

State of New Mexico
Oil Conservation Division

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.

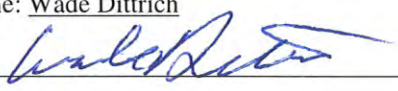
Closure Report Attachment Checklist: *Each of the following items must be included in the closure report.*

- ☒ 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



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:


Beaux Jennings
Senior Project Manager

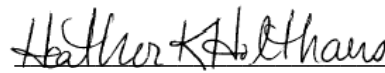

Heather Holthaus
Senior Project Manager



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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

Operator:	Oxy USA Inc. (Oxy)
Site Name:	2RP-3334 - 9.17.08 (Big Walt 2 State #008)
Location:	32. 422360° N, 104. 461126° W Eddy County, New Mexico
Property:	State Land Office (SLO)
Regulatory:	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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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-Cl 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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- 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.

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January 11, 2023



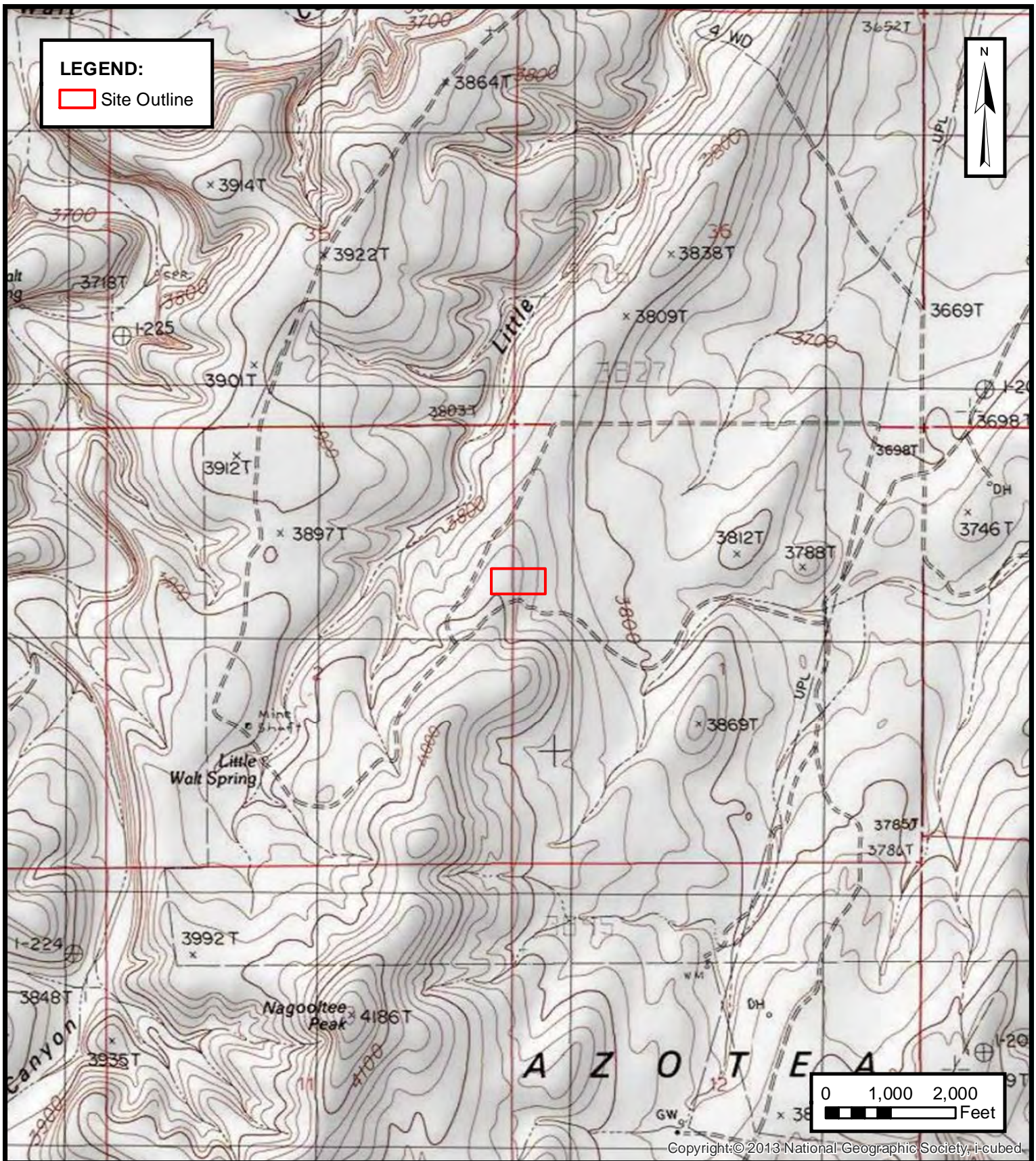
9.3 Reliance

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



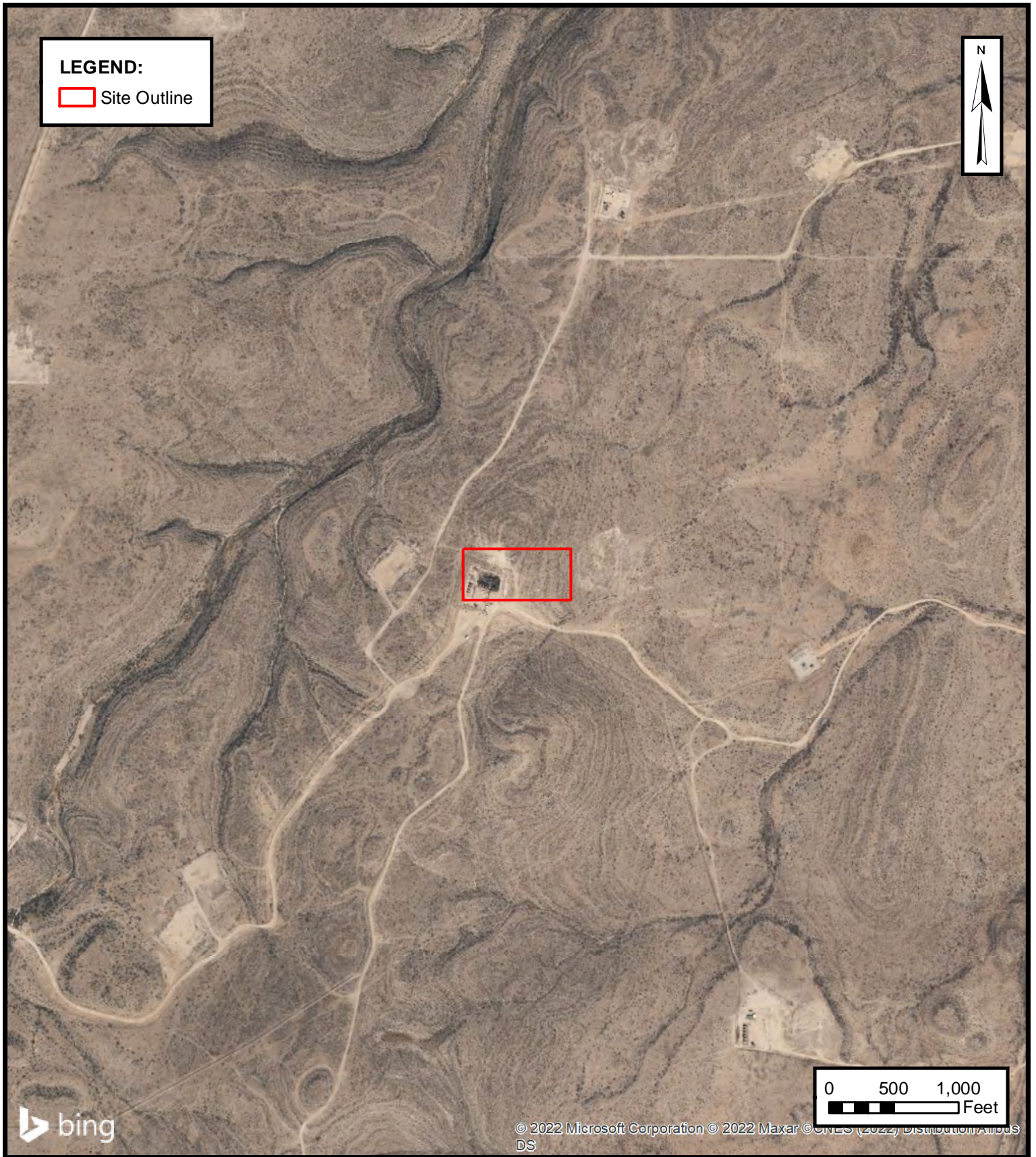
TOPOGRAPHIC MAP

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



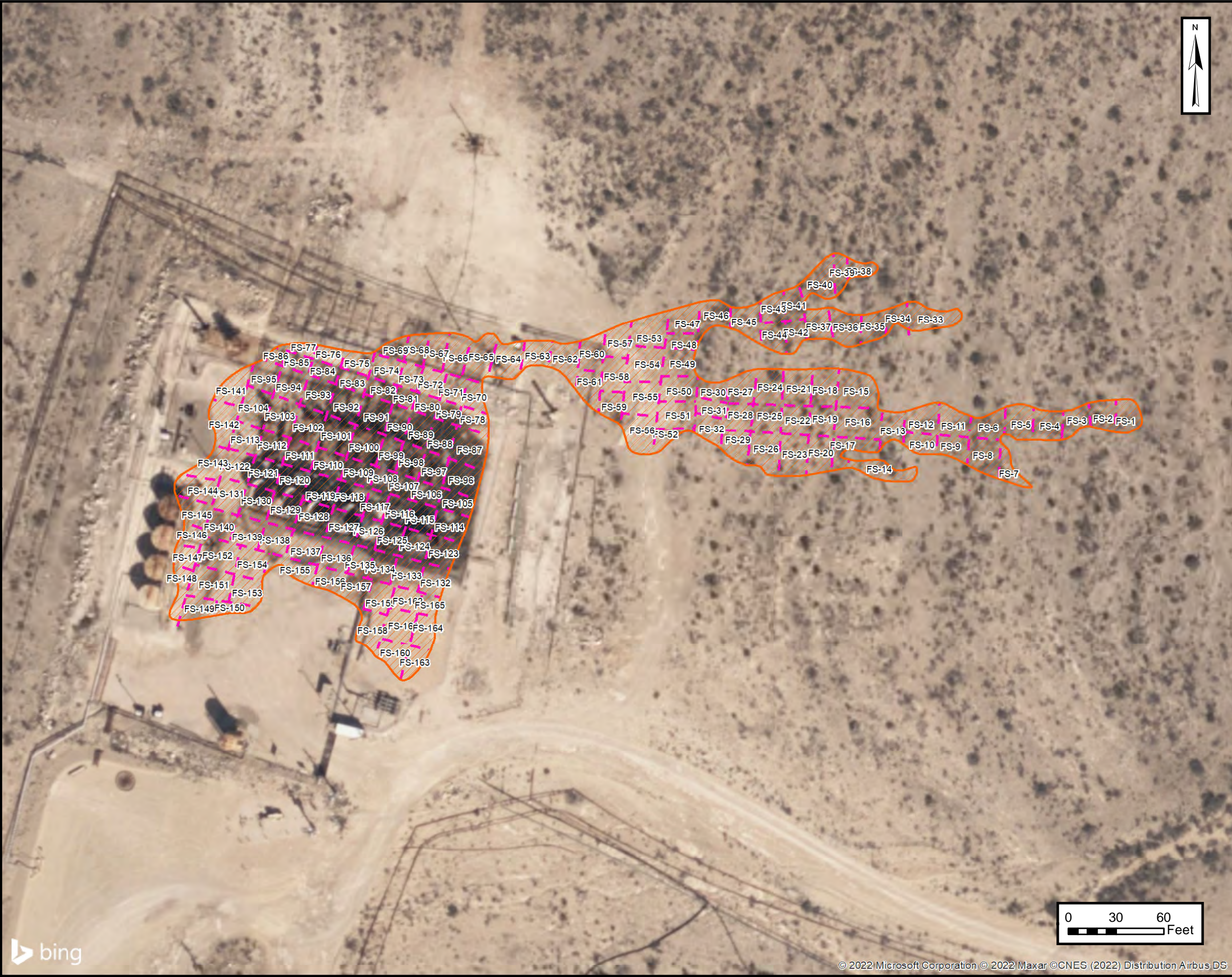
SITE VICINITY MAP

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



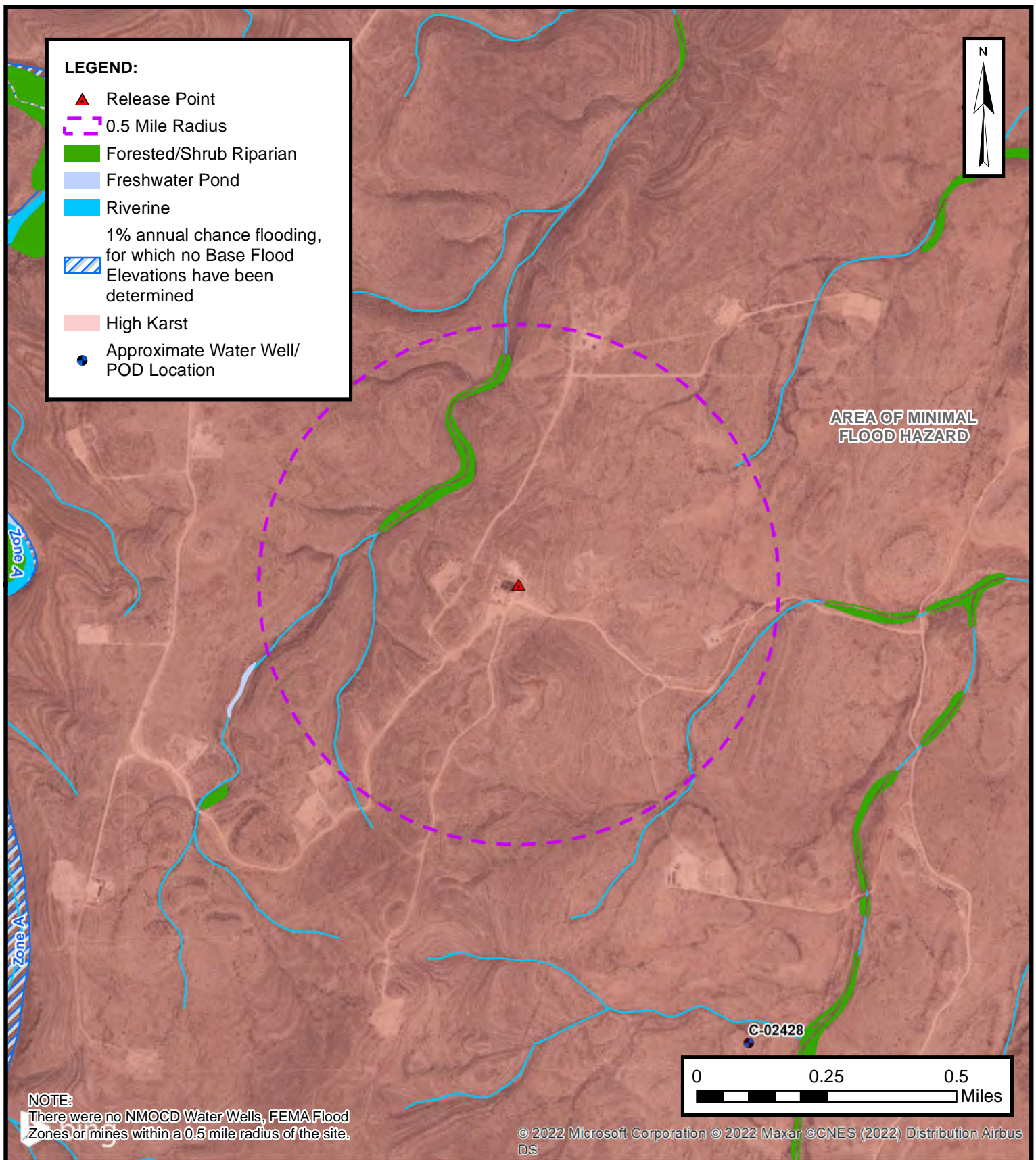
SITE MAP

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



APPENDIX B

Supporting Documentation

National Flood Hazard Layer FIRMMette



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
GENERAL STRUCTURES		Area of Undetermined Flood Hazard <i>Zone D</i>
		Channel, Culvert, or Storm Sewer
OTHER FEATURES		Levee, Dike, or Floodwall
		20.2 Cross Sections with 1% Annual Chance Water Surface Elevation
		17.5 Cross Sections with 1% Annual Chance Water Surface Elevation
		Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
		Jurisdiction Boundary
MAP PANELS		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.

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

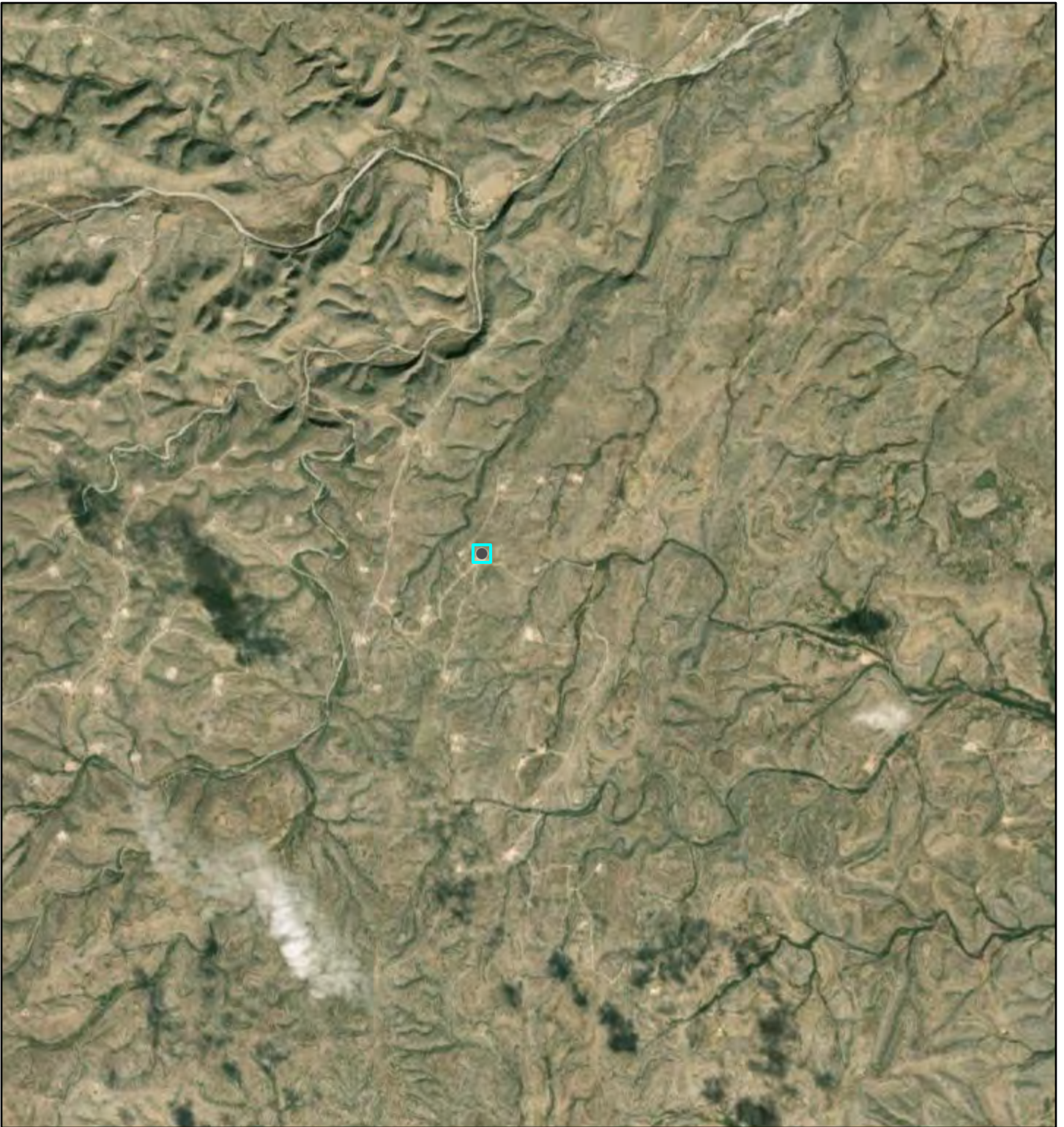
- Feature 1
- Feature 2
- Feature 3
- Feature 4
- High
- Low
- Medium

Big Walt CTB 32.42281, -104.46063



300 ft

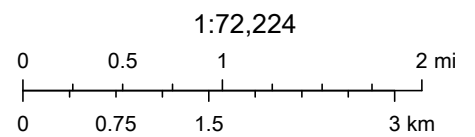
Active Mines in New Mexico



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

Registered Mines

✕ Aggregate, Stone etc.



Esri, HERE, Garmin, Earthstar Geographics

OSE POD Locations Map



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

- OSE District Boundary
- New Mexico State Trust Lands
- Both Estates
- SiteBoundaries

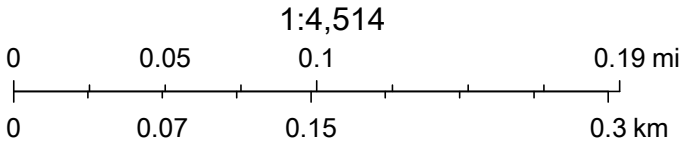
Sample Locations

- Well
- Abandoned Well
- Oil, Gas Well
- Abandoned Oil, Gas Well

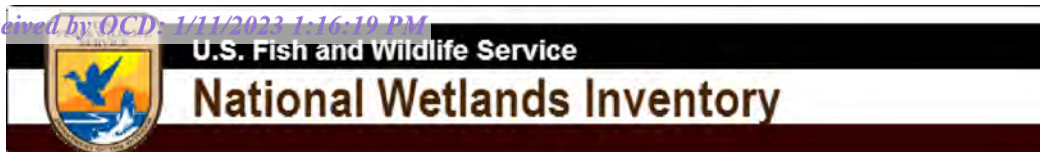
- Surface
- Surface/Sediment
- Sediment
- Precipitation Gauge
- Abandoned Precipitation Gauge

- Air Particulate
- Abandoned Air Particulate
- Treatment System
- Abandoned Treatment System
- PLSSSecondDivision

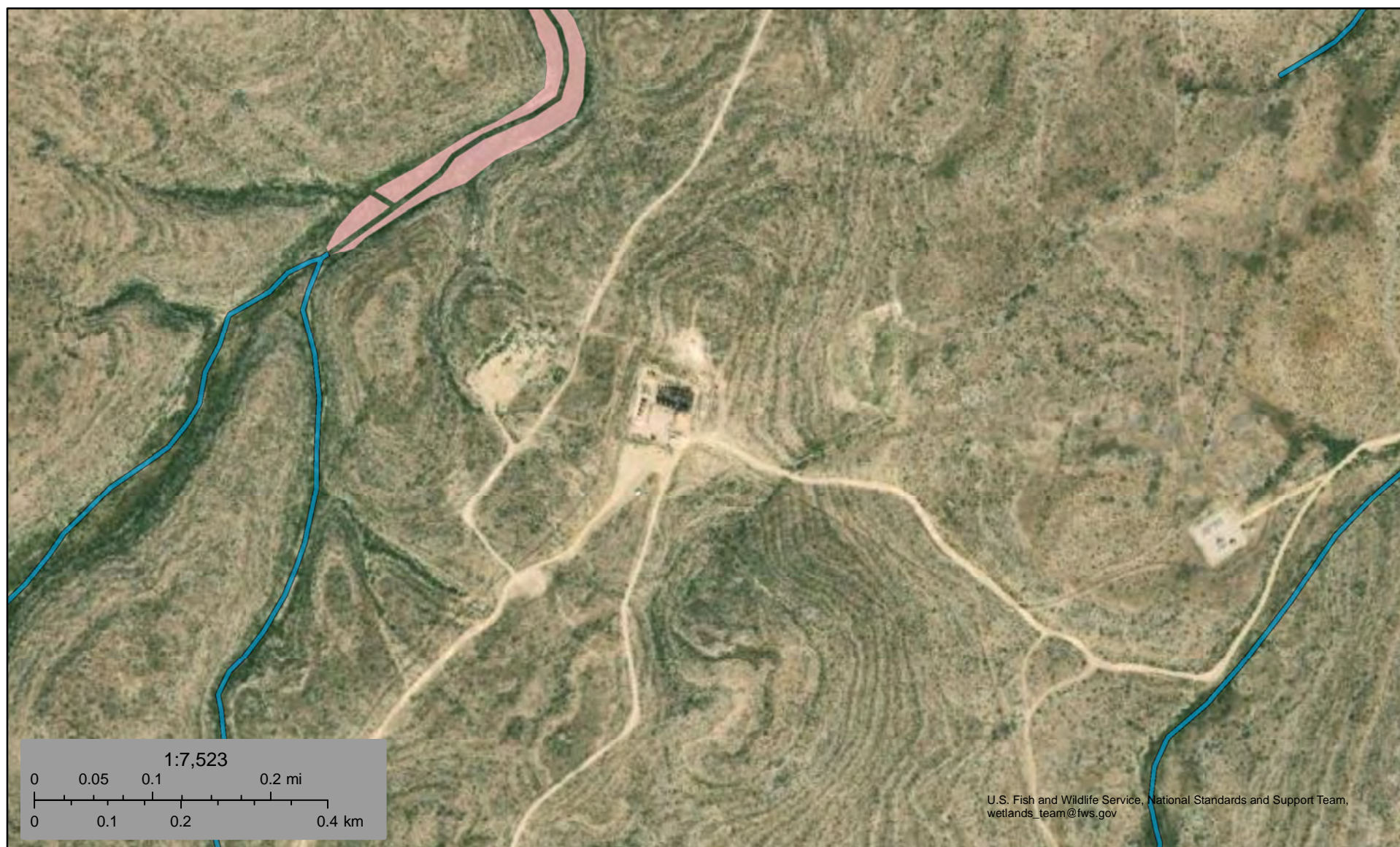
- PLSSFirstDivision
- PLSSTownship
- BLM Land Grant
- Sections



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
- Estuarine and Marine Wetland

- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond

- Lake
- Other
- 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 2nd 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 29th 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 13th 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
<http://www.emnrd.nm.gov>



From: Beaux Jennings <bjennings@ensolum.com>
Sent: Wednesday, October 19, 2022 7:55 AM
To: Enviro, OCD, EMNRD <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 21st 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 

SEP 26 2008

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 OIS 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:

Printed Name: Kelton Beaird

Title: HES Specialist

E-mail Address: kelton_beaird@oxy.com

Date: 9-18-08

OIL CONSERVATION DIVISION

Approved by District Supervisor:

Approval Date: 10/15/15

Expiration Date: N/A

Conditions of Approval:

Attached ☐

Remediation per O.C.D. Rules & Guidelines
SUBMIT REMEDIATION PROPOSAL NO
LATER THAN: 11/15/15

2RP-3334

* Attach Additional Sheets If Necessary

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>

To <mike.bratcher@state.nm.us>, <terry_gregston@nm.blm.gov>, "Sergio Contreras" <scontreras@sesi-nm.com>, "Susana Rodriguez" <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; '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.

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

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

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 Beaird
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

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.

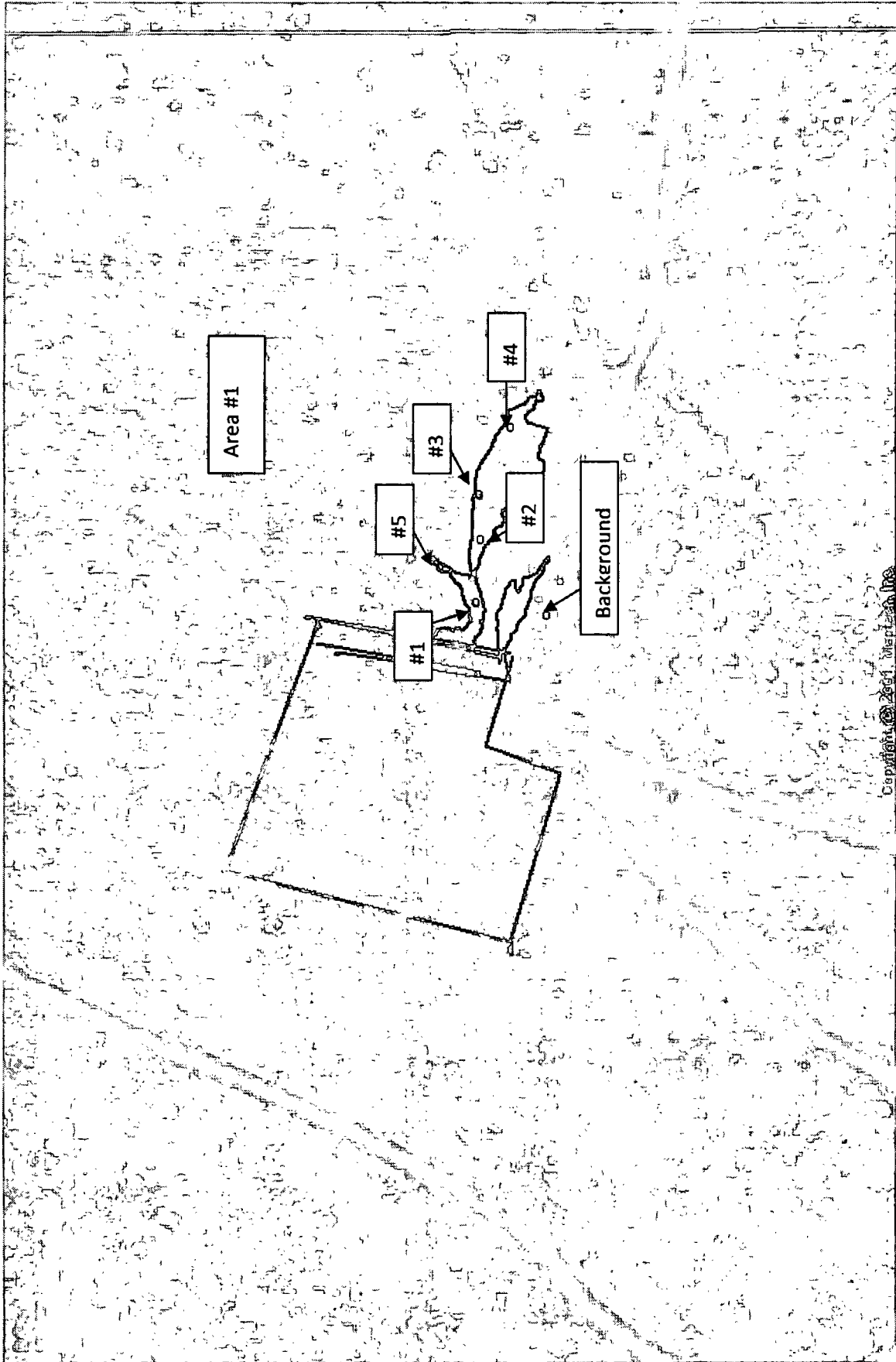
Oxy McKittrick Central Tank Battery

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.

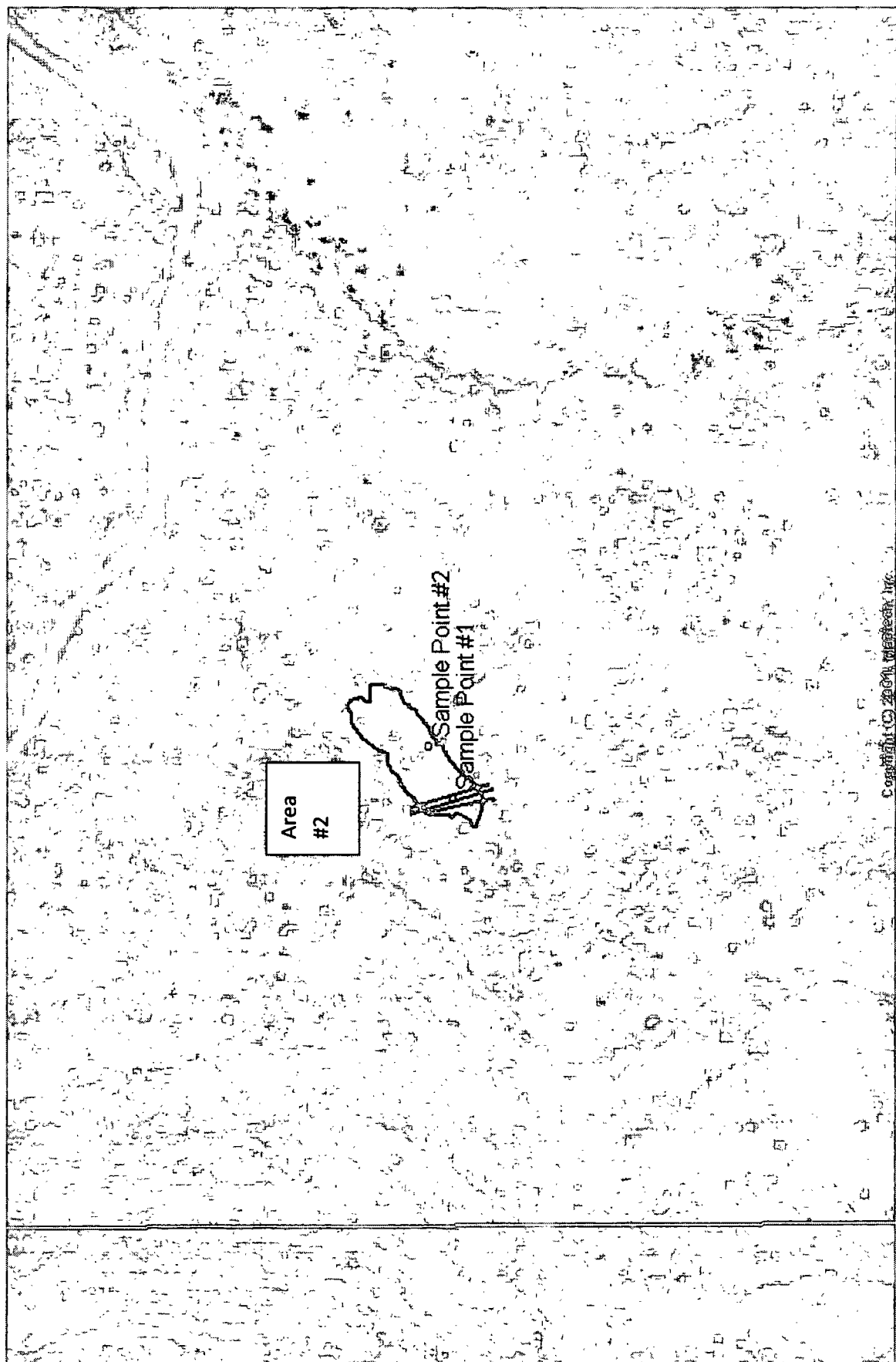
If you would please reply. Thank you,

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

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



Big Wail 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

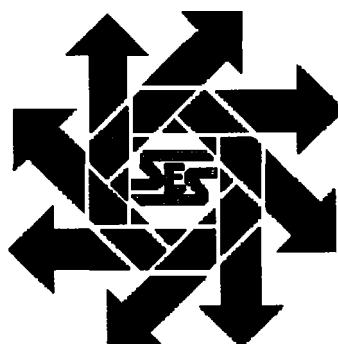
Sample point	Chlorides	Benzene	Toluene	Ethyl Benzene	Xyolene	TPH
#1	96	ND	ND	ND	ND	970
#2	350	ND	ND	ND	ND	22,000
#3	22	ND	ND	ND	ND	4,900
#4	130	ND	ND	ND	ND	31,000
SP #1 Area 2	450	ND	ND	ND	ND	27,000
SP #2 Area 2	280	ND	ND	ND	ND	25

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

MAY - 7 2009

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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Big Walt Battery/Closure Report
May 6, 2009

Oxy USA Corporation
Eddy County, New Mexico

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:

Big Walt Battery/Closure Report
May 6, 2009

Oxy USA Corporation
Eddy County, New Mexico

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

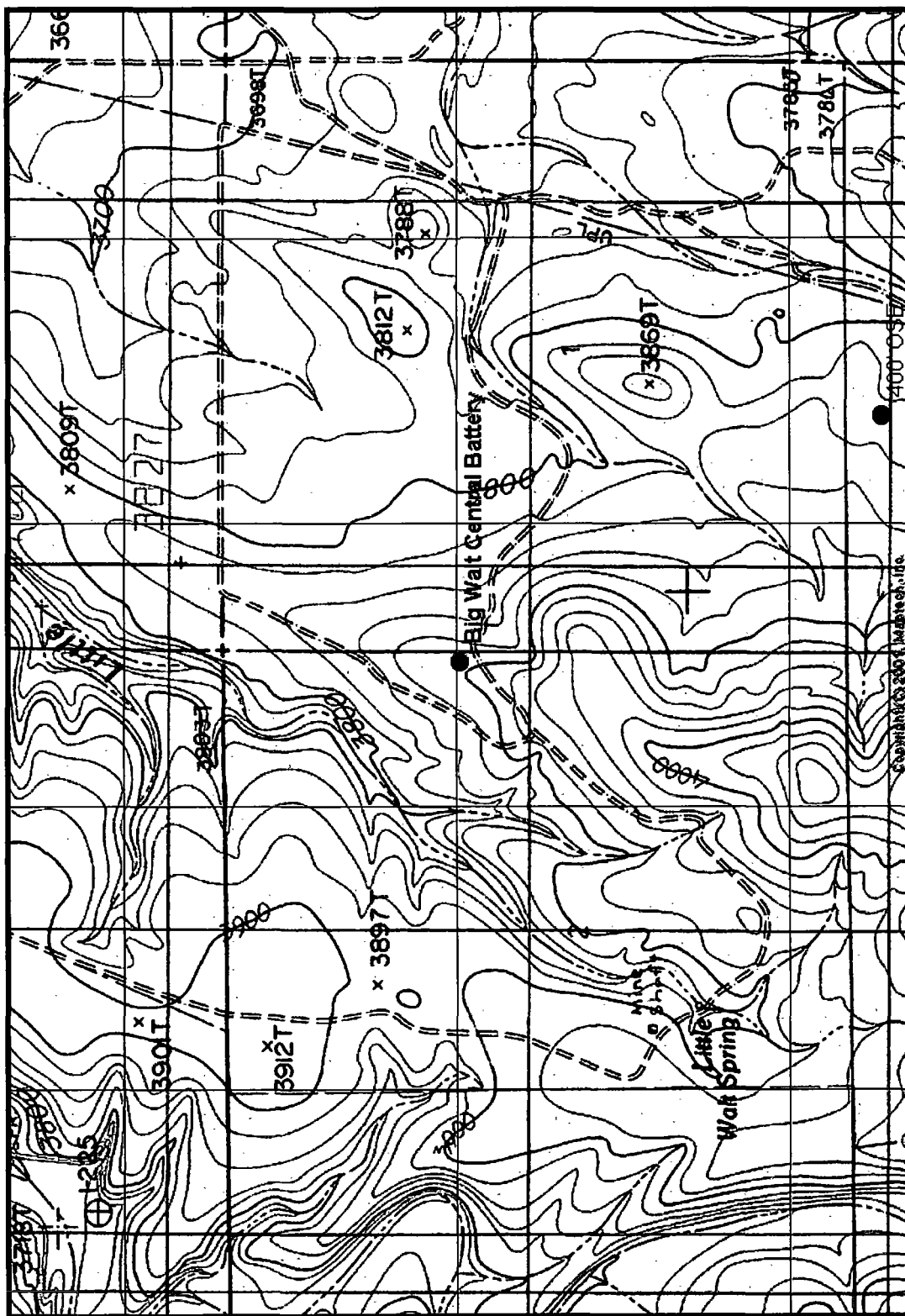
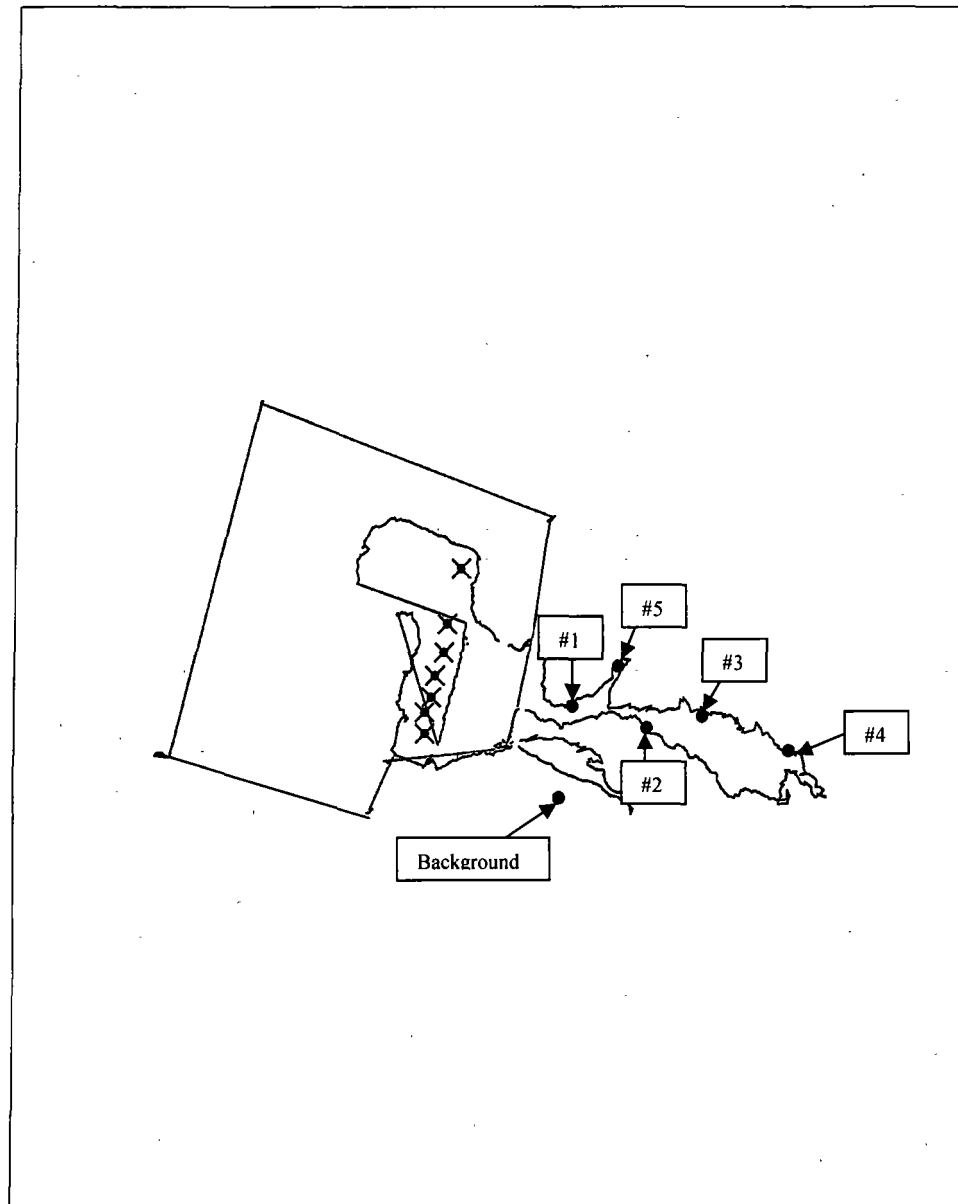


Figure 2 Site Plan



Big Walt Battery

Lat/Long
WGS 1984



Scale 1:2,000
0 250.0
Feet

Multiple Files
10/11/2007
GPS Pathfinder[®] Office


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 Labs

2126 W. Marland Ave Hobbs, NM 88240

(505)397-0295 (505)397-0296 info@argonlabs.com

CHAIN OF CUSTODY**1060**

Project No: 07-015 Project Title: Dry Big Unit Battery Location: Carlsbad, nm		Client: 3EST Address: 703 E Clinton Contact: Hobbs, nm 88240 Phone: (505) 397-7050 Fax: (505) 397-4388		Client: Same Address:		Bill To:	
Sampler's Name: (print) Isaac Kincaid		Sampler's Signature: 		Client: Same Address:		Bill To:	
TURN AROUND TIME RUSH <input type="checkbox"/> 24 Hour <input type="checkbox"/> 48 Hour <input type="checkbox"/> other <input type="checkbox"/>		Standard (5 days) <input checked="" type="checkbox"/>		ANALYSIS			
Sample ID. #1 #2 #3 #4 #5 Background	Date 10/08/07 10/08/07 10/08/07 10/08/07 10/08/07 10/08/07	Time 1045 1050 1055 1100 1105 1100	# Containers 1 1 1 1 1 1	Matrix Soil Soil Soil Soil Soil Soil	Chloride BTEX TPH 418.1	COMMENTS	
Relinquished By: 		Date: 10/08/07 Time: 1635		Received By: Janet Ellison		Date: 10/18/07 Time: 16:35	
Relinquished By: 		Date: Time:		Received By:		Date: Time:	
Relinquished By: 		Date: Time:		Received By:		Date: Time:	
SPECIAL INSTRUCTIONS:							

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

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

Page 1 of 9

argon laboratories

Safety & Environmental Solutions, Inc.

Project Number: Oxy-07-015

703 E. Clinton Ave

Project Name: Oxy Big Walt Battery

Hobbs, NM 88240

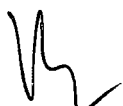
Project Manager: Bob Allen

Work Order No.:

B710006

Anions by Ion Chromatography - EPA Method 300.0

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


 QC Officer Approval

Argon Laboratories, Inc.

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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

BTEX EPA Method 8021B

Analyte	Result	Reporting Limit	Units	Dilution	Analyzed	Method	Notes
# 1 (B710006-01) Soil Sampled: 10/08/07 10:45 Received: 10/08/07 16:35							D-1
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 %			"	"	
# 2 (B710006-02) Soil Sampled: 10/08/07 10:50 Received: 10/08/07 16:35							D-1
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 %			"	"	
# 3 (B710006-03) Soil Sampled: 10/08/07 10:55 Received: 10/08/07 16:35							D-1
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 %			"	"	
# 4 (B710006-04) Soil Sampled: 10/08/07 11:00 Received: 10/08/07 16:35							D-1
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.

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
# 5 (B710006-05) Soil Sampled: 10/08/07 11:05 Received: 10/08/07 16:35							
D-1							
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 %			"	"	

Background (B710006-06) Soil Sampled: 10/08/07 11:00 Received: 10/08/07 16:35

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

Hobbs, NM 88240


Project Manager: Bob Allen

Work Order No.:

B710006

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

Analyte	Result	Reporting Limit	Units	Dilution	Analyzed	Method	Notes
# 1 (B710006-01) Soil Sampled: 10/08/07 10:45 Received: 10/08/07 16:35							
Total Petroleum Hydrocarbons	75000	10	mg/kg	1	10/12/07	EPA 418.1	
# 2 (B710006-02) Soil Sampled: 10/08/07 10:50 Received: 10/08/07 16:35							
Total Petroleum Hydrocarbons	51000	10	mg/kg	1	10/12/07	EPA 418.1	
# 3 (B710006-03) Soil Sampled: 10/08/07 10:55 Received: 10/08/07 16:35							
Total Petroleum Hydrocarbons	48000	10	mg/kg	1	10/12/07	EPA 418.1	
# 4 (B710006-04) Soil Sampled: 10/08/07 11:00 Received: 10/08/07 16:35							
Total Petroleum Hydrocarbons	28000	10	mg/kg	1	10/12/07	EPA 418.1	
# 5 (B710006-05) Soil Sampled: 10/08/07 11:05 Received: 10/08/07 16:35							
Total Petroleum Hydrocarbons	87000	10	mg/kg	1	10/12/07	EPA 418.1	
Background (B710006-06) Soil Sampled: 10/08/07 11:00 Received: 10/08/07 16:35							
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-BS1)

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			
--------------	-------	--	-------	--------	--	----	--------	--	--	--

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.

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

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-BS1)

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

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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

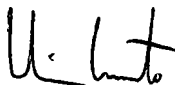
Enclosed are the results for sample(s) received on 10/29/08 15:00 by Argon Laboratories. The sample(s) were analyzed according to instructions in accompanying chain-of-custody. Results are summarized on the following pages.

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

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



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Argon Labs

2126 W. Marland Ave Hobbs, NM 88240

(505)397-0295 (505)397-0296 info@argonlabs.com

CHAIN OF CUSTODY**1169**

Project No: OKY-9705 Project Title: OKY Big West Battery Location: Carlsbad, NM		Client: SESA Address: 703 E Clinton Hobbs, NM 88240 Contact: (575)397-0510 Fax:		Client: Same Address:		Bill To:		SPECIAL INSTRUCTIONS:	
Sampler's Name: Isaac Kincard (print)		Sampler's Signature: 		ANALYSIS		COMMENTS			
RUSH <input type="checkbox"/> 24 Hour <input type="checkbox"/> 48 Hour <input type="checkbox"/> other <input type="checkbox"/>		Standard (5 days) <input checked="" type="checkbox"/>		BTEX TPH 418.1 CI-					
Sample ID.	Date	Time	# Containers	Matrix					
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	Received By: Ken Gellman	Date: 10-29-08	Time: 1500	SPECIAL INSTRUCTIONS:
Relinquished By:				Date:	Time:	Received By:	Date:	Time:	
Relinquished 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: RE Matrix: Water ☐ Soil ☒

Sample Carrier: Client ☐ Laboratory ☒ Fed Ex ☐ UPS ☐ Other ☐

Argon Labs Project Number: C810007

Shipper Container in good condition? Yes ☒ No ☐ Samples received in proper containers? Yes ☒ No ☐

N/A ☐ 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
SP #1 Area 2 (C810007-01) Soil Sampled: 10/03/08 11:10 Received: 10/29/08 15:00							
Chloride	450	40	mg/kg	4	11/05/08	EPA 300.0	
SP #2 Area 2 (C810007-02) Soil Sampled: 10/03/08 11:15 Received: 10/29/08 15:00							
Chloride	280	20	mg/kg	2	11/05/08	EPA 300.0	
#1 Surface (C810007-03) Soil Sampled: 10/27/08 11:05 Received: 10/29/08 15:00							
Chloride	96	10	mg/kg	1	11/05/08	EPA 300.0	
#2 Surface (C810007-04) Soil Sampled: 10/27/08 11:10 Received: 10/29/08 15:00							
Chloride	350	40	mg/kg	4	11/05/08	EPA 300.0	
#3 Surface (C810007-05) Soil Sampled: 10/27/08 11:15 Received: 10/29/08 15:00							
Chloride	22	10	mg/kg	1	11/05/08	EPA 300.0	
#4 Surface (C810007-06) Soil 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
SP #1 Area 2 (C810007-01) Soil Sampled: 10/03/08 11:10 Received: 10/29/08 15:00							
D-1							
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 %			"	"	

SP #2 Area 2 (C810007-02) Soil 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 %			"	"	

#1 Surface (C810007-03) Soil Sampled: 10/27/08 11:05 Received: 10/29/08 15:00
D-1

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 %			"	"	

#2 Surface (C810007-04) Soil Sampled: 10/27/08 11:10 Received: 10/29/08 15:00
D-1

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.

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

C810007

BTEX EPA Method 8021B

Analyte	Result	Reporting Limit	Units	Dilution	Analyzed	Method	Notes
#3 Surface (C810007-05) Soil Sampled: 10/27/08 11:15 Received: 10/29/08 15:00							D-1
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 %			"	"	

#4 Surface (C810007-06) Soil Sampled: 10/27/08 11:20 Received: 10/29/08 15:00							D-1
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 %			"	"	


 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

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

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

C810007

ANALYSIS REPORT - Quality Control

Argon Laboratories

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

Batch CR00157 - General Prep

Blank (CR00157-BLK1)

Prepared & Analyzed: 11/05/08

Chloride ND 10 mg/kg

LCS (CR00157-BS1)

Prepared & Analyzed: 11/05/08

Chloride 4.50 mg/kg 5.00 90

LCS Dup (CR00157-BSD1)

Prepared & Analyzed: 11/05/08

Chloride 4.65 mg/kg 5.00 93 3

Matrix Spike (CR00157-MS1)


Prepared & Analyzed: 11/05/08

Chloride 4.25 mg/kg 5.00 85

Matrix Spike Dup (CR00157-MSD1)

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

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	"					

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.

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.

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

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

Blank (CR00158-BLK1)

Prepared & Analyzed: 11/05/08

Total Petroleum Hydrocarbons ND 20 mg/kg

LCS (CR00158-BS1)

Prepared & Analyzed: 11/05/08

Total Petroleum Hydrocarbons 117 mg/kg 100 117

LCS Dup (CR00158-BS1)

Prepared & Analyzed: 11/05/08

Total Petroleum Hydrocarbons 114 mg/kg 100 114 3

Matrix Spike (CR00158-MS1)


Prepared & Analyzed: 11/05/08

Total Petroleum Hydrocarbons 103 mg/kg 100 103

Matrix Spike Dup (CR00158-MSD1)

Prepared & Analyzed: 11/05/08

Total Petroleum Hydrocarbons 107 mg/kg 100 107 4


 QC Officer Approval

Argon Laboratories, Inc.

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Page 8 of 9

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.:

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

Page 9 of 9

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

CUSTODY

1123

C806012

Project No. OXY-07-015 Project Title Oxy BigWalt Battery Location Indian Basin Sampler's Name Brian Cueller Date		SESI 703 E. Clinton Hobbs, NM 88240 Phone 575-397-0510 Fax Bill To		ANALYSIS TPH 418 BTEX C-		COMMENTS -01 -02 -03 -04
Sampler's Signature 		Clear Address				
Rush 24 Hour 18 Hour other		Standard 15 days X				
Sample ID Date Time		# Containers				
#1. Surface 6-18-08 1130 #2. Surface 6-18-08 1140 #3. Surface 6-18-08 1150 #4. Surface 6-18-08 1200		1 1 1 1 Soil Soil Soil Soil				
Sample ID Date Time		# Containers		COMMENTS		
Brian Cueller 6-18-08 1530		1		6-18-08 1530		
Sample ID Date Time		# Containers		COMMENTS		
Brian Cueller 6-18-08 1530		1		6-18-08 1530		

ANM C06-2606

Argon Laboratories Sample Receipt Checklist

Client Name: <u>Safety & Environmental Solutions, Inc.</u>		Date & Time Received: <u>06/18/08</u> <u>15:30</u>	
Project Name: <u>Oxy Big Walt Battery</u>		Client Project Number: <u>OXY-07-015</u>	
Received By: <u>J.E.</u>	Matrix: Water <input type="checkbox"/> Soil <input checked="" type="checkbox"/> Sludge <input type="checkbox"/>		
Sample Carrier: Client <input type="checkbox"/> Laboratory <input checked="" type="checkbox"/> Fed Ex <input type="checkbox"/> UPS <input type="checkbox"/> Other <input type="checkbox"/>			
Argon Labs Project Number: <u>C806012</u>			
Shipper Container in good condition?		Samples received in proper containers? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
N/A <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Samples received intact? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		
Samples received under refrigeration? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Sufficient sample volume for requested tests? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
Chain of custody present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Samples received within holding time? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
Chain of Custody signed by all parties? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Do samples contain proper preservative?	
		N/A <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/>	
Chain of Custody matches all sample labels?		Do VOA vials contain zero headspace?	
Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		(None submitted <input checked="" type="checkbox"/>) Yes <input type="checkbox"/> No <input type="checkbox"/>	

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:





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

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.:

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
#1 Surface (C806012-01) Soil Sampled: 06/18/08 11:30 Received: 06/18/08 15:30							
Chloride	74	10	mg/kg	1	06/26/08	EPA 300.0	
#2 Surface (C806012-02) Soil Sampled: 06/18/08 11:40 Received: 06/18/08 15:30							
Chloride	100	10	mg/kg	1	06/26/08	EPA 300.0	
#3 Surface (C806012-03) Soil Sampled: 06/18/08 11:50 Received: 06/18/08 15:30							
Chloride	260	20	mg/kg	2	06/26/08	EPA 300.0	
#4 Surface (C806012-04) Soil 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

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

Analyte	Result	Reporting Limit	Units	Dilution	Analyzed	Method	Notes
#1 Surface (C806012-01) Soil Sampled: 06/18/08 11:30 Received: 06/18/08 15:30							
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 %			"	"	
#2 Surface (C806012-02) Soil Sampled: 06/18/08 11:40 Received: 06/18/08 15:30							
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 %			"	"	
#3 Surface (C806012-03) Soil Sampled: 06/18/08 11:50 Received: 06/18/08 15:30							
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 %			"	"	
#4 Surface (C806012-04) Soil Sampled: 06/18/08 12:00 Received: 06/18/08 15:30							
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

argon laboratories

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

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.:

C806012

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

Analyte	Result	Reporting Limit	Units	Dilution	Analyzed	Method	Notes
#1 Surface (C806012-01) Soil 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	
#2 Surface (C806012-02) Soil 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	
#3 Surface (C806012-03) Soil 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	
#4 Surface (C806012-04) Soil 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

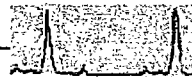
Project Number: Oxy-07-015

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

Blank (CR00096-BLK1)

Prepared & Analyzed: 06/26/08

Chloride ND 10 mg/kg

LCS (CR00096-BS1)

Prepared & Analyzed: 06/26/08

Chloride 5.00 mg/kg 5.00 100

LCS Dup (CR00096-BSD1)

Prepared & Analyzed: 06/26/08

Chloride 5.55 mg/kg 5.00 111 10

Matrix Spike (CR00096-MS1)

Prepared & Analyzed: 06/26/08

Chloride 4.85 mg/kg 5.00 97

Matrix Spike Dup (CR00096-MSD1)

Prepared & Analyzed: 06/26/08

Chloride 4.95 mg/kg 5.00 99 2

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

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: <i>a,a,a</i> -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

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

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



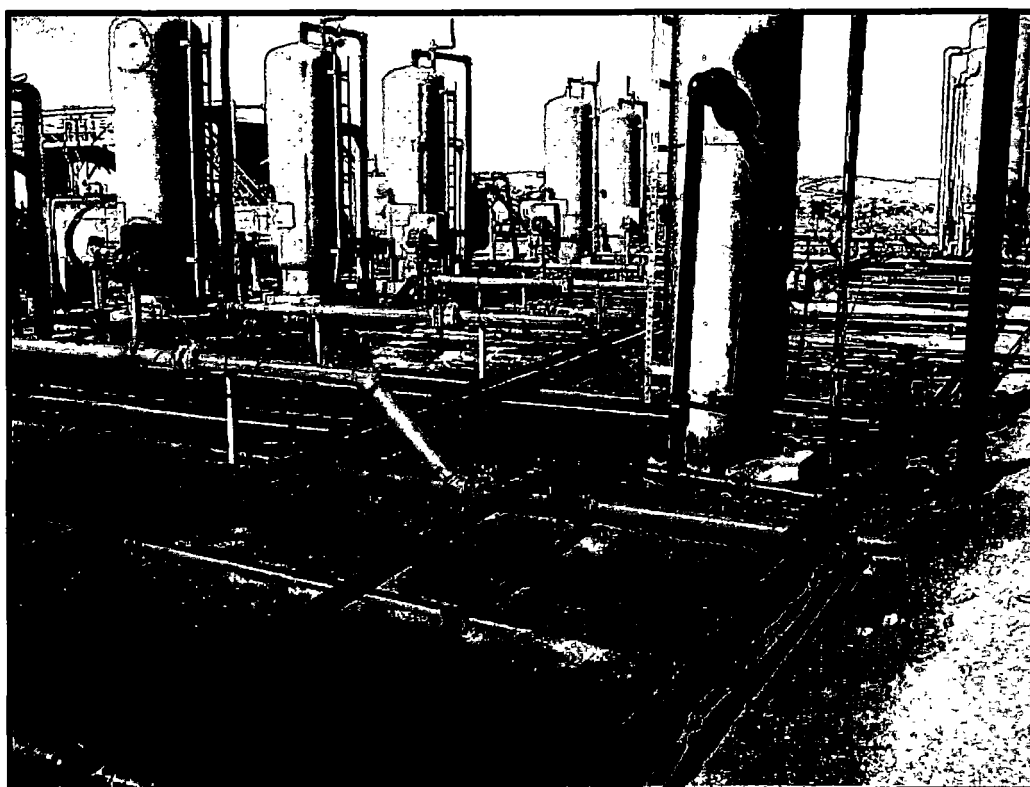
Inside fenced area below berm facing south



Berm facing south



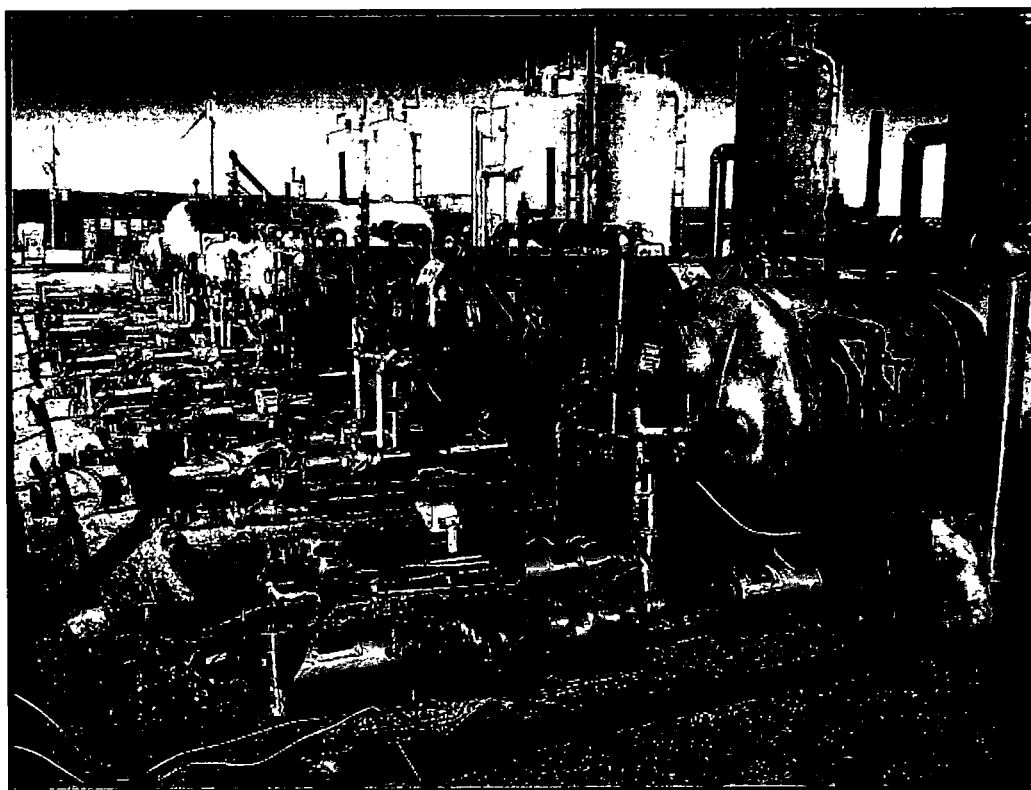
Seperators facing south



Seperators facing south



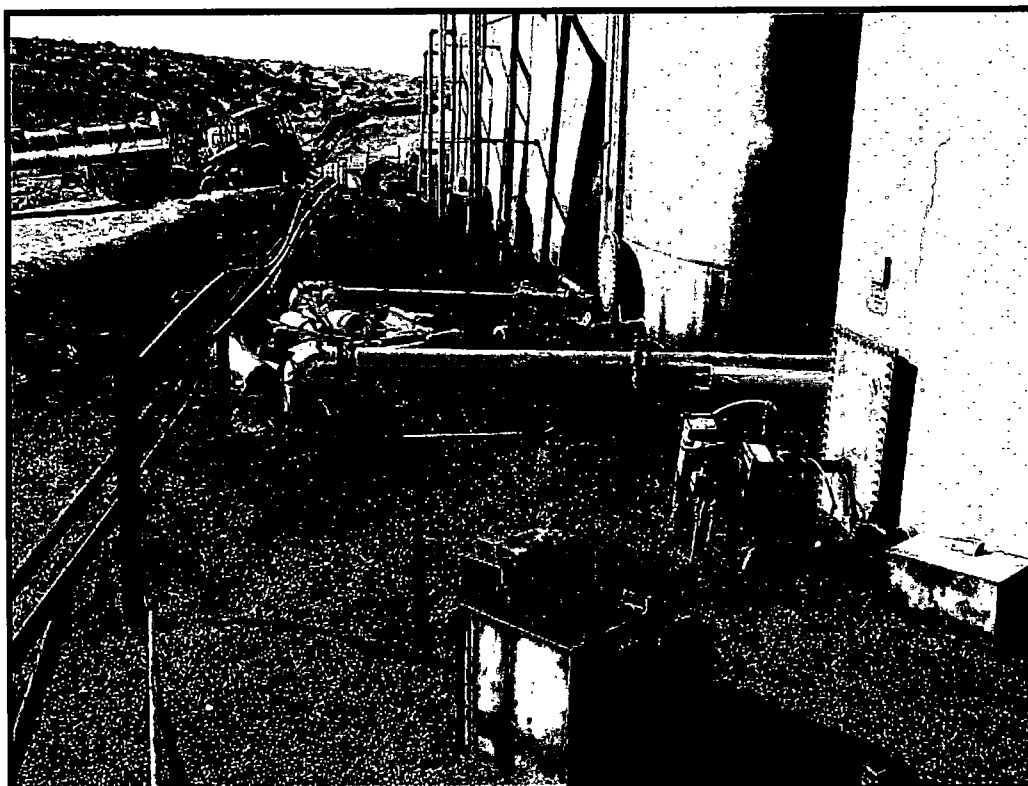
Seperators



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



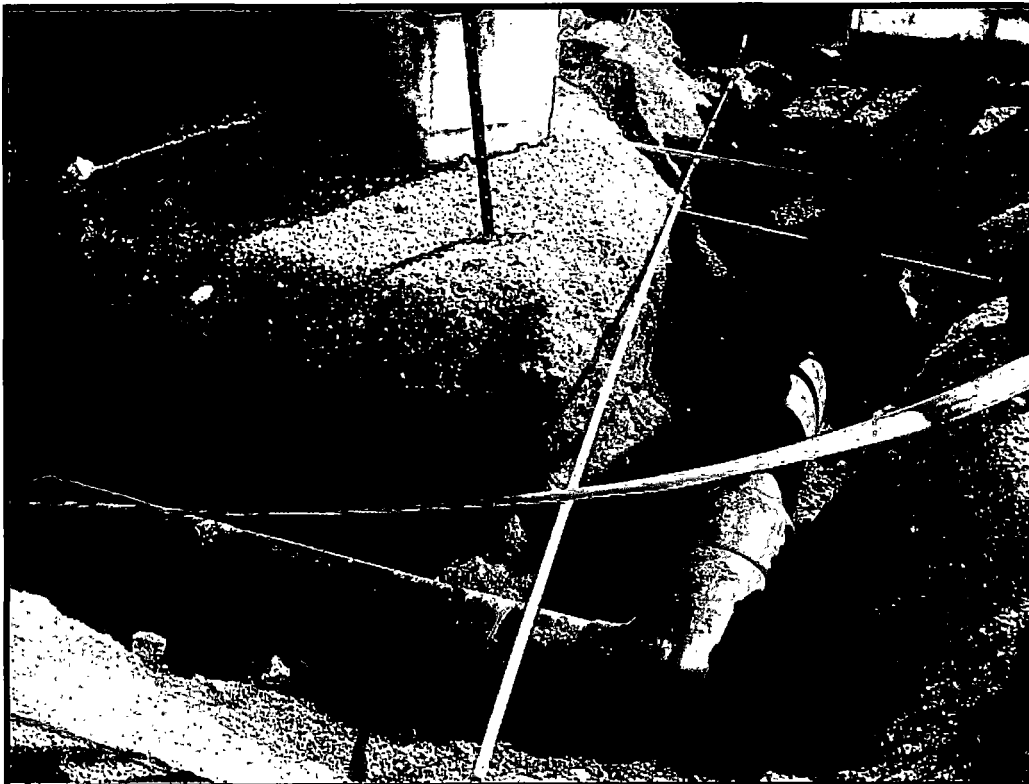
East side of tank berm



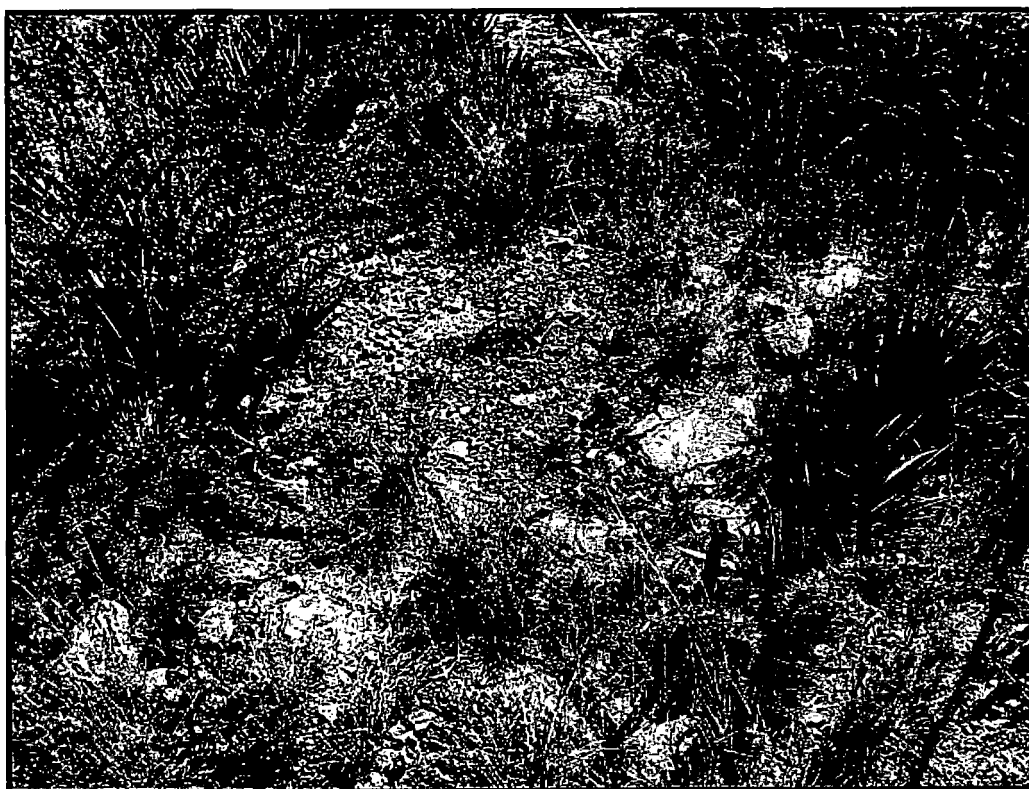
East side of tank area facing north



West side of tank facing north



South of tank were line broke



Pasture



Pasture



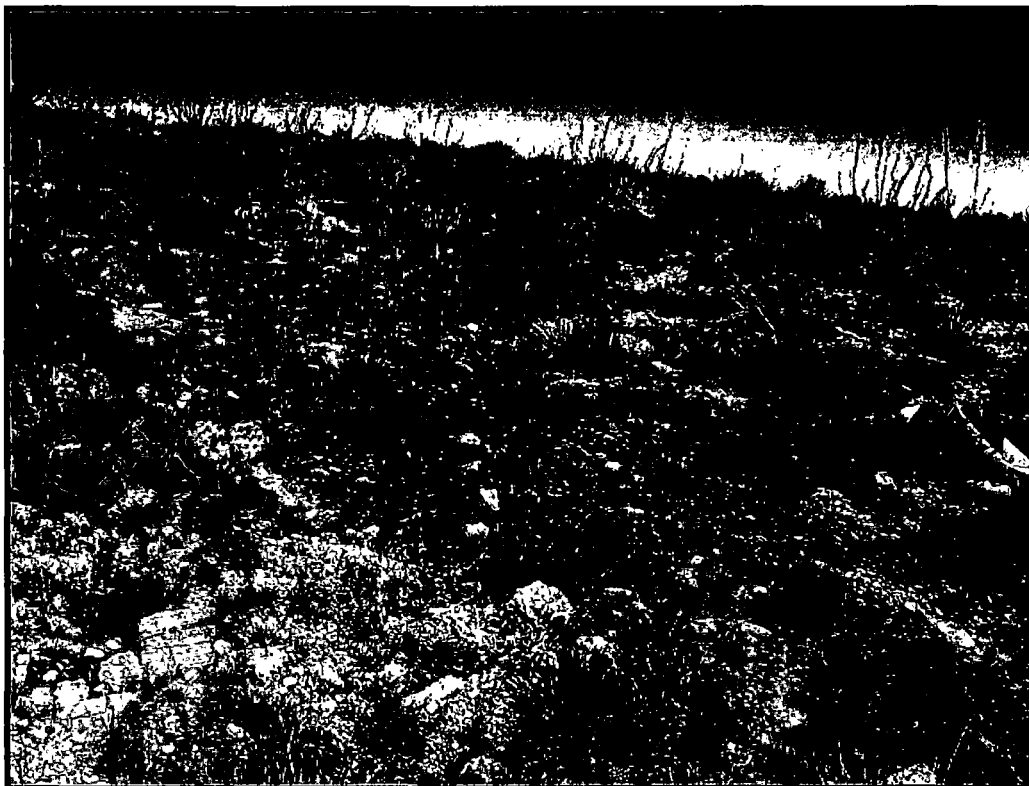
Pasture facing west



Pasture facing west



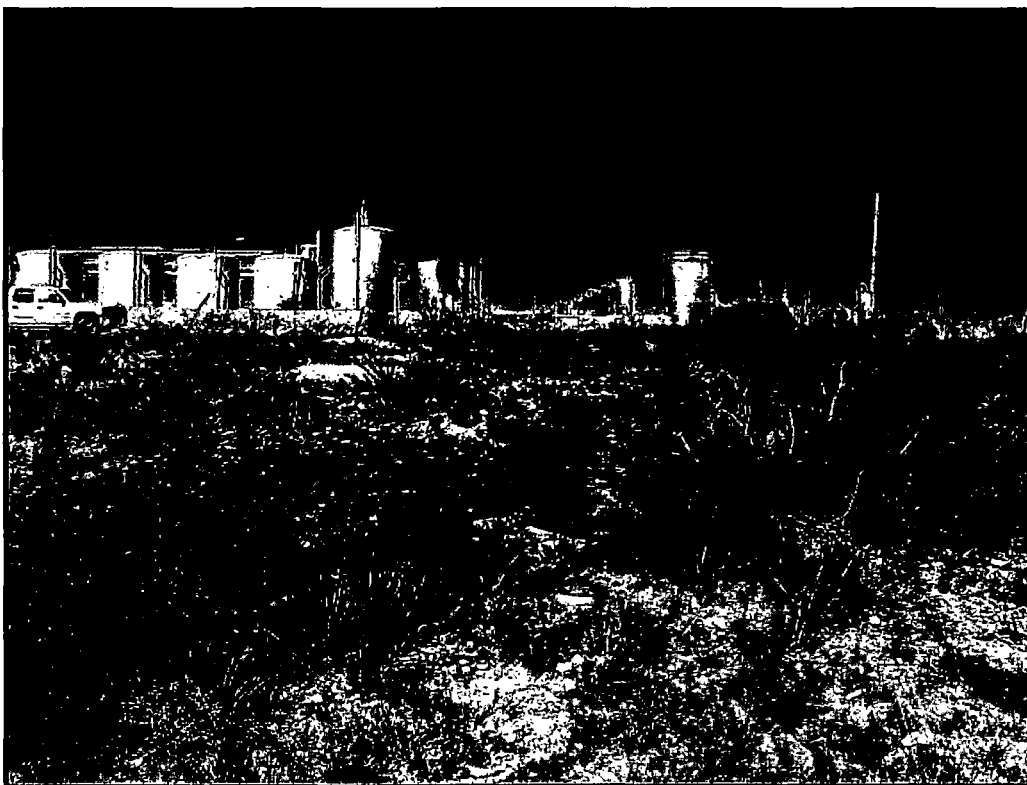
Pasture facing west



Pasture facing north



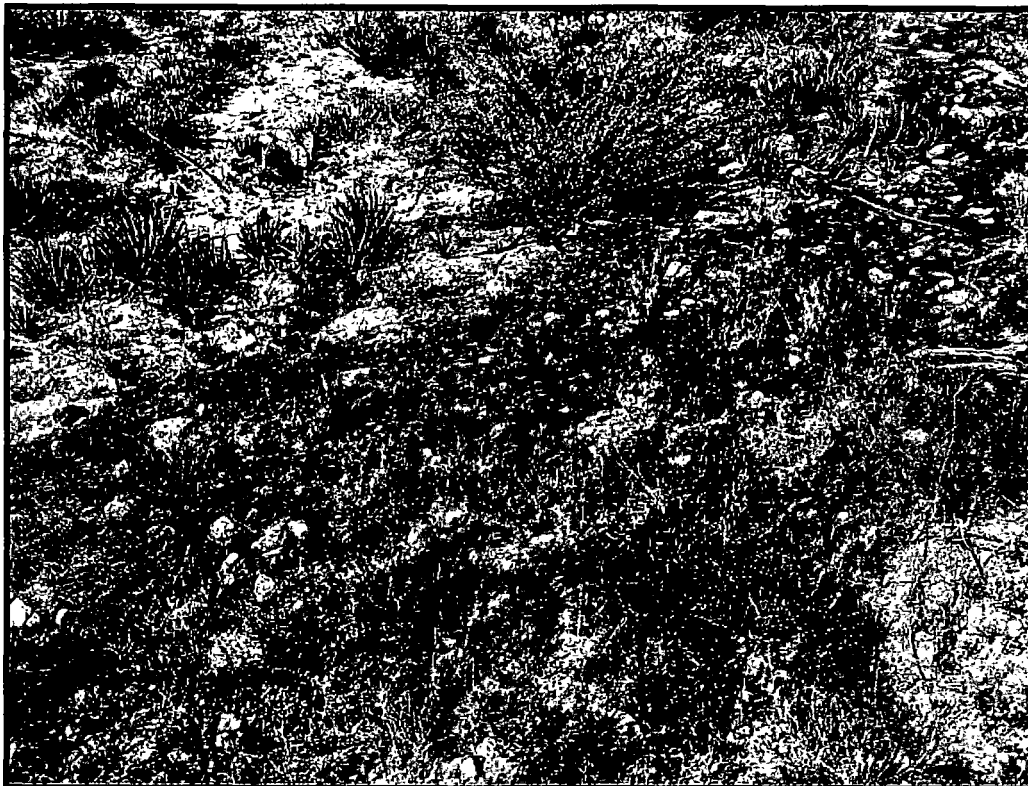
Pasture facing east



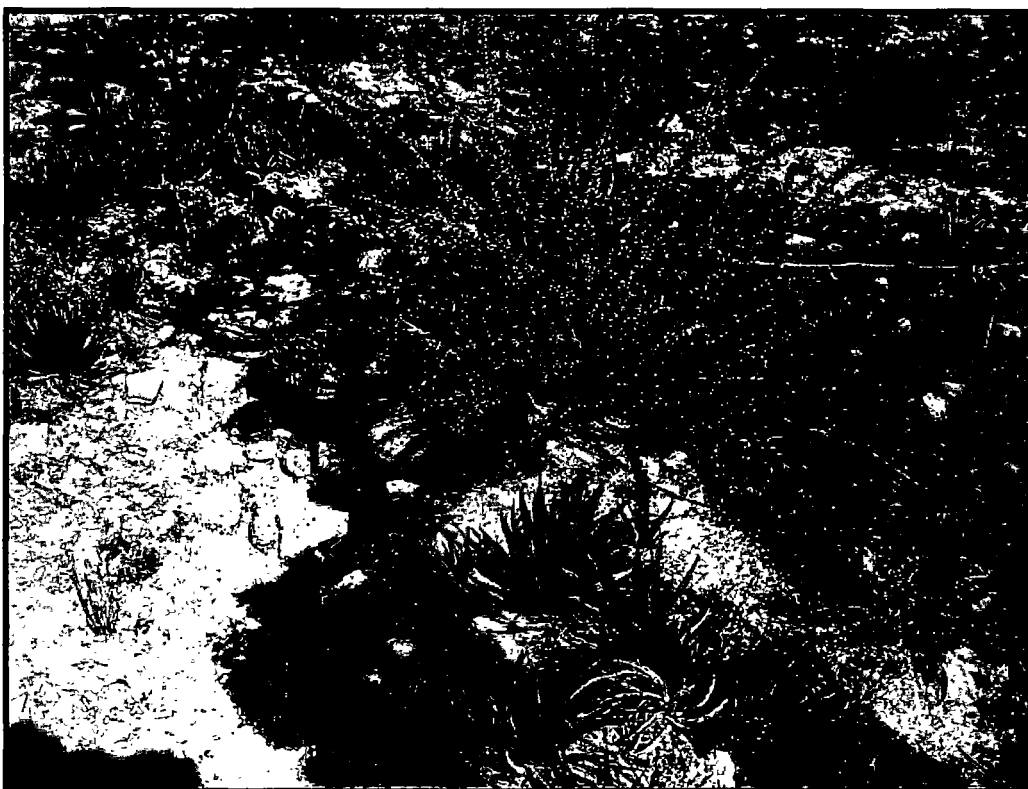
Pasture facing west



Pasture facing west



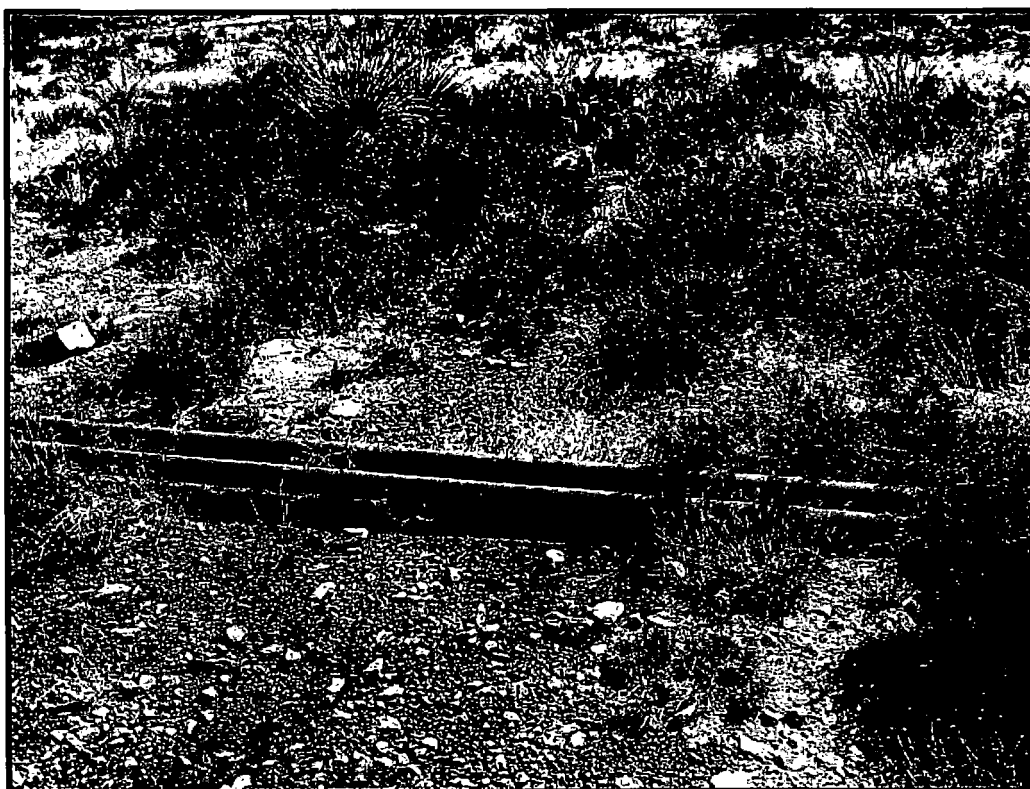
Pasture



Pasture



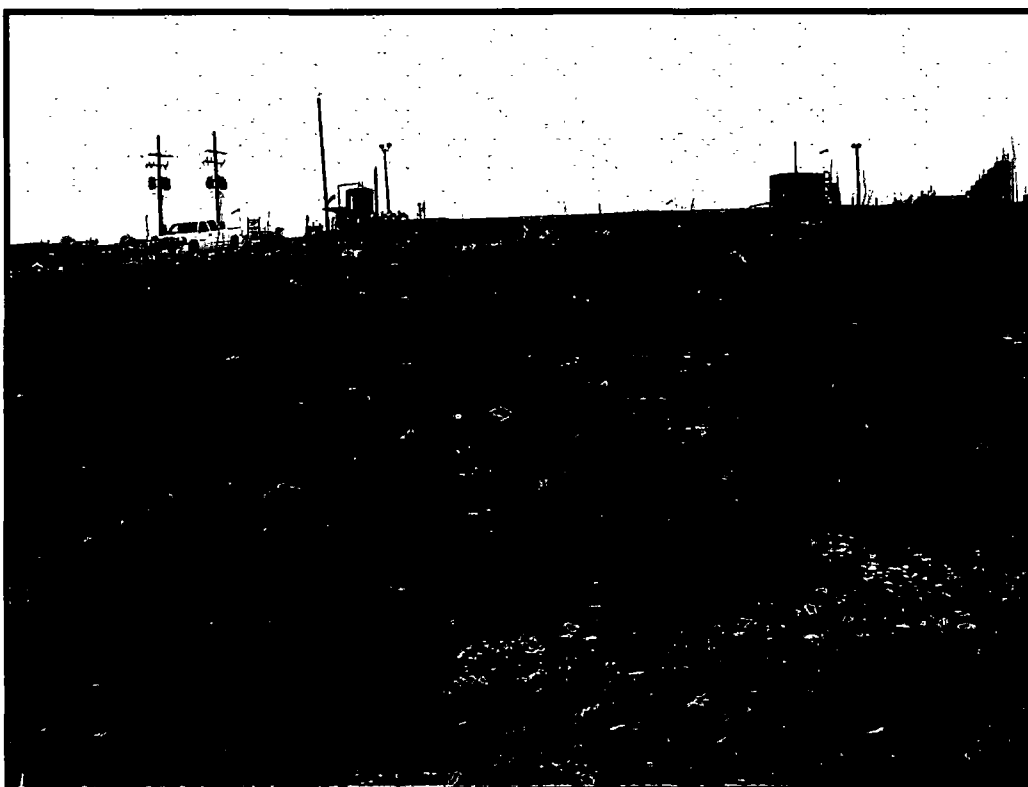
Roadway facing west



Pasture



Pasture after micro-blaze



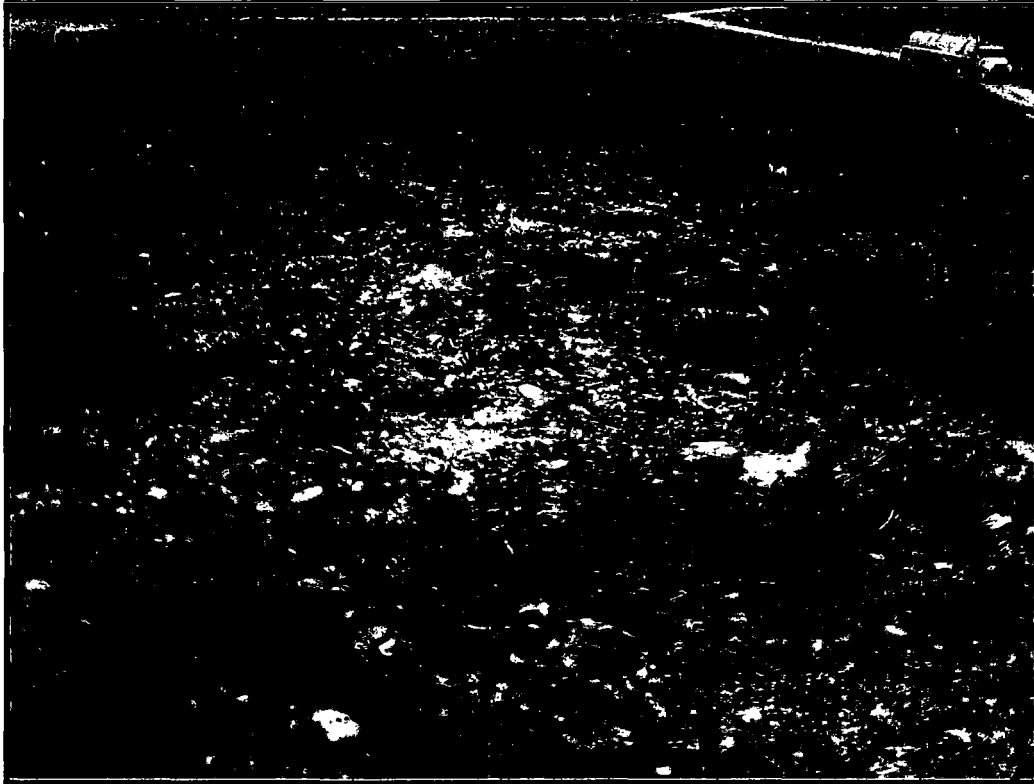
Pasture after micro-blaze facing west



Pasture after micro-blaze facing east



Pasture after micro-blaze facing southeast



Pasture after micro-blaze facing est

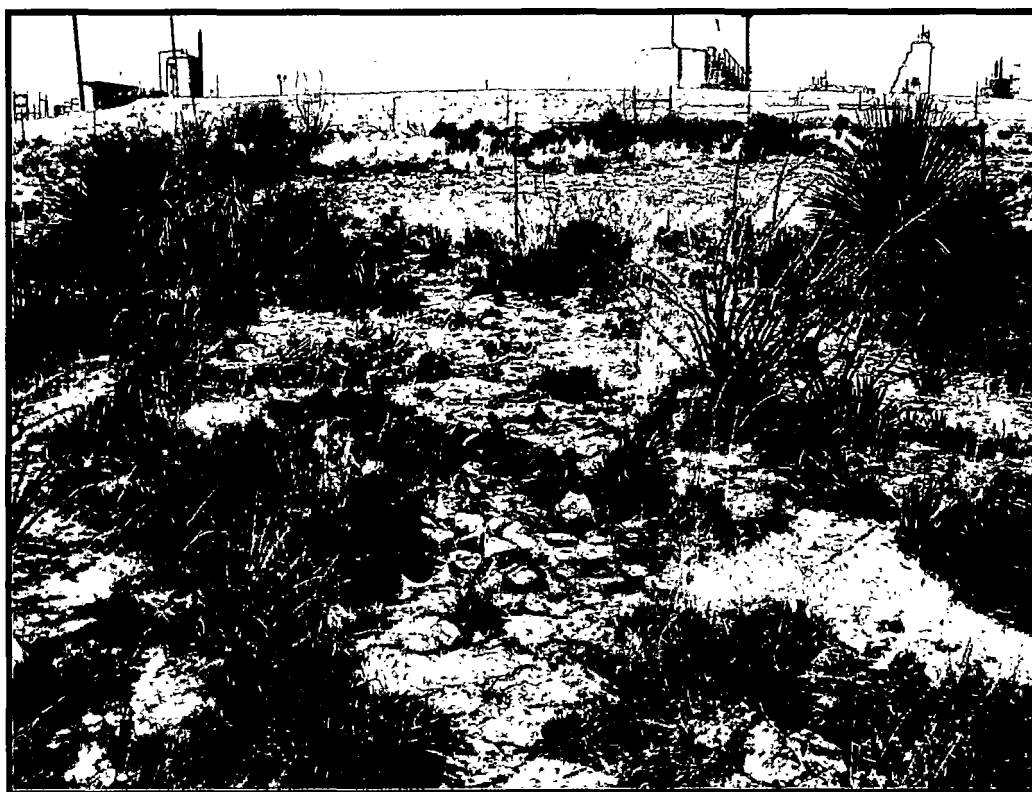


Pasture

October 28, 2008



Hillside facing east



Hillside facing west



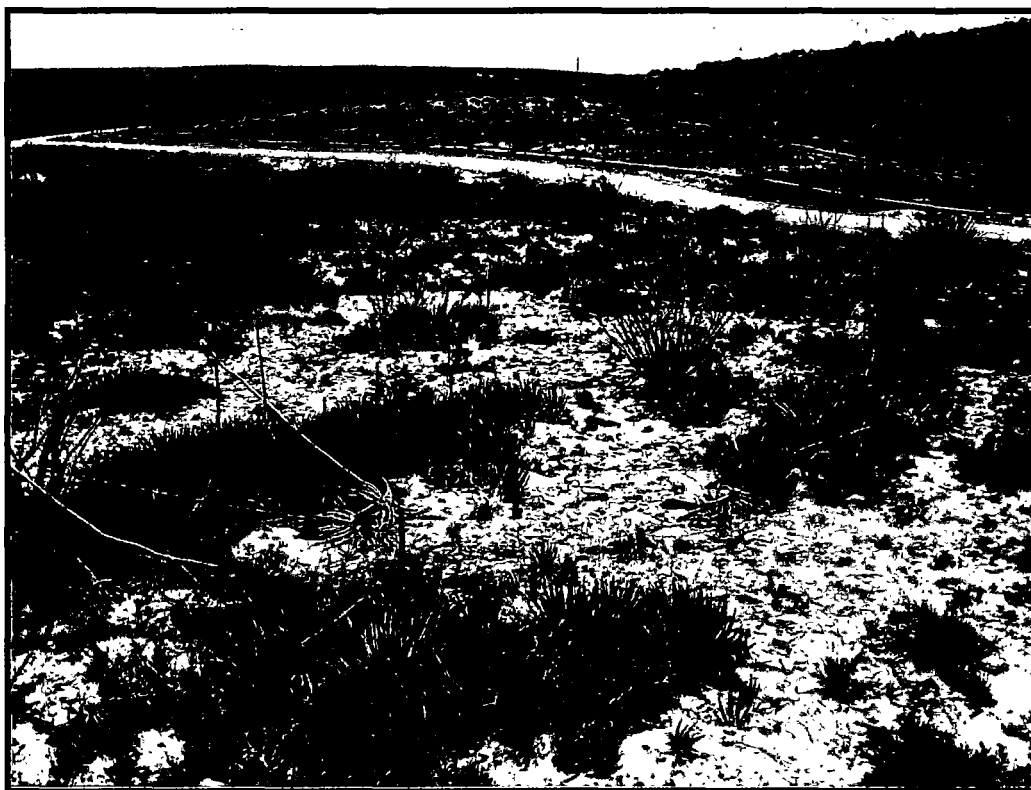
Hillside



Hillside facing south



Hillside facing east



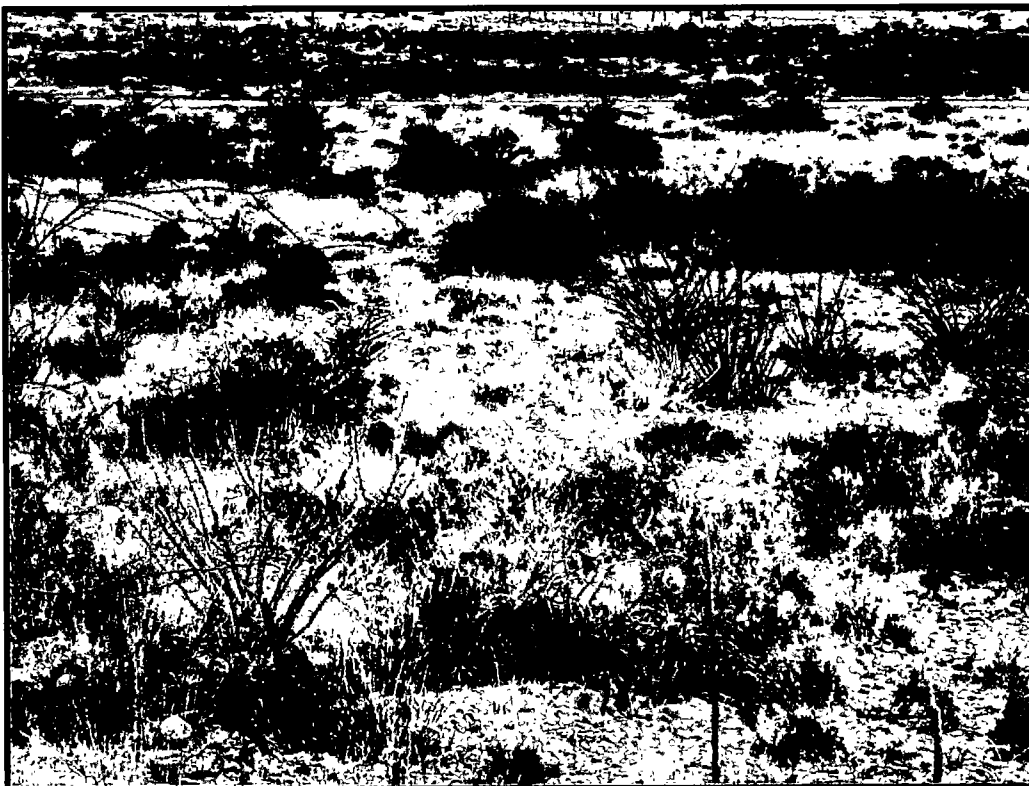
Hillside facing southeast



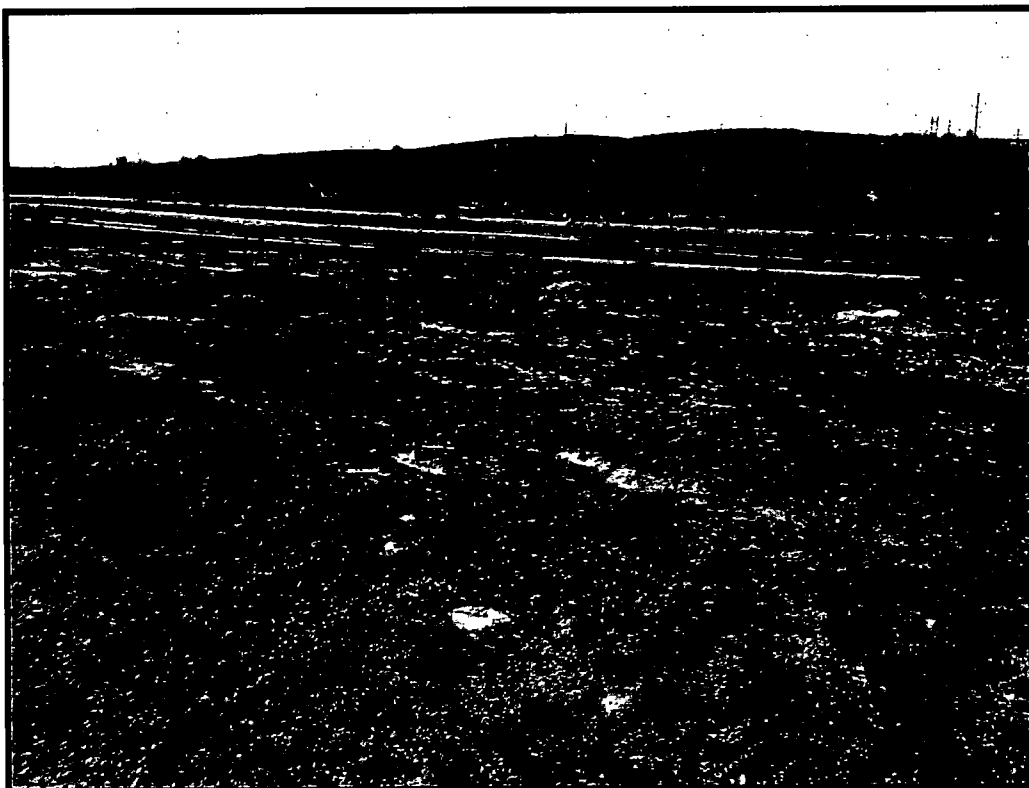
Hillside facing east



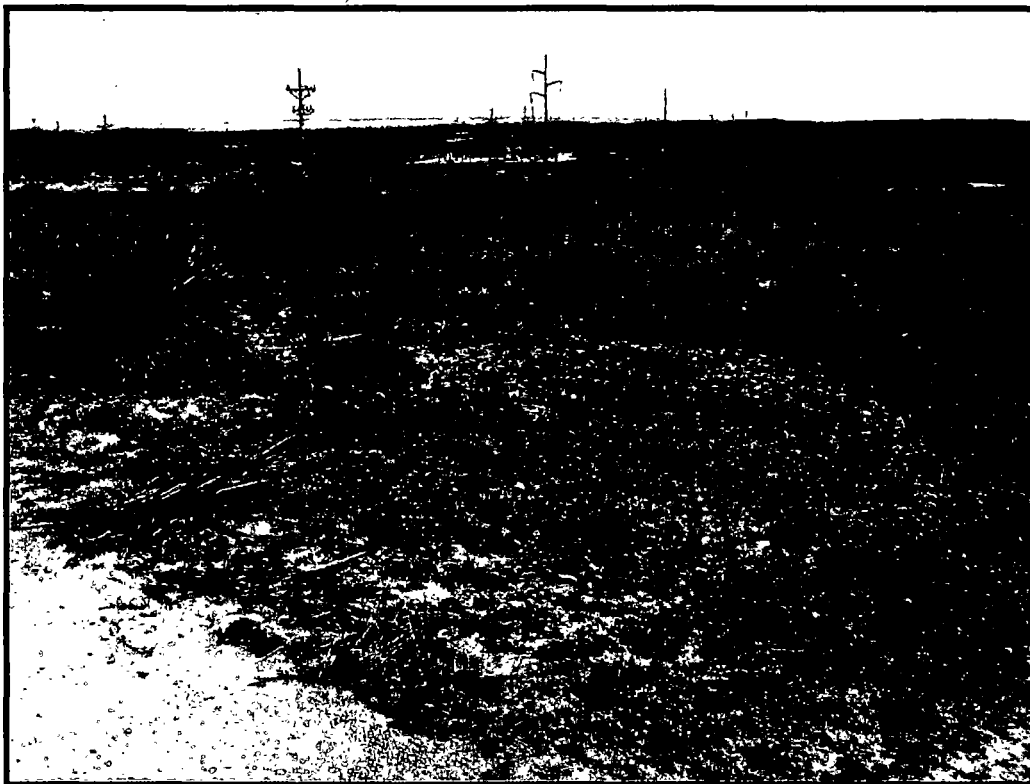
Hillside facing northeast



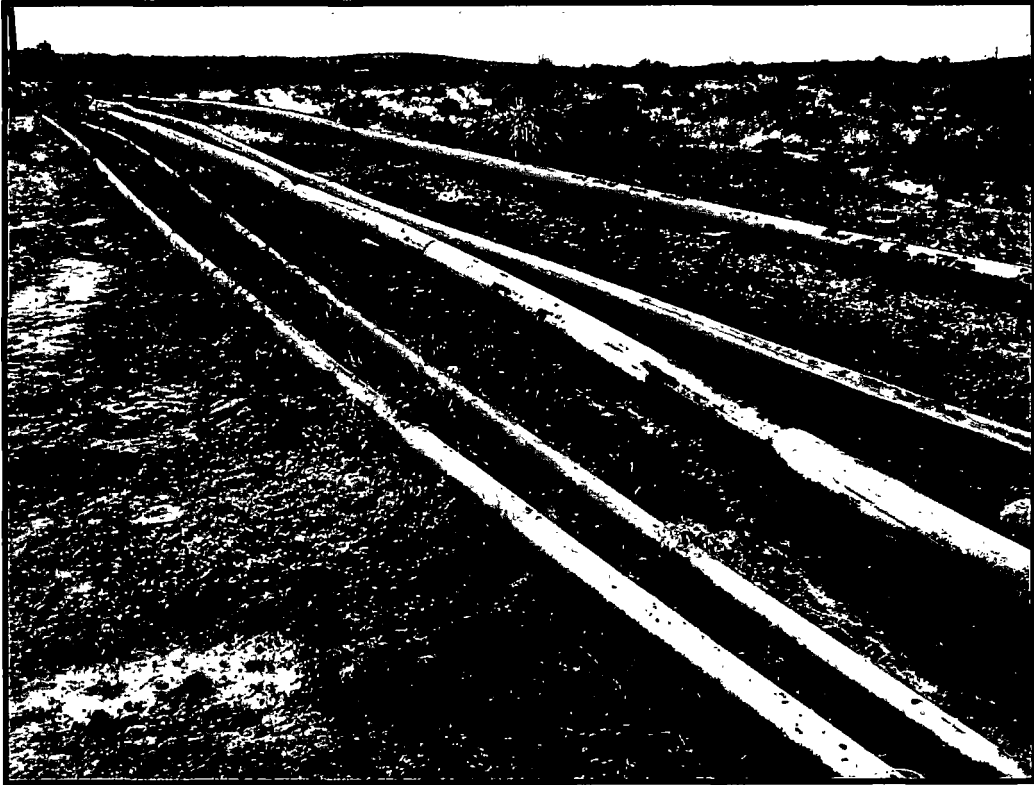
Hillside facing east



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

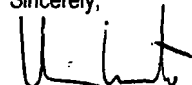
Enclosed are the results for sample(s) received on 10/29/08 15:00 by Argon Laboratories. The sample(s) were analyzed according to instructions in accompanying chain-of-custody. Results are summarized on the following pages.

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: OKY 8705 Project Title: OKY Big Well Battery Location: Carl'sbad, NM		Client: SESA Address: 703 E Clinton Hobbs, NM 88240 Contact: (575)397-0510 Phone: (575)397-0510 Fax:		Bill To: Client: Same Address:		ANALYSIS BTEX TPH 418.1 CI-		COMMENTS	
Sampler's Name: Isaac Kincaid (print)		TURN AROUND TIME RUSH <input type="checkbox"/> 24 Hour <input type="checkbox"/> 48 Hour <input type="checkbox"/> other <input type="checkbox"/>		Standard (5 days) <input checked="" type="checkbox"/>		Matrix			
Sample ID	Date	Time	# Containers	Matrix					
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	Received By: 		Date: 10-29-08 Time: 1500
Relinquished By:					Date:	Time:	Received By:		Date: Time:
Relinquished 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 ☐

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.:

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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703 E. Clinton Ave

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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**

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

BTEX EPA Method 8021B

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

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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 - Quality Control**Argon Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	RPD	Notes
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Batch CR00157 - General Prep**Blank (CR00157-BLK1)**

Prepared & Analyzed: 11/05/08

Chloride ND 10 mg/kg

LCS (CR00157-BS1)

Prepared & Analyzed: 11/05/08

Chloride 4.50 mg/kg 5.00 90

LCS Dup (CR00157-BSD1)

Prepared & Analyzed: 11/05/08

Chloride 4.65 mg/kg 5.00 93 3

Matrix Spike (CR00157-MS1)

Prepared & Analyzed: 11/05/08

Chloride 4.25 mg/kg 5.00 85

Matrix Spike Dup (CR00157-MSD1)

Prepared & Analyzed: 11/05/08

Chloride 4.05 mg/kg 5.00 81 5

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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

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

Blank (CR00159-BLK1)

Prepared & Analyzed: 11/05/08

Surrogate: a,a,a-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	"					

LCS (CR00159-BS1)

Prepared & Analyzed: 11/05/08

Benzene	0.048		mg/kg	0.0500		96		
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LCS Dup (CR00159-BSD1)

Prepared & Analyzed: 11/05/08

Benzene	0.048		mg/kg	0.0500		96	0	
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Matrix Spike (CR00159-MS1)

Prepared & Analyzed: 11/05/08

Toluene	0.045		mg/kg	0.0500		90		
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Matrix Spike Dup (CR00159-MSD1)

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

Blank (CR00158-BLK1)

Prepared & Analyzed: 11/05/08

Total Petroleum Hydrocarbons ND 20 mg/kg

LCS (CR00158-BS1)

Prepared & Analyzed: 11/05/08

Total Petroleum Hydrocarbons 117 mg/kg 100 117

LCS Dup (CR00158-BSD1)

Prepared & Analyzed: 11/05/08

Total Petroleum Hydrocarbons 114 mg/kg 100 114 3

Matrix Spike (CR00158-MS1)

Prepared & Analyzed: 11/05/08

Total Petroleum Hydrocarbons 103 mg/kg 100 103

Matrix Spike Dup (CR00158-MSD1)

Prepared & Analyzed: 11/05/08

Total Petroleum Hydrocarbons 107 mg/kg 100 107 4

Approved By
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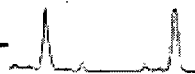
Safety & Environmental Solutions, Inc.

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



APPENDIX C

Photographic Documentation



View of initial release, facing north.



View of initial release, facing west.



View of release area during excavation activities, facing west.



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° (± 11.6 ft)
Altitude: 3869ft (± 9.8 ft)
Datum: WGS-84
Azimuth/Bearing: 114° S66E 2027mils True ($\pm 11^\circ$)
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° (± 20.4 ft)
Altitude: 3868ft (± 9.8 ft)
Datum: WGS-84
Azimuth/Bearing: 057° N57E 1013mils True ($\pm 11^\circ$)
Elevation Angle: -20.5°
Horizon Angle: -02.3°
Zoom: 0.5X



View of release area during excavation activities, facing northeast.



APPENDIX D

Table

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
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
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
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
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
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
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	NS
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	NS
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
Floor Sample Analytical Results												
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)
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-91	9/2/2022	0.25 - 0.50	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	45.6	<10.0	45.6	<16.0
FS-92	9/2/2022	0.25 - 0.50	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	35.6	<10.0	35.6	<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	32.0
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	101	24.8	126	<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	25.1	<10.0	25.1	32.0
FS-100	9/2/2022	0.25 - 0.50	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	54.5	15.2	69.7	32.0
FS-101	9/2/2022	0.25 - 0.50	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	24.0	<10.0	24.0	32.0
*FS-102	9/2/2022	0.25 - 0.50	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	110	26.7	137	48.0
	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	48.0
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	32.0
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	32.0
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	16.0
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	48.0
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	16.0
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	32.0
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	32.0

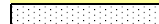
TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
2RP-3334 - 9.17.08 (Big Walt 2 State #008)
Oxy USA Inc.
Eddy County, New Mexico
Ensolum Project No. 03B1417069

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
Floor Sample Analytical Results												
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	32.0
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	32.0
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	16.0
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	16.0
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	16.0
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	188	47.5	236	<16.0
	9/29/2022	84	NS					<10.0	104	34.8	139	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	32.0
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	16.0
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	16.0
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	32.1	<10.0	32.1	<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	21.7	<10.0	21.7	<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	11.7	<10.0	11.7	<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	16.0
FS-146	9/2/2022	0.25 - 0.50	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	43.7	<10.0	43.7	<16.0
FS-147	9/2/2022	0.25 - 0.50	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	21.5	<10.0	21.5	48.0
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)
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-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	25.1	<10.0	25.1	<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	16.0
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
Sidewall Sample Analytical Results												
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



APPENDIX E

Laboratory Data Sheets and Chain-of-Custody Documentation



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

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.

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, stylized 'C' and 'K'.

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
 Reported: 09/09/2022
 Project Name: BIG WALT
 Project Number: 03B1417054
 Project Location: OXY - EDDY, CO.

Sampling Date: 09/02/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

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
 Reported: 09/09/2022
 Project Name: BIG WALT
 Project Number: 03B1417054
 Project Location: OXY - EDDY, CO.

Sampling Date: 09/02/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

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	
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*	52.6	10.0	09/06/2022	ND	167	83.4	200	3.30	
EXT DRO >C28-C36	16.7	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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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
 Reported: 09/09/2022
 Project Name: BIG WALT
 Project Number: 03B1417054
 Project Location: OXY - EDDY, CO.

Sampling Date: 09/02/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

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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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
 Reported: 09/09/2022
 Project Name: BIG WALT
 Project Number: 03B1417054
 Project Location: OXY - EDDY, CO.

Sampling Date: 09/02/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

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, 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*	80.5	10.0	09/06/2022	ND	167	83.4	200	3.30	
EXT DRO >C28-C36	36.8	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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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
 Reported: 09/09/2022
 Project Name: BIG WALT
 Project Number: 03B1417054
 Project Location: OXY - EDDY, CO.

Sampling Date: 09/02/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

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	
DRO >C10-C28*	196	10.0	09/06/2022	ND	167	83.4	200	3.30	
EXT DRO >C28-C36	96.3	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



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Analytical Results For:

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

Received: 09/02/2022
 Reported: 09/09/2022
 Project Name: BIG WALT
 Project Number: 03B1417054
 Project Location: OXY - EDDY, CO.

Sampling Date: 09/02/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

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, 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*	866	10.0	09/06/2022	ND	167	83.4	200	3.30	
EXT DRO >C28-C36	358	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



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
 Reported: 09/09/2022
 Project Name: BIG WALT
 Project Number: 03B1417054
 Project Location: OXY - EDDY, CO.

Sampling Date: 09/02/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

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, 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	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*	174	10.0	09/06/2022	ND	167	83.4	200	3.30	
EXT DRO >C28-C36	95.8	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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Analytical Results For:

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

Received: 09/02/2022
 Reported: 09/09/2022
 Project Name: BIG WALT
 Project Number: 03B1417054
 Project Location: OXY - EDDY, CO.

Sampling Date: 09/02/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

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, 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*	13.1	10.0	09/06/2022	ND	167	83.4	200	3.30	
EXT DRO >C28-C36	11.3	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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Analytical Results For:

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

Received: 09/02/2022
 Reported: 09/09/2022
 Project Name: BIG WALT
 Project Number: 03B1417054
 Project Location: OXY - EDDY, CO.

Sampling Date: 09/02/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

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	
DRO >C10-C28*	1470	10.0	09/06/2022	ND	167	83.4	200	3.30	
EXT DRO >C28-C36	628	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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Analytical Results For:

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

Received: 09/02/2022
 Reported: 09/09/2022
 Project Name: BIG WALT
 Project Number: 03B1417054
 Project Location: OXY - EDDY, CO.

Sampling Date: 09/02/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

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, 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	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*	61.7	10.0	09/06/2022	ND	167	83.4	200	3.30	
EXT DRO >C28-C36	65.0	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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Analytical Results For:

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

Received: 09/02/2022
 Reported: 09/09/2022
 Project Name: BIG WALT
 Project Number: 03B1417054
 Project Location: OXY - EDDY, CO.

Sampling Date: 09/02/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

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, 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	09/07/2022	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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Analytical Results For:

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

Received: 09/02/2022
 Reported: 09/09/2022
 Project Name: BIG WALT
 Project Number: 03B1417054
 Project Location: OXY - EDDY, CO.

Sampling Date: 09/02/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

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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Analytical Results For:

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

Received: 09/02/2022
 Reported: 09/09/2022
 Project Name: BIG WALT
 Project Number: 03B1417054
 Project Location: OXY - EDDY, CO.

Sampling Date: 09/02/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

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, 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	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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Analytical Results For:

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

Received: 09/02/2022
 Reported: 09/09/2022
 Project Name: BIG WALT
 Project Number: 03B1417054
 Project Location: OXY - EDDY, CO.

Sampling Date: 09/02/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

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, 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	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*	24.8	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



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
 Reported: 09/09/2022
 Project Name: BIG WALT
 Project Number: 03B1417054
 Project Location: OXY - EDDY, CO.

Sampling Date: 09/02/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

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

BTX 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 BTX	<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
 Reported: 09/09/2022
 Project Name: BIG WALT
 Project Number: 03B1417054
 Project Location: OXY - EDDY, CO.

Sampling Date: 09/02/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

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

BTX 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 BTX	<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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Analytical Results For:

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

Received: 09/02/2022
 Reported: 09/09/2022
 Project Name: BIG WALT
 Project Number: 03B1417054
 Project Location: OXY - EDDY, CO.

Sampling Date: 09/02/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

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	
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*	14.6	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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Analytical Results For:

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

Received: 09/02/2022
 Reported: 09/09/2022
 Project Name: BIG WALT
 Project Number: 03B1417054
 Project Location: OXY - EDDY, CO.

Sampling Date: 09/02/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

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

BTX 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 BTX	<0.300	0.300	09/06/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 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 61.9 % 45.3-161

Surrogate: 1-Chlorooctadecane 69.3 % 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
 Reported: 09/09/2022
 Project Name: BIG WALT
 Project Number: 03B1417054
 Project Location: OXY - EDDY, CO.

Sampling Date: 09/02/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

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

BTX 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 BTX	<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	
DRO >C10-C28*	24.5	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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Analytical Results For:

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

Received: 09/02/2022
 Reported: 09/09/2022
 Project Name: BIG WALT
 Project Number: 03B1417054
 Project Location: OXY - EDDY, CO.

Sampling Date: 09/02/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

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	
DRO >C10-C28*	40.4	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
 Reported: 09/09/2022
 Project Name: BIG WALT
 Project Number: 03B1417054
 Project Location: OXY - EDDY, CO.

Sampling Date: 09/02/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

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, 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 112 % 45.3-161

Surrogate: 1-Chlorooctadecane 117 % 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
 Reported: 09/09/2022
 Project Name: BIG WALT
 Project Number: 03B1417054
 Project Location: OXY - EDDY, CO.

Sampling Date: 09/02/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

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, 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*	23.2	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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Analytical Results For:

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

Received: 09/02/2022
 Reported: 09/09/2022
 Project Name: BIG WALT
 Project Number: 03B1417054
 Project Location: OXY - EDDY, CO.

Sampling Date: 09/02/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

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, 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 78.4 % 45.3-161

Surrogate: 1-Chlorooctadecane 83.5 % 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
 Reported: 09/09/2022
 Project Name: BIG WALT
 Project Number: 03B1417054
 Project Location: OXY - EDDY, CO.

Sampling Date: 09/02/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

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

BTX 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 BTX	<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*	27.9	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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Analytical Results For:

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

Received: 09/02/2022
 Reported: 09/09/2022
 Project Name: BIG WALT
 Project Number: 03B1417054
 Project Location: OXY - EDDY, CO.

Sampling Date: 09/02/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

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, 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*	44.8	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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Analytical Results For:

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

Received: 09/02/2022
 Reported: 09/09/2022
 Project Name: BIG WALT
 Project Number: 03B1417054
 Project Location: OXY - EDDY, CO.

Sampling Date: 09/02/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

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, 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 79.6 % 45.3-161

Surrogate: 1-Chlorooctadecane 84.5 % 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
 Reported: 09/09/2022
 Project Name: BIG WALT
 Project Number: 03B1417054
 Project Location: OXY - EDDY, CO.

Sampling Date: 09/02/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

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

BTX 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 BTX	<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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Analytical Results For:

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

Received: 09/02/2022
 Reported: 09/09/2022
 Project Name: BIG WALT
 Project Number: 03B1417054
 Project Location: OXY - EDDY, CO.

Sampling Date: 09/02/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

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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Analytical Results For:

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

Received: 09/02/2022
 Reported: 09/09/2022
 Project Name: BIG WALT
 Project Number: 03B1417054
 Project Location: OXY - EDDY, CO.

Sampling Date: 09/02/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

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	
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*	21.4	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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Analytical Results For:

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

Received: 09/02/2022
 Reported: 09/09/2022
 Project Name: BIG WALT
 Project Number: 03B1417054
 Project Location: OXY - EDDY, CO.

Sampling Date: 09/02/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

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

BTX 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 BTX	<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 93.7 % 45.3-161

Surrogate: 1-Chlorooctadecane 98.9 % 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
 Reported: 09/09/2022
 Project Name: BIG WALT
 Project Number: 03B1417054
 Project Location: OXY - EDDY, CO.

Sampling Date: 09/02/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

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, 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 85.2 % 45.3-161

Surrogate: 1-Chlorooctadecane 86.7 % 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
 Reported: 09/09/2022
 Project Name: BIG WALT
 Project Number: 03B1417054
 Project Location: OXY - EDDY, CO.

Sampling Date: 09/02/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

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, 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	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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Analytical Results For:

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

Received: 09/02/2022
 Reported: 09/09/2022
 Project Name: BIG WALT
 Project Number: 03B1417054
 Project Location: OXY - EDDY, CO.

Sampling Date: 09/02/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

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, 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*	761	10.0	09/06/2022	ND	204	102	200	1.63	
EXT DRO >C28-C36	293	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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Analytical Results For:

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

Received: 09/02/2022
 Reported: 09/09/2022
 Project Name: BIG WALT
 Project Number: 03B1417054
 Project Location: OXY - EDDY, CO.

Sampling Date: 09/02/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

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	
DRO >C10-C28*	310	10.0	09/06/2022	ND	204	102	200	1.63	
EXT DRO >C28-C36	115	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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Analytical Results For:

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

Received: 09/02/2022
 Reported: 09/09/2022
 Project Name: BIG WALT
 Project Number: 03B1417054
 Project Location: OXY - EDDY, CO.

Sampling Date: 09/02/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

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

BTX 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 BTX	<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	<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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Analytical Results For:

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

Received: 09/02/2022
 Reported: 09/09/2022
 Project Name: BIG WALT
 Project Number: 03B1417054
 Project Location: OXY - EDDY, CO.

Sampling Date: 09/02/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

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

BTX 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 BTX	<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
 Reported: 09/09/2022
 Project Name: BIG WALT
 Project Number: 03B1417054
 Project Location: OXY - EDDY, CO.

Sampling Date: 09/02/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

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
 Reported: 09/09/2022
 Project Name: BIG WALT
 Project Number: 03B1417054
 Project Location: OXY - EDDY, CO.

Sampling Date: 09/02/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

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, 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 83.1 % 45.3-161

Surrogate: 1-Chlorooctadecane 86.5 % 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
 Reported: 09/09/2022
 Project Name: BIG WALT
 Project Number: 03B1417054
 Project Location: OXY - EDDY, CO.

Sampling Date: 09/02/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

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, 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 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
 Reported: 09/09/2022
 Project Name: BIG WALT
 Project Number: 03B1417054
 Project Location: OXY - EDDY, CO.

Sampling Date: 09/02/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

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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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
 Reported: 09/09/2022
 Project Name: BIG WALT
 Project Number: 03B1417054
 Project Location: OXY - EDDY, CO.

Sampling Date: 09/02/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

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

BTX 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 BTX	<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	48.0	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 79.5 % 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
 Reported: 09/09/2022
 Project Name: BIG WALT
 Project Number: 03B1417054
 Project Location: OXY - EDDY, CO.

Sampling Date: 09/02/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

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
 Reported: 09/09/2022
 Project Name: BIG WALT
 Project Number: 03B1417054
 Project Location: OXY - EDDY, CO.

Sampling Date: 09/02/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

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

BTX 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 BTX	<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
 Reported: 09/09/2022
 Project Name: BIG WALT
 Project Number: 03B1417054
 Project Location: OXY - EDDY, CO.

Sampling Date: 09/02/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

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
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*	41.9	10.0	09/06/2022	ND	173	86.7	200	12.4	
EXT DRO >C28-C36	12.4	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
 Reported: 09/09/2022
 Project Name: BIG WALT
 Project Number: 03B1417054
 Project Location: OXY - EDDY, CO.

Sampling Date: 09/02/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

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

BTX 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 BTX	<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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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
 Reported: 09/09/2022
 Project Name: BIG WALT
 Project Number: 03B1417054
 Project Location: OXY - EDDY, CO.

Sampling Date: 09/02/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

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

BTX 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 BTX	<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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Analytical Results For:

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

Received: 09/02/2022
 Reported: 09/09/2022
 Project Name: BIG WALT
 Project Number: 03B1417054
 Project Location: OXY - EDDY, CO.

Sampling Date: 09/02/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

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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Analytical Results For:

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

Received: 09/02/2022
Reported: 09/09/2022
Project Name: BIG WALT
Project Number: 03B1417054
Project Location: OXY - EDDY, CO.

Sampling Date: 09/02/2022
Sampling Type: Soil
Sampling Condition: ** (See Notes)
Sample Received By: Shalyn Rodriguez

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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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
 Reported: 09/09/2022
 Project Name: BIG WALT
 Project Number: 03B1417054
 Project Location: OXY - EDDY, CO.

Sampling Date: 09/02/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

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

BTX 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 BTX	<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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Analytical Results For:

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

Received: 09/02/2022
 Reported: 09/09/2022
 Project Name: BIG WALT
 Project Number: 03B1417054
 Project Location: OXY - EDDY, CO.

Sampling Date: 09/02/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

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

BTX 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 BTX	<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	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*	46.0	10.0	09/06/2022	ND	173	86.7	200	12.4	
EXT DRO >C28-C36	15.8	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
 Reported: 09/09/2022
 Project Name: BIG WALT
 Project Number: 03B1417054
 Project Location: OXY - EDDY, CO.

Sampling Date: 09/02/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

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, 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*	15.8	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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Analytical Results For:

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

Received: 09/02/2022
 Reported: 09/09/2022
 Project Name: BIG WALT
 Project Number: 03B1417054
 Project Location: OXY - EDDY, CO.

Sampling Date: 09/02/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

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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Analytical Results For:

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

Received: 09/02/2022
 Reported: 09/09/2022
 Project Name: BIG WALT
 Project Number: 03B1417054
 Project Location: OXY - EDDY, CO.

Sampling Date: 09/02/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

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, 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 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
 Reported: 09/09/2022
 Project Name: BIG WALT
 Project Number: 03B1417054
 Project Location: OXY - EDDY, CO.

Sampling Date: 09/02/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

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

BTX 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 BTX	<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 88.5 % 45.3-161

Surrogate: 1-Chlorooctadecane 98.3 % 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
 Reported: 09/09/2022
 Project Name: BIG WALT
 Project Number: 03B1417054
 Project Location: OXY - EDDY, CO.

Sampling Date: 09/02/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

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, 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 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
 Reported: 09/09/2022
 Project Name: BIG WALT
 Project Number: 03B1417054
 Project Location: OXY - EDDY, CO.

Sampling Date: 09/02/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

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, 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	09/07/2022	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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ENSOLUM, LLC
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 09/02/2022
 Reported: 09/09/2022
 Project Name: BIG WALT
 Project Number: 03B1417054
 Project Location: OXY - EDDY, CO.

Sampling Date: 09/02/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

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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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
 Reported: 09/09/2022
 Project Name: BIG WALT
 Project Number: 03B1417054
 Project Location: OXY - EDDY, CO.

Sampling Date: 09/02/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

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

BTX 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 BTX	<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 87.9 % 45.3-161

Surrogate: 1-Chlorooctadecane 95.2 % 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
 Reported: 09/09/2022
 Project Name: BIG WALT
 Project Number: 03B1417054
 Project Location: OXY - EDDY, CO.

Sampling Date: 09/02/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

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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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
 Reported: 09/09/2022
 Project Name: BIG WALT
 Project Number: 03B1417054
 Project Location: OXY - EDDY, CO.

Sampling Date: 09/02/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

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, 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	09/07/2022	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
 Reported: 09/09/2022
 Project Name: BIG WALT
 Project Number: 03B1417054
 Project Location: OXY - EDDY, CO.

Sampling Date: 09/02/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

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, 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	09/07/2022	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:

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

Received: 09/02/2022
 Reported: 09/09/2022
 Project Name: BIG WALT
 Project Number: 03B1417054
 Project Location: OXY - EDDY, CO.

Sampling Date: 09/02/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

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, 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	09/07/2022	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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 MIDLAND TX, 79705
 Fax To:

Received: 09/02/2022
 Reported: 09/09/2022
 Project Name: BIG WALT
 Project Number: 03B1417054
 Project Location: OXY - EDDY, CO.

Sampling Date: 09/02/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

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, 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 76.9 % 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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 Fax To:

Received: 09/02/2022
 Reported: 09/09/2022
 Project Name: BIG WALT
 Project Number: 03B1417054
 Project Location: OXY - EDDY, CO.

Sampling Date: 09/02/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

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

Received: 09/02/2022
 Reported: 09/09/2022
 Project Name: BIG WALT
 Project Number: 03B1417054
 Project Location: OXY - EDDY, CO.

Sampling Date: 09/02/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

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

BTX 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 BTX	<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	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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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
 Reported: 09/09/2022
 Project Name: BIG WALT
 Project Number: 03B1417054
 Project Location: OXY - EDDY, CO.

Sampling Date: 09/02/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

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

BTX 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 BTX	<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
 Reported: 09/09/2022
 Project Name: BIG WALT
 Project Number: 03B1417054
 Project Location: OXY - EDDY, CO.

Sampling Date: 09/02/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

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	
DRO >C10-C28*	60.7	10.0	09/07/2022	ND	197	98.3	200	2.93	
EXT DRO >C28-C36	15.3	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
 Reported: 09/09/2022
 Project Name: BIG WALT
 Project Number: 03B1417054
 Project Location: OXY - EDDY, CO.

Sampling Date: 09/02/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

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, 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 84.6 % 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
 Reported: 09/09/2022
 Project Name: BIG WALT
 Project Number: 03B1417054
 Project Location: OXY - EDDY, CO.

Sampling Date: 09/02/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

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

BTX 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 BTX	<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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Analytical Results For:

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

Received: 09/02/2022
 Reported: 09/09/2022
 Project Name: BIG WALT
 Project Number: 03B1417054
 Project Location: OXY - EDDY, CO.

Sampling Date: 09/02/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

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, 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 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
 Reported: 09/09/2022
 Project Name: BIG WALT
 Project Number: 03B1417054
 Project Location: OXY - EDDY, CO.

Sampling Date: 09/02/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

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, 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 90.4 % 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
 Reported: 09/09/2022
 Project Name: BIG WALT
 Project Number: 03B1417054
 Project Location: OXY - EDDY, CO.

Sampling Date: 09/02/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

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, 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*	28.4	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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Analytical Results For:

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

Received: 09/02/2022
 Reported: 09/09/2022
 Project Name: BIG WALT
 Project Number: 03B1417054
 Project Location: OXY - EDDY, CO.

Sampling Date: 09/02/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

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, 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	09/07/2022	ND	189	94.7	200	2.22	
DRO >C10-C28*	15.8	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
 Reported: 09/09/2022
 Project Name: BIG WALT
 Project Number: 03B1417054
 Project Location: OXY - EDDY, CO.

Sampling Date: 09/02/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

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	
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*	206	10.0	09/07/2022	ND	197	98.3	200	2.93	
EXT DRO >C28-C36	89.1	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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Analytical Results For:

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

Received: 09/02/2022
 Reported: 09/09/2022
 Project Name: BIG WALT
 Project Number: 03B1417054
 Project Location: OXY - EDDY, CO.

Sampling Date: 09/02/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

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, 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*	62.4	10.0	09/07/2022	ND	197	98.3	200	2.93	
EXT DRO >C28-C36	34.4	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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Analytical Results For:

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

Received: 09/02/2022
 Reported: 09/09/2022
 Project Name: BIG WALT
 Project Number: 03B1417054
 Project Location: OXY - EDDY, CO.

Sampling Date: 09/02/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

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	
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*	57.6	10.0	09/07/2022	ND	197	98.3	200	2.93	
EXT DRO >C28-C36	16.2	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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Analytical Results For:

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

Received: 09/02/2022
 Reported: 09/09/2022
 Project Name: BIG WALT
 Project Number: 03B1417054
 Project Location: OXY - EDDY, CO.

Sampling Date: 09/02/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

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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Analytical Results For:

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

Received: 09/02/2022
 Reported: 09/09/2022
 Project Name: BIG WALT
 Project Number: 03B1417054
 Project Location: OXY - EDDY, CO.

Sampling Date: 09/02/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

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, 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	
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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Analytical Results For:

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

Received: 09/02/2022
 Reported: 09/09/2022
 Project Name: BIG WALT
 Project Number: 03B1417054
 Project Location: OXY - EDDY, CO.

Sampling Date: 09/02/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

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
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*	18.0	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 75.5 % 45.3-161

Surrogate: 1-Chlorooctadecane 89.9 % 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
 Reported: 09/09/2022
 Project Name: BIG WALT
 Project Number: 03B1417054
 Project Location: OXY - EDDY, CO.

Sampling Date: 09/02/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

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	
DRO >C10-C28*	22.7	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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Analytical Results For:

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

Received: 09/02/2022
 Reported: 09/09/2022
 Project Name: BIG WALT
 Project Number: 03B1417054
 Project Location: OXY - EDDY, CO.

Sampling Date: 09/02/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

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
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*	104	10.0	09/07/2022	ND	207	103	200	0.438	
EXT DRO >C28-C36	30.7	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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Analytical Results For:

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

Received: 09/02/2022
 Reported: 09/09/2022
 Project Name: BIG WALT
 Project Number: 03B1417054
 Project Location: OXY - EDDY, CO.

Sampling Date: 09/02/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

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



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
 Reported: 09/09/2022
 Project Name: BIG WALT
 Project Number: 03B1417054
 Project Location: OXY - EDDY, CO.

Sampling Date: 09/02/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

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, 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*	20.2	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
 Reported: 09/09/2022
 Project Name: BIG WALT
 Project Number: 03B1417054
 Project Location: OXY - EDDY, CO.

Sampling Date: 09/02/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

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
 Reported: 09/09/2022
 Project Name: BIG WALT
 Project Number: 03B1417054
 Project Location: OXY - EDDY, CO.

Sampling Date: 09/02/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

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	
DRO >C10-C28*	1770	10.0	09/07/2022	ND	207	103	200	0.438	
EXT DRO >C28-C36	593	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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Analytical Results For:

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

Received: 09/02/2022
Reported: 09/09/2022
Project Name: BIG WALT
Project Number: 03B1417054
Project Location: OXY - EDDY, CO.

Sampling Date: 09/02/2022
Sampling Type: Soil
Sampling Condition: ** (See Notes)
Sample Received By: Shalyn Rodriguez

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, 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	09/08/2022	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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Analytical Results For:

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

Received: 09/02/2022
 Reported: 09/09/2022
 Project Name: BIG WALT
 Project Number: 03B1417054
 Project Location: OXY - EDDY, CO.

Sampling Date: 09/02/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

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



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Analytical Results For:

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

Received: 09/02/2022
 Reported: 09/09/2022
 Project Name: BIG WALT
 Project Number: 03B1417054
 Project Location: OXY - EDDY, CO.

Sampling Date: 09/02/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: FS - 89 0.25-0.5" (H224051-88)

BTX 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 BTX	<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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Analytical Results For:

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

Received: 09/02/2022
 Reported: 09/09/2022
 Project Name: BIG WALT
 Project Number: 03B1417054
 Project Location: OXY - EDDY, CO.

Sampling Date: 09/02/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

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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Analytical Results For:

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

Received: 09/02/2022
 Reported: 09/09/2022
 Project Name: BIG WALT
 Project Number: 03B1417054
 Project Location: OXY - EDDY, CO.

Sampling Date: 09/02/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

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	
DRO >C10-C28*	45.6	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

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

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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A handwritten signature in black ink, appearing to read "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		P.O. #:			
Project Manager: Bruce Jennings		Company: Oxy USA, Inc.			
Address: 601 N. Marland St. STE 400		Attn: Wade Dittich			
City: Midland		State: TX Zip: 79701			
Phone #: 732 230 3344 Fax #:		Address:			
Project #: 0381417054 Project Owner: Oxy		City:			
Project Name: Big Water		State: Zip:			
Project Location: Eddy Co.		Phone #: 575-390-2828			
Sampler Name: SHANE DICER		Fax #:			

Lab I.D.	Sample I.D.	Sample Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	TPH	BTEX	Chlorides	Other	Other	
					GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER								ACID/BASE
1	FS-1	0-2.25	C	1	X							9-2-22	8:22	X	X	X		
2	FS-2	0-2.25	C	1	X							9-2-22	8:24	X	X	X		
3	FS-3	0-2.25	C	1	X							9-2-22	8:26	X	X	X		
4	FS-4	0-2.25	C	1	X							9-2-22	8:28	X	X	X		
5	FS-5	0-2.25	C	1	X							9-2-22	8:32	X	X	X		
6	FS-6	0-2.25	C	1	X							9-2-22	8:34	X	X	X		
7	FS-7	0-2.25	C	1	X							9-2-22	8:36	X	X	X		
8	FS-8	0-2.25	C	1	X							9-2-22	8:38	X	X	X		
9	FS-9	0-2.25	C	1	X							9-2-22	8:40	X	X	X		
10	FS-10	0-2.25	C	1	X							9-2-22	8:40	X	X	X		

Relinquished By: <i>SHANE DICER</i>	Date: 9-2-22	Time: 15:14	Received By: <i>Shadrighery</i>	Date: 9-2-22	Time: 15:14
Relinquished By:	Date:	Time:	Received By:	Date:	Time:

Delivered By: (Circle One)	Observed Temp. °C	Sample Condition	CHECKED BY: (Initials)
Sampler - UPS - Bus - Other:	Corrected Temp. °C	Cool Intact	
		Yes <input type="checkbox"/> No <input type="checkbox"/>	
		Yes <input type="checkbox"/> No <input type="checkbox"/>	

Turnaround Time:	Standard	Bacteria (only)	Sample Condition
Thermometer ID #113	Rush	Cool Intact	Observed Temp. °C
Correction Factor: -0.5°C		Yes <input type="checkbox"/> No <input type="checkbox"/>	Corrected Temp. °C
		Yes <input type="checkbox"/> No <input type="checkbox"/>	

Verbal Result: ☐ Yes ☐ No Add'l Phone #:

All Results are emailed. Please provide Email address: Blennings@ensolum.com

REMARKS:

Time
740
741
742
745
750
752
754
756
758
800



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(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Ensolum, LLC		BILL TO		ANALYSIS REQUEST	
Project Manager:		P.O. #:			
Address: 601 N. Marland St. STE 400		Company: Oxy USA, Inc.			
City: Midland		Attn: Wade Dittich			
State: TX Zip: 79701		Address:			
Phone #: 432 230 3344 Fax #:		City:			
Project #: 0381417054 Project Owner: Oxy		State: Zip:			
Project Location: Eddy Co.		Phone #: 575-390-2828			
Sampler Name: SHANE DICKE		Fax #:			
FOR LAB USE ONLY					
Lab I.D.	Sample I.D.	Sample Depth	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX
					GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER
					ACID/BASE: ICE / COOL OTHER
					PRESERV.
					SAMPLING
					DATE TIME
13A4051	FS-11	0-25	C	1	9-2-22 844
13	FS-12	0-25	C	1	9-2-22 852
13	FS-13	0-25	C	1	9-2-22 809
14	FS-14	0-25	C	1	9-2-22 811
15	FS-15	0-25	C	1	9-2-22 813
16	FS-16	0-25	C	1	9-2-22 815
17	FS-17	0-25	C	1	9-2-22 817
18	FS-18	0-25	C	1	9-2-22 818
19	FS-19	0-25	C	1	9-2-22 819
20	FS-20	0-25	C	1	9-2-22 820
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Relinquished By: <i>[Signature]</i> Date: 9-2-22 Time: 104 Received By: <i>[Signature]</i> Date: 9-2-22 Time: 104					
Delivered By: (Circle One) Observed Temp.: 30.7 Sample Condition: <input checked="" type="checkbox"/> Cool <input type="checkbox"/> Intact Checked By: <i>[Signature]</i> Turnaround Time: Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/> Bacteria (only): <input type="checkbox"/> Sample Condition: <input type="checkbox"/> Observed Temp.: Corrected Temp.: Thermometer ID #113 Correction Factor: -0.5C Corrected Temp.: Turnaround Time: Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/> Bacteria (only): <input type="checkbox"/> Sample Condition: <input type="checkbox"/> Observed Temp.: Corrected Temp.:					
Remarks: Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #: All Results are emailed. Please provide Email address: Remarks:					



ANALYSIS REQUEST

[illegible]

Verbal Res	
All Results	
Blenning	
REMARKS	

Observed Temp. °C

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



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

BILL TO

ANALYSIS REQUEST

Company Name: Ensolum, LLC
Project Manager: P.O. #:
Address: 601 N. Marland St. STE 400 Company: Oxy USA, Inc.
City: Midland State: TX Zip: 79701 Attn: Wade Dittich
Phone #: 732 230 3344 Fax #: Address:
Project #: 0381417054 Project Owner: Oxy
Project Name: Big Water City:
Project Location: Eddy Co. State: Zip:
Sample Name: SHANE DICKE Phone #: 575-390-2828
FOR LAB USE ONLY Fax #:

Address: 601 N. Martenfield St. STE 400		Company: Oxy USA, Inc.	
City: Midland	State: TX	Zip: 79701	Attn: Wade Dittich
Phone #: 732 230 7344	Fax #:	Address:	
Project #: 0381417054	Project Owner: Oxy	City:	
Project Name: B. J. Wall	State:	Zip:	
Project Location: Eddy Co.	Phone #: 575-390-2828		
Sampler Name: SHANE DICKEY	Fax #:		
FOR LAB USE ONLY			
Lab I.D.	Sample I.D.	Sample Depth (feet) IN	(G)RAB OR (C)OMP.
			# CONTAINERS
			GROUNDWATER
			WASTEWATER
			SOIL
			OIL
			SLUDGE
			OTHER :
			ACID/BASE:
			ICE / COOL
			OTHER :
		DATE	TIME
1624051	FS-31	0-0.25	C
31	FS-32	0-0.25	C
33	FS-33	0-0.25	C
34	FS-34	0-0.25	C
35	FS-35	0-0.25	C
36	FS-36	0-0.25	C
37	FS-37	0-0.25	C
38	FS-38	0-0.25	C
39	FS-39	0-0.25	C
40	FS-40	0-0.25	C
			</

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Relinquished By: Date: 9-2-22 Time: 1514 Received By: Shadriney

Relinquished By: Date: 9-2-22 Time: 1514 Received By: Shadriney

Delivered By: (Circle One) Observed Temp.: 30.7°C Sample Condition: Cool Intact Checked By: (Initials) B. Jennings

Sampler - UPS - Bus - Other: Corrected Temp.: 30.1°C Cool Intact Yes No

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



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Ensolum, LLC

Project Manager:

Address: 601 N. Marland St. STE 400

City: Midland

State: TX Zip: 79701

Phone #: 432 230 3344 Fax #:

Project #: 0381417054 Project Owner: Oxy

Project Name: Big Water

Project Location: Eddy Co.

Sampler Name: SHANE DICER

FOR LAB USE ONLY

BILL TO

ANALYSIS REQUEST

P.O. #:

Company: Oxy USA, Inc.

Attn: Wade Dittich

Address:

City:

State: Zip:

Phone #: 575-390-2828

Fax #:

PRESERV

SAMPLING

Lab I.D. Sample I.D.

Sample Depth
in

(G)RAB OR (C)OMP

CONTAINERS

GROUNDWATER

WASTEWATER

SOIL

OIL

SLUDGE

OTHER:

ACID/BASE:

ICE / COOL

OTHER:

DATE

TIME

TPH 8015 M

BTEX 80216

Chlorides 4500

X

X

X

X

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X

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X

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Relinquished By: *Shane Dicer* Date: 9-22-20 Time: 1514 Received By: *Spodrigue* Date: 9-22-20 Time: 1514

Verbal Result: ☐ Yes ☐ No Add'l Phone #:

All Results are emailed. Please provide Email address:

B.lennings@ensolum.com

REMARKS:

Delivered By: (Circle One)

Sampler - UPS - Bus - Other:

Observed Temp: 30.7°C

Corrected Temp: 30.1°C

Sample Condition

Cool Intact

Yes Yes

No No

Turnaround Time:

Standard

Kush

Bacteria (only)

Cool Intact

Yes Yes

No No

Sample Condition

Observed Temp. °C

Corrected Temp. °C

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Ensolum LLC		BILL TO		ANALYSIS REQUEST												
Project Manager:		P.O. #:														
Address: 601 N. Marland St. STE 400		Company: Oxy USA, Inc.														
City: Midland		Attn: Wade Dittich														
State: TX		Address:														
Zip: 79701		City:														
Project #: 432 230 3344 Fax #:		State:														
Project #: 0381417054 Project Owner: OXY		Zip:														
Project Name: B.g. Wells		Phone #:														
Project Location: Eddy Co		Fax #:														
Sampler Name: SHANE DICKE																
FOR LAB USE ONLY																
Lab I.D.	Sample I.D.	Sample Depth feet in	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX					PRESERV.	SAMPLING					
					GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :			
4024051	F5-62	1.25-.5		C										TPH 8015	BTEX 80216	Chlorides 4500
401	F5-63	1.25-.5		C												
402	F5-64	1.25-.5		C												
403	F5-65	1.25-.5		C												
404	F5-66	1.25-.5		C												
405	F5-67	1.25-.5		C												
406	F5-68	1.25-.5		C												
407	F5-69	1.25-.5		C												
408	F5-70	1.25-.5		C												
409	F5-71	1.25-.5		C												
50																
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Relinquished By: <i>Shane Dicke</i>		Date: 4-2-22		Received By: <i>Shane Dicke</i>		Date: 4-2-22		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Add'l Phone #:								
Relinquished By: <i>Shane Dicke</i>		Time: 1514		Received By: <i>Shane Dicke</i>		Time: 1514		All Results are emailed. Please provide Email address: Blennings@ensolum.com								
Delivered By: (Circle One) Sampler - UPS - Bus - Other:		Observed Temp.: 30.7 Corrected Temp.: 30.1		Sample Condition Cool Intact: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Bacteria (only) Sample Condition: <input checked="" type="checkbox"/> Bacteria (only) <input type="checkbox"/> Cool Intact		CHECKED BY: (Initials) <i>SD</i>		Turnaround Time: Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/> Bacteria (only) Sample Condition: <input checked="" type="checkbox"/> Bacteria (only) <input type="checkbox"/> Cool Intact								
FORM 006 R-3-2-1001/21		† Cardinal cannot accept verbal changes. Please email changes to coley.keene@cardinallabsnm.com		Thermometer ID #13		Correction Factor: -0.40		Corrected Temp.: 30.5								



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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. Marlenfeld St. STE 400		Attn: Wade Dittich	
City: Midland State: TX Zip: 79701		Address:	
Phone #: 432 230 3344 Fax #:		City:	
Project #: 0381417054 Project Owner: OKY		State: Zip:	
Project Name: B. G. Wells		Phone #: 575-390-2828	
Project Location: Eddy Co		Fax #:	
Sampler Name: SHANE DICKEY		DATE	
FOR LAB USE ONLY		TIME	
Lab I.D.	Sample I.D.	Sample Depth (feet)	(G)RAB OR (C)OMP.
1024051	FS-92	.25-.5	# CONTAINERS
72	FS-93	.25-.5	GROUNDWATER
73	FS-94	.25-.5	WASTEWATER
74	FS-95	.25-.5	SOIL
75	FS-96	.25-.5	OIL
76	FS-97	.25-.5	SLUDGE
77	FS-98	.25-.5	OTHER:
78	FS-99	.25-.5	ACID/BASE:
79	FS-90	.25-.5	ICE / COOL
80	FS-81	.25-.5	OTHER:
		DATE	TIME
		9-2-22	1024
		9-2-22	1026
		9-2-22	1027
		9-2-22	1028
		9-2-22	1029
		9-2-22	1030
		9-2-22	1032
		9-2-22	1034
		9-2-22	1036
		9-2-22	1038
		TPH 8015	
		BTEX 80216	
		Chlorides 4500	
Relinquished By: [Signature]		Turnaround Time: Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/>	
Date: 9-3-22		Thermometer ID #113	
Time: 1514		Corrected Temp: 0.10°C	
Received By: [Signature]		Bacteria (only) <input checked="" type="checkbox"/>	
Date: 9-3-22		Cool Intact <input checked="" type="checkbox"/>	
Time: 1514		Observed Temp. °C	
Corrected Temp. °C		Corrected Temp. °C	
Remarks: B Jennings@ensolum.com			



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

BILL TO

ANALYSIS REQUEST

Company Name: Ensolum, LLC
Project Manager: P.O. #:
Address: 601 N. Marland St. STE 400
City: Midland State: TX Zip: 79701
Phone #: 432 230 3344 Fax #: 432 230 3344
Project #: 0381417054 Project Owner: OXY
Project Name: B. G. Wells
Project Location: Eddy Co
Sample Name: SHANE DICKER
Fax #:

Company: Oxy USA, Inc.
Attn: Wade Dittich
Address:
City:
State: Zip:
Phone #: 575-390-2828

FOR LAB USE ONLY
Lab I.D. Sample I.D. Sample Depth (ft)
CONTAINERS
GROUNDWATER
WASTEWATER
SOIL
OIL
SLUDGE
OTHER:
ACID/BASE:
ICE / COOL
OTHER:
DATE
TIME
TPH 8015
BTEX 80216
Chlorides 4500

Lab I.D.	Sample I.D.	Sample Depth (ft)	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME	TPH 8015	BTEX 80216	Chlorides 4500
HB34051	FS-82	1.25-.5		C			X							9-2-22	1040	X	X	X
83	FS-85	1.25-.5		C			X							9-2-22	1042	X	X	X
83	FS-84	1.25-.5		C			X							9-2-22	1044	X	X	X
84	FS-85	1.25-.5		C			X							9-2-22	1046	X	X	X
85	FS-86	1.25-.5		C			X							9-2-22	1048	X	X	X
86	FS-87	1.25-.5		C			X							9-2-22	1050	X	X	X
87	FS-88	1.25-.5		C			X							9-2-22	1052	X	X	X
88	FS-89	1.25-.5		C			X							9-2-22	1054	X	X	X
89	FS-90	1.25-.5		C			X							9-2-22	1056	X	X	X
90	FS-91	1.25-.5		C			X							9-2-22	1058	X	X	X

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Relinquished By: [Signature] Date: 11/11/23 Time: 1:16 PM Received By: [Signature] Date: 11/11/23 Time: 1:16 PM

Relinquished By: [Signature] Date: 11/11/23 Time: 1:16 PM Received By: [Signature] Date: 11/11/23 Time: 1:16 PM

Delivered By: (Circle One) Observed Temp: 30.7°C Corrected Temp: 30.1°C Sample Condition: Cool Intact Yes No Checked BY: (Initials)

Sampler - UPS - Bus - Other: Corrected Temp: 30.1°C Sample Condition: Cool Intact Yes No Checked BY: (Initials)

Turnaround Time: 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

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.

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



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 - 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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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 - 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.

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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	
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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

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	2090606	MS	07-Sep-22	8015B	
DRO >C10-C28*	35.6		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

Surrogate: 1-Chlorooctadecane 93.1 % 46.3-178 2090606 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

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-Cl-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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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 - 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-Cl-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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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 - 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**

Chloride	32.0		16.0	mg/kg	4	2090714	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	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			71.6 %	45.3-161		2090606	MS	07-Sep-22	8015B	
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Surrogate: 1-Chlorooctadecane			77.8 %	46.3-178		2090606	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

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-Cl-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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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 - 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-Cl-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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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 - 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-Cl-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*	101		10.0	mg/kg	1	2090606	MS	07-Sep-22	8015B	
EXT DRO >C28-C36	24.8		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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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 - 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**

Chloride	32.0		16.0	mg/kg	4	2090718	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	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)			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	
DRO >C10-C28*	25.1		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			84.8 %	45.3-161		2090606	MS	07-Sep-22	8015B	
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Surrogate: 1-Chlorooctadecane			93.8 %	46.3-178		2090606	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 - 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**

Chloride	32.0		16.0	mg/kg	4	2090718	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	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	
DRO >C10-C28*	54.5		10.0	mg/kg	1	2090606	MS	07-Sep-22	8015B	
EXT DRO >C28-C36	15.2		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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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 - 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**

Chloride	32.0		16.0	mg/kg	4	2090718	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	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	2090607	MS	07-Sep-22	8015B	
DRO >C10-C28*	24.0		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			88.4 %	45.3-161		2090607	MS	07-Sep-22	8015B	
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Surrogate: 1-Chlorooctadecane			101 %	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 - 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**

Chloride	48.0		16.0	mg/kg	4	2090718	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	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	
DRO >C10-C28*	110		10.0	mg/kg	1	2090607	MS	07-Sep-22	8015B	
EXT DRO >C28-C36	26.7		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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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 - 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-Cl-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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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 - 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-Cl-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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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 - 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-Cl-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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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 - 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**

Chloride	48.0		16.0	mg/kg	4	2090718	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	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	67.2 %	45.3-161	2090607	MS	07-Sep-22	8015B	
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Surrogate: 1-Chlorooctadecane	76.5 %	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 - 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-Cl-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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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 - 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**

Chloride	32.0		16.0	mg/kg	4	2090718	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	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			71.2 %	45.3-161		2090607	MS	07-Sep-22	8015B	
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Surrogate: 1-Chlorooctadecane			79.1 %	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

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**

Chloride	16.0		16.0	mg/kg	4	2090718	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	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	
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		69.7 %		45.3-161		2090607	MS	07-Sep-22	8015B	
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Surrogate: 1-Chlorooctadecane		79.0 %		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

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-Cl-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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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 - 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-Cl-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	

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	
Surrogate: 1-Chlorooctadecane			57.1 %	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

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-Cl-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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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 - 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-Cl-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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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 - 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-Cl-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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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 - 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**

Chloride	48.0		16.0	mg/kg	4	2090718	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	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			74.3 %		45.3-161	2090607	MS	07-Sep-22	8015B	
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Surrogate: 1-Chlorooctadecane			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-Cl-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



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 - 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-Cl-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



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 - 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**

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	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)			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	

Surrogate: 1-Chlorooctane			73.1 %	45.3-161		2090607	MS	07-Sep-22	8015B	
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Surrogate: 1-Chlorooctadecane			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

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**

Chloride	32.0		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	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		62.8 %		45.3-161		2090607	MS	07-Sep-22	8015B	
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Surrogate: 1-Chlorooctadecane		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

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**

Chloride	32.0		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	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		76.7 %		45.3-161		2090607	MS	07-Sep-22	8015B	
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Surrogate: 1-Chlorooctadecane		85.6 %		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 - 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**

Chloride	32.0		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	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	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			80.3 %	45.3-161		2090618	MS	07-Sep-22	8015B	
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Surrogate: 1-Chlorooctadecane			83.0 %	46.3-178		2090618	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 - 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**

Chloride	32.0		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)			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			74.8 %	45.3-161		2090618	MS	07-Sep-22	8015B	
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Surrogate: 1-Chlorooctadecane			77.6 %	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

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**

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)			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	

Surrogate: 1-Chlorooctane			76.2 %	45.3-161		2090618	MS	07-Sep-22	8015B	
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Surrogate: 1-Chlorooctadecane			79.2 %	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

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**

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	

<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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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 - 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-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)			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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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 - 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**

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)			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	

Surrogate: 1-Chlorooctane			78.1 %	45.3-161		2090618	MS	07-Sep-22	8015B	
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Surrogate: 1-Chlorooctadecane			78.3 %	46.3-178		2090618	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 - 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

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-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			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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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 - 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-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)			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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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 - 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-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)			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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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 - 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-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)			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*	188		10.0	mg/kg	1	2090618	MS	07-Sep-22	8015B	
EXT DRO >C28-C36	47.5		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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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 - 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**

Chloride	32.0		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	81.7 %	45.3-161	2090618	MS	07-Sep-22	8015B	
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Surrogate: 1-Chlorooctadecane	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

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**

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)			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			77.8 %	45.3-161		2090618	MS	07-Sep-22	8015B	
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Surrogate: 1-Chlorooctadecane			79.9 %	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

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**

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)			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			81.8 %	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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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 - 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-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)			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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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 - 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-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)			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*	32.1		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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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 - 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-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)			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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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 - 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-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)			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

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-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)			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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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 - 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-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)			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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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 - 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-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)			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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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 - 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-Cl-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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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 - 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-Cl-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

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-Cl-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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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 - 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**

Chloride	16.0		16.0	mg/kg	4	2090720	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	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*	<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			78.7 %	45.3-161		2090619	MS	07-Sep-22	8015B	
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Surrogate: 1-Chlorooctadecane			81.1 %	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

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-Cl-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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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 - 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**

Chloride	48.0		16.0	mg/kg	4	2090720	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	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*	21.5		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			104 %	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

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-Cl-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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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 - 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-Cl-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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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 - 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-Cl-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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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 - 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-Cl-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

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-Cl-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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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 - 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-Cl-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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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 - 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-Cl-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

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-Cl-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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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 - 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-Cl-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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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 - 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-Cl-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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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 - 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-Cl-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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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 - 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-Cl-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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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 - 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-Cl-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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Cardinal Laboratories

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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 - 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-Cl-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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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 - 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-Cl-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

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**

Chloride	16.0		16.0	mg/kg	4	2090721	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	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			75.3 %	45.3-161		2090620	MS	07-Sep-22	8015B	
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Surrogate: 1-Chlorooctadecane			85.5 %	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

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-Cl-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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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 - 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-Cl-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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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 - 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-Cl-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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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

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**Blank (2090714-BLK1)**

Prepared & Analyzed: 07-Sep-22

Chloride	ND	16.0	mg/kg
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LCS (2090714-BS1)

Prepared & Analyzed: 07-Sep-22

Chloride	432	16.0	mg/kg	400	108	80-120
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LCS Dup (2090714-BSD1)

Prepared & Analyzed: 07-Sep-22

Chloride	416	16.0	mg/kg	400	104	80-120	3.77	20
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Batch 2090718 - 1:4 DI Water**Blank (2090718-BLK1)**

Prepared & Analyzed: 07-Sep-22

Chloride	ND	16.0	mg/kg
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LCS (2090718-BS1)

Prepared & Analyzed: 07-Sep-22

Chloride	416	16.0	mg/kg	400	104	80-120
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LCS Dup (2090718-BSD1)

Prepared & Analyzed: 07-Sep-22

Chloride	416	16.0	mg/kg	400	104	80-120	0.00	20
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Batch 2090719 - 1:4 DI Water**Blank (2090719-BLK1)**

Prepared & Analyzed: 07-Sep-22

Chloride	ND	16.0	mg/kg
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LCS (2090719-BS1)

Prepared & Analyzed: 07-Sep-22

Chloride	432	16.0	mg/kg	400	108	80-120
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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

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**LCS Dup (2090719-BSD1)**

Prepared & Analyzed: 07-Sep-22

Chloride	432	16.0	mg/kg	400		108	80-120	0.00	20	
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Batch 2090720 - 1:4 DI Water**Blank (2090720-BLK1)**

Prepared & Analyzed: 07-Sep-22

Chloride	ND	16.0	mg/kg							
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LCS (2090720-BS1)

Prepared & Analyzed: 07-Sep-22

Chloride	432	16.0	mg/kg	400		108	80-120			
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LCS Dup (2090720-BSD1)

Prepared & Analyzed: 07-Sep-22

Chloride	432	16.0	mg/kg	400		108	80-120	0.00	20	
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Batch 2090721 - 1:4 DI Water**Blank (2090721-BLK1)**

Prepared & Analyzed: 07-Sep-22

Chloride	ND	16.0	mg/kg							
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LCS (2090721-BS1)

Prepared & Analyzed: 07-Sep-22

Chloride	400	16.0	mg/kg	400		100	80-120			
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LCS Dup (2090721-BSD1)

Prepared & Analyzed: 07-Sep-22

Chloride	416	16.0	mg/kg	400		104	80-120	3.92	20	
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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 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-BSD1)

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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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 & 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

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

LCS Dup (2090707-BS1)

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

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

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			

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

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**Blank (2090606-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	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			

LCS (2090606-BS1)

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			

LCS Dup (2090606-BS1)

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**Blank (2090607-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	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

Petroleum Hydrocarbons by GC FID - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
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Batch 2090607 - General Prep - Organics**LCS (2090607-BS1)**

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		

LCS Dup (2090607-BSD1)

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**Blank (2090618-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	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		

LCS (2090618-BS1)

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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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

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**LCS Dup (2090618-BSD1)**

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**Blank (2090619-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	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			

LCS (2090619-BS1)

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			

LCS Dup (2090619-BSD1)

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



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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

Petroleum Hydrocarbons by GC FID - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%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		

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Celey D. Keene, Lab Director/Quality Manager



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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, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Ensolum, LLC		P.O. #:		BILL TO		ANALYSIS REQUEST												
Project Manager:		Company: Oxy USA, Inc.																
Address: 601 N. Marland St. STE 400		Attn: Wade Dittich																
City: Midland		State: TX Zip: 79701																
Phone #: 432 230 3344 Fax #:		Address:																
Project #: 0381417054 Project Owner: OXY		City:																
Project Name: B. G. Wells		State: Zip:																
Project Location: Eddy Co		Phone #: 575-390-2828																
Sample Name: SHANE DILLER		Fax #:																
FOR LAB USE ONLY		PRESERV		SAMPLING														
Lab I.D.	Sample I.D.	Sample Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER	ACID/BASE	ICE / COOL	OTHER	DATE	TIME	TPH 8015	BTEX 80216	Chlorides 4500
FS-92	FS-92	25-.5		X										9-2-22	1100	X	X	X
FS-93	FS-93	25-.5		X										9-2-22	1102	X	X	X
FS-94	FS-94	25-.5		X										9-2-22	1104	X	X	X
FS-95	FS-95	25-.5		X										9-2-22	1106	X	X	X
FS-96	FS-96	25-.5		X										9-2-22	1108	X	X	X
FS-97	FS-97	25-.5		X										9-2-22	1110	X	X	X
FS-98	FS-98	25-.5		X										9-2-22	1112	X	X	X
FS-99	FS-99	25-.5		X										9-2-22	1114	X	X	X
FS-100	FS-100	25-.5		X										9-2-22	1116	X	X	X
FS-101	FS-101	25-.5		X										9-2-22	1118	X	X	X

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Relinquished By: SHANE DILLER Date: 9/2/22 Time: 1514
Received By: Wade Dittich Date: 9/2/22 Time: 1514
Relinquished By: _____ Date: _____ Time: _____
Received By: _____ Date: _____ Time: _____

Delivered By: (Circle One) ☒ UPS ☐ Bus ☐ Other: _____
Observed Temp: 30.7° Corrected Temp: 30.0° Sample Condition: ☒ Cool ☐ Intact ☐ Yes ☐ No ☐ Yes ☐ No
CHECKED BY: Wade Dittich (initials)
Turnaround Time: _____ Standard ☒ Rush ☐ Add'l Phone #: _____
Thermometer ID #113 Correction Factor: -0.11° Bacteria (only) Sample Condition: ☐ Cool ☐ Intact ☐ Yes ☐ No ☐ Yes ☐ No
Observed Temp. °C _____ Corrected Temp. °C _____

REMARKS: _____
All Results are emailed. Please provide Email address: Buenings@ensolum.com

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



ANALYSIS REQUEST

FOR LAB USE ONLY							
Lab I.D.	Sample I.D.	Sample Depth ft/in	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX	PRESERVATION	SAMPLING TIME
					<input type="checkbox"/> GROUNDWATER <input type="checkbox"/> WASTEWATER <input type="checkbox"/> SOIL <input type="checkbox"/> OIL <input type="checkbox"/> SLUDGE <input type="checkbox"/> OTHER :	<input type="checkbox"/> ACID/BASE: <input type="checkbox"/> ICE / COOL <input type="checkbox"/> OTHER :	DATE TIME
F004650							
11	FS-102	.25-.5'	C	X			9-2-22 1120 X X X
12	FS-103	.25-.5'	C	X			9-2-22 1122 X X X
13	FS-104	.25-.5'	C	X			9-2-22 1124 X X X
14	FS-105	.25-.5'	C	X			9-2-22 1126 X X X
15	FS-106	.25-.5'	C	X			9-2-22 1128 X X X
16	FS-107	.25-.5'	C	X			9-2-22 1130 X X C
17	FS-108	.25-.5'	C	X			9-2-22 1131 X X X
18	FS-109	.25-.5'	C	X			9-2-22 1132 X X X
19	FS-110	.25-.5'	C	X			9-2-22 1133 X X X
20	FS-111	.25-.5'	C	X			9-2-22 1134 X X X

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12 or

Page 94 of 99



ANALYSIS REQUEST

13 of 19



14 of

Page 96 of 99



15 Oct

Page 97 of 99



ANALYSIS REQUEST

Company Name: Ensolum, LLC Project Manager: Address: 601 N. Marientfield St. STE 400 City: Midland State: TX Zip: 79701 Phone #: 432 230 3344 Fax #: Project #: 0331417054 Project Owner: Oxy Project Name: B.g. Well Project Location: Eddy Co Sampler Name: SHANE DICKEY FOR LAB USE ONLY				BILL TO P.O. #: Company: Oxy USA, Inc. Attn: Wade Dittich Address: City: State: Zip: Phone #: 575-390-2828 Fax #:				ANALYSIS REQUEST									
Lab I.D.		Sample I.D.		Sample Depth feet in		(G)RAB OR (C)OMP.		# CONTAINERS		GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER:		ACID/BASE: ICE / COOL OTHER:		DATE TIME		TPH 8015 BTEX 80216 Chlo., des 4500	
1034039 U1		FS-152		25.5		C		1		X		9-2-22 1211		X		X	
U2		FS-153		25.5		C		X		X		9-2-22 1213		X		X	
U3		FS-154		25.5		C		X		X		9-2-22 1214		X		X	
U4		FS-155		25.5		C		X		X		9-2-22 1215		X		X	
U5		FS-156		25.5		C		X		X		9-2-22 1216		X		X	
U6		FS-157		25.5		C		X		X		9-2-22 1217		X		X	
U7		FS-158		25.5		C		X		X		9-2-22 1218		X		X	
U8		FS-159		25.5		C		X		X		9-2-22 1219		X		X	
U9		FS-160		25.5		C		X		X		9-2-22 1220		X		X	
70		FS-161		25.5		C		X		X		9-2-22 1220		X		X	

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Relinquished By: <i>SHANE DICKEY</i> Date: 9-2-22 Time: 154		Received By: <i>Shadrach</i> Date: 9-2-22 Time: 154	
Relinquished By:		Received By:	

Turnaround Time: Standard ☒ Rush ☐ Bacteria (only) ☒ Sample Condition ☒ Observed Temp. °C ☐ Corrected Temp. °C

Thermometer ID #113 *0.00* **Correction Factor** *0.00*

Remarks: All Results are emailed. Please provide Email address: *blennings@ensolum.com*



ANALYSIS REQUEST

[illegible]

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

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.

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: 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 - 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					
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					
Surrogate: 1-Chlorooctane	100 %	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: 09/29/2022
 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 - 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					
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					
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



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
 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 - 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					
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					
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



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
 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 - 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					
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					
Surrogate: 1-Chlorooctane	105 %	45.3-161							
Surrogate: 1-Chlorooctadecane	124 %	46.3-178							

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Analytical Results For:

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

Received: 09/29/2022
 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 - 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					
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					
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



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
 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	
DRO >C10-C28*	70.3	10.0	10/01/2022	ND	211	106	200	0.437	
EXT DRO >C28-C36	16.5	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					
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	
DRO >C10-C28*	104	10.0	10/01/2022	ND	211	106	200	0.437	
EXT DRO >C28-C36	34.8	10.0	10/01/2022	ND					
Surrogate: 1-Chlorooctane	139 %	45.3-161							
Surrogate: 1-Chlorooctadecane	182 %	46.3-178							

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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

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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: <u>Engel, LLC</u>		BILL TO		ANALYSIS REQUEST	
Project Manager: <u>Bruce Jennings</u>		P.O. #:			
Address: <u>601 N Marland St Suite 400</u>		Company: <u>Oxy USA, Inc</u>			
City: <u>Midland</u> State: <u>TX</u> Zip: <u>79701</u>		Attn: <u>Wade Dittich</u>			
Phone #: <u>432 230 3344</u> Fax #: <u></u>		Address:			
Project #: <u>03B1417054</u> Project Owner: <u>Oxy</u>		City:			
Project Name: <u>Big Well</u>		State:			
Project Location: <u>Eddy County</u>		Zip:			
Sample Name: <u>Samatha Haskins</u>		Phone #: <u>575-390-2828</u>			
FOR LAB USE ONLY		Fax #:			
Lab I.D. <u>H2245-40</u>		Sample I.D. <u>Depth</u>			
1 FS-4 1' C 1 (G)RAB OR (C)OMP.		# CONTAINERS			
2 FS-5 1' C 1		GROUNDWATER			
3 FS-6 1' C 1		WASTEWATER			
4 FS-7 1' C 1		SOIL			
5 FS-9 2' C 1		OIL			
6 FS-10 1' C 1		SLUDGE			
7 FS-35 1' C 1		OTHER :			
8 FS-34 3' C 1		ACID/BASE:			
9 FS-75 3' C 1		ICE / COOL			
10 FS-82 3' C 1		OTHER :			
		DATE		TIME	
		9/26/12		1111	
		9/26/12		1116	
		9/26/12		1120	
		9/26/12		1128	
		9/26/12		1130	
		9/26/12		1132	
		9/26/12		1138	
		9/26/12		1150	
		9/26/12		1202	
		9/26/12		1204	
		TPH		8015 M	
		LFE		9/26/12	
		Sam			
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Relinquished By: <u>Sam</u>		Date: <u>9/26/12</u> Time: <u>153</u>		Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No	
Relinquished By: <u>Sam</u>		Date: <u>9/26/12</u> Time: <u>153</u>		Observed Temp. °C <u>0.0</u>	
Delivered By: (Circle One) <u>UPS</u>		Observed Temp. °C <u>0.0</u>		Corrected Temp. °C <u>0.0</u>	
Sampler - UPS - Bus - Other:		Corrected Temp. °C <u>0.0</u>		Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No	
FORM-006 R 5.2 10/07/12		Checked By: <u>Sam</u>		Thermometer ID #113	
		Received By: <u>Sam</u>		Correction Factor -0.5°C	
		Remarks:		Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/>	
		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Phone #:	
		All Results are emailed. Please provide Email address:			

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



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

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.

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, flowing 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: 10/21/2022
 Reported: 10/27/2022
 Project Name: BIG WALT
 Project Number: 03B1417054
 Project Location: OXY - EDDY, CO.

Sampling Date: 10/21/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

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					
Surrogate: 1-Chlorooctane	83.3 %	45.3-161							
Surrogate: 1-Chlorooctadecane	96.0 %	46.3-178							

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					
Surrogate: 1-Chlorooctane	71.0 %	45.3-161							
Surrogate: 1-Chlorooctadecane	84.0 %	46.3-178							

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 10/21/2022
 Reported: 10/27/2022
 Project Name: BIG WALT
 Project Number: 03B1417054
 Project Location: OXY - EDDY, CO.

Sampling Date: 10/21/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

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					
Surrogate: 1-Chlorooctane	66.2 %	45.3-161							
Surrogate: 1-Chlorooctadecane	77.6 %	46.3-178							

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					
Surrogate: 1-Chlorooctane	72.6 %	45.3-161							
Surrogate: 1-Chlorooctadecane	85.8 %	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: 10/21/2022
 Reported: 10/27/2022
 Project Name: BIG WALT
 Project Number: 03B1417054
 Project Location: OXY - EDDY, CO.

Sampling Date: 10/21/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

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					
Surrogate: 1-Chlorooctane	78.2 %	45.3-161							
Surrogate: 1-Chlorooctadecane	91.5 %	46.3-178							

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (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 the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

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

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (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 the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

A handwritten signature in black ink, appearing to read "C. D. Keene", is written over a horizontal line.

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

Company Name: Ensolum, LLC

Project Manager: Beaux Jennings

Address: 601 N Marlenfeld Street, Suite 400

City: Midland

State: TX Zip: 79701

Phone #: 210-219-8858

Fax #:

Project #: 03B1417054

Project Owner: Oxy USA Inc.

Project Name: Big Salt CTR

City: Midland

Project Location: Edley Co., New Mexico

Sample Name: Beaux Jennings

State: TX Zip: 79701

FOR LAB USE ONLY

Lab I.D.

Sample I.D.

Depth (feet)

(G)RAB OR (C)OMP.

CONTAINERS

GROUNDWATER

WASTEWATER

SOIL

OIL

SLUDGE

OTHER :

ACID/BASE:

ICE / COOL

OTHER :

DATE

TIME

TRK 8015M

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APPENDIX F

C-141

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.

Form C-141

Page 2

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?

☒ Yes ☐ 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 Beaird (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

- ☒ The source of the release has been stopped.
- ☒ The impacted area has been secured to protect human health and the environment.
- ☒ Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.
- ☒ All free liquids and recoverable materials have been removed and managed appropriately.

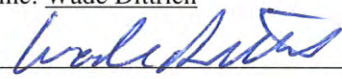
If all the actions described above have not been undertaken, explain why:

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: Wade Dittrich

Title: Environmental Specialist

Signature: 

Date: 1-4-23

email: wade_dittrich@oxy.com

Telephone: 575-390-2828

OCD Only

Received by: _____ Date: _____

State of New Mexico
Oil Conservation Division

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 not 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 ½-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.

Form C-141

Page 4

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: _____

email: wade_dittrich@oxy.com

Telephone: 575-390-2828

OCD Only

Received by: _____

Jocelyn Harimon

Date: _____

01/11/2023

State of New Mexico
Oil Conservation Division

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.

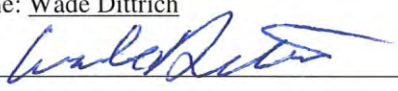
Closure Report Attachment Checklist: *Each of the following items must be included in the closure report.*

- ☒ 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