42	Soil	02-Sep-22 11:56	02-Sep-22 15:14
FS - 134	0.25-0.5"	H224052-43	Soil	02-Sep-22 11:57	02-Sep-22 15:14
FS - 135	0.25-0.5"	H224052-44	Soil	02-Sep-22 11:58	02-Sep-22 15:14
FS - 136	0.25-0.5"	H224052-45	Soil	02-Sep-22 11:59	02-Sep-22 15:14
FS - 137	0.25-0.5"	H224052-46	Soil	02-Sep-22 11:59	02-Sep-22 15:14
FS - 138	0.25-0.5"	H224052-47	Soil	02-Sep-22 12:00	02-Sep-22 15:14
FS - 139	0.25-0.5"	H224052-48	Soil	02-Sep-22 12:01	02-Sep-22 15:14
FS - 140	0.25-0.5"	H224052-49	Soil	02-Sep-22 12:02	02-Sep-22 15:14
FS - 141	0.25-0.5"	H224052-50	Soil	02-Sep-22 12:02	02-Sep-22 15:14
FS - 142	0.25-0.5"	H224052-51	Soil	02-Sep-22 12:03	02-Sep-22 15:14
FS - 143	0.25-0.5"	H224052-52	Soil	02-Sep-22 12:04	02-Sep-22 15:14
FS - 144	0.25-0.5"	H224052-53	Soil	02-Sep-22 12:05	02-Sep-22 15:14
FS - 145	0.25-0.5"	H224052-54	Soil	02-Sep-22 12:05	02-Sep-22 15:14
FS - 146	0.25-0.5"	H224052-55	Soil	02-Sep-22 12:06	02-Sep-22 15:14
FS - 147	0.25-0.5"	H224052-56	Soil	02-Sep-22 12:07	02-Sep-22 15:14
FS - 148	0.25-0.5"	H224052-57	Soil	02-Sep-22 12:08	02-Sep-22 15:14

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**Analytical Results For:**

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: BIG WALT Project Number: 03B1417054 Project Manager: BEAUX JENNINGS Fax To:	Reported: 08-Sep-22 15:23
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FS - 149	0.25-0.5"	H224052-58	Soil	02-Sep-22 12:08	02-Sep-22 15:14
FS - 150	0.25-0.5"	H224052-59	Soil	02-Sep-22 12:09	02-Sep-22 15:14
FS - 151	0.25-0.5"	H224052-60	Soil	02-Sep-22 12:10	02-Sep-22 15:14
FS - 152	0.25-0.5"	H224052-61	Soil	02-Sep-22 12:11	02-Sep-22 15:14
FS - 153	0.25-0.5"	H224052-62	Soil	02-Sep-22 12:13	02-Sep-22 15:14
FS - 154	0.25-0.5"	H224052-63	Soil	02-Sep-22 12:14	02-Sep-22 15:14
FS - 155	0.25-0.5"	H224052-64	Soil	02-Sep-22 12:15	02-Sep-22 15:14
FS - 156	0.25-0.5"	H224052-65	Soil	02-Sep-22 12:16	02-Sep-22 15:14
FS - 157	0.25-0.5"	H224052-66	Soil	02-Sep-22 12:16	02-Sep-22 15:14
FS - 158	0.25-0.5"	H224052-67	Soil	02-Sep-22 12:17	02-Sep-22 15:14
FS - 159	0.25-0.5"	H224052-68	Soil	02-Sep-22 12:18	02-Sep-22 15:14
FS - 160	0.25-0.5"	H224052-69	Soil	02-Sep-22 12:19	02-Sep-22 15:14
FS - 161	0.25-0.5"	H224052-70	Soil	02-Sep-22 12:20	02-Sep-22 15:14
FS - 61	0-0.25"	H224052-71	Soil	02-Sep-22 09:51	02-Sep-22 15:14
FS - 162	0.25-0.5"	H224052-72	Soil	02-Sep-22 12:21	02-Sep-22 15:14
FS - 163	0.25-0.5"	H224052-73	Soil	02-Sep-22 12:22	02-Sep-22 15:14
FS - 164	0.25-0.5"	H224052-74	Soil	02-Sep-22 12:23	02-Sep-22 15:14
FS - 165	0.25-0.5"	H224052-75	Soil	02-Sep-22 12:24	02-Sep-22 15:14

09/08/22 - The project name was not read correctly on the COC. This is the revised report with the corrected project name and will replace the one sent earlier today, 09/08/22.

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: BIG WALT Project Number: 03B1417054 Project Manager: BEAUX JENNINGS Fax To:	Reported: 08-Sep-22 15:23
--	---	------------------------------

**FS - 92 0.25-0.5"**  
**H224052-01 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories**

**Inorganic Compounds**

Chloride	<16.0		16.0	mg/kg	4	2090714	AC	07-Sep-22	4500-Cl-B	
----------	-------	--	------	-------	---	---------	----	-----------	-----------	--

**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	2090628	JH	07-Sep-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2090628	JH	07-Sep-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2090628	JH	07-Sep-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2090628	JH	07-Sep-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2090628	JH	07-Sep-22	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			101 %		69.9-140	2090628	JH	07-Sep-22	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2090606	MS	07-Sep-22	8015B	
<b>DRO &gt;C10-C28*</b>	<b>35.6</b>		10.0	mg/kg	1	2090606	MS	07-Sep-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2090606	MS	07-Sep-22	8015B	

Surrogate: 1-Chlorooctane			80.2 %		45.3-161	2090606	MS	07-Sep-22	8015B	
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Surrogate: 1-Chlorooctadecane			93.1 %		46.3-178	2090606	MS	07-Sep-22	8015B	
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**Analytical Results For:**

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: BIG WALT Project Number: 03B1417054 Project Manager: BEAUX JENNINGS Fax To:	Reported: 08-Sep-22 15:23
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**FS - 93 0.25-0.5"**  
**H224052-02 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories**

**Inorganic Compounds**

Chloride	<16.0		16.0	mg/kg	4	2090714	AC	07-Sep-22	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	2090628	JH	07-Sep-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2090628	JH	07-Sep-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2090628	JH	07-Sep-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2090628	JH	07-Sep-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2090628	JH	07-Sep-22	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			101 %	69.9-140		2090628	JH	07-Sep-22	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2090606	MS	07-Sep-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2090606	MS	07-Sep-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2090606	MS	07-Sep-22	8015B	

Surrogate: 1-Chlorooctane			75.2 %	45.3-161		2090606	MS	07-Sep-22	8015B	
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Surrogate: 1-Chlorooctadecane			81.3 %	46.3-178		2090606	MS	07-Sep-22	8015B	
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**Analytical Results For:**

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: BIG WALT Project Number: 03B1417054 Project Manager: BEAUX JENNINGS Fax To:	Reported: 08-Sep-22 15:23
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**FS - 94 0.25-0.5"**  
**H224052-03 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories**

**Inorganic Compounds**

Chloride	<16.0		16.0	mg/kg	4	2090714	AC	07-Sep-22	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	2090628	JH	07-Sep-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2090628	JH	07-Sep-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2090628	JH	07-Sep-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2090628	JH	07-Sep-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2090628	JH	07-Sep-22	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			99.6 %	69.9-140		2090628	JH	07-Sep-22	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2090606	MS	07-Sep-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2090606	MS	07-Sep-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2090606	MS	07-Sep-22	8015B	

Surrogate: 1-Chlorooctane			74.2 %	45.3-161		2090606	MS	07-Sep-22	8015B	
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Surrogate: 1-Chlorooctadecane			81.3 %	46.3-178		2090606	MS	07-Sep-22	8015B	
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**Analytical Results For:**

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: BIG WALT Project Number: 03B1417054 Project Manager: BEAUX JENNINGS Fax To:	Reported: 08-Sep-22 15:23
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**FS - 95 0.25-0.5"**  
**H224052-04 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories**

**Inorganic Compounds**

<b>Chloride</b>	<b>32.0</b>		16.0	mg/kg	4	2090714	AC	07-Sep-22	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	2090628	JH	07-Sep-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2090628	JH	07-Sep-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2090628	JH	07-Sep-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2090628	JH	07-Sep-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2090628	JH	07-Sep-22	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			101 %	69.9-140		2090628	JH	07-Sep-22	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2090606	MS	07-Sep-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2090606	MS	07-Sep-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2090606	MS	07-Sep-22	8015B	

<i>Surrogate: 1-Chlorooctane</i>			71.6 %	45.3-161		2090606	MS	07-Sep-22	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			77.8 %	46.3-178		2090606	MS	07-Sep-22	8015B	
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**Analytical Results For:**

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: BIG WALT Project Number: 03B1417054 Project Manager: BEAUX JENNINGS Fax To:	Reported: 08-Sep-22 15:23
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**FS - 96 0.25-0.5"**  
**H224052-05 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories**

**Inorganic Compounds**

Chloride	<16.0		16.0	mg/kg	4	2090718	AC	07-Sep-22	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	2090628	JH	07-Sep-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2090628	JH	07-Sep-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2090628	JH	07-Sep-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2090628	JH	07-Sep-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2090628	JH	07-Sep-22	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			101 %	69.9-140		2090628	JH	07-Sep-22	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2090606	MS	07-Sep-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2090606	MS	07-Sep-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2090606	MS	07-Sep-22	8015B	

Surrogate: 1-Chlorooctane			77.8 %	45.3-161		2090606	MS	07-Sep-22	8015B	
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Surrogate: 1-Chlorooctadecane			84.8 %	46.3-178		2090606	MS	07-Sep-22	8015B	
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**Analytical Results For:**

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: BIG WALT Project Number: 03B1417054 Project Manager: BEAUX JENNINGS Fax To:	Reported: 08-Sep-22 15:23
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**FS - 97 0.25-0.5"**  
**H224052-06 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories**

**Inorganic Compounds**

Chloride	<16.0		16.0	mg/kg	4	2090718	AC	07-Sep-22	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	2090628	JH	07-Sep-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2090628	JH	07-Sep-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2090628	JH	07-Sep-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2090628	JH	07-Sep-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2090628	JH	07-Sep-22	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			99.6 %		69.9-140	2090628	JH	07-Sep-22	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2090606	MS	07-Sep-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2090606	MS	07-Sep-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2090606	MS	07-Sep-22	8015B	

Surrogate: 1-Chlorooctane			83.3 %		45.3-161	2090606	MS	07-Sep-22	8015B	
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Surrogate: 1-Chlorooctadecane			90.2 %		46.3-178	2090606	MS	07-Sep-22	8015B	
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**Analytical Results For:**

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: BIG WALT Project Number: 03B1417054 Project Manager: BEAUX JENNINGS Fax To:	Reported: 08-Sep-22 15:23
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**FS - 98 0.25-0.5"**  
**H224052-07 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories**

**Inorganic Compounds**

Chloride	<16.0		16.0	mg/kg	4	2090718	AC	07-Sep-22	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	2090628	JH	07-Sep-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2090628	JH	07-Sep-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2090628	JH	07-Sep-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2090628	JH	07-Sep-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2090628	JH	07-Sep-22	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			101 %	69.9-140		2090628	JH	07-Sep-22	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2090606	MS	07-Sep-22	8015B	
DRO >C10-C28*	<b>101</b>		10.0	mg/kg	1	2090606	MS	07-Sep-22	8015B	
EXT DRO >C28-C36	<b>24.8</b>		10.0	mg/kg	1	2090606	MS	07-Sep-22	8015B	

Surrogate: 1-Chlorooctane			116 %	45.3-161		2090606	MS	07-Sep-22	8015B	
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Surrogate: 1-Chlorooctadecane			133 %	46.3-178		2090606	MS	07-Sep-22	8015B	
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**Analytical Results For:**

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: BIG WALT Project Number: 03B1417054 Project Manager: BEAUX JENNINGS Fax To:	Reported: 08-Sep-22 15:23
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**FS - 99 0.25-0.5"**  
**H224052-08 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories**

**Inorganic Compounds**

<b>Chloride</b>	<b>32.0</b>		16.0	mg/kg	4	2090718	AC	07-Sep-22	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	2090628	JH	07-Sep-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2090628	JH	07-Sep-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2090628	JH	07-Sep-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2090628	JH	07-Sep-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2090628	JH	07-Sep-22	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			102 %	69.9-140		2090628	JH	07-Sep-22	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2090606	MS	07-Sep-22	8015B	
<b>DRO &gt;C10-C28*</b>	<b>25.1</b>		10.0	mg/kg	1	2090606	MS	07-Sep-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2090606	MS	07-Sep-22	8015B	

<i>Surrogate: 1-Chlorooctane</i>			84.8 %	45.3-161		2090606	MS	07-Sep-22	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			93.8 %	46.3-178		2090606	MS	07-Sep-22	8015B	
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**Analytical Results For:**

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: BIG WALT Project Number: 03B1417054 Project Manager: BEAUX JENNINGS Fax To:	Reported: 08-Sep-22 15:23
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**FS - 100 0.25-0.5"**  
**H224052-09 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories**

**Inorganic Compounds**

<b>Chloride</b>	<b>32.0</b>		16.0	mg/kg	4	2090718	AC	07-Sep-22	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	2090628	JH	07-Sep-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2090628	JH	07-Sep-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2090628	JH	07-Sep-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2090628	JH	07-Sep-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2090628	JH	07-Sep-22	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			100 %	69.9-140		2090628	JH	07-Sep-22	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2090606	MS	07-Sep-22	8015B	
<b>DRO &gt;C10-C28*</b>	<b>54.5</b>		10.0	mg/kg	1	2090606	MS	07-Sep-22	8015B	
<b>EXT DRO &gt;C28-C36</b>	<b>15.2</b>		10.0	mg/kg	1	2090606	MS	07-Sep-22	8015B	

Surrogate: 1-Chlorooctane			84.9 %	45.3-161		2090606	MS	07-Sep-22	8015B	
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Surrogate: 1-Chlorooctadecane			97.1 %	46.3-178		2090606	MS	07-Sep-22	8015B	
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**Analytical Results For:**

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: BIG WALT Project Number: 03B1417054 Project Manager: BEAUX JENNINGS Fax To:	Reported: 08-Sep-22 15:23
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**FS - 101 0.25-0.5"**  
**H224052-10 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories**

**Inorganic Compounds**

<b>Chloride</b>	<b>32.0</b>		16.0	mg/kg	4	2090718	AC	07-Sep-22	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	2090628	JH	07-Sep-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2090628	JH	07-Sep-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2090628	JH	07-Sep-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2090628	JH	07-Sep-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2090628	JH	07-Sep-22	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			101 %	69.9-140		2090628	JH	07-Sep-22	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2090607	MS	07-Sep-22	8015B	
<b>DRO &gt;C10-C28*</b>	<b>24.0</b>		10.0	mg/kg	1	2090607	MS	07-Sep-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2090607	MS	07-Sep-22	8015B	

<i>Surrogate: 1-Chlorooctane</i>			88.4 %	45.3-161		2090607	MS	07-Sep-22	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			101 %	46.3-178		2090607	MS	07-Sep-22	8015B	
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**Analytical Results For:**

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: BIG WALT Project Number: 03B1417054 Project Manager: BEAUX JENNINGS Fax To:	Reported: 08-Sep-22 15:23
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**FS - 102 0.25-0.5"**  
**H224052-11 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories**

**Inorganic Compounds**

<b>Chloride</b>	<b>48.0</b>		16.0	mg/kg	4	2090718	AC	07-Sep-22	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	2090629	JH/	07-Sep-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2090629	JH/	07-Sep-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2090629	JH/	07-Sep-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2090629	JH/	07-Sep-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2090629	JH/	07-Sep-22	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			118 %	69.9-140		2090629	JH/	07-Sep-22	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2090607	MS	07-Sep-22	8015B	
<b>DRO &gt;C10-C28*</b>	<b>110</b>		10.0	mg/kg	1	2090607	MS	07-Sep-22	8015B	
<b>EXT DRO &gt;C28-C36</b>	<b>26.7</b>		10.0	mg/kg	1	2090607	MS	07-Sep-22	8015B	

Surrogate: 1-Chlorooctane			69.7 %	45.3-161		2090607	MS	07-Sep-22	8015B	
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Surrogate: 1-Chlorooctadecane			78.9 %	46.3-178		2090607	MS	07-Sep-22	8015B	
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**Analytical Results For:**

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: BIG WALT Project Number: 03B1417054 Project Manager: BEAUX JENNINGS Fax To:	Reported: 08-Sep-22 15:23
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**FS - 103 0.25-0.5"**  
**H224052-12 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories**

**Inorganic Compounds**

Chloride	<16.0		16.0	mg/kg	4	2090718	AC	07-Sep-22	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	2090629	JH/	07-Sep-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2090629	JH/	07-Sep-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2090629	JH/	07-Sep-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2090629	JH/	07-Sep-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2090629	JH/	07-Sep-22	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			116 %	69.9-140		2090629	JH/	07-Sep-22	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2090607	MS	07-Sep-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2090607	MS	07-Sep-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2090607	MS	07-Sep-22	8015B	

Surrogate: 1-Chlorooctane			74.3 %	45.3-161		2090607	MS	07-Sep-22	8015B	
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Surrogate: 1-Chlorooctadecane			81.6 %	46.3-178		2090607	MS	07-Sep-22	8015B	
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**Analytical Results For:**

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: BIG WALT Project Number: 03B1417054 Project Manager: BEAUX JENNINGS Fax To:	Reported: 08-Sep-22 15:23
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**FS - 104 0.25-0.5"**  
**H224052-13 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories**

**Inorganic Compounds**

Chloride	<16.0		16.0	mg/kg	4	2090718	AC	07-Sep-22	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	2090629	JH/	07-Sep-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2090629	JH/	07-Sep-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2090629	JH/	07-Sep-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2090629	JH/	07-Sep-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2090629	JH/	07-Sep-22	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			116 %	69.9-140		2090629	JH/	07-Sep-22	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2090607	MS	07-Sep-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2090607	MS	07-Sep-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2090607	MS	07-Sep-22	8015B	

Surrogate: 1-Chlorooctane			62.9 %	45.3-161		2090607	MS	07-Sep-22	8015B	
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Surrogate: 1-Chlorooctadecane			69.1 %	46.3-178		2090607	MS	07-Sep-22	8015B	
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**Analytical Results For:**

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: BIG WALT Project Number: 03B1417054 Project Manager: BEAUX JENNINGS Fax To:	Reported: 08-Sep-22 15:23
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**FS - 105 0.25-0.5"**  
**H224052-14 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories**

**Inorganic Compounds**

Chloride	<16.0		16.0	mg/kg	4	2090718	AC	07-Sep-22	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	2090629	JH/	07-Sep-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2090629	JH/	07-Sep-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2090629	JH/	07-Sep-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2090629	JH/	07-Sep-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2090629	JH/	07-Sep-22	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			116 %	69.9-140		2090629	JH/	07-Sep-22	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2090607	MS	07-Sep-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2090607	MS	07-Sep-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2090607	MS	07-Sep-22	8015B	

Surrogate: 1-Chlorooctane			74.2 %	45.3-161		2090607	MS	07-Sep-22	8015B	
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Surrogate: 1-Chlorooctadecane			83.6 %	46.3-178		2090607	MS	07-Sep-22	8015B	
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**Analytical Results For:**

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: BIG WALT Project Number: 03B1417054 Project Manager: BEAUX JENNINGS Fax To:	Reported: 08-Sep-22 15:23
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**FS - 106 0.25-0.5"**  
**H224052-15 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories**

**Inorganic Compounds**

<b>Chloride</b>	<b>48.0</b>		16.0	mg/kg	4	2090718	AC	07-Sep-22	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	2090629	JH/	07-Sep-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2090629	JH/	07-Sep-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2090629	JH/	07-Sep-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2090629	JH/	07-Sep-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2090629	JH/	07-Sep-22	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			116 %		69.9-140	2090629	JH/	07-Sep-22	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2090607	MS	07-Sep-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2090607	MS	07-Sep-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2090607	MS	07-Sep-22	8015B	

<i>Surrogate: 1-Chlorooctane</i>			67.2 %		45.3-161	2090607	MS	07-Sep-22	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			76.5 %		46.3-178	2090607	MS	07-Sep-22	8015B	
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**Analytical Results For:**

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

Project: BIG WALT  
Project Number: 03B1417054  
Project Manager: BEAUX JENNINGS  
Fax To:

Reported:  
08-Sep-22 15:23

**FS - 107 0.25-0.5"****H224052-16 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

Chloride	32.0		16.0	mg/kg	4	2090718	AC	07-Sep-22	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	2090629	JH/	07-Sep-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2090629	JH/	07-Sep-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2090629	JH/	07-Sep-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2090629	JH/	07-Sep-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2090629	JH/	07-Sep-22	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			116 %	69.9-140		2090629	JH/	07-Sep-22	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2090607	MS	07-Sep-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2090607	MS	07-Sep-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2090607	MS	07-Sep-22	8015B	

Surrogate: 1-Chlorooctane			66.9 %	45.3-161		2090607	MS	07-Sep-22	8015B	
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Surrogate: 1-Chlorooctadecane			73.5 %	46.3-178		2090607	MS	07-Sep-22	8015B	
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\* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: BIG WALT Project Number: 03B1417054 Project Manager: BEAUX JENNINGS Fax To:	Reported: 08-Sep-22 15:23
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**FS - 108 0.25-0.5"**  
**H224052-17 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories**

**Inorganic Compounds**

<b>Chloride</b>	<b>32.0</b>		16.0	mg/kg	4	2090718	AC	07-Sep-22	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	2090629	JH/	07-Sep-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2090629	JH/	07-Sep-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2090629	JH/	07-Sep-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2090629	JH/	07-Sep-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2090629	JH/	07-Sep-22	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			117 %	69.9-140		2090629	JH/	07-Sep-22	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2090607	MS	07-Sep-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2090607	MS	07-Sep-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2090607	MS	07-Sep-22	8015B	

<i>Surrogate: 1-Chlorooctane</i>			71.2 %	45.3-161		2090607	MS	07-Sep-22	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			79.1 %	46.3-178		2090607	MS	07-Sep-22	8015B	
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**Analytical Results For:**

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: BIG WALT Project Number: 03B1417054 Project Manager: BEAUX JENNINGS Fax To:	Reported: 08-Sep-22 15:23
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**FS - 109 0.25-0.5"**  
**H224052-18 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories**

**Inorganic Compounds**

<b>Chloride</b>	<b>16.0</b>		16.0	mg/kg	4	2090718	AC	07-Sep-22	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	2090629	JH/	07-Sep-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2090629	JH/	07-Sep-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2090629	JH/	07-Sep-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2090629	JH/	07-Sep-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2090629	JH/	07-Sep-22	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			118 %	69.9-140		2090629	JH/	07-Sep-22	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2090607	MS	07-Sep-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2090607	MS	07-Sep-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2090607	MS	07-Sep-22	8015B	

<i>Surrogate: 1-Chlorooctane</i>			69.7 %	45.3-161		2090607	MS	07-Sep-22	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			79.0 %	46.3-178		2090607	MS	07-Sep-22	8015B	
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**Analytical Results For:**

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: BIG WALT Project Number: 03B1417054 Project Manager: BEAUX JENNINGS Fax To:	Reported: 08-Sep-22 15:23
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**FS - 110 0.25-0.5"**  
**H224052-19 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories**

**Inorganic Compounds**

Chloride	<16.0		16.0	mg/kg	4	2090718	AC	07-Sep-22	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	2090629	JH/	07-Sep-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2090629	JH/	07-Sep-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2090629	JH/	07-Sep-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2090629	JH/	07-Sep-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2090629	JH/	07-Sep-22	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			116 %	69.9-140		2090629	JH/	07-Sep-22	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2090607	MS	07-Sep-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2090607	MS	07-Sep-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2090607	MS	07-Sep-22	8015B	

Surrogate: 1-Chlorooctane			69.1 %	45.3-161		2090607	MS	07-Sep-22	8015B	
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Surrogate: 1-Chlorooctadecane			79.6 %	46.3-178		2090607	MS	07-Sep-22	8015B	
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**Analytical Results For:**

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: BIG WALT Project Number: 03B1417054 Project Manager: BEAUX JENNINGS Fax To:	Reported: 08-Sep-22 15:23
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**FS - 111 0.25-0.5"**  
**H224052-20 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories**

**Inorganic Compounds**

Chloride	<16.0		16.0	mg/kg	4	2090718	AC	07-Sep-22	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	2090629	JH/	07-Sep-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2090629	JH/	07-Sep-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2090629	JH/	07-Sep-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2090629	JH/	07-Sep-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2090629	JH/	07-Sep-22	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			115 %	69.9-140		2090629	JH/	07-Sep-22	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2090607	MS	07-Sep-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2090607	MS	07-Sep-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2090607	MS	07-Sep-22	8015B	

Surrogate: 1-Chlorooctane			51.7 %	45.3-161		2090607	MS	07-Sep-22	8015B	
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Surrogate: 1-Chlorooctadecane			57.1 %	46.3-178		2090607	MS	07-Sep-22	8015B	
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**Analytical Results For:**

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: BIG WALT Project Number: 03B1417054 Project Manager: BEAUX JENNINGS Fax To:	Reported: 08-Sep-22 15:23
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**FS - 112 0.25-0.5"**  
**H224052-21 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories**

**Inorganic Compounds**

Chloride	<16.0		16.0	mg/kg	4	2090718	AC	07-Sep-22	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	2090629	JH/	07-Sep-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2090629	JH/	07-Sep-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2090629	JH/	07-Sep-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2090629	JH/	07-Sep-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2090629	JH/	07-Sep-22	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			117 %	69.9-140		2090629	JH/	07-Sep-22	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2090607	MS	07-Sep-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2090607	MS	07-Sep-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2090607	MS	07-Sep-22	8015B	

Surrogate: 1-Chlorooctane			62.6 %	45.3-161		2090607	MS	07-Sep-22	8015B	
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Surrogate: 1-Chlorooctadecane			69.1 %	46.3-178		2090607	MS	07-Sep-22	8015B	
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**Analytical Results For:**

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: BIG WALT Project Number: 03B1417054 Project Manager: BEAUX JENNINGS Fax To:	Reported: 08-Sep-22 15:23
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**FS - 113 0.25-0.5''  
H224052-22 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories**

**Inorganic Compounds**

Chloride	<16.0		16.0	mg/kg	4	2090718	AC	07-Sep-22	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	2090629	JH/	07-Sep-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2090629	JH/	07-Sep-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2090629	JH/	07-Sep-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2090629	JH/	07-Sep-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2090629	JH/	07-Sep-22	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			115 %	69.9-140		2090629	JH/	07-Sep-22	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2090607	MS	07-Sep-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2090607	MS	07-Sep-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2090607	MS	07-Sep-22	8015B	

Surrogate: 1-Chlorooctane			68.7 %	45.3-161		2090607	MS	07-Sep-22	8015B	
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Surrogate: 1-Chlorooctadecane			77.6 %	46.3-178		2090607	MS	07-Sep-22	8015B	
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**Analytical Results For:**

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: BIG WALT Project Number: 03B1417054 Project Manager: BEAUX JENNINGS Fax To:	Reported: 08-Sep-22 15:23
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**FS - 114 0.25-0.5"**  
**H224052-23 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories**

**Inorganic Compounds**

Chloride	<16.0		16.0	mg/kg	4	2090718	AC	07-Sep-22	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	2090629	JH/	07-Sep-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2090629	JH/	07-Sep-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2090629	JH/	07-Sep-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2090629	JH/	07-Sep-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2090629	JH/	07-Sep-22	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			117 %	69.9-140		2090629	JH/	07-Sep-22	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2090607	MS	07-Sep-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2090607	MS	07-Sep-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2090607	MS	07-Sep-22	8015B	

Surrogate: 1-Chlorooctane			72.2 %	45.3-161		2090607	MS	07-Sep-22	8015B	
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Surrogate: 1-Chlorooctadecane			79.9 %	46.3-178		2090607	MS	07-Sep-22	8015B	
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**Analytical Results For:**

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: BIG WALT Project Number: 03B1417054 Project Manager: BEAUX JENNINGS Fax To:	Reported: 08-Sep-22 15:23
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**FS - 115 0.25-0.5"**  
**H224052-24 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories**

**Inorganic Compounds**

<b>Chloride</b>	<b>48.0</b>		16.0	mg/kg	4	2090718	AC	07-Sep-22	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	2090629	JH/	07-Sep-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2090629	JH/	07-Sep-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2090629	JH/	07-Sep-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2090629	JH/	07-Sep-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2090629	JH/	07-Sep-22	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			117 %	69.9-140		2090629	JH/	07-Sep-22	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2090607	MS	07-Sep-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2090607	MS	07-Sep-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2090607	MS	07-Sep-22	8015B	

<i>Surrogate: 1-Chlorooctane</i>			74.3 %	45.3-161		2090607	MS	07-Sep-22	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			83.2 %	46.3-178		2090607	MS	07-Sep-22	8015B	
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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

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

Project: BIG WALT  
Project Number: 03B1417054  
Project Manager: BEAUX JENNINGS  
Fax To:

Reported:  
08-Sep-22 15:23

**FS - 116 0.25-0.5"****H224052-25 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

Chloride	<16.0		16.0	mg/kg	4	2090719	AC	07-Sep-22	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	2090629	JH/	07-Sep-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2090629	JH/	07-Sep-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2090629	JH/	07-Sep-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2090629	JH/	07-Sep-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2090629	JH/	07-Sep-22	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			116 %	69.9-140		2090629	JH/	07-Sep-22	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2090607	MS	07-Sep-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2090607	MS	07-Sep-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2090607	MS	07-Sep-22	8015B	

Surrogate: 1-Chlorooctane			69.9 %	45.3-161		2090607	MS	07-Sep-22	8015B	
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Surrogate: 1-Chlorooctadecane			78.7 %	46.3-178		2090607	MS	07-Sep-22	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: BIG WALT Project Number: 03B1417054 Project Manager: BEAUX JENNINGS Fax To:	Reported: 08-Sep-22 15:23
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**FS - 117 0.25-0.5"**  
**H224052-26 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories**

**Inorganic Compounds**

Chloride	<16.0		16.0	mg/kg	4	2090719	AC	07-Sep-22	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	2090629	JH/	07-Sep-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2090629	JH/	07-Sep-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2090629	JH/	07-Sep-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2090629	JH/	07-Sep-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2090629	JH/	07-Sep-22	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			117 %	69.9-140		2090629	JH/	07-Sep-22	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2090607	MS	07-Sep-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2090607	MS	07-Sep-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2090607	MS	07-Sep-22	8015B	

Surrogate: 1-Chlorooctane			57.8 %	45.3-161		2090607	MS	07-Sep-22	8015B	
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Surrogate: 1-Chlorooctadecane			64.0 %	46.3-178		2090607	MS	07-Sep-22	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: BIG WALT Project Number: 03B1417054 Project Manager: BEAUX JENNINGS Fax To:	Reported: 08-Sep-22 15:23
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**FS - 118 0.25-0.5"**  
**H224052-27 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories**

**Inorganic Compounds**

<b>Chloride</b>	<b>16.0</b>		16.0	mg/kg	4	2090719	AC	07-Sep-22	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	2090629	JH/	07-Sep-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2090629	JH/	07-Sep-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2090629	JH/	07-Sep-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2090629	JH/	07-Sep-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2090629	JH/	07-Sep-22	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			120 %	69.9-140		2090629	JH/	07-Sep-22	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2090607	MS	07-Sep-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2090607	MS	07-Sep-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2090607	MS	07-Sep-22	8015B	

<i>Surrogate: 1-Chlorooctane</i>			73.1 %	45.3-161		2090607	MS	07-Sep-22	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			81.4 %	46.3-178		2090607	MS	07-Sep-22	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: BIG WALT Project Number: 03B1417054 Project Manager: BEAUX JENNINGS Fax To:	Reported: 08-Sep-22 15:23
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**FS - 119 0.25-0.5"**  
**H224052-28 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories**

**Inorganic Compounds**

<b>Chloride</b>	<b>32.0</b>		16.0	mg/kg	4	2090719	AC	07-Sep-22	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	2090629	JH/	07-Sep-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2090629	JH/	07-Sep-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2090629	JH/	07-Sep-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2090629	JH/	07-Sep-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2090629	JH/	07-Sep-22	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			116 %		69.9-140	2090629	JH/	07-Sep-22	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2090607	MS	07-Sep-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2090607	MS	07-Sep-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2090607	MS	07-Sep-22	8015B	

<i>Surrogate: 1-Chlorooctane</i>			62.8 %		45.3-161	2090607	MS	07-Sep-22	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			69.0 %		46.3-178	2090607	MS	07-Sep-22	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: BIG WALT Project Number: 03B1417054 Project Manager: BEAUX JENNINGS Fax To:	Reported: 08-Sep-22 15:23
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**FS - 120 0.25-0.5"**  
**H224052-29 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories**

**Inorganic Compounds**

<b>Chloride</b>	<b>32.0</b>		16.0	mg/kg	4	2090719	AC	07-Sep-22	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	2090629	JH/	07-Sep-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2090629	JH/	07-Sep-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2090629	JH/	07-Sep-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2090629	JH/	07-Sep-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2090629	JH/	07-Sep-22	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			116 %	69.9-140		2090629	JH/	07-Sep-22	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2090607	MS	07-Sep-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2090607	MS	07-Sep-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2090607	MS	07-Sep-22	8015B	

<i>Surrogate: 1-Chlorooctane</i>			76.7 %	45.3-161		2090607	MS	07-Sep-22	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			85.6 %	46.3-178		2090607	MS	07-Sep-22	8015B	
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**Analytical Results For:**

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: BIG WALT Project Number: 03B1417054 Project Manager: BEAUX JENNINGS Fax To:	Reported: 08-Sep-22 15:23
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**FS - 121 0.25-0.5"**  
**H224052-30 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories**

**Inorganic Compounds**

<b>Chloride</b>	<b>32.0</b>		16.0	mg/kg	4	2090719	AC	07-Sep-22	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	2090629	JH/	07-Sep-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2090629	JH/	07-Sep-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2090629	JH/	07-Sep-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2090629	JH/	07-Sep-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2090629	JH/	07-Sep-22	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			117 %	69.9-140		2090629	JH/	07-Sep-22	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2090618	MS	07-Sep-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2090618	MS	07-Sep-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2090618	MS	07-Sep-22	8015B	

<i>Surrogate: 1-Chlorooctane</i>			80.3 %	45.3-161		2090618	MS	07-Sep-22	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			83.0 %	46.3-178		2090618	MS	07-Sep-22	8015B	
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**Analytical Results For:**

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: BIG WALT Project Number: 03B1417054 Project Manager: BEAUX JENNINGS Fax To:	Reported: 08-Sep-22 15:23
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**FS - 122 0.25-0.5"**  
**H224052-31 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories**

**Inorganic Compounds**

<b>Chloride</b>	<b>32.0</b>		16.0	mg/kg	4	2090719	AC	07-Sep-22	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	2090630	JH	07-Sep-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2090630	JH	07-Sep-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2090630	JH	07-Sep-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2090630	JH	07-Sep-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2090630	JH	07-Sep-22	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			105 %	69.9-140		2090630	JH	07-Sep-22	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2090618	MS	07-Sep-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2090618	MS	07-Sep-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2090618	MS	07-Sep-22	8015B	

<i>Surrogate: 1-Chlorooctane</i>			74.8 %	45.3-161		2090618	MS	07-Sep-22	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			77.6 %	46.3-178		2090618	MS	07-Sep-22	8015B	
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**Analytical Results For:**

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: BIG WALT Project Number: 03B1417054 Project Manager: BEAUX JENNINGS Fax To:	Reported: 08-Sep-22 15:23
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**FS - 123 0.25-0.5"**  
**H224052-32 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories**

**Inorganic Compounds**

<b>Chloride</b>	<b>16.0</b>		16.0	mg/kg	4	2090719	AC	07-Sep-22	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	2090630	JH	07-Sep-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2090630	JH	07-Sep-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2090630	JH	07-Sep-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2090630	JH	07-Sep-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2090630	JH	07-Sep-22	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			108 %	69.9-140		2090630	JH	07-Sep-22	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2090618	MS	07-Sep-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2090618	MS	07-Sep-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2090618	MS	07-Sep-22	8015B	

<i>Surrogate: 1-Chlorooctane</i>			76.2 %	45.3-161		2090618	MS	07-Sep-22	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			79.2 %	46.3-178		2090618	MS	07-Sep-22	8015B	
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**Analytical Results For:**

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: BIG WALT Project Number: 03B1417054 Project Manager: BEAUX JENNINGS Fax To:	Reported: 08-Sep-22 15:23
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**FS - 124 0.25-0.5"**  
**H224052-33 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories**

**Inorganic Compounds**

<b>Chloride</b>	<b>16.0</b>		16.0	mg/kg	4	2090719	AC	07-Sep-22	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	2090630	JH	07-Sep-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2090630	JH	07-Sep-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2090630	JH	07-Sep-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2090630	JH	07-Sep-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2090630	JH	07-Sep-22	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			111 %		69.9-140	2090630	JH	07-Sep-22	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2090618	MS	07-Sep-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2090618	MS	07-Sep-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2090618	MS	07-Sep-22	8015B	

<i>Surrogate: 1-Chlorooctane</i>			82.3 %		45.3-161	2090618	MS	07-Sep-22	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			83.7 %		46.3-178	2090618	MS	07-Sep-22	8015B	
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**Analytical Results For:**

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: BIG WALT Project Number: 03B1417054 Project Manager: BEAUX JENNINGS Fax To:	Reported: 08-Sep-22 15:23
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**FS - 125 0.25-0.5"**  
**H224052-34 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories**

**Inorganic Compounds**

Chloride	<16.0		16.0	mg/kg	4	2090719	AC	07-Sep-22	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	2090630	JH	07-Sep-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2090630	JH	07-Sep-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2090630	JH	07-Sep-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2090630	JH	07-Sep-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2090630	JH	07-Sep-22	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			116 %	69.9-140		2090630	JH	07-Sep-22	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2090618	MS	07-Sep-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2090618	MS	07-Sep-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2090618	MS	07-Sep-22	8015B	

Surrogate: 1-Chlorooctane			74.3 %	45.3-161		2090618	MS	07-Sep-22	8015B	
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Surrogate: 1-Chlorooctadecane			75.7 %	46.3-178		2090618	MS	07-Sep-22	8015B	
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**Analytical Results For:**

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: BIG WALT Project Number: 03B1417054 Project Manager: BEAUX JENNINGS Fax To:	Reported: 08-Sep-22 15:23
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**FS - 126 0.25-0.5"**  
**H224052-35 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories**

**Inorganic Compounds**

<b>Chloride</b>	<b>16.0</b>		16.0	mg/kg	4	2090719	AC	07-Sep-22	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	2090630	JH	07-Sep-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2090630	JH	07-Sep-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2090630	JH	07-Sep-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2090630	JH	07-Sep-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2090630	JH	07-Sep-22	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			109 %	69.9-140		2090630	JH	07-Sep-22	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2090618	MS	07-Sep-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2090618	MS	07-Sep-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2090618	MS	07-Sep-22	8015B	

<i>Surrogate: 1-Chlorooctane</i>			78.1 %	45.3-161		2090618	MS	07-Sep-22	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			78.3 %	46.3-178		2090618	MS	07-Sep-22	8015B	
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**Analytical Results For:**

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: BIG WALT Project Number: 03B1417054 Project Manager: BEAUX JENNINGS Fax To:	Reported: 08-Sep-22 15:23
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**FS - 127 0.25-0.5"**  
**H224052-36 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories**

**Inorganic Compounds**

Chloride	<16.0		16.0	mg/kg	4	2090719	AC	07-Sep-22	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	2090630	JH	07-Sep-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2090630	JH	07-Sep-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2090630	JH	07-Sep-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2090630	JH	07-Sep-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2090630	JH	07-Sep-22	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			112 %		69.9-140	2090630	JH	07-Sep-22	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2090618	MS	07-Sep-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2090618	MS	07-Sep-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2090618	MS	07-Sep-22	8015B	

Surrogate: 1-Chlorooctane			76.9 %		45.3-161	2090618	MS	07-Sep-22	8015B	
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Surrogate: 1-Chlorooctadecane			79.4 %		46.3-178	2090618	MS	07-Sep-22	8015B	
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**Analytical Results For:**

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: BIG WALT Project Number: 03B1417054 Project Manager: BEAUX JENNINGS Fax To:	Reported: 08-Sep-22 15:23
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**FS - 128 0.25-0.5"**  
**H224052-37 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories**

**Inorganic Compounds**

Chloride	<16.0		16.0	mg/kg	4	2090719	AC	07-Sep-22	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	2090630	JH	07-Sep-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2090630	JH	07-Sep-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2090630	JH	07-Sep-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2090630	JH	07-Sep-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2090630	JH	07-Sep-22	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			112 %		69.9-140	2090630	JH	07-Sep-22	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2090618	MS	07-Sep-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2090618	MS	07-Sep-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2090618	MS	07-Sep-22	8015B	

Surrogate: 1-Chlorooctane			78.2 %		45.3-161	2090618	MS	07-Sep-22	8015B	
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Surrogate: 1-Chlorooctadecane			80.6 %		46.3-178	2090618	MS	07-Sep-22	8015B	
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**Analytical Results For:**

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: BIG WALT Project Number: 03B1417054 Project Manager: BEAUX JENNINGS Fax To:	Reported: 08-Sep-22 15:23
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**FS - 129 0.25-0.5"**  
**H224052-38 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories**

**Inorganic Compounds**

Chloride	<16.0		16.0	mg/kg	4	2090719	AC	07-Sep-22	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	2090630	JH	07-Sep-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2090630	JH	07-Sep-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2090630	JH	07-Sep-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2090630	JH	07-Sep-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2090630	JH	07-Sep-22	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			105 %	69.9-140		2090630	JH	07-Sep-22	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2090618	MS	07-Sep-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2090618	MS	07-Sep-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2090618	MS	07-Sep-22	8015B	

Surrogate: 1-Chlorooctane			78.1 %	45.3-161		2090618	MS	07-Sep-22	8015B	
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Surrogate: 1-Chlorooctadecane			79.0 %	46.3-178		2090618	MS	07-Sep-22	8015B	
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**Analytical Results For:**

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: BIG WALT Project Number: 03B1417054 Project Manager: BEAUX JENNINGS Fax To:	Reported: 08-Sep-22 15:23
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**FS - 130 0.25-0.5"**  
**H224052-39 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories**

**Inorganic Compounds**

Chloride	<16.0		16.0	mg/kg	4	2090719	AC	07-Sep-22	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	2090630	JH	07-Sep-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2090630	JH	07-Sep-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2090630	JH	07-Sep-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2090630	JH	07-Sep-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2090630	JH	07-Sep-22	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			111 %		69.9-140	2090630	JH	07-Sep-22	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2090618	MS	07-Sep-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2090618	MS	07-Sep-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2090618	MS	07-Sep-22	8015B	

Surrogate: 1-Chlorooctane			85.8 %		45.3-161	2090618	MS	07-Sep-22	8015B	
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Surrogate: 1-Chlorooctadecane			87.4 %		46.3-178	2090618	MS	07-Sep-22	8015B	
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**Analytical Results For:**

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: BIG WALT Project Number: 03B1417054 Project Manager: BEAUX JENNINGS Fax To:	Reported: 08-Sep-22 15:23
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**FS - 131 0.25-0.5"**  
**H224052-40 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories**

**Inorganic Compounds**

Chloride	<16.0		16.0	mg/kg	4	2090719	AC	07-Sep-22	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	2090630	JH	07-Sep-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2090630	JH	07-Sep-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2090630	JH	07-Sep-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2090630	JH	07-Sep-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2090630	JH	07-Sep-22	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			111 %		69.9-140	2090630	JH	07-Sep-22	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2090618	MS	07-Sep-22	8015B	
DRO >C10-C28*	<b>188</b>		10.0	mg/kg	1	2090618	MS	07-Sep-22	8015B	
EXT DRO >C28-C36	<b>47.5</b>		10.0	mg/kg	1	2090618	MS	07-Sep-22	8015B	

Surrogate: 1-Chlorooctane			80.7 %		45.3-161	2090618	MS	07-Sep-22	8015B	
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Surrogate: 1-Chlorooctadecane			89.8 %		46.3-178	2090618	MS	07-Sep-22	8015B	
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Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: BIG WALT Project Number: 03B1417054 Project Manager: BEAUX JENNINGS Fax To:	Reported: 08-Sep-22 15:23
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**FS - 132 0.25-0.5"**  
**H224052-41 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories**

**Inorganic Compounds**

<b>Chloride</b>	<b>32.0</b>		16.0	mg/kg	4	2090719	AC	07-Sep-22	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	2090630	JH	07-Sep-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2090630	JH	07-Sep-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2090630	JH	07-Sep-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2090630	JH	07-Sep-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2090630	JH	07-Sep-22	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			112 %		69.9-140	2090630	JH	07-Sep-22	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2090618	MS	07-Sep-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2090618	MS	07-Sep-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2090618	MS	07-Sep-22	8015B	

<i>Surrogate: 1-Chlorooctane</i>			81.7 %		45.3-161	2090618	MS	07-Sep-22	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			84.3 %		46.3-178	2090618	MS	07-Sep-22	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: BIG WALT Project Number: 03B1417054 Project Manager: BEAUX JENNINGS Fax To:	Reported: 08-Sep-22 15:23
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**FS - 133 0.25-0.5"**  
**H224052-42 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories**

**Inorganic Compounds**

<b>Chloride</b>	<b>16.0</b>		16.0	mg/kg	4	2090719	AC	07-Sep-22	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	2090630	JH	07-Sep-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2090630	JH	07-Sep-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2090630	JH	07-Sep-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2090630	JH	07-Sep-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2090630	JH	07-Sep-22	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			106 %	69.9-140		2090630	JH	07-Sep-22	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2090618	MS	07-Sep-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2090618	MS	07-Sep-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2090618	MS	07-Sep-22	8015B	

<i>Surrogate: 1-Chlorooctane</i>			77.8 %	45.3-161		2090618	MS	07-Sep-22	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			79.9 %	46.3-178		2090618	MS	07-Sep-22	8015B	
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**Analytical Results For:**

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: BIG WALT Project Number: 03B1417054 Project Manager: BEAUX JENNINGS Fax To:	Reported: 08-Sep-22 15:23
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**FS - 134 0.25-0.5"**  
**H224052-43 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories**

**Inorganic Compounds**

<b>Chloride</b>	<b>16.0</b>		16.0	mg/kg	4	2090719	AC	07-Sep-22	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	2090630	JH	07-Sep-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2090630	JH	07-Sep-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2090630	JH	07-Sep-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2090630	JH	07-Sep-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2090630	JH	07-Sep-22	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			104 %	69.9-140		2090630	JH	07-Sep-22	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2090618	MS	07-Sep-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2090618	MS	07-Sep-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2090618	MS	07-Sep-22	8015B	

<i>Surrogate: 1-Chlorooctane</i>			81.8 %	45.3-161		2090618	MS	07-Sep-22	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			87.4 %	46.3-178		2090618	MS	07-Sep-22	8015B	
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**Analytical Results For:**

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: BIG WALT Project Number: 03B1417054 Project Manager: BEAUX JENNINGS Fax To:	Reported: 08-Sep-22 15:23
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**FS - 135 0.25-0.5"**  
**H224052-44 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories**

**Inorganic Compounds**

Chloride	<16.0		16.0	mg/kg	4	2090719	AC	07-Sep-22	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	2090630	JH	07-Sep-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2090630	JH	07-Sep-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2090630	JH	07-Sep-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2090630	JH	07-Sep-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2090630	JH	07-Sep-22	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			104 %	69.9-140		2090630	JH	07-Sep-22	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2090618	MS	07-Sep-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2090618	MS	07-Sep-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2090618	MS	07-Sep-22	8015B	

Surrogate: 1-Chlorooctane			83.0 %	45.3-161		2090618	MS	07-Sep-22	8015B	
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Surrogate: 1-Chlorooctadecane			84.7 %	46.3-178		2090618	MS	07-Sep-22	8015B	
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**Analytical Results For:**

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

Project: BIG WALT  
Project Number: 03B1417054  
Project Manager: BEAUX JENNINGS  
Fax To:

Reported:  
08-Sep-22 15:23

**FS - 136 0.25-0.5"****H224052-45 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

Chloride	<16.0		16.0	mg/kg	4	2090720	AC	07-Sep-22	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	2090630	JH	07-Sep-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2090630	JH	07-Sep-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2090630	JH	07-Sep-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2090630	JH	07-Sep-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2090630	JH	07-Sep-22	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			102 %	69.9-140		2090630	JH	07-Sep-22	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2090618	MS	07-Sep-22	8015B	
DRO >C10-C28*	<b>32.1</b>		10.0	mg/kg	1	2090618	MS	07-Sep-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2090618	MS	07-Sep-22	8015B	

Surrogate: 1-Chlorooctane			90.3 %	45.3-161		2090618	MS	07-Sep-22	8015B	
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Surrogate: 1-Chlorooctadecane			94.1 %	46.3-178		2090618	MS	07-Sep-22	8015B	
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**Analytical Results For:**

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: BIG WALT Project Number: 03B1417054 Project Manager: BEAUX JENNINGS Fax To:	Reported: 08-Sep-22 15:23
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**FS - 137 0.25-0.5"**  
**H224052-46 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories**

**Inorganic Compounds**

Chloride	<16.0		16.0	mg/kg	4	2090720	AC	07-Sep-22	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	2090630	JH	07-Sep-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2090630	JH	07-Sep-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2090630	JH	07-Sep-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2090630	JH	07-Sep-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2090630	JH	07-Sep-22	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			103 %	69.9-140		2090630	JH	07-Sep-22	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2090618	MS	07-Sep-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2090618	MS	07-Sep-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2090618	MS	07-Sep-22	8015B	

Surrogate: 1-Chlorooctane			89.0 %	45.3-161		2090618	MS	07-Sep-22	8015B	
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Surrogate: 1-Chlorooctadecane			91.1 %	46.3-178		2090618	MS	07-Sep-22	8015B	
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**Analytical Results For:**

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: BIG WALT Project Number: 03B1417054 Project Manager: BEAUX JENNINGS Fax To:	Reported: 08-Sep-22 15:23
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**FS - 138 0.25-0.5"**  
**H224052-47 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories**

**Inorganic Compounds**

Chloride	<16.0		16.0	mg/kg	4	2090720	AC	07-Sep-22	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	2090630	JH	07-Sep-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2090630	JH	07-Sep-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2090630	JH	07-Sep-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2090630	JH	07-Sep-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2090630	JH	07-Sep-22	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			104 %	69.9-140		2090630	JH	07-Sep-22	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2090618	MS	07-Sep-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2090618	MS	07-Sep-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2090618	MS	07-Sep-22	8015B	

Surrogate: 1-Chlorooctane			85.6 %	45.3-161		2090618	MS	07-Sep-22	8015B	
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Surrogate: 1-Chlorooctadecane			89.7 %	46.3-178		2090618	MS	07-Sep-22	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: BIG WALT Project Number: 03B1417054 Project Manager: BEAUX JENNINGS Fax To:	Reported: 08-Sep-22 15:23
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**FS - 139 0.25-0.5"**  
**H224052-48 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories**

**Inorganic Compounds**

Chloride	<16.0		16.0	mg/kg	4	2090720	AC	07-Sep-22	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	2090630	JH	07-Sep-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2090630	JH	07-Sep-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2090630	JH	07-Sep-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2090630	JH	07-Sep-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2090630	JH	07-Sep-22	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			106 %	69.9-140		2090630	JH	07-Sep-22	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2090618	MS	07-Sep-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2090618	MS	07-Sep-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2090618	MS	07-Sep-22	8015B	

Surrogate: 1-Chlorooctane			86.4 %	45.3-161		2090618	MS	07-Sep-22	8015B	
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Surrogate: 1-Chlorooctadecane			89.7 %	46.3-178		2090618	MS	07-Sep-22	8015B	
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**Analytical Results For:**

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: BIG WALT Project Number: 03B1417054 Project Manager: BEAUX JENNINGS Fax To:	Reported: 08-Sep-22 15:23
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**FS - 140 0.25-0.5"**  
**H224052-49 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories**

**Inorganic Compounds**

Chloride	<16.0		16.0	mg/kg	4	2090720	AC	07-Sep-22	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	2090630	JH	07-Sep-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2090630	JH	07-Sep-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2090630	JH	07-Sep-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2090630	JH	07-Sep-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2090630	JH	07-Sep-22	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			103 %	69.9-140		2090630	JH	07-Sep-22	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2090618	MS	07-Sep-22	8015B	
DRO >C10-C28*	21.7		10.0	mg/kg	1	2090618	MS	07-Sep-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2090618	MS	07-Sep-22	8015B	

Surrogate: 1-Chlorooctane			94.4 %	45.3-161		2090618	MS	07-Sep-22	8015B	
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Surrogate: 1-Chlorooctadecane			96.4 %	46.3-178		2090618	MS	07-Sep-22	8015B	
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**Analytical Results For:**

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: BIG WALT Project Number: 03B1417054 Project Manager: BEAUX JENNINGS Fax To:	Reported: 08-Sep-22 15:23
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**FS - 141 0.25-0.5"**  
**H224052-50 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories**

**Inorganic Compounds**

Chloride	<16.0		16.0	mg/kg	4	2090720	AC	07-Sep-22	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	2090630	JH	07-Sep-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2090630	JH	07-Sep-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2090630	JH	07-Sep-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2090630	JH	07-Sep-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2090630	JH	07-Sep-22	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			108 %	69.9-140		2090630	JH	07-Sep-22	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2090619	MS	07-Sep-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2090619	MS	07-Sep-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2090619	MS	07-Sep-22	8015B	

Surrogate: 1-Chlorooctane			78.8 %	45.3-161		2090619	MS	07-Sep-22	8015B	
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Surrogate: 1-Chlorooctadecane			81.2 %	46.3-178		2090619	MS	07-Sep-22	8015B	
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**Analytical Results For:**

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: BIG WALT Project Number: 03B1417054 Project Manager: BEAUX JENNINGS Fax To:	Reported: 08-Sep-22 15:23
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**FS - 142 0.25-0.5"**  
**H224052-51 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories**

**Inorganic Compounds**

Chloride	<16.0		16.0	mg/kg	4	2090720	AC	07-Sep-22	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	2090707	JH	07-Sep-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2090707	JH	07-Sep-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2090707	JH	07-Sep-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2090707	JH	07-Sep-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2090707	JH	07-Sep-22	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			101 %	69.9-140		2090707	JH	07-Sep-22	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2090619	MS	07-Sep-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2090619	MS	07-Sep-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2090619	MS	07-Sep-22	8015B	

Surrogate: 1-Chlorooctane			86.2 %	45.3-161		2090619	MS	07-Sep-22	8015B	
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Surrogate: 1-Chlorooctadecane			89.4 %	46.3-178		2090619	MS	07-Sep-22	8015B	
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**Analytical Results For:**

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: BIG WALT Project Number: 03B1417054 Project Manager: BEAUX JENNINGS Fax To:	Reported: 08-Sep-22 15:23
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**FS - 143 0.25-0.5"**  
**H224052-52 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories**

**Inorganic Compounds**

Chloride	<16.0		16.0	mg/kg	4	2090720	AC	07-Sep-22	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	2090707	JH	07-Sep-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2090707	JH	07-Sep-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2090707	JH	07-Sep-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2090707	JH	07-Sep-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2090707	JH	07-Sep-22	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			102 %	69.9-140		2090707	JH	07-Sep-22	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2090619	MS	07-Sep-22	8015B	
DRO >C10-C28*	11.7		10.0	mg/kg	1	2090619	MS	07-Sep-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2090619	MS	07-Sep-22	8015B	

Surrogate: 1-Chlorooctane			76.4 %	45.3-161		2090619	MS	07-Sep-22	8015B	
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Surrogate: 1-Chlorooctadecane			79.8 %	46.3-178		2090619	MS	07-Sep-22	8015B	
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**Analytical Results For:**

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: BIG WALT Project Number: 03B1417054 Project Manager: BEAUX JENNINGS Fax To:	Reported: 08-Sep-22 15:23
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**FS - 144 0.25-0.5"**  
**H224052-53 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories**

**Inorganic Compounds**

Chloride	<16.0		16.0	mg/kg	4	2090720	AC	07-Sep-22	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	2090707	JH	07-Sep-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2090707	JH	07-Sep-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2090707	JH	07-Sep-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2090707	JH	07-Sep-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2090707	JH	07-Sep-22	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			101 %	69.9-140		2090707	JH	07-Sep-22	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2090619	MS	07-Sep-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2090619	MS	07-Sep-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2090619	MS	07-Sep-22	8015B	

Surrogate: 1-Chlorooctane			70.1 %	45.3-161		2090619	MS	07-Sep-22	8015B	
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Surrogate: 1-Chlorooctadecane			74.3 %	46.3-178		2090619	MS	07-Sep-22	8015B	
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**Analytical Results For:**

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: BIG WALT Project Number: 03B1417054 Project Manager: BEAUX JENNINGS Fax To:	Reported: 08-Sep-22 15:23
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**FS - 145 0.25-0.5"**  
**H224052-54 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories**

**Inorganic Compounds**

<b>Chloride</b>	<b>16.0</b>		16.0	mg/kg	4	2090720	AC	07-Sep-22	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	2090707	JH	07-Sep-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2090707	JH	07-Sep-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2090707	JH	07-Sep-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2090707	JH	07-Sep-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2090707	JH	07-Sep-22	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			102 %	69.9-140		2090707	JH	07-Sep-22	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2090619	MS	07-Sep-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2090619	MS	07-Sep-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2090619	MS	07-Sep-22	8015B	

<i>Surrogate: 1-Chlorooctane</i>			78.7 %	45.3-161		2090619	MS	07-Sep-22	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			81.1 %	46.3-178		2090619	MS	07-Sep-22	8015B	
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**Analytical Results For:**

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

Project: BIG WALT  
Project Number: 03B1417054  
Project Manager: BEAUX JENNINGS  
Fax To:

Reported:  
08-Sep-22 15:23

**FS - 146 0.25-0.5"****H224052-55 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

Chloride	<16.0		16.0	mg/kg	4	2090720	AC	07-Sep-22	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	2090707	JH	07-Sep-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2090707	JH	07-Sep-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2090707	JH	07-Sep-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2090707	JH	07-Sep-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2090707	JH	07-Sep-22	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			100 %	69.9-140		2090707	JH	07-Sep-22	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2090619	MS	07-Sep-22	8015B	
DRO >C10-C28*	43.7		10.0	mg/kg	1	2090619	MS	07-Sep-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2090619	MS	07-Sep-22	8015B	

Surrogate: 1-Chlorooctane			87.0 %	45.3-161		2090619	MS	07-Sep-22	8015B	
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Surrogate: 1-Chlorooctadecane			104 %	46.3-178		2090619	MS	07-Sep-22	8015B	
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**Analytical Results For:**

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: BIG WALT Project Number: 03B1417054 Project Manager: BEAUX JENNINGS Fax To:	Reported: 08-Sep-22 15:23
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**FS - 147 0.25-0.5"**  
**H224052-56 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories**

**Inorganic Compounds**

<b>Chloride</b>	<b>48.0</b>		16.0	mg/kg	4	2090720	AC	07-Sep-22	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	2090707	JH	07-Sep-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2090707	JH	07-Sep-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2090707	JH	07-Sep-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2090707	JH	07-Sep-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2090707	JH	07-Sep-22	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			101 %	69.9-140		2090707	JH	07-Sep-22	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2090619	MS	07-Sep-22	8015B	
<b>DRO &gt;C10-C28*</b>	<b>21.5</b>		10.0	mg/kg	1	2090619	MS	07-Sep-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2090619	MS	07-Sep-22	8015B	

<i>Surrogate: 1-Chlorooctane</i>			91.5 %	45.3-161		2090619	MS	07-Sep-22	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			104 %	46.3-178		2090619	MS	07-Sep-22	8015B	
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**Analytical Results For:**

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: BIG WALT Project Number: 03B1417054 Project Manager: BEAUX JENNINGS Fax To:	Reported: 08-Sep-22 15:23
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**FS - 148 0.25-0.5"**  
**H224052-57 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories**

**Inorganic Compounds**

Chloride	<16.0		16.0	mg/kg	4	2090720	AC	07-Sep-22	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	2090707	JH	07-Sep-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2090707	JH	07-Sep-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2090707	JH	07-Sep-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2090707	JH	07-Sep-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2090707	JH	07-Sep-22	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			101 %	69.9-140		2090707	JH	07-Sep-22	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2090619	MS	07-Sep-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2090619	MS	07-Sep-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2090619	MS	07-Sep-22	8015B	

Surrogate: 1-Chlorooctane			92.5 %	45.3-161		2090619	MS	07-Sep-22	8015B	
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Surrogate: 1-Chlorooctadecane			97.6 %	46.3-178		2090619	MS	07-Sep-22	8015B	
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**Analytical Results For:**

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: BIG WALT Project Number: 03B1417054 Project Manager: BEAUX JENNINGS Fax To:	Reported: 08-Sep-22 15:23
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**FS - 149 0.25-0.5"**  
**H224052-58 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories**

**Inorganic Compounds**

Chloride	<16.0		16.0	mg/kg	4	2090720	AC	07-Sep-22	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	2090707	JH	07-Sep-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2090707	JH	07-Sep-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2090707	JH	07-Sep-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2090707	JH	07-Sep-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2090707	JH	07-Sep-22	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			100 %	69.9-140		2090707	JH	07-Sep-22	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2090619	MS	07-Sep-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2090619	MS	07-Sep-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2090619	MS	07-Sep-22	8015B	

Surrogate: 1-Chlorooctane			92.0 %	45.3-161		2090619	MS	07-Sep-22	8015B	
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Surrogate: 1-Chlorooctadecane			96.7 %	46.3-178		2090619	MS	07-Sep-22	8015B	
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**Analytical Results For:**

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: BIG WALT Project Number: 03B1417054 Project Manager: BEAUX JENNINGS Fax To:	Reported: 08-Sep-22 15:23
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**FS - 150 0.25-0.5"**  
**H224052-59 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories**

**Inorganic Compounds**

Chloride	<16.0		16.0	mg/kg	4	2090720	AC	07-Sep-22	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	2090707	JH	07-Sep-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2090707	JH	07-Sep-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2090707	JH	07-Sep-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2090707	JH	07-Sep-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2090707	JH	07-Sep-22	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			101 %	69.9-140		2090707	JH	07-Sep-22	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2090619	MS	07-Sep-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2090619	MS	07-Sep-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2090619	MS	07-Sep-22	8015B	

Surrogate: 1-Chlorooctane			98.3 %	45.3-161		2090619	MS	07-Sep-22	8015B	
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Surrogate: 1-Chlorooctadecane			103 %	46.3-178		2090619	MS	07-Sep-22	8015B	
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**Analytical Results For:**

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: BIG WALT Project Number: 03B1417054 Project Manager: BEAUX JENNINGS Fax To:	Reported: 08-Sep-22 15:23
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**FS - 151 0.25-0.5"**  
**H224052-60 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories**

**Inorganic Compounds**

Chloride	<16.0		16.0	mg/kg	4	2090720	AC	07-Sep-22	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	2090707	JH	07-Sep-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2090707	JH	07-Sep-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2090707	JH	07-Sep-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2090707	JH	07-Sep-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2090707	JH	07-Sep-22	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			101 %	69.9-140		2090707	JH	07-Sep-22	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2090619	MS	07-Sep-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2090619	MS	07-Sep-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2090619	MS	07-Sep-22	8015B	

Surrogate: 1-Chlorooctane			84.4 %	45.3-161		2090619	MS	07-Sep-22	8015B	
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Surrogate: 1-Chlorooctadecane			88.9 %	46.3-178		2090619	MS	07-Sep-22	8015B	
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**Analytical Results For:**

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: BIG WALT Project Number: 03B1417054 Project Manager: BEAUX JENNINGS Fax To:	Reported: 08-Sep-22 15:23
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**FS - 152 0.25-0.5"**  
**H224052-61 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories**

**Inorganic Compounds**

Chloride	<16.0		16.0	mg/kg	4	2090720	AC	07-Sep-22	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	2090707	JH	07-Sep-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2090707	JH	07-Sep-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2090707	JH	07-Sep-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2090707	JH	07-Sep-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2090707	JH	07-Sep-22	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			101 %	69.9-140		2090707	JH	07-Sep-22	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2090619	MS	07-Sep-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2090619	MS	07-Sep-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2090619	MS	07-Sep-22	8015B	

Surrogate: 1-Chlorooctane			95.7 %	45.3-161		2090619	MS	07-Sep-22	8015B	
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Surrogate: 1-Chlorooctadecane			101 %	46.3-178		2090619	MS	07-Sep-22	8015B	
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**Analytical Results For:**

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: BIG WALT Project Number: 03B1417054 Project Manager: BEAUX JENNINGS Fax To:	Reported: 08-Sep-22 15:23
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**FS - 153 0.25-0.5"**  
**H224052-62 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories**

**Inorganic Compounds**

Chloride	<16.0		16.0	mg/kg	4	2090720	AC	07-Sep-22	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	2090707	JH	07-Sep-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2090707	JH	07-Sep-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2090707	JH	07-Sep-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2090707	JH	07-Sep-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2090707	JH	07-Sep-22	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			101 %	69.9-140		2090707	JH	07-Sep-22	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2090619	MS	07-Sep-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2090619	MS	07-Sep-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2090619	MS	07-Sep-22	8015B	

Surrogate: 1-Chlorooctane			92.0 %	45.3-161		2090619	MS	07-Sep-22	8015B	
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Surrogate: 1-Chlorooctadecane			97.5 %	46.3-178		2090619	MS	07-Sep-22	8015B	
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**Analytical Results For:**

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: BIG WALT Project Number: 03B1417054 Project Manager: BEAUX JENNINGS Fax To:	Reported: 08-Sep-22 15:23
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**FS - 154 0.25-0.5"**  
**H224052-63 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories**

**Inorganic Compounds**

Chloride	<16.0		16.0	mg/kg	4	2090720	AC	07-Sep-22	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	2090707	JH	07-Sep-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2090707	JH	07-Sep-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2090707	JH	07-Sep-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2090707	JH	07-Sep-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2090707	JH	07-Sep-22	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			101 %	69.9-140		2090707	JH	07-Sep-22	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2090619	MS	07-Sep-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2090619	MS	07-Sep-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2090619	MS	07-Sep-22	8015B	

Surrogate: 1-Chlorooctane			88.6 %	45.3-161		2090619	MS	07-Sep-22	8015B	
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Surrogate: 1-Chlorooctadecane			92.5 %	46.3-178		2090619	MS	07-Sep-22	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: BIG WALT Project Number: 03B1417054 Project Manager: BEAUX JENNINGS Fax To:	Reported: 08-Sep-22 15:23
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**FS - 155 0.25-0.5"**  
**H224052-64 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories**

**Inorganic Compounds**

Chloride	<16.0		16.0	mg/kg	4	2090720	AC	07-Sep-22	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	2090707	JH	07-Sep-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2090707	JH	07-Sep-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2090707	JH	07-Sep-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2090707	JH	07-Sep-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2090707	JH	07-Sep-22	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			101 %	69.9-140		2090707	JH	07-Sep-22	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2090619	MS	07-Sep-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2090619	MS	07-Sep-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2090619	MS	07-Sep-22	8015B	

Surrogate: 1-Chlorooctane			86.9 %	45.3-161		2090619	MS	07-Sep-22	8015B	
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Surrogate: 1-Chlorooctadecane			91.5 %	46.3-178		2090619	MS	07-Sep-22	8015B	
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**Analytical Results For:**

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: BIG WALT Project Number: 03B1417054 Project Manager: BEAUX JENNINGS Fax To:	Reported: 08-Sep-22 15:23
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**FS - 156 0.25-0.5"**  
**H224052-65 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories**

**Inorganic Compounds**

Chloride	<16.0		16.0	mg/kg	4	2090721	AC	07-Sep-22	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	2090707	JH	07-Sep-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2090707	JH	07-Sep-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2090707	JH	07-Sep-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2090707	JH	07-Sep-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2090707	JH	07-Sep-22	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			101 %	69.9-140		2090707	JH	07-Sep-22	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2090619	MS	07-Sep-22	8015B	
DRO >C10-C28*	25.1		10.0	mg/kg	1	2090619	MS	07-Sep-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2090619	MS	07-Sep-22	8015B	

Surrogate: 1-Chlorooctane			91.5 %	45.3-161		2090619	MS	07-Sep-22	8015B	
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Surrogate: 1-Chlorooctadecane			95.4 %	46.3-178		2090619	MS	07-Sep-22	8015B	
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**Analytical Results For:**

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: BIG WALT Project Number: 03B1417054 Project Manager: BEAUX JENNINGS Fax To:	Reported: 08-Sep-22 15:23
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**FS - 157 0.25-0.5"**  
**H224052-66 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories**

**Inorganic Compounds**

Chloride	<16.0		16.0	mg/kg	4	2090721	AC	07-Sep-22	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	2090707	JH	07-Sep-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2090707	JH	07-Sep-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2090707	JH	07-Sep-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2090707	JH	07-Sep-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2090707	JH	07-Sep-22	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			100 %	69.9-140		2090707	JH	07-Sep-22	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2090619	MS	07-Sep-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2090619	MS	07-Sep-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2090619	MS	07-Sep-22	8015B	

Surrogate: 1-Chlorooctane			93.9 %	45.3-161		2090619	MS	07-Sep-22	8015B	
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Surrogate: 1-Chlorooctadecane			100 %	46.3-178		2090619	MS	07-Sep-22	8015B	
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**Analytical Results For:**

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: BIG WALT Project Number: 03B1417054 Project Manager: BEAUX JENNINGS Fax To:	Reported: 08-Sep-22 15:23
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**FS - 158 0.25-0.5"**  
**H224052-67 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories**

**Inorganic Compounds**

Chloride	<16.0		16.0	mg/kg	4	2090721	AC	07-Sep-22	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	2090707	JH	07-Sep-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2090707	JH	07-Sep-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2090707	JH	07-Sep-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2090707	JH	07-Sep-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2090707	JH	07-Sep-22	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			98.2 %	69.9-140		2090707	JH	07-Sep-22	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2090619	MS	07-Sep-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2090619	MS	07-Sep-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2090619	MS	07-Sep-22	8015B	

Surrogate: 1-Chlorooctane			87.9 %	45.3-161		2090619	MS	07-Sep-22	8015B	
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Surrogate: 1-Chlorooctadecane			92.7 %	46.3-178		2090619	MS	07-Sep-22	8015B	
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**Analytical Results For:**

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: BIG WALT Project Number: 03B1417054 Project Manager: BEAUX JENNINGS Fax To:	Reported: 08-Sep-22 15:23
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**FS - 159 0.25-0.5"**  
**H224052-68 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories**

**Inorganic Compounds**

Chloride	<16.0		16.0	mg/kg	4	2090721	AC	07-Sep-22	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	2090707	JH	07-Sep-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2090707	JH	07-Sep-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2090707	JH	07-Sep-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2090707	JH	07-Sep-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2090707	JH	07-Sep-22	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			101 %	69.9-140		2090707	JH	07-Sep-22	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2090619	MS	07-Sep-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2090619	MS	07-Sep-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2090619	MS	07-Sep-22	8015B	

Surrogate: 1-Chlorooctane			83.5 %	45.3-161		2090619	MS	07-Sep-22	8015B	
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Surrogate: 1-Chlorooctadecane			87.5 %	46.3-178		2090619	MS	07-Sep-22	8015B	
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**Analytical Results For:**

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: BIG WALT Project Number: 03B1417054 Project Manager: BEAUX JENNINGS Fax To:	Reported: 08-Sep-22 15:23
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**FS - 160 0.25-0.5"  
H224052-69 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories**

**Inorganic Compounds**

Chloride	<16.0		16.0	mg/kg	4	2090721	AC	07-Sep-22	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	2090707	JH	07-Sep-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2090707	JH	07-Sep-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2090707	JH	07-Sep-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2090707	JH	07-Sep-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2090707	JH	07-Sep-22	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			101 %	69.9-140		2090707	JH	07-Sep-22	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2090619	MS	07-Sep-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2090619	MS	07-Sep-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2090619	MS	07-Sep-22	8015B	

Surrogate: 1-Chlorooctane			91.3 %	45.3-161		2090619	MS	07-Sep-22	8015B	
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Surrogate: 1-Chlorooctadecane			95.0 %	46.3-178		2090619	MS	07-Sep-22	8015B	
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**Analytical Results For:**

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: BIG WALT Project Number: 03B1417054 Project Manager: BEAUX JENNINGS Fax To:	Reported: 08-Sep-22 15:23
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**FS - 161 0.25-0.5"**  
**H224052-70 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories**

**Inorganic Compounds**

Chloride	<16.0		16.0	mg/kg	4	2090721	AC	07-Sep-22	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	2090707	JH	07-Sep-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2090707	JH	07-Sep-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2090707	JH	07-Sep-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2090707	JH	07-Sep-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2090707	JH	07-Sep-22	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			99.0 %		69.9-140	2090707	JH	07-Sep-22	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2090620	MS	07-Sep-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2090620	MS	07-Sep-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2090620	MS	07-Sep-22	8015B	

Surrogate: 1-Chlorooctane			76.7 %		45.3-161	2090620	MS	07-Sep-22	8015B	
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Surrogate: 1-Chlorooctadecane			85.2 %		46.3-178	2090620	MS	07-Sep-22	8015B	
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**Analytical Results For:**

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: BIG WALT Project Number: 03B1417054 Project Manager: BEAUX JENNINGS Fax To:	Reported: 08-Sep-22 15:23
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**FS - 61 0-0.25"**  
**H224052-71 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories**

**Inorganic Compounds**

Chloride	<16.0		16.0	mg/kg	4	2090721	AC	07-Sep-22	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	2090708	JH	08-Sep-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2090708	JH	08-Sep-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2090708	JH	08-Sep-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2090708	JH	08-Sep-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2090708	JH	08-Sep-22	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			101 %	69.9-140		2090708	JH	08-Sep-22	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2090620	MS	07-Sep-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2090620	MS	07-Sep-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2090620	MS	07-Sep-22	8015B	

Surrogate: 1-Chlorooctane			75.8 %	45.3-161		2090620	MS	07-Sep-22	8015B	
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Surrogate: 1-Chlorooctadecane			81.8 %	46.3-178		2090620	MS	07-Sep-22	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: BIG WALT Project Number: 03B1417054 Project Manager: BEAUX JENNINGS Fax To:	Reported: 08-Sep-22 15:23
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**FS - 162 0.25-0.5"**  
**H224052-72 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories**

**Inorganic Compounds**

<b>Chloride</b>	<b>16.0</b>		16.0	mg/kg	4	2090721	AC	07-Sep-22	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	2090708	JH	08-Sep-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2090708	JH	08-Sep-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2090708	JH	08-Sep-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2090708	JH	08-Sep-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2090708	JH	08-Sep-22	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			101 %	69.9-140		2090708	JH	08-Sep-22	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2090620	MS	07-Sep-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2090620	MS	07-Sep-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2090620	MS	07-Sep-22	8015B	

<i>Surrogate: 1-Chlorooctane</i>			75.3 %	45.3-161		2090620	MS	07-Sep-22	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			85.5 %	46.3-178		2090620	MS	07-Sep-22	8015B	
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**Analytical Results For:**

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: BIG WALT Project Number: 03B1417054 Project Manager: BEAUX JENNINGS Fax To:	Reported: 08-Sep-22 15:23
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**FS - 163 0.25-0.5"**  
**H224052-73 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories**

**Inorganic Compounds**

Chloride	<16.0		16.0	mg/kg	4	2090721	AC	07-Sep-22	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	2090708	JH	08-Sep-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2090708	JH	08-Sep-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2090708	JH	08-Sep-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2090708	JH	08-Sep-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2090708	JH	08-Sep-22	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			100 %	69.9-140		2090708	JH	08-Sep-22	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2090620	MS	07-Sep-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2090620	MS	07-Sep-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2090620	MS	07-Sep-22	8015B	

Surrogate: 1-Chlorooctane			77.8 %	45.3-161		2090620	MS	07-Sep-22	8015B	
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Surrogate: 1-Chlorooctadecane			86.5 %	46.3-178		2090620	MS	07-Sep-22	8015B	
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**Analytical Results For:**

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: BIG WALT Project Number: 03B1417054 Project Manager: BEAUX JENNINGS Fax To:	Reported: 08-Sep-22 15:23
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**FS - 164 0.25-0.5"**  
**H224052-74 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories**

**Inorganic Compounds**

Chloride	<16.0		16.0	mg/kg	4	2090721	AC	07-Sep-22	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	2090708	JH	08-Sep-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2090708	JH	08-Sep-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2090708	JH	08-Sep-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2090708	JH	08-Sep-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2090708	JH	08-Sep-22	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			101 %	69.9-140		2090708	JH	08-Sep-22	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2090620	MS	07-Sep-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2090620	MS	07-Sep-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2090620	MS	07-Sep-22	8015B	

Surrogate: 1-Chlorooctane			84.6 %	45.3-161		2090620	MS	07-Sep-22	8015B	
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Surrogate: 1-Chlorooctadecane			94.0 %	46.3-178		2090620	MS	07-Sep-22	8015B	
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**Analytical Results For:**

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: BIG WALT Project Number: 03B1417054 Project Manager: BEAUX JENNINGS Fax To:	Reported: 08-Sep-22 15:23
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**FS - 165 0.25-0.5"**  
**H224052-75 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories**

**Inorganic Compounds**

Chloride	<16.0		16.0	mg/kg	4	2090721	AC	07-Sep-22	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	2090708	JH	08-Sep-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2090708	JH	08-Sep-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2090708	JH	08-Sep-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2090708	JH	08-Sep-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2090708	JH	08-Sep-22	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			100 %	69.9-140		2090708	JH	08-Sep-22	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2090620	MS	07-Sep-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2090620	MS	07-Sep-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2090620	MS	07-Sep-22	8015B	

Surrogate: 1-Chlorooctane			80.9 %	45.3-161		2090620	MS	07-Sep-22	8015B	
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Surrogate: 1-Chlorooctadecane			90.1 %	46.3-178		2090620	MS	07-Sep-22	8015B	
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**Analytical Results For:**

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: BIG WALT Project Number: 03B1417054 Project Manager: BEAUX JENNINGS Fax To:	Reported: 08-Sep-22 15:23
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**Inorganic Compounds - Quality Control**  
**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 2090714 - 1:4 DI Water**

<b>Blank (2090714-BLK1)</b>				Prepared & Analyzed: 07-Sep-22						
Chloride	ND	16.0	mg/kg							
<b>LCS (2090714-BS1)</b>				Prepared & Analyzed: 07-Sep-22						
Chloride	432	16.0	mg/kg	400		108	80-120			
<b>LCS Dup (2090714-BSD1)</b>				Prepared & Analyzed: 07-Sep-22						
Chloride	416	16.0	mg/kg	400		104	80-120	3.77	20	

**Batch 2090718 - 1:4 DI Water**

<b>Blank (2090718-BLK1)</b>				Prepared & Analyzed: 07-Sep-22						
Chloride	ND	16.0	mg/kg							
<b>LCS (2090718-BS1)</b>				Prepared & Analyzed: 07-Sep-22						
Chloride	416	16.0	mg/kg	400		104	80-120			
<b>LCS Dup (2090718-BSD1)</b>				Prepared & Analyzed: 07-Sep-22						
Chloride	416	16.0	mg/kg	400		104	80-120	0.00	20	

**Batch 2090719 - 1:4 DI Water**

<b>Blank (2090719-BLK1)</b>				Prepared & Analyzed: 07-Sep-22						
Chloride	ND	16.0	mg/kg							
<b>LCS (2090719-BS1)</b>				Prepared & Analyzed: 07-Sep-22						
Chloride	432	16.0	mg/kg	400		108	80-120			

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**Analytical Results For:**

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: BIG WALT Project Number: 03B1417054 Project Manager: BEAUX JENNINGS Fax To:	Reported: 08-Sep-22 15:23
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**Inorganic Compounds - Quality Control**

**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 2090719 - 1:4 DI Water**

<b>LCS Dup (2090719-BSD1)</b>				Prepared & Analyzed: 07-Sep-22						
Chloride	432	16.0	mg/kg	400		108	80-120	0.00	20	

**Batch 2090720 - 1:4 DI Water**

<b>Blank (2090720-BLK1)</b>				Prepared & Analyzed: 07-Sep-22						
Chloride	ND	16.0	mg/kg							

<b>LCS (2090720-BS1)</b>				Prepared & Analyzed: 07-Sep-22						
Chloride	432	16.0	mg/kg	400		108	80-120			

<b>LCS Dup (2090720-BSD1)</b>				Prepared & Analyzed: 07-Sep-22						
Chloride	432	16.0	mg/kg	400		108	80-120	0.00	20	

**Batch 2090721 - 1:4 DI Water**

<b>Blank (2090721-BLK1)</b>				Prepared & Analyzed: 07-Sep-22						
Chloride	ND	16.0	mg/kg							

<b>LCS (2090721-BS1)</b>				Prepared & Analyzed: 07-Sep-22						
Chloride	400	16.0	mg/kg	400		100	80-120			

<b>LCS Dup (2090721-BSD1)</b>				Prepared & Analyzed: 07-Sep-22						
Chloride	416	16.0	mg/kg	400		104	80-120	3.92	20	

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**Analytical Results For:**

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

Project: BIG WALT  
Project Number: 03B1417054  
Project Manager: BEAUX JENNINGS  
Fax To:

Reported:  
08-Sep-22 15:23

**Volatile Organic Compounds by EPA Method 8021 - Quality Control****Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 2090628 - Volatiles****Blank (2090628-BLK1)**

Prepared: 06-Sep-22 Analyzed: 07-Sep-22

Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							
Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	ND		mg/kg	0.0500		99.5	69.9-140			

**LCS (2090628-BS1)**

Prepared: 06-Sep-22 Analyzed: 07-Sep-22

Benzene	1.84	0.050	mg/kg	2.00		92.0	83.4-122			
Toluene	1.91	0.050	mg/kg	2.00		95.3	84.2-126			
Ethylbenzene	1.91	0.050	mg/kg	2.00		95.6	84.2-121			
m,p-Xylene	4.03	0.100	mg/kg	4.00		101	89.9-126			
o-Xylene	1.94	0.050	mg/kg	2.00		97.0	84.3-123			
Total Xylenes	5.97	0.150	mg/kg	6.00		99.5	89.1-124			
Surrogate: 4-Bromofluorobenzene (PID)	0.0490		mg/kg	0.0500		98.1	69.9-140			

**LCS Dup (2090628-BS1)**

Prepared: 06-Sep-22 Analyzed: 07-Sep-22

Benzene	1.77	0.050	mg/kg	2.00		88.3	83.4-122	4.17	12.6	
Toluene	1.80	0.050	mg/kg	2.00		90.2	84.2-126	5.55	13.3	
Ethylbenzene	1.84	0.050	mg/kg	2.00		92.2	84.2-121	3.61	13.9	
m,p-Xylene	3.87	0.100	mg/kg	4.00		96.7	89.9-126	4.03	13.6	
o-Xylene	1.85	0.050	mg/kg	2.00		92.6	84.3-123	4.61	14.1	
Total Xylenes	5.72	0.150	mg/kg	6.00		95.4	89.1-124	4.22	13.4	
Surrogate: 4-Bromofluorobenzene (PID)	0.0492		mg/kg	0.0500		98.3	69.9-140			

**Batch 2090629 - Volatiles****Blank (2090629-BLK1)**

Prepared: 06-Sep-22 Analyzed: 07-Sep-22

Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							

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**Analytical Results For:**

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

Project: BIG WALT  
Project Number: 03B1417054  
Project Manager: BEAUX JENNINGS  
Fax To:

Reported:  
08-Sep-22 15:23

**Volatile Organic Compounds by EPA Method 8021 - Quality Control****Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 2090629 - Volatiles****Blank (2090629-BLK1)**

Prepared: 06-Sep-22 Analyzed: 07-Sep-22

Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	0.0585		mg/kg	0.0500		117	69.9-140			

**LCS (2090629-BS1)**

Prepared: 06-Sep-22 Analyzed: 07-Sep-22

Benzene	1.80	0.050	mg/kg	2.00		90.1	83.4-122			
Toluene	1.90	0.050	mg/kg	2.00		95.2	84.2-126			
Ethylbenzene	1.92	0.050	mg/kg	2.00		96.0	84.2-121			
m,p-Xylene	4.04	0.100	mg/kg	4.00		101	89.9-126			
o-Xylene	2.02	0.050	mg/kg	2.00		101	84.3-123			
Total Xylenes	6.05	0.150	mg/kg	6.00		101	89.1-124			
Surrogate: 4-Bromofluorobenzene (PID)	0.0570		mg/kg	0.0500		114	69.9-140			

**LCS Dup (2090629-BSD1)**

Prepared: 06-Sep-22 Analyzed: 07-Sep-22

Benzene	1.73	0.050	mg/kg	2.00		86.7	83.4-122	3.86	12.6	
Toluene	1.86	0.050	mg/kg	2.00		92.8	84.2-126	2.58	13.3	
Ethylbenzene	1.86	0.050	mg/kg	2.00		92.8	84.2-121	3.37	13.9	
m,p-Xylene	3.87	0.100	mg/kg	4.00		96.6	89.9-126	4.38	13.6	
o-Xylene	1.93	0.050	mg/kg	2.00		96.3	84.3-123	4.59	14.1	
Total Xylenes	5.79	0.150	mg/kg	6.00		96.5	89.1-124	4.45	13.4	
Surrogate: 4-Bromofluorobenzene (PID)	0.0571		mg/kg	0.0500		114	69.9-140			

**Batch 2090630 - Volatiles****Blank (2090630-BLK1)**

Prepared: 06-Sep-22 Analyzed: 07-Sep-22

Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							
Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	0.0551		mg/kg	0.0500		110	69.9-140			

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Project: BIG WALT  
Project Number: 03B1417054  
Project Manager: BEAUX JENNINGS  
Fax To:

Reported:  
08-Sep-22 15:23

**Volatile Organic Compounds by EPA Method 8021 - Quality Control****Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 2090630 - Volatiles****LCS (2090630-BS1)**

Prepared: 06-Sep-22 Analyzed: 07-Sep-22

Benzene	1.76	0.050	mg/kg	2.00		87.8	83.4-122			
Toluene	2.16	0.050	mg/kg	2.00		108	84.2-126			
Ethylbenzene	2.14	0.050	mg/kg	2.00		107	84.2-121			
m,p-Xylene	4.46	0.100	mg/kg	4.00		112	89.9-126			
o-Xylene	2.19	0.050	mg/kg	2.00		109	84.3-123			
Total Xylenes	6.65	0.150	mg/kg	6.00		111	89.1-124			

Surrogate: 4-Bromofluorobenzene (PID) 0.0547 mg/kg 0.0500 109 69.9-140

**LCS Dup (2090630-BS1)**

Prepared: 06-Sep-22 Analyzed: 07-Sep-22

Benzene	1.77	0.050	mg/kg	2.00		88.6	83.4-122	0.921	12.6	
Toluene	2.12	0.050	mg/kg	2.00		106	84.2-126	1.69	13.3	
Ethylbenzene	2.17	0.050	mg/kg	2.00		109	84.2-121	1.54	13.9	
m,p-Xylene	4.57	0.100	mg/kg	4.00		114	89.9-126	2.46	13.6	
o-Xylene	2.24	0.050	mg/kg	2.00		112	84.3-123	2.45	14.1	
Total Xylenes	6.82	0.150	mg/kg	6.00		114	89.1-124	2.45	13.4	

Surrogate: 4-Bromofluorobenzene (PID) 0.0559 mg/kg 0.0500 112 69.9-140

**Batch 2090707 - Volatiles****Blank (2090707-BLK1)**

Prepared &amp; Analyzed: 07-Sep-22

Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							
Total BTEX	ND	0.300	mg/kg							

Surrogate: 4-Bromofluorobenzene (PID) 0.0503 mg/kg 0.0500 101 69.9-140

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**Analytical Results For:**

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: BIG WALT Project Number: 03B1417054 Project Manager: BEAUX JENNINGS Fax To:	Reported: 08-Sep-22 15:23
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**Volatile Organic Compounds by EPA Method 8021 - Quality Control**

**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 2090707 - Volatiles**

**LCS (2090707-BS1)**

Prepared & Analyzed: 07-Sep-22

Benzene	1.98	0.050	mg/kg	2.00		98.8	83.4-122			
Toluene	1.95	0.050	mg/kg	2.00		97.5	84.2-126			
Ethylbenzene	1.93	0.050	mg/kg	2.00		96.7	84.2-121			
m,p-Xylene	4.02	0.100	mg/kg	4.00		101	89.9-126			
o-Xylene	1.91	0.050	mg/kg	2.00		95.6	84.3-123			
Total Xylenes	5.94	0.150	mg/kg	6.00		98.9	89.1-124			

Surrogate: 4-Bromofluorobenzene (PID)	0.0487		mg/kg	0.0500		97.5	69.9-140			
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**LCS Dup (2090707-BSD1)**

Prepared & Analyzed: 07-Sep-22

Benzene	1.74	0.050	mg/kg	2.00		87.1	83.4-122	12.6	12.6	
Toluene	1.73	0.050	mg/kg	2.00		86.3	84.2-126	12.2	13.3	
Ethylbenzene	1.71	0.050	mg/kg	2.00		85.7	84.2-121	12.1	13.9	
m,p-Xylene	3.60	0.100	mg/kg	4.00		90.1	89.9-126	11.0	13.6	
o-Xylene	1.73	0.050	mg/kg	2.00		86.5	84.3-123	9.94	14.1	
Total Xylenes	5.33	0.150	mg/kg	6.00		88.9	89.1-124	10.7	13.4	BS-3

Surrogate: 4-Bromofluorobenzene (PID)	0.0493		mg/kg	0.0500		98.6	69.9-140			
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**Batch 2090708 - Volatiles**

**Blank (2090708-BLK1)**

Prepared: 07-Sep-22 Analyzed: 08-Sep-22

Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							
Total BTEX	ND	0.300	mg/kg							

Surrogate: 4-Bromofluorobenzene (PID)	0.0501		mg/kg	0.0500		100	69.9-140			
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**Analytical Results For:**

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: BIG WALT Project Number: 03B1417054 Project Manager: BEAUX JENNINGS Fax To:	Reported: 08-Sep-22 15:23
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**Volatile Organic Compounds by EPA Method 8021 - Quality Control**

**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 2090708 - Volatiles**

**LCS (2090708-BS1)**

Prepared: 07-Sep-22 Analyzed: 08-Sep-22

Benzene	1.94	0.050	mg/kg	2.00		96.9	83.4-122			
Toluene	1.93	0.050	mg/kg	2.00		96.4	84.2-126			
Ethylbenzene	1.92	0.050	mg/kg	2.00		95.8	84.2-121			
m,p-Xylene	4.01	0.100	mg/kg	4.00		100	89.9-126			
o-Xylene	1.91	0.050	mg/kg	2.00		95.6	84.3-123			
Total Xylenes	5.92	0.150	mg/kg	6.00		98.7	89.1-124			

Surrogate: 4-Bromofluorobenzene (PID)	0.0489		mg/kg	0.0500		97.8	69.9-140			
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**LCS Dup (2090708-BSD1)**

Prepared: 07-Sep-22 Analyzed: 08-Sep-22

Benzene	1.97	0.050	mg/kg	2.00		98.4	83.4-122	1.47	12.6	
Toluene	1.94	0.050	mg/kg	2.00		97.1	84.2-126	0.694	13.3	
Ethylbenzene	1.91	0.050	mg/kg	2.00		95.7	84.2-121	0.0946	13.9	
m,p-Xylene	3.98	0.100	mg/kg	4.00		99.6	89.9-126	0.692	13.6	
o-Xylene	1.89	0.050	mg/kg	2.00		94.6	84.3-123	0.978	14.1	
Total Xylenes	5.88	0.150	mg/kg	6.00		97.9	89.1-124	0.784	13.4	

Surrogate: 4-Bromofluorobenzene (PID)	0.0489		mg/kg	0.0500		97.7	69.9-140			
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**Analytical Results For:**

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: BIG WALT Project Number: 03B1417054 Project Manager: BEAUX JENNINGS Fax To:	Reported: 08-Sep-22 15:23
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**Petroleum Hydrocarbons by GC FID - Quality Control**

**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 2090606 - General Prep - Organics**

<b>Blank (2090606-BLK1)</b>		Prepared: 06-Sep-22 Analyzed: 07-Sep-22								
GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	38.6		mg/kg	50.0		77.1	45.3-161			
Surrogate: 1-Chlorooctadecane	42.3		mg/kg	50.0		84.6	46.3-178			

<b>LCS (2090606-BS1)</b>		Prepared: 06-Sep-22 Analyzed: 07-Sep-22								
GRO C6-C10	197	10.0	mg/kg	200		98.3	76.8-124			
DRO >C10-C28	207	10.0	mg/kg	200		103	74.9-127			
Total TPH C6-C28	403	10.0	mg/kg	400		101	77.5-124			
Surrogate: 1-Chlorooctane	44.3		mg/kg	50.0		88.7	45.3-161			
Surrogate: 1-Chlorooctadecane	52.8		mg/kg	50.0		106	46.3-178			

<b>LCS Dup (2090606-BSD1)</b>		Prepared: 06-Sep-22 Analyzed: 07-Sep-22								
GRO C6-C10	196	10.0	mg/kg	200		98.1	76.8-124	0.208	17.2	
DRO >C10-C28	208	10.0	mg/kg	200		104	74.9-127	0.438	18.6	
Total TPH C6-C28	404	10.0	mg/kg	400		101	77.5-124	0.124	17.6	
Surrogate: 1-Chlorooctane	44.1		mg/kg	50.0		88.3	45.3-161			
Surrogate: 1-Chlorooctadecane	52.1		mg/kg	50.0		104	46.3-178			

**Batch 2090607 - General Prep - Organics**

<b>Blank (2090607-BLK1)</b>		Prepared: 06-Sep-22 Analyzed: 07-Sep-22								
GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	34.6		mg/kg	50.0		69.2	45.3-161			
Surrogate: 1-Chlorooctadecane	37.8		mg/kg	50.0		75.6	46.3-178			

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**Analytical Results For:**

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: BIG WALT Project Number: 03B1417054 Project Manager: BEAUX JENNINGS Fax To:	Reported: 08-Sep-22 15:23
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**Petroleum Hydrocarbons by GC FID - Quality Control**

**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 2090607 - General Prep - Organics**

<b>LCS (2090607-BS1)</b>		Prepared: 06-Sep-22 Analyzed: 07-Sep-22								
GRO C6-C10	185	10.0	mg/kg	200		92.6	76.8-124			
DRO >C10-C28	159	10.0	mg/kg	200		79.4	74.9-127			
Total TPH C6-C28	344	10.0	mg/kg	400		86.0	77.5-124			
Surrogate: 1-Chlorooctane	41.0		mg/kg	50.0		82.1	45.3-161			
Surrogate: 1-Chlorooctadecane	45.1		mg/kg	50.0		90.1	46.3-178			

<b>LCS Dup (2090607-BSD1)</b>		Prepared: 06-Sep-22 Analyzed: 07-Sep-22								
GRO C6-C10	198	10.0	mg/kg	200		98.8	76.8-124	6.47	17.2	
DRO >C10-C28	170	10.0	mg/kg	200		85.0	74.9-127	6.87	18.6	
Total TPH C6-C28	368	10.0	mg/kg	400		91.9	77.5-124	6.65	17.6	
Surrogate: 1-Chlorooctane	41.5		mg/kg	50.0		83.0	45.3-161			
Surrogate: 1-Chlorooctadecane	45.2		mg/kg	50.0		90.4	46.3-178			

**Batch 2090618 - General Prep - Organics**

<b>Blank (2090618-BLK1)</b>		Prepared: 06-Sep-22 Analyzed: 07-Sep-22								
GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	38.2		mg/kg	50.0		76.5	45.3-161			
Surrogate: 1-Chlorooctadecane	38.5		mg/kg	50.0		77.0	46.3-178			

<b>LCS (2090618-BS1)</b>		Prepared: 06-Sep-22 Analyzed: 07-Sep-22								
GRO C6-C10	184	10.0	mg/kg	200		92.0	76.8-124			
DRO >C10-C28	178	10.0	mg/kg	200		88.8	74.9-127			
Total TPH C6-C28	362	10.0	mg/kg	400		90.4	77.5-124			
Surrogate: 1-Chlorooctane	43.3		mg/kg	50.0		86.5	45.3-161			
Surrogate: 1-Chlorooctadecane	43.8		mg/kg	50.0		87.7	46.3-178			

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**Analytical Results For:**

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: BIG WALT Project Number: 03B1417054 Project Manager: BEAUX JENNINGS Fax To:	Reported: 08-Sep-22 15:23
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**Petroleum Hydrocarbons by GC FID - Quality Control**

**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 2090618 - General Prep - Organics**

<b>LCS Dup (2090618-BSD1)</b>		Prepared: 06-Sep-22 Analyzed: 07-Sep-22								
GRO C6-C10	197	10.0	mg/kg	200		98.5	76.8-124	6.87	17.2	
DRO >C10-C28	189	10.0	mg/kg	200		94.7	74.9-127	6.42	18.6	
Total TPH C6-C28	386	10.0	mg/kg	400		96.6	77.5-124	6.65	17.6	
Surrogate: 1-Chlorooctane	47.3		mg/kg	50.0		94.7	45.3-161			
Surrogate: 1-Chlorooctadecane	44.8		mg/kg	50.0		89.7	46.3-178			

**Batch 2090619 - General Prep - Organics**

<b>Blank (2090619-BLK1)</b>		Prepared: 06-Sep-22 Analyzed: 07-Sep-22								
GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	40.8		mg/kg	50.0		81.5	45.3-161			
Surrogate: 1-Chlorooctadecane	42.6		mg/kg	50.0		85.1	46.3-178			

<b>LCS (2090619-BS1)</b>		Prepared: 06-Sep-22 Analyzed: 07-Sep-22								
GRO C6-C10	182	10.0	mg/kg	200		90.8	76.8-124			
DRO >C10-C28	190	10.0	mg/kg	200		94.9	74.9-127			
Total TPH C6-C28	371	10.0	mg/kg	400		92.9	77.5-124			
Surrogate: 1-Chlorooctane	44.7		mg/kg	50.0		89.5	45.3-161			
Surrogate: 1-Chlorooctadecane	49.3		mg/kg	50.0		98.6	46.3-178			

<b>LCS Dup (2090619-BSD1)</b>		Prepared: 06-Sep-22 Analyzed: 07-Sep-22								
GRO C6-C10	189	10.0	mg/kg	200		94.3	76.8-124	3.79	17.2	
DRO >C10-C28	200	10.0	mg/kg	200		100	74.9-127	5.34	18.6	
Total TPH C6-C28	389	10.0	mg/kg	400		97.2	77.5-124	4.58	17.6	
Surrogate: 1-Chlorooctane	49.6		mg/kg	50.0		99.2	45.3-161			
Surrogate: 1-Chlorooctadecane	49.8		mg/kg	50.0		99.5	46.3-178			

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: BIG WALT Project Number: 03B1417054 Project Manager: BEAUX JENNINGS Fax To:	Reported: 08-Sep-22 15:23
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**Petroleum Hydrocarbons by GC FID - Quality Control**

**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 2090620 - General Prep - Organics**

**Blank (2090620-BLK1)** Prepared: 06-Sep-22 Analyzed: 07-Sep-22

GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	39.8		mg/kg	50.0		79.6	45.3-161			
Surrogate: 1-Chlorooctadecane	44.0		mg/kg	50.0		88.0	46.3-178			

**LCS (2090620-BS1)** Prepared: 06-Sep-22 Analyzed: 07-Sep-22

GRO C6-C10	195	10.0	mg/kg	200		97.6	76.8-124			
DRO >C10-C28	167	10.0	mg/kg	200		83.7	74.9-127			
Total TPH C6-C28	363	10.0	mg/kg	400		90.7	77.5-124			
Surrogate: 1-Chlorooctane	46.4		mg/kg	50.0		92.7	45.3-161			
Surrogate: 1-Chlorooctadecane	50.3		mg/kg	50.0		101	46.3-178			

**LCS Dup (2090620-BSD1)** Prepared: 06-Sep-22 Analyzed: 07-Sep-22

GRO C6-C10	191	10.0	mg/kg	200		95.5	76.8-124	2.17	17.2	
DRO >C10-C28	179	10.0	mg/kg	200		89.4	74.9-127	6.53	18.6	
Total TPH C6-C28	370	10.0	mg/kg	400		92.4	77.5-124	1.94	17.6	
Surrogate: 1-Chlorooctane	42.7		mg/kg	50.0		85.4	45.3-161			
Surrogate: 1-Chlorooctadecane	49.9		mg/kg	50.0		99.8	46.3-178			

Cardinal Laboratories

\*=Accredited Analyte

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Notes and Definitions

- BS-3 Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
- 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*

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

BILL TO

ANALYSIS REQUEST

Company Name: Ensolum, LLC  
 Project Manager: 601 N. Marrenfield St. STE 400  
 Address: Midland State: TX Zip: 79701  
 City: Midland  
 Phone #: 432 230 3344 Fax #: 432 230 3344  
 Project #: 0381417054 Project Owner: OXY  
 Project Name: B. & W. Co.  
 Project Location: Eddy Co.  
 Sampler Name: SHANE DICKEY  
 FOR LAB USE ONLY

P.O. #: Company: Oxy USA, Inc.  
 Attn: Wade Dittich  
 Address:  
 State: Zip:  
 Phone #: 575-390-2828  
 Fax #:

Lab I.D.	Sample I.D.	Sample Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX							DATE	TIME	TPH	BTEX	Chlorides
					GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER	ACID/BASE					
HS-1050	FS-92	.25-.5		C								9-2-22	1100	X	X	X
	FS-93	.25-.5		C								9-2-22	1102	X	X	X
	FS-94	.25-.5		C								9-2-22	1104	X	X	X
	FS-95	.25-.5		C								9-2-22	1106	X	X	X
	FS-96	.25-.5		C								9-2-22	1108	X	X	X
	FS-97	.25-.5		C								9-2-22	1110	X	X	X
	FS-98	.25-.5		C								9-2-22	1112	X	X	X
	FS-99	.25-.5		C								9-2-22	1114	X	X	X
	FS-100	.25-.5		C								9-2-22	1116	X	X	X
	FS-101	.25-.5		C								9-2-22	1118	X	X	X

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Relinquished By: [Signature]  
 Date: 9/2/22  
 Time: 1514  
 Received By: [Signature]  
 Date: 9/2/22  
 Time: 1514

Delivered By: (Circle One) Observed Temp. °C: 30.70 Corrected Temp. °C: 30.10  
 Sampler - UPS - Bus - Other: Sample Condition: Cool Intact: Yes [X] No [ ]  
 Checked By: [Signature] (Initials)  
 Turnaround Time: Standard [X] Rush [ ]  
 Bacteria (only) Sample Condition: Cool Intact: Yes [ ] No [ ]  
 Corrected Temp. °C: 0.11

REMARKS: All Results are emailed. Please provide Email address: Bjenning@ensolum.com

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



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 (575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

BILL TO

ANALYSIS REQUEST

Company Name: Ensolum, LLC		P.O. #:										
Project Manager:		Company: Oxy USA, Inc.										
Address: 601 N. Marland St. STE 400		Attn: Wade Dittich										
City: Midland State: TX Zip: 79701		Address:										
Phone #: 432 230 3344 Fax #:		City:										
Project #: 0381417054 Project Owner: OXY		State: Zip:										
Project Name: B.g Wells		Phone #: 575-390-2828										
Project Location: Eddy Co		Fax #:										
Sampler Name: SHANE DICKEY												
FOR LAB USE ONLY												
Lab I.D.	Sample I.D.	Sample Depth (feet) IN	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX	PRESERV	SAMPLING	DATE	TIME	TPH 8015	BTEX 80216	Chlorides 4500
11	FS-102	.25-.5		X	SOIL			9-2-22	1126	X	X	X
12	FS-103	.25-.5		X	SOIL			9-2-22	1122	X	X	X
13	FS-104	.25-.5		X	SOIL			9-2-22	1124	X	X	X
14	FS-105	.25-.5		X	SOIL			9-2-22	1126	X	X	X
15	FS-106	.25-.5		X	SOIL			9-2-22	1128	X	X	X
16	FS-107	.25-.5		X	SOIL			9-2-22	1130	X	X	X
17	FS-108	.25-.5		X	SOIL			9-2-22	1131	X	X	X
18	FS-109	.25-.5		X	SOIL			9-2-22	1132	X	X	X
19	FS-110	.25-.5		X	SOIL			9-2-22	1133	X	X	X
20	FS-111	.25-.5		X	SOIL			9-2-22	1134	X	X	X

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Relinquished By: *Shane Dickey* Date: *9-2-22* Time: *1514*

Received By: *Shane Dickey* Date: *9-2-22* Time: *1514*

Turnaround Time: *Standard*  *Rush*

Thermometer ID #113 *0.102*

Corrected Temp. °C *30.18*

Verbal Result:  Yes  No  Add'l Phone #:

REMARKS: *Blennings@ensolum.com*

Delivered By: (Circle One)  UPS  Bus  Other:

Observed Temp. *30.70* Sample Condition Cool Intact  Yes  No

Corrected Temp. *30.18*  Yes  No

Checked By: *SD* (Initials)

Turnaround Time: *Standard*  *Rush*

Bacteria (only) Sample Condition Cool Intact  Yes  No

Corrected Temp. °C *30.18*



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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

BILL TO

ANALYSIS REQUEST

Company Name: Ensolum, LLC  
 Project Manager: 601 N. Marfield St. STE 400  
 Address: Midland State: TX Zip: 79701  
 City: Midland  
 Phone #: 432 230 3344 Fax #: 432 230 3344  
 Project #: 03B1417054 Project Owner: OXY  
 Project Name: B.g Wells  
 Project Location: Eddy Co  
 Sampler Name: SHANE DICKEY  
 P.O. #: Company: Oxy USA, Inc.  
 Attn: Wade Dittich  
 Address: City: State: Zip: 575-390-2828  
 Phone #: 575-390-2828  
 Fax #:

Lab I.D.	Sample I.D.	Sample Depth feet in	(G)RAB OR (C)OMP.	MATRIX							DATE	TIME	TPH	BTEX	Chlorides	
				# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER						ACID/BASE
HB24053	F5-112	2.25-.5	C									9-2-22	1135	X	X	X
	F5-113	2.25-.5	C									9-2-22	1136	X	X	X
	F5-114	2.25-.5	C									9-2-22	1137	X	X	X
	F5-115	2.25-.5	C									9-2-22	1138	X	X	X
	F5-116	2.25-.5	C									9-2-22	1139	X	X	X
	F5-117	2.25-.5	C									9-2-22	1140	X	X	X
	F5-118	2.25-.5	C									9-2-22	1141	X	X	X
	F5-119	2.25-.5	C									9-2-22	1142	X	X	X
	F5-120	2.25-.5	C									9-2-22	1143	X	X	X
	F5-121	2.25-.5	C									9-2-22	1144	X	X	X

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Relinquished By: [Signature]  
 Date: 9-2-22  
 Time: 1514  
 Received By: [Signature]  
 Date: 9-2-22  
 Time: 1514

Delivered By: (Circle One) Observed Temp: 80.7°C Sample Condition: Cool Intact Yes [X] No [ ]  
 Corrected Temp: 30.16°C

Turnaround Time: Standard [X] Rush [ ]  
 Bacteria (only) Sample Condition: Cool Intact Yes [X] No [ ]  
 Corrected Temp: °C

REMARKS: Verbal Result: Yes [ ] No [X] Add'l Phone #: [ ]  
 All Results are emailed. Please provide Email address: B.earnings@ensolum.com

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

12 of 1



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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

13 of 19

ANALYSIS REQUEST

BILL TO

P.O. #: Company: Oxy USA, Inc.  
Attn: Wade Dittich

Address: State: Zip: Phone #: 575-390-2828  
Fax #:

City: Address: State: Zip: Phone #: 575-390-2828  
Fax #:

City: Address: State: Zip: Phone #: 575-390-2828  
Fax #:

City: Address: State: Zip: Phone #: 575-390-2828  
Fax #:

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City: Address: State: Zip: Phone #: 575-390-2828  
Fax #:

City: Address: State: Zip: Phone #: 575-390-2828  
Fax #:

City: Address: State: Zip: Phone #: 575-390-2828  
Fax #:

Lab I.D.	Sample I.D.	Sample Depth Teeth in	(G)RAB OR (C)OMP.	MATRIX										DATE	TIME	TPH 8015	BTEX 80216	Chlorides 4500	
				# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER	ACID/BASE:	ICE / COOL	OTHER						
4321053	F5-122	.25-.5	C	X											9-2-22	1145	X	X	X
	F5-123	.25-.5	C	X											9-2-22	1146	X	X	X
	F5-124	.25-.5	C	X											9-2-22	1147	X	X	X
	F5-125	.25-.5	C	X											9-2-22	1148	X	X	X
	F5-126	.25-.5	C	X											9-2-22	1149	X	X	X
	F5-127	.25-.5	C	X											9-2-22	1150	X	X	X
	F5-128	.25-.5	C	X											9-2-22	1151	X	X	X
	F5-129	.25-.5	C	X											9-2-22	1152	X	X	X
	F5-130	.25-.5	C	X											9-2-22	1153	X	X	X
	F5-131	.25-.5	C	X											9-2-22	1154	X	X	X

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Relinquished By: *[Signature]* Date: 9-2-22  
 Relinquished By: *[Signature]* Date: 9-2-22  
 Received By: *[Signature]* Date: 9-2-22  
 Received By: *[Signature]* Date: 9-2-22

Delivered By: (Circle One)  UPS  Bus  Other:

Observed Temp: 30.70 Corrected Temp: 30.10  
 Sample Condition:  Cool  Intact  Yes  No

Turnaround Time: Standard  Rush   
 Thermometer ID #113  
 Correction Factor: -0.5°C -0.10°C

Bacteria (only) Sample Condition:  Cool  Intact  Yes  No



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 (575) 393-2326 FAX (575) 393-2476

**CHAIN-OF-CUSTODY AND ANALYSIS REQUEST**

1404

**BILL TO**

**ANALYSIS REQUEST**

Company Name: Ensolum, LLC  
 Project Manager: 601 N. Marnefield St. STE 400  
 Address: Midland State: TX Zip: 79701  
 Phone #: 432 230 3344 Fax #: 79701  
 Project #: 03B1417054 Project Owner: OXY  
 Project Name: B. g Wells  
 Project Location: Eddy Co  
 Sampler Name: SHANIE DICKEY  
 P.O. #: Company: Oxy USA, Inc.  
 Attn: Wade Dittich  
 Address: City: State: Zip:  
 Phone #: 575-390-2828  
 Fax #:

Lab I.D.	Sample I.D.	Sample Depth feet in	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX							DATE	TIME	TPH	BTEX	Chlorides
					GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:					
41	F5-132	.25-.5			X							9-2-22	1155	X	X	X
42	F5-133	.25-.5			X							9-2-22	1156	X	X	X
43	F5-134	.25-.5			X							9-2-22	1157	X	X	X
44	F5-135	.25-.5			X							9-2-22	1158	X	X	X
45	F5-136	.25-.5			X							9-2-22	1159	X	X	X
46	F5-137	.25-.5			X							9-2-22	1200	X	X	X
47	F5-138	.25-.5			X							9-2-22	1201	X	X	X
48	F5-139	.25-.5			X							9-2-22	1202	X	X	X
49	F5-140	.25-.5			X							9-2-22	1202	X	X	X
50	F5-141	.25-.5			X							9-2-22	1202	X	X	X

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Relinquished By: [Signature]  
 Date: 9-2-22  
 Time: 1514  
 Received By: [Signature]  
 Date: 9-2-22  
 Time: 1514

Delivered By: (Circle One)  
 Observed Temp.: 30.7c  
 Corrected Temp.: 30.1c  
 Sample Condition: Cool Intact Yes [X] No [ ]  
 Checked By: [Signature]  
 Turnaround Time: Standard [X] Rush [ ]  
 Thermometer ID #113  
 Correction Factor: 0.5c  
 Bacteria (only) Sample Condition: Cool Intact Yes [ ] No [ ]  
 Corrected Temp. °C

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(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

ANALYSIS REQUEST

BILL TO

P.O. #:

Company: Oxy USA, Inc.

Attn: Wade Dittich

Address:

City:

State: Zip:

Phone #: 575-390-2828

Fax #:

Company Name: Ensolum, LLC

Address: 601 N. Marnefeld St. STE 400

City: Midland State: TX Zip: 79701

Phone #: 432 230 3344 Fax #:

Project #: 0381417054 Project Owner: OXY

Project Name: B.g. Wells

Project Location: Eddy Co

Sampler Name: SHANE DICKEY

FOR LAB USE ONLY

Lab I.D.	Sample I.D.	Sample Depth (feet) IV	(G)RAB OR (C)OMP.	MATRIX						PRESERV			DATE	TIME	TPH 8015	BTEX 80216	Chlorides 4500
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :					
51	FS-142	.25-.5	C										9-2-22	1203	X	X	X
52	FS-143	.25-.5	C										9-2-22	1204	X	X	X
53	FS-144	.25-.5	C										9-2-22	1205	X	X	X
54	FS-145	.25-.5	C										9-2-22	1206	X	X	X
55	FS-146	.25-.5	C										9-2-22	1207	X	X	X
56	FS-147	.25-.5	C										9-2-22	1208	X	X	X
57	FS-148	.25-.5	C										9-2-22	1208	X	X	X
58	FS-149	.25-.5	C										9-2-22	1209	X	X	X
59	FS-150	.25-.5	C										9-2-22	1209	X	X	X
60	FS-151	.25-.5	C										9-2-22	1210	X	X	X

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Relinquished By: [Signature]

Date: 9/2/22

Received By: [Signature]

Verbal Result:  Yes  No  Add'l Phone #:

All Results are emailed. Please provide Email address: Blennings@ensolum.com

Relinquished By: [Signature]

Date: 9/2/22

Received By: [Signature]

Verbal Result:  Yes  No  Add'l Phone #:

All Results are emailed. Please provide Email address: Blennings@ensolum.com

Delivered By: (Circle One)  UPS  Bus  Other: \_\_\_\_\_

Observed Temp: 30.7°C  Corrected Temp: 30.1°C

Sample Condition:  Cool  Intact  Yes  No

Checked By: [Signature]

Turnaround Time: \_\_\_\_\_

Thermometer ID #113  Standard  RUSH

Bacteria (only) Sample Condition:  Cool  Intact  Yes  No

Corrected Temp: 30.1°C

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

15 ac



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

BILL TO

ANALYSIS REQUEST

Company Name: Ensolum, LLC  
 Project Manager: 601 N. Maranfield St. STE 400  
 Address: Midland State: TX Zip: 79701  
 Phone #: 432 230 3344 Fax #: 432 230 3344  
 Project #: 03B1417054 Project Owner: OXY  
 Project Name: B. G. Wells  
 Project Location: Eddy Co  
 Sampler Name: SHANE DICER  
 P.O. #: Company: Oxy USA, Inc.  
 Attn: Wade Dittich  
 Address: State: Zip:  
 City: Address: City: State: Zip:  
 Phone #: 575-390-2828  
 Fax #:

Lab I.D.	Sample I.D.	Sample Depth feet IN	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX							DATE	TIME	TPH	BTEX	Chlorides
					GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER	ACID/BASE:					
1034059	FS-152	1.25-.5		1	X							9-2-22	1211	X	X	X
103	FS-153	1.25-.5		1	X							9-2-22	1213	X	X	X
103	FS-154	1.25-.5		1	X							9-2-22	1214	X	X	X
104	FS-155	1.25-.5		1	X							9-2-22	1215	X	X	X
105	FS-156	1.25-.5		1	X							9-2-22	1216	X	X	X
106	FS-157	1.25-.5		1	X							9-2-22	1217	X	X	X
107	FS-158	1.25-.5		1	X							9-2-22	1218	X	X	X
108	FS-159	1.25-.5		1	X							9-2-22	1219	X	X	X
109	FS-160	1.25-.5		1	X							9-2-22	1220	X	X	X
110	FS-161	1.25-.5		1	X							9-2-22	1220	X	X	X

PLEASE NOTE: Locality and Damages. Cardinal's liability and clients exclusive remedy for any claims arising whether based in contract or tort, shall be limited to the amount paid by the client for the analysis. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates 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 provisions or otherwise.

Relinquished By: [Signature]  
 Date: 1/11/23  
 Time: 1514  
 Received By: [Signature]  
 Date: 1/11/23  
 Time: 1514  
 Verbal Result:  Yes  No  Add'l Phone #:  
 All Results are emailed. Please provide Email address:  
 B.earnings@ensolum.com  
 REMARKS:

Delivered By: (Circle One)  
 Sampler - UPS - Bus - Other:  
 Observed Temp. °C: 30.70  
 Corrected Temp. °C: 30.10  
 Sample Condition: Cool Intact  Yes  No  
 Checked By: [Signature]  
 Turnaround Time: Standard  Rush   
 Thermometer ID #113  
 Corrected Temp. °C: 30.10  
 Bacteria (only) Sample Condition: Cool Intact  Yes  No  
 Corrected Temp. °C:

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

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: <b>Ensolun, LLC</b>		<b>BILL TO</b>		<b>ANALYSIS REQUEST</b>	
Project Manager: <b>Beauv Services</b>		P.O. #:			
Address: <b>601 N. Warrenton St. Suite 400</b>		Company: <b>OKY USA, inc</b>			
City: <b>W. Idland</b> State: <b>Tx</b> zip: <b>79701</b>		Attn: <b>Wade Dittich</b>			
Phone #: <b>432-230-3344</b> Fax #:		Address:			
Project #: <b>0381417054</b> Project Owner:		City:			
Project Name: <b>Big Wolf</b>		State:			
Project Location: <b>Eddy County</b>		Phone #:			
Sampler Name: <b>Shane Diller</b>		Fax #:			
FOR LAB USE ONLY		PRESERV:		SAMPLING	
Lab I.D.		Depth (in)		(G)RAB OR (C)OMP.	
<b>H924053</b>				# CONTAINERS	
				GROUNDWATER	
				WASTEWATER	
				SOIL	
				OIL	
				SLUDGE	
				OTHER :	
				ACID/BASE:	
				ICE / COOL	
				OTHER :	
		DATE		TIME	
FS-61		9/2/22		9:51	
FS-162		9/2/22		12:21	
FS-163		9/2/22		12:22	
FS-164		9/2/22		12:23	
FS-165		9/2/22		12:24	
N/E		9/2/22		sam	
				TPH 8015	
				BTEX 8021 b	
				Chlorides 4500	

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Relinquished By: *[Signature]* Date: **9/2/22** Time: **1514** Received By: *[Signature]* Date: **9/2/22** Time: **1514**

Delivered By: (Circle One) Observed Temp. °C: **30.70** Corrected Temp. °C: **30.10** Sample Condition:  Cool  Intact  Yes  No  Yes  No CHECKED BY: *[Signature]* (Initials)

Sampler - UPS - Bus - Other: Thermometer ID #113 Correction Factor: **0.10°C** Standard  Rush  Bacteria (only)  Cool  Intact  Yes  No  Yes  No Sample Condition: Observed Temp. °C: Corrected Temp. °C:

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



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October 04, 2022

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

RE: BIG WALT

Enclosed are the results of analyses for samples received by the laboratory on 09/29/22 15:13.

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/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

Cardinal Laboratories is accredited 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.

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,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, prominent initial "C".

Celey D. Keene  
Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

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

Received:	09/29/2022	Sampling Date:	09/29/2022
Reported:	10/04/2022	Sampling Type:	Soil
Project Name:	BIG WALT	Sampling Condition:	Cool & Intact
Project Number:	03B1417054	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - EDDY, CO.		

**Sample ID: FS - 4 1' (H224540-01)**

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	10/01/2022	ND	207	104	200	0.378	
DRO >C10-C28*	<10.0	10.0	10/01/2022	ND	211	106	200	0.437	
EXT DRO >C28-C36	<10.0	10.0	10/01/2022	ND					
<hr/>									
Surrogate: 1-Chlorooctane	101 %	45.3-161							
Surrogate: 1-Chlorooctadecane	117 %	46.3-178							

**Sample ID: FS - 5 1' (H224540-02)**

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	10/01/2022	ND	207	104	200	0.378	
DRO >C10-C28*	<10.0	10.0	10/01/2022	ND	211	106	200	0.437	
EXT DRO >C28-C36	<10.0	10.0	10/01/2022	ND					
<hr/>									
Surrogate: 1-Chlorooctane	100 %	45.3-161							
Surrogate: 1-Chlorooctadecane	116 %	46.3-178							

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	09/29/2022	Sampling Date:	09/29/2022
Reported:	10/04/2022	Sampling Type:	Soil
Project Name:	BIG WALT	Sampling Condition:	Cool & Intact
Project Number:	03B1417054	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - EDDY, CO.		

**Sample ID: FS - 6 1' (H224540-03)**

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	10/01/2022	ND	207	104	200	0.378	
DRO >C10-C28*	<10.0	10.0	10/01/2022	ND	211	106	200	0.437	
EXT DRO >C28-C36	<10.0	10.0	10/01/2022	ND					
<hr/>									
Surrogate: 1-Chlorooctane	104 %	45.3-161							
Surrogate: 1-Chlorooctadecane	123 %	46.3-178							

**Sample ID: FS - 7 1' (H224540-04)**

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	10/01/2022	ND	207	104	200	0.378	
DRO >C10-C28*	<10.0	10.0	10/01/2022	ND	211	106	200	0.437	
EXT DRO >C28-C36	<10.0	10.0	10/01/2022	ND					
<hr/>									
Surrogate: 1-Chlorooctane	81.6 %	45.3-161							
Surrogate: 1-Chlorooctadecane	98.4 %	46.3-178							

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	09/29/2022	Sampling Date:	09/29/2022
Reported:	10/04/2022	Sampling Type:	Soil
Project Name:	BIG WALT	Sampling Condition:	Cool & Intact
Project Number:	03B1417054	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - EDDY, CO.		

**Sample ID: FS - 9 2' (H224540-05)**

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	10/01/2022	ND	207	104	200	0.378	
DRO >C10-C28*	<10.0	10.0	10/01/2022	ND	211	106	200	0.437	
EXT DRO >C28-C36	<10.0	10.0	10/01/2022	ND					
<hr/>									
Surrogate: 1-Chlorooctane	106 %	45.3-161							
Surrogate: 1-Chlorooctadecane	122 %	46.3-178							

**Sample ID: FS - 10 1' (H224540-06)**

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	10/01/2022	ND	207	104	200	0.378	
DRO >C10-C28*	<10.0	10.0	10/01/2022	ND	211	106	200	0.437	
EXT DRO >C28-C36	<10.0	10.0	10/01/2022	ND					
<hr/>									
Surrogate: 1-Chlorooctane	101 %	45.3-161							
Surrogate: 1-Chlorooctadecane	117 %	46.3-178							

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	09/29/2022	Sampling Date:	09/29/2022
Reported:	10/04/2022	Sampling Type:	Soil
Project Name:	BIG WALT	Sampling Condition:	Cool & Intact
Project Number:	03B1417054	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - EDDY, CO.		

**Sample ID: FS - 33 1' (H224540-07)**

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	10/01/2022	ND	207	104	200	0.378	
DRO >C10-C28*	<10.0	10.0	10/01/2022	ND	211	106	200	0.437	
EXT DRO >C28-C36	<10.0	10.0	10/01/2022	ND					
<hr/>									
Surrogate: 1-Chlorooctane	89.5 %	45.3-161							
Surrogate: 1-Chlorooctadecane	103 %	46.3-178							

**Sample ID: FS - 34 3' (H224540-08)**

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	10/01/2022	ND	207	104	200	0.378	
DRO >C10-C28*	<10.0	10.0	10/01/2022	ND	211	106	200	0.437	
EXT DRO >C28-C36	<10.0	10.0	10/01/2022	ND					
<hr/>									
Surrogate: 1-Chlorooctane	105 %	45.3-161							
Surrogate: 1-Chlorooctadecane	124 %	46.3-178							

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	09/29/2022	Sampling Date:	09/29/2022
Reported:	10/04/2022	Sampling Type:	Soil
Project Name:	BIG WALT	Sampling Condition:	Cool & Intact
Project Number:	03B1417054	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - EDDY, CO.		

**Sample ID: FS - 75 3' (H224540-09)**

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	10/01/2022	ND	207	104	200	0.378	
DRO >C10-C28*	<10.0	10.0	10/01/2022	ND	211	106	200	0.437	
EXT DRO >C28-C36	<10.0	10.0	10/01/2022	ND					
<hr/>									
Surrogate: 1-Chlorooctane	129 %	45.3-161							
Surrogate: 1-Chlorooctadecane	152 %	46.3-178							

**Sample ID: FS - 82 3' (H224540-10)**

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	10/01/2022	ND	207	104	200	0.378	
DRO >C10-C28*	<10.0	10.0	10/01/2022	ND	211	106	200	0.437	
EXT DRO >C28-C36	<10.0	10.0	10/01/2022	ND					
<hr/>									
Surrogate: 1-Chlorooctane	137 %	45.3-161							
Surrogate: 1-Chlorooctadecane	160 %	46.3-178							

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 09/29/2022  
 Reported: 10/04/2022  
 Project Name: BIG WALT  
 Project Number: 03B1417054  
 Project Location: OXY - EDDY, CO.

Sampling Date: 09/29/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FS - 86 4' (H224540-11)**

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	10/01/2022	ND	207	104	200	0.378	
<b>DRO &gt;C10-C28*</b>	<b>70.3</b>	10.0	10/01/2022	ND	211	106	200	0.437	
<b>EXT DRO &gt;C28-C36</b>	<b>16.5</b>	10.0	10/01/2022	ND					

Surrogate: 1-Chlorooctane 141 % 45.3-161  
 Surrogate: 1-Chlorooctadecane 171 % 46.3-178

**Sample ID: FS - 98 6' (H224540-12)**

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	10/01/2022	ND	207	104	200	0.378	
DRO >C10-C28*	<10.0	10.0	10/01/2022	ND	211	106	200	0.437	
EXT DRO >C28-C36	<10.0	10.0	10/01/2022	ND					

Surrogate: 1-Chlorooctane 141 % 45.3-161  
 Surrogate: 1-Chlorooctadecane 166 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 09/29/2022  
 Reported: 10/04/2022  
 Project Name: BIG WALT  
 Project Number: 03B1417054  
 Project Location: OXY - EDDY, CO.

Sampling Date: 09/29/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FS - 102 6' (H224540-13)**

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	10/01/2022	ND	207	104	200	0.378	
DRO >C10-C28*	<10.0	10.0	10/01/2022	ND	211	106	200	0.437	
EXT DRO >C28-C36	<10.0	10.0	10/01/2022	ND					
<hr/>									
Surrogate: 1-Chlorooctane	136 %	45.3-161							
Surrogate: 1-Chlorooctadecane	160 %	46.3-178							

**Sample ID: FS - 131 7' (H224540-14)**

TPH 8015M	mg/kg	Analyzed By: MS								S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	10/01/2022	ND	207	104	200	0.378		
<b>DRO &gt;C10-C28*</b>	<b>104</b>	10.0	10/01/2022	ND	211	106	200	0.437		
<b>EXT DRO &gt;C28-C36</b>	<b>34.8</b>	10.0	10/01/2022	ND						
<hr/>										
Surrogate: 1-Chlorooctane	139 %	45.3-161								
Surrogate: 1-Chlorooctadecane	182 %	46.3-178								

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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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.
- 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

Cardinal Laboratories

\*=Accredited Analyte

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*Celey D. Keene*

Celey D. Keene, Lab Director/Quality Manager



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

**CHAIN-OF-CUSTODY AND ANALYSIS REQUEST**

**BILL TO**

**ANALYSIS REQUEST**

Company Name: <u>Enselum, LLC</u>		P.O. #:	
Project Manager: <u>Beaver Jennings</u>		Company: <u>Oxy USA, Inc</u>	
Address: <u>601 N Westfield St Suite 400</u>		Attn: <u>Wade Dittich</u>	
City: <u>Midland</u> State: <u>TX</u> Zip: <u>79701</u>		Address:	
Phone #: <u>432 230 3344</u> Fax #:		City:	
Project #: <u>03B1417054</u> Project Owner: <u>Oxy</u>		State: Zip:	
Project Name: <u>Big West</u>		Phone #: <u>575-390-2828</u>	
Project Location: <u>Eddy County</u>		Fax #:	
Sampler Name: <u>Samatha Haskize</u>		PRESERV:	
FOR LAB USE ONLY		SAMPLING	

Lab I.D.	Sample I.D.	Depth	(G)RAB OR (C)OMP.		MATRIX							DATE	TIME	TPH	8015 M	UFE	9/29/22	Sam	
			# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL								OTHER :
<u>H2245-40</u>	<u>FS-4</u>	<u>1'</u>	<u>C</u>	<u>1</u>	<u>X</u>								<u>9/29/22</u>	<u>1111</u>	<u>X</u>				
	<u>FS-5</u>	<u>1'</u>	<u>C</u>	<u>1</u>	<u>X</u>								<u>9/29/22</u>	<u>1116</u>	<u>X</u>				
	<u>FS-6</u>	<u>1'</u>	<u>C</u>	<u>1</u>	<u>X</u>								<u>9/29/22</u>	<u>1120</u>	<u>X</u>				
	<u>FS-2</u>	<u>1'</u>	<u>C</u>	<u>1</u>	<u>X</u>								<u>9/29/22</u>	<u>1128</u>	<u>X</u>				
	<u>FS-9</u>	<u>2'</u>	<u>C</u>	<u>1</u>	<u>X</u>								<u>9/29/22</u>	<u>1130</u>	<u>X</u>				
	<u>FS-10</u>	<u>1'</u>	<u>C</u>	<u>1</u>	<u>X</u>								<u>9/29/22</u>	<u>1132</u>	<u>X</u>				
	<u>FS-35</u>	<u>1'</u>	<u>C</u>	<u>1</u>	<u>X</u>								<u>9/29/22</u>	<u>1138</u>	<u>X</u>				
	<u>FS-34</u>	<u>3'</u>	<u>C</u>	<u>1</u>	<u>X</u>								<u>9/29/22</u>	<u>1150</u>	<u>X</u>				
	<u>FS-75</u>	<u>3'</u>	<u>C</u>	<u>1</u>	<u>X</u>								<u>9/29/22</u>	<u>1202</u>	<u>X</u>				
	<u>FS-82</u>	<u>3'</u>	<u>C</u>	<u>1</u>	<u>X</u>								<u>9/29/22</u>	<u>1204</u>	<u>X</u>				

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Relinquished By: [Signature]

Received By: [Signature]

Date: 9/29/22 Time: 153

Observed Temp. °C: 0.0c Corrected Temp. °C: 0.0c

Sample Condition:  Intact  Cool  Yes  No

Checked By: [Signature]

Turnaround Time:  Standard  Rush

Bacteria (only)  Sample Condition  Cool  Intact  Yes  No

Thermometer ID #113 Correction Factor -0.5°C

Delivered By: (Circle One)  UPS  Bus  Other:

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



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

**CHAIN-OF-CUSTODY AND ANALYSIS REQUEST**

Company Name: <u>Ensolium, LLC</u> Project Manager: <u>Bruce Bennett</u> Address: <u>601 N. Mansfield St Suite 400</u> City: <u>N. Hobbs</u> State: <u>Tx</u> Zip: <u>79901</u> Phone #: <u>432 230 3344</u> Fax #: _____ Project #: <u>03B14170511</u> Project Owner: <u>OKY</u> Project Name: <u>Bg Wash</u> Project Location: <u>Eddy County</u> Sampler Name: <u>Samuel Martinez</u>		P.O. #: _____ Company: <u>OKY USA, inc</u> Attn: <u>Wade D. Hirsch</u> Address: _____ City: _____ State: _____ Zip: _____ Phone #: <u>575-390-2828</u> Fax #: _____	
Delivered By: (Circle One) Sampler - UPS - Bus - Other: _____		Observed Temp. °C: <u>D.10:</u> Corrected Temp. °C: <u>0.00</u>	
Relinquished By: <u>[Signature]</u> Date: <u>9/29/22</u> Time: <u>1513</u>		Received By: <u>[Signature]</u> Date: _____ Time: _____	
Turnaround Time: _____ Thermometer ID #113 Correction Factor -0.5°C		Standard <input checked="" type="checkbox"/> <b>Rush</b> Bacteria (only) <input type="checkbox"/> Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Sample Condition Observed Temp. °C Corrected Temp. °C	

Lab I.D.	Sample I.D.	Depth	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	ANALYSIS REQUEST
					GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :			
<u>H224540</u>	<u>FS-86</u>	<u>4'</u>	<u>C 1</u>	<u>1</u>	<u>X</u>					<u>9/29/22</u>	<u>1220</u>	<u>TPH</u>	
	<u>FS-98</u>	<u>6'</u>	<u>C 1</u>	<u>1</u>	<u>X</u>					<u>9/29/22</u>	<u>1225</u>		
	<u>FS-102</u>	<u>6'</u>	<u>C 1</u>	<u>1</u>	<u>X</u>					<u>9/29/22</u>	<u>1230</u>		
	<u>FS-131</u>	<u>7'</u>	<u>C 1</u>	<u>1</u>	<u>X</u>					<u>9/29/22</u>	<u>1236</u>		
	<u>NFE</u>	<u>9/29/22</u>	<u>Sam</u>										



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October 27, 2022

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

RE: BIG WALT

Enclosed are the results of analyses for samples received by the laboratory on 10/21/22 14:00.

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/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

Cardinal Laboratories is accredited 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.

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,

A handwritten signature in black ink that reads "Celey D. Keene".

Celey D. Keene  
Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

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

Received:	10/21/2022	Sampling Date:	10/21/2022
Reported:	10/27/2022	Sampling Type:	Soil
Project Name:	BIG WALT	Sampling Condition:	Cool & Intact
Project Number:	03B1417054	Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY, CO.		

**Sample ID: SW - 86 0'-4' (H224967-01)**

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	10/27/2022	ND	229	114	200	3.79	
DRO >C10-C28*	<10.0	10.0	10/27/2022	ND	220	110	200	13.5	
EXT DRO >C28-C36	<10.0	10.0	10/27/2022	ND					
<i>Surrogate: 1-Chlorooctane</i>		<i>83.3 %</i>	<i>45.3-161</i>						
<i>Surrogate: 1-Chlorooctadecane</i>		<i>96.0 %</i>	<i>46.3-178</i>						

**Sample ID: SW - 98 0'-6' (H224967-02)**

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	10/27/2022	ND	229	114	200	3.79	
DRO >C10-C28*	<10.0	10.0	10/27/2022	ND	220	110	200	13.5	
EXT DRO >C28-C36	<10.0	10.0	10/27/2022	ND					
<i>Surrogate: 1-Chlorooctane</i>		<i>71.0 %</i>	<i>45.3-161</i>						
<i>Surrogate: 1-Chlorooctadecane</i>		<i>84.0 %</i>	<i>46.3-178</i>						

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	10/21/2022	Sampling Date:	10/21/2022
Reported:	10/27/2022	Sampling Type:	Soil
Project Name:	BIG WALT	Sampling Condition:	Cool & Intact
Project Number:	03B1417054	Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY, CO.		

**Sample ID: SW - 102 0'-6' (H224967-03)**

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	10/27/2022	ND	229	114	200	3.79	
DRO >C10-C28*	<10.0	10.0	10/27/2022	ND	220	110	200	13.5	
EXT DRO >C28-C36	<10.0	10.0	10/27/2022	ND					
<i>Surrogate: 1-Chlorooctane</i>		<i>66.2 %</i>	<i>45.3-161</i>						
<i>Surrogate: 1-Chlorooctadecane</i>		<i>77.6 %</i>	<i>46.3-178</i>						

**Sample ID: SW - 131 0'-9' (H224967-04)**

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	10/27/2022	ND	229	114	200	3.79	
DRO >C10-C28*	<10.0	10.0	10/27/2022	ND	220	110	200	13.5	
EXT DRO >C28-C36	<10.0	10.0	10/27/2022	ND					
<i>Surrogate: 1-Chlorooctane</i>		<i>72.6 %</i>	<i>45.3-161</i>						
<i>Surrogate: 1-Chlorooctadecane</i>		<i>85.8 %</i>	<i>46.3-178</i>						

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	10/21/2022	Sampling Date:	10/21/2022
Reported:	10/27/2022	Sampling Type:	Soil
Project Name:	BIG WALT	Sampling Condition:	Cool & Intact
Project Number:	03B1417054	Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY, CO.		

**Sample ID: FS - 131 9' (H224967-05)**

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	10/27/2022	ND	229	114	200	3.79	
DRO >C10-C28*	<10.0	10.0	10/27/2022	ND	220	110	200	13.5	
EXT DRO >C28-C36	<10.0	10.0	10/27/2022	ND					
<hr/>									
Surrogate: 1-Chlorooctane	78.2 %	45.3-161							
Surrogate: 1-Chlorooctadecane	91.5 %	46.3-178							

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Notes and Definitions

- 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*

Celey D. Keene, Lab Director/Quality Manager





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APPENDIX F

C-141

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

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

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

Incident ID	nAB1528834107
District RP	2RP-3334
Facility ID	
Application ID	

## Release Notification

### Responsible Party

Responsible Party: Oxy USA Inc.	OGRID: 16696
Contact Name: Wade Dittrich	Contact Telephone: 575-390-2828
Contact email: wade_dittrich@oxy.com	Incident # nAB1528834107
Contact mailing address: PO Box 4294, Houston, TX 77210	

### Location of Release Source

Latitude 32.42281 Longitude -104.46063  
*(NAD 83 in decimal degrees to 5 decimal places)*

Site Name: Big Walt 2 State #002	Site Type: Tank Battery
Date Release Discovered: 09/17/2008	API# 30-015-33315

Unit Letter	Section	Township	Range	County
H	2	22S	24E	Eddy

Surface Owner:  State  Federal  Tribal  Private (Name: \_\_\_\_\_)

### Nature and Volume of Release

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

<input type="checkbox"/> Crude Oil	Volume Released (bbls):	Volume Recovered (bbls):
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls): 90-100	Volume Recovered (bbls): 0
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release: Overpressure in the line caused the line to bust releasing fluid into the pasture, across the road, continued down the road.

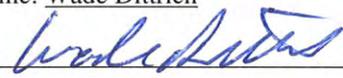
State of New Mexico  
Oil Conservation Division

Incident ID	nAB1528834107
District RP	2RP-3334
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC?  <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If YES, for what reason(s) does the responsible party consider this a major release? Release is greater than 25 barrels.
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? Yes, Kelton Beard (Oxy) on 09/17/2008 at 1600.	

### Initial Response

*The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury*

<input checked="" type="checkbox"/> The source of the release has been stopped. <input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.	
If all the actions described above have <u>not</u> been undertaken, explain why:	
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.	
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.	
Printed Name: <u>Wade Dittrich</u>	Title: <u>Environmental Specialist</u>
Signature: <u></u>	Date: <u>1-14-23</u>
email: <u>wade_dittrich@oxy.com</u>	Telephone: <u>575-390-2828</u>
<b><u>OCD Only</u></b>	
Received by: _____	Date: _____

Incident ID	nAB1528834107
District RP	2RP-3334
Facility ID	
Application ID	

### Site Assessment/Characterization

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?	N/A (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas <b>not</b> on an exploration, development, production, or storage site?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.

**Characterization Report Checklist:** Each of the following items must be included in the report.

- Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- Field data
- Data table of soil contaminant concentration data
- Depth to water determination
- Determination of water sources and significant watercourses within 1/2-mile of the lateral extents of the release
- Boring or excavation logs
- Photographs including date and GIS information
- Topographic/Aerial maps
- Laboratory data including chain of custody

If the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation plan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan and methods, anticipated timelines for beginning and completing the remediation. The closure criteria for a release are contained in Table 19.15.29.12 NMAC, however, use of the table is modified by site- and release-specific parameters.

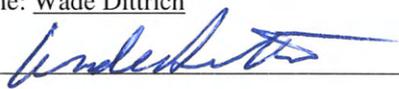
State of New Mexico  
Oil Conservation Division

Incident ID	nAB1528834107
District RP	2RP-3334
Facility ID	
Application ID	

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.

Printed Name: Wade Dittrich

Title: Environmental Specialist

Signature: 

Date: 1-4-23

email: wade\_dittrich@oxy.com

Telephone: 575-390-2828

**OCD Only**

Received by: Jocelyn Harimon

Date: 01/11/2023

Incident ID	nAB1528834107
District RP	2RP-3334
Facility ID	
Application ID	

### Closure

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

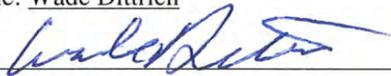
**Closure Report Attachment Checklist:** *Each of the following items must be included in the closure report.*

- A scaled site and sampling diagram as described in 19.15.29.11 NMAC
- Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)
- Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
- Description of remediation activities

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

Printed Name: Wade Dittrich

Title: Environmental Specialist

Signature: 

Date: 1-4-23

email: wade\_dittrich@oxy.com

Telephone: 575-390-2828

**OCD Only**

Jocelyn Harimon

01/11/2023

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

Date: \_\_\_\_\_

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

Closure Approved by: \_\_\_\_\_ Date: \_\_\_\_\_

Printed Name: \_\_\_\_\_

Title: \_\_\_\_\_

**District I**  
 1625 N. French Dr., Hobbs, NM 88240  
 Phone:(575) 393-6161 Fax:(575) 393-0720  
**District II**  
 811 S. First St., Artesia, NM 88210  
 Phone:(575) 748-1283 Fax:(575) 748-9720  
**District III**  
 1000 Rio Brazos Rd., Aztec, NM 87410  
 Phone:(505) 334-6178 Fax:(505) 334-6170  
**District IV**  
 1220 S. St Francis Dr., Santa Fe, NM 87505  
 Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 175166

**CONDITIONS**

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 175166
	Action Type: [C-141] Release Corrective Action (C-141)

**CONDITIONS**

Created By	Condition	Condition Date
rhamlet	We have received your closure report and final C-141 for Incident #NAB1528834107 BIG WALT 2 STATE #008, thank you. This closure is approved.	4/14/2023