

VARIANCE REQUEST & CLOSURE REPORT

Property:

Harroun 15 #008

Unit F, Section 15, Township 24S, Range 29E Eddy County, New Mexico 32.321947° N, 103.97515° W NMOCD Incident ID: nMAP1826380135

> December 8, 2023 Ensolum Project No. 03B1417046

> > 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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VARIANCE REQUEST & CLOSURE REPORT

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Ensolum Project No. 03B1417046

1.0 INTRODUCTION

1.1 Executive Summary

- On August 29, 2018, a release of crude oil and produced water was reported from a water transfer line due to a failure in the line at the Harroun 15 #008, hereinafter referred to as the "Site". Approximately 10 barrels (bbls) of crude oil were released onto the ground surface with approximately 5 bbls recovered. Additionally, 20 barrels bbls of produced water were released onto the ground surface with approximately 15 bbls recovered. The release impacted an area approximately 150 feet long by 150 feet wide. The line was shut down and repaired and initial response actions were conducted at the Site.
- Initial soil delineation activities were conducted between September 17 and October 10, 2018 by BBC International Incorporated (BBC) on behalf of Oxy USA Inc. (Oxy). Based on soil delineation sample results, the vertical release extent in the vicinity of sample points SP-5 and SP-6 reached the initial groundwater-bearing unit (GWBU).
- In addition, BBC installed a soil boring (SB-1) to investigate the initial GWBU. Based on the groundwater sampling results, the chloride concentration was identified at 41,000 milligrams per liter (mg/L).
- Excavation activities were conducted based on visual evidence of impairment and laboratory analytical results. Between February 22 and June 13, 2023, Ensolum arrived on-Site and collected a total of 111 composite soil samples from 55 locations on the excavation floor (FS-1 through FS-55), and 42 composite soil samples from 23 locations on the excavation sidewalls (SW-1 through SW-23). The composite floor samples were collected from depths ranging from 8 to 16 feet below ground surface (bgs), and the composite sidewall samples were collected from depths ranging from 0 to 12 feet bgs.
- Based on the laboratory analytical results of the final soil samples, additional excavation is warranted. However, due to the location of the Site, additional excavation is not feasible. The Site is situated between overhead electric lines, multiple subsurface pipelines, and multiple above-ground high-pressure fiberglass flowlines. Expansion of the excavation would require it to be properly sloped and benched, prior to additional vertical excavation activities. Due to the elevated chloride concentrations in soils left in place, a liner was placed at approximately 12 feet bgs throughout the horizontal extent of the excavation prior to backfill activities.
- On October 3, 2023, Ensolum and Envirotech Drilling & Environmental Services (Envirotech) installed two background monitoring wells (BMW-1 and BMW-2) to gather background data for the initial GWBU. Background monitoring well BMW-1 had a chloride concentration of 5,510 mg/L and a total dissolve solids (TDS) concentration of 18,700 mg/L. Background monitoring well BMW-2 had a chloride concentration of 6,160 mg/L and a TDS concentration of 16,300 mg/L.



- The primary objective of the closure activities was to identify and reduce chemical of concern (COC) concentrations in the on-Site soils to below the applicable New Mexico Energy, Minerals and Natural Resources Department (EMNRD) Oil Conservation Division (OCD) Closure Criteria for Soils Impacted by a Release using the New Mexico Administrative Code (NMAC) 19.15.29 Releases as guidance.
- Subsequent to the results of the confirmation soil sampling, the excavated soils were removed and taken off-Site for proper disposal. A liner was placed in the bottom of the excavation and the area was backfilled with clean fill material, and then contoured to the original surrounding grade.

Based on the identified siting criteria, cleanup goals for soil remaining in place at the Site should be excluded from the NMOCD Closure Criteria. Based on the identified background TDS concentrations at the Site, the groundwater should be excluded from the NMWQCC Standards.

Based on the Site assessment activities, laboratory analytical results and existing Site conditions, Oxy is requesting a variance to leave chloride impacted soil in place from approximately 12 feet bgs to 25 feet bgs. Although chloride impacts remain in place at the Site, the groundwater sample results for the two background monitoring wells (BMW-1 and BMW-2) show chloride and TDS concentrations above the applicable NMWQCC Standards. In addition, the background TDS concentrations exceed the 10,000 mg/L limit as defined by NMAC 20.6.2.5301(D) ("ground water of the state of New Mexico" means, consistent with 20.6.2.5001 NMAC, an aquifer that contains ground water having a TDS concentration of 10,000 mg/l or less"); therefore, the NMWQCC Standards should not apply to the Site.

1.2 Site Description & Background

Operator:	Oxy USA Inc. (Oxy)
Site Name:	Harroun 15 #008
Location:	32. 21947 N, 103.97515 W Eddy County, New Mexico
Property:	Oxy USA Inc. (Private)
Regulatory:	New Mexico Energy, Minerals and Natural Resources Department (EMNRD) Oil Conservation Division (OCD)

The Topographic Map depicting the location of the Site is included as **Figure 1**, the Site Vicinity Map is included as **Figure 2**, the Site Map indicating the locations of composite soil samples is included as **Figure 3A/Figure 3B**, 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 identify and reduce COC concentrations in the on-Site soils to below the applicable New Mexico EMNRD OCD closure criteria concentrations.



2.0 CLOSURE CRITERIA

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

- The Site is not located within 300 feet of a New Mexico ENMRD OCD-defined continuously flowing watercourse or any other significant watercourse.
- The Site is not located within 200 feet of a lakebed, sinkhole, or playa lake.
- The Site is not located within 300 feet from an occupied permanent residence, school, hospital, institution, or church.
- According to the OSE WRSS database there are no private, domestic freshwater wells used by less than five (5) households for domestic or stock water purposes identified within 500 feet of the Site.
- According to the OSE WRSS database there are no freshwater wells identified within 1,000 feet of the Site as declared in the previous bullet.
- The Site is not located within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance adopted pursuant to NMSA 1978, Section 3-27-3.
- The Site is not located within 300 feet of a wetland.
- Based on information identified on the New Mexico Mining and Minerals Division's GIS, Maps and Mine Data database, the Site is not located within an area overlying a subsurface mine.
- Based on the Karst Occurrence Potential (.kmz) provided by the Bureau of Land Management (BLM), the Site is not located within an unstable area.
- The Site is noted to be located within a 100-year flood plain.
- Due to the lack of depth to groundwater information and water quality data available, two background monitoring wells (BMW-1 and BMW-2) were installed in the vicinity of the Site on October 3, 2023 by Ensolum and Envirotech. Each of the background monitoring wells were subsequently developed by Envirotech. Background monitoring well BMW-1 was installed 1,050 feet west of the Site and background monitoring well BMW-2 was installed 560 feet northwest of the Site. The depth to groundwater in the background monitoring wells was identified to be from 21.5 to 23.5 feet bgs. Ensolum returned on November 8, 2023 to conduct groundwater sampling. Background monitoring well BMW-1 had a chloride concentration of 5,510 mg/L and a TDS concentration of 18,700 mg/L. Background monitoring well BMW-2 had a chloride concentration of 6,160 mg/L and a TDS concentration of 16,300 mg/L.



Based on the identified siting criteria, cleanup goals for soils remaining in place at the Site should be excluded from the table below:

	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								
	Chloride	EPA 300.0 or SM4500 Cl B	600 mg/kg								
≤ 50 feet	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								

Based on the Site assessment activities, laboratory analytical results and existing Site conditions, Oxy is requesting a variance to leave chloride impacted soil in place from approximately 12 feet bgs to 25 feet bgs. Although chloride impacts remain in place at the Site, the groundwater sample results for the two background monitoring wells (BMW-1 and BMW-2) show chloride and TDS concentrations above the applicable NMWQCC Standards. In addition, the background TDS concentrations exceed the 10,000 mg/L limit as defined by NMAC 20.6.2.5301(D) ("ground water of the state of New Mexico" means, consistent with 20.6.2.5001 NMAC, an aquifer that contains ground water having a TDS concentration of 10,000 mg/l or less"); therefore, the NMWQCC Standards should not apply to the Site.

3.0 SOIL REMEDIATION ACTIVITIES

On August 29, 2018, a release of crude oil and produced water was reported from a water transfer line due to a failure in the line at the Harroun 15 #008. Approximately 10 bbls of crude oil were released onto the ground surface with approximately 5 bbls recovered. Additionally, 20 barrels bbls of produced water were released onto the ground surface with approximately 15 bbls recovered. The release impacted an area approximately 150 feet long by 150 feet wide. The line was shut down and repaired and initial response actions were conducted at the Site.

Initial soil delineation activities were conducted between September 17 and October 10, 2018 by BBC on behalf of Oxy. Based on soil delineation sample results, the vertical release extent in the vicinity of sample points SP-5 and SP-6 reached the initial GWBU.

In addition, BBC installed a soil boring (SB-1) to investigate the initial GWBU. Based on the groundwater sampling results, the chloride concentration was identified at 41,000 mg/L.

Excavation activities were conducted based on visual and laboratory evidence of impairment. Between February 22 and June 13, 2023, Ensolum arrived on-Site and collected a total of 111 composite soil samples from 55 locations on the excavation floor (FS-1 through FS-55), and 42 composite soil samples from 23 locations on the excavation sidewalls (SW-1 through SW-23). The composite floor samples were collected from depths ranging from 8 to 16 bgs, and the composite sidewall samples were collected from depths ranging from one to 0 to 12 feet bgs.



Due to the location of the Site, additional excavation is not feasible. The Site is situated between overhead electric lines, multiple subsurface pipelines, and multiple above-ground high-pressure fiberglass flowlines. Expansion of the excavation would require it to be properly sloped and benched, prior to additional vertical excavation activities. The final excavation area measured approximately 240 feet long by 130 feet wide at the maximum extent, with a depth of 12 feet bgs.

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

Figure 3A identifies approximate delineation soil sample locations and approximate dimensions of the impacted area with respect to the Site. **Figure 3B** identifies floor and sidewall 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 LABORATORY ANALYTICAL METHODS

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

The groundwater samples were analyzed for chloride utilizing EPA Method 4500-Cl B/300.0 and/or TDS utilizing EPA Standard Method 2540C.

The 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 and/or Eurofins Midland laboratory in Midland, TX for standard laboratory analysis.

Laboratory analytical results are summarized in **Table 1** and **Table 2** in **Appendix D**. The executed chain-of-custody forms and laboratory analytical reports are provided in **Appendix E**.

5.0 SOIL DATA EVALUATION

Ensolum compared the benzene, total BTEX, TPH GRO/DRO/MRO, and chloride concentrations associated with the soil samples collected from the delineation activities (SP 1 through SP 7 and SB 1), excavation floor (FS-1 through FS-55), excavation sidewalls (SW-1 through SW-23), and delineation area (NORTH, EAST, WEST and SOUTH) to the applicable New Mexico EMNRD OCD closure criteria.

- Final laboratory analytical results indicate benzene concentrations for the soil samples are below the laboratory sample detection limits (SDLs), which are below the applicable New Mexico EMNRD OCD closure criteria of 10 milligrams per kilogram (mg/kg).
- Final laboratory analytical results indicate that total BTEX concentrations for the soil samples below the laboratory SDLs, which are below the applicable New Mexico EMNRD OCD closure criteria of 50 mg/kg.
- Final laboratory analytical results indicate combined TPH GRO/DRO/MRO concentrations for the soil samples are below the laboratory SDLs, which area below the applicable New Mexico EMNRD OCD closure criteria of 100 mg/kg for groundwater from ≤ 50 feet, with one exception. Delineation soil sample SP 6 at 18 feet had a TPH GRO/DRO/MRO concentration of 156 mg/kg, which exceeds the NMOCD Closure Criteria of 100 mg/kg.



• Laboratory analytical results indicate chloride concentrations for the final composite soil samples are below the applicable New Mexico EMNRD OCD closure criteria of 600 mg/kg for groundwater from ≤ 50 feet, with exceptions. Delineation soil sample SP 5 (at 12 feet, 15 feet, and 18 feet bgs), delineation soil sample SP 6 (at 12 feet, 15 feet, and 18 feet bgs), delineation soil sample SB 1 (at 20 feet and 25 feet), sidewall (SW-4), and floor samples FS-2 through FS-13, FS-15 through FS-53 had chloride concentrations ranging from 656 mg/kg to 13,300 mg/kg, which exceed the NMOCD Closure Criteria of 600 mg/kg.

Based on the identified siting criteria, cleanup goals for soil remaining in place at the Site should be excluded from the NMOCD Closure Criteria.

6.0 GROUNDWATER DATA EVALUATION

Initial soil delineation activities were conducted between September 17 and October 10, 2018 by BBC on behalf of Oxy. Based on soil delineation sample results, the vertical release extent in the vicinity of sample points SP-5 and SP-6 reached the initial GWBU.

In addition, BBC installed a soil boring (SB-1) to investigate the initial GWBU. Based on the groundwater sampling results, the chloride concentration was identified at 41,000 mg/L.

Due to the lack of depth to groundwater information and water quality data available, two background monitoring wells (BMW-1 and BMW-2) were installed in the vicinity of the Site on October 3, 2023 by Ensolum and Envirotech. Each of the background monitoring wells were subsequently developed by Envirotech. Background monitoring well BMW-1 was installed 1,050 feet west of the Site and background monitoring well BMW-2 was installed 560 feet northwest of the Site. The depth to groundwater in the background monitoring wells was identified to be from 21.5 to 23.5 feet bgs. Ensolum returned on November 8, 2023 to conduct groundwater sampling. Background monitoring well BMW-1 had a chloride concentration of 5,510 mg/L and a TDS concentration of 18,700 mg/L. Background monitoring well BMW-2 had a chloride concentration of 6,160 mg/L and a TDS concentration of 16,300 mg/L.

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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. A liner was placed in the bottom of the excavation and the area was backfilled with clean fill material, and then contoured to the original surrounding grade.

8.0 FINDINGS AND RECOMMENDATION

On August 29, 2018, a release of crude oil and produced water was reported from a water transfer line due to a failure in the line at the Harroun 15 #008. Approximately 10 bbls of crude oil were released onto the ground surface with approximately 5 bbls recovered. Additionally, 20 barrels bbls of produced water were released onto the ground surface with approximately 15 bbls recovered. The release impacted an area approximately 150 feet long by 150 feet wide. The line was shut down and repaired and initial response actions were conducted at the Site.



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- On October 3, 2023, Ensolum and Envirotech Envirotech installed two background monitoring wells (BMW-1 and BMW-2) to gather background data for the initial GWBU. Background monitoring well BMW-1 had a chloride concentration of 5,510 mg/L and a TDS concentration of 18,700 mg/L. Background monitoring well BMW-2 had a chloride concentration of 6,160 mg/L and a TDS concentration of 16,300 mg/L.
- The primary objective of the closure activities was to identify and reduce COC concentrations in the on-Site soils to below the applicable New Mexico EMNRD OCD Closure Criteria for Soils Impacted by a Release using the NMAC 19.15.29 Releases as guidance.
- Subsequent to the results of the confirmation soil sampling, the excavated soils were removed and taken off-Site for proper disposal. A liner was placed in the bottom of the excavation and the area was backfilled with clean fill material, and then contoured to the original surrounding grade.

Based on the identified siting criteria, cleanup goals for soils remaining in place at the Site should be excluded from the NMOCD Closure Criteria. Based on the identified background TDS concentrations at the Site, the groundwater should be excluded from the NMWQCC Standards.

Based on the Site assessment activities, laboratory analytical results and existing Site conditions, Oxy is requesting a variance to leave chloride impacted soil in place from approximately 12 feet bgs to 25 feet bgs. Although chloride impacts remain in place at the Site, the groundwater sample results for the two background monitoring wells (BMW-1 and BMW-2) show chloride and TDS concentrations above the applicable NMWQCC Standards. In addition, the background TDS concentrations exceed the 10,000 mg/L limit as defined by NMAC 20.6.2.5301(D) ("ground water of the state of New Mexico" means, consistent with 20.6.2.5001 NMAC, an aquifer that contains ground water having a TDS concentration of 10,000 mg/l or less"); therefore, the NMWQCC Standards should not apply to the Site.



9.0 STANDARDS OF CARE, LIMITATIONS, AND RELIANCE

9.1 Standard of Care

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

9.2 Limitations

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

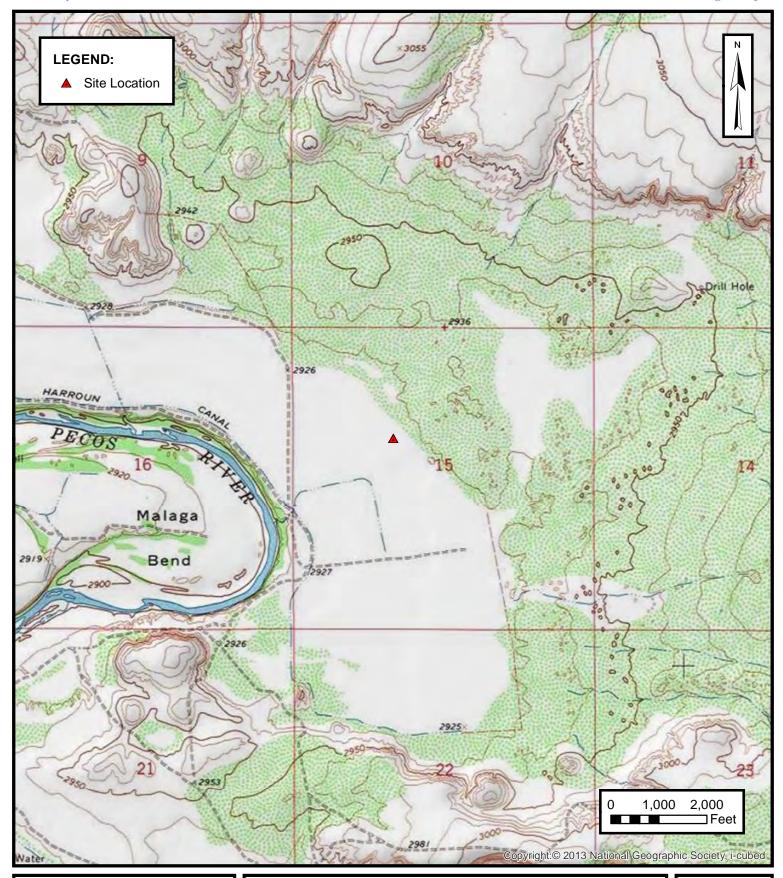
9.3 Reliance

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



APPENDIX A

Figures





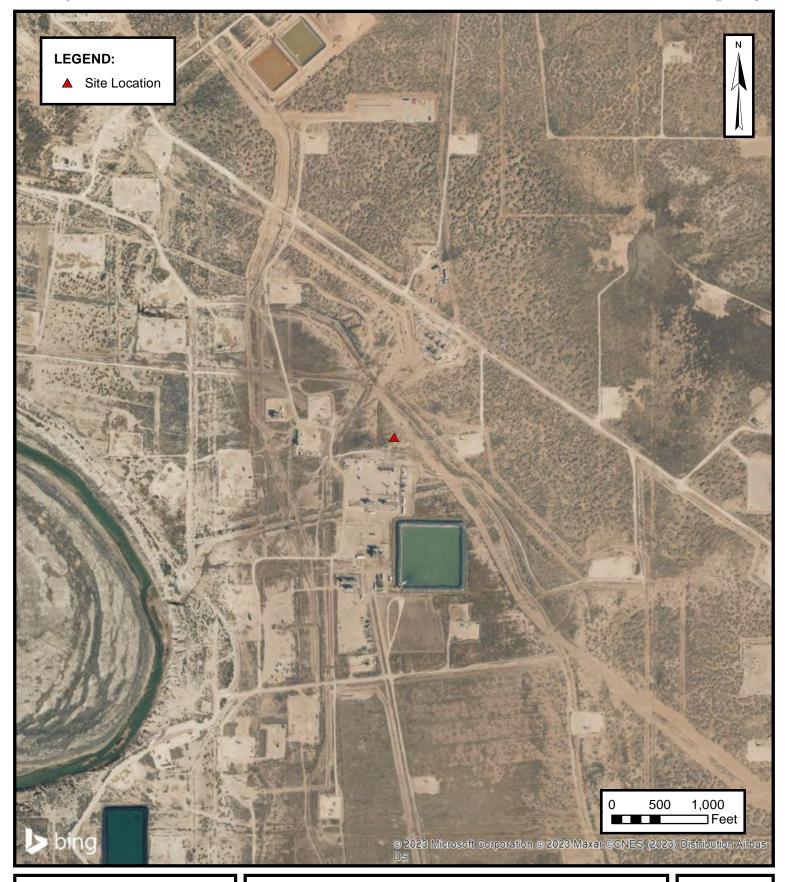
TOPOGRAPHIC MAP

OXY USA INC.
HARROUN 15 #008
Unit F, S15, T24S, R29E, Eddy County, New Mexico 32.21947° N, 103.97515° W

PROJECT NUMBER: 03B1417046

FIGURE

1





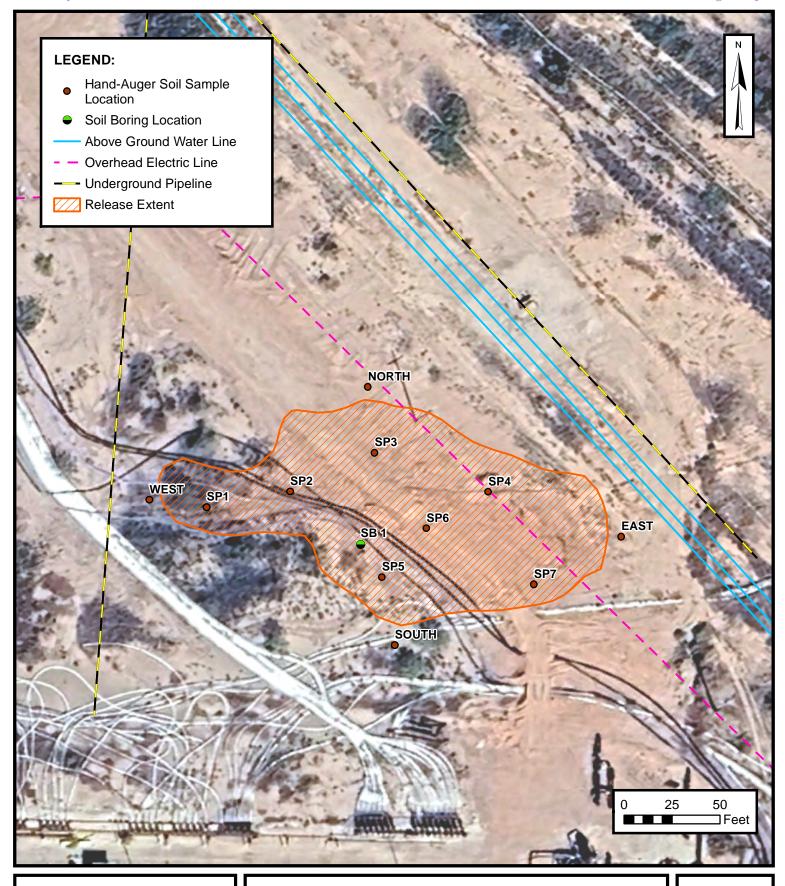
SITE VICINITY MAP

OXY USA INC.
HARROUN 15 #008
Unit F, S15, T24S, R29E, Eddy County, New Mexico 32.21947° N, 103.97515° W

PROJECT NUMBER: 03B1417046

FIGURE

2





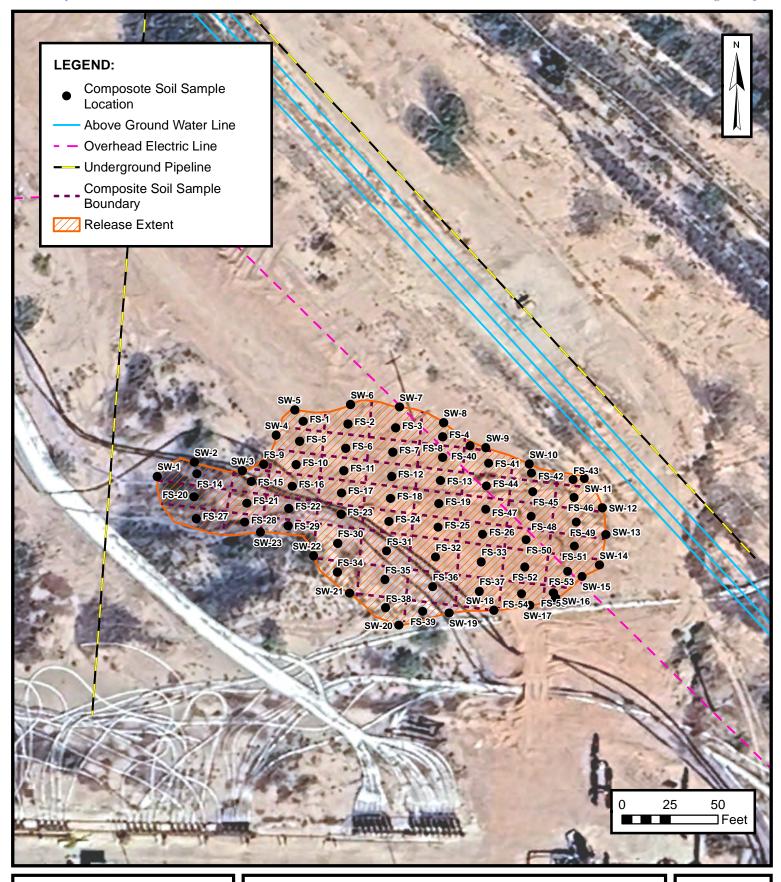
DELINEATION MAP

OXY USA INC.
HARROUN 15 #008
Unit F, S15, T24S, R29E, Eddy County, New Mexico 32.21947° N, 103.97515° W

PROJECT NUMBER: 03B1417046

FIGURE 3A

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SITE MAP

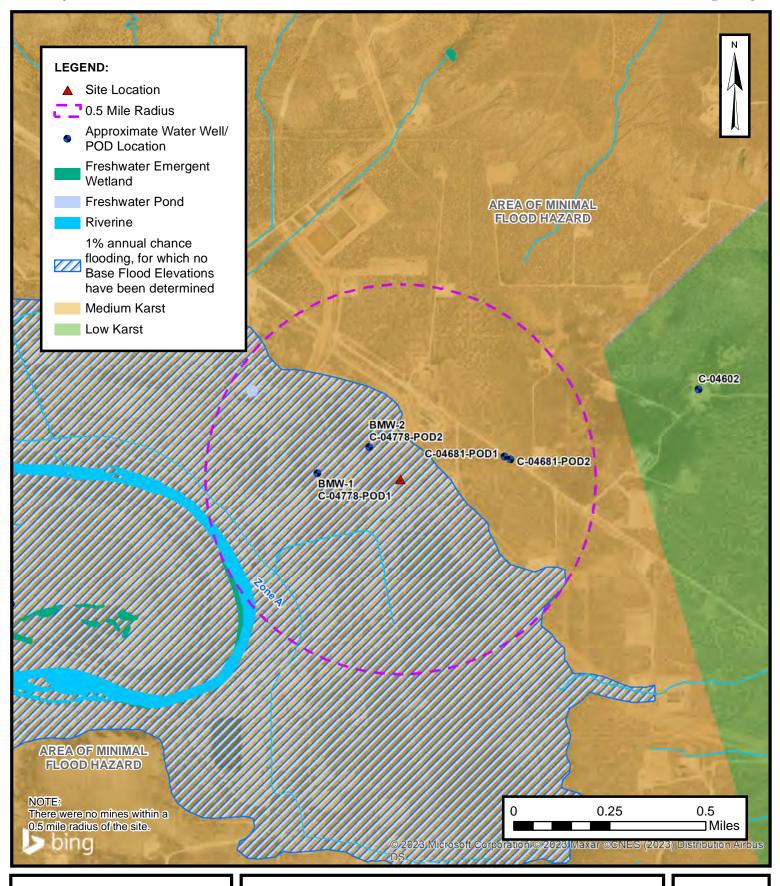
OXY USA INC. HARROUN 15 #008 Unit F, S15, T24S, R29E, Eddy County, New Mexico 32.21947° N, 103.97515° W

PROJECT NUMBER: 03B1417046

FIGURE

3B

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CLOSURE CRITERIA MAP

OXY USA INC.
HARROUN 15 #008
Unit F, S15, T24S, R29E, Eddy County, New Mexico 32.21947° N, 103.97515° W

PROJECT NUMBER: 03B1417046

FIGURE 4

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APPENDIX B

Supporting Documentation

From: Dittrich, John W

To: Bratcher, Mike, EMNRD; Pruett, Maria, EMNRD

Cc: "Cliff Brunson"; kswinney@bbcinternational.com; Kathy Purvis; Jennifer Gilkey; Moore, Rebecca A

Subject:

Date: Tuesday, September 4, 2018 6:59:40 AM

All,

This is to inform you that Oxy Permian had a **Reportable** release in **Eddy County** at the **Harroun 15 0008** on 8/29/2018.

• **Release Location**: Legal -15-24S-29E, API: 30-015-30253

• Release Volume: 10 bbls of Oil and 20 bbls of Produced Water.

• **Recovered**: 20 bbls recovered

• Cause of Release: 3 inch poly flow line

• Approximate Area impacted by release: 150ft x 150ft (measurements are subject to change with GPS tracking)

• GPS Coordinates and Driving Direction: 32.2195, -103.9753-(Leak GPS) CB NM ON 285 SOUTH GO TO MALAGA, TURN LEFT DUARTE ROAD GO 2 MILES, TURN RIGHT ON MCDONALD ROAD GO 3 MILES TO PECOS RIVER, CROSS RIVER, GO 1 MILE, AT 2ND CG GO LEFT AT Y, GO .25 MILE, SOUTH OF COMPRESSOR STA 350 FT SOUTH OF WELLHEAD Please let me know if you have any questions.

Wade Dittrich

Environmental Specialist Oxy Permian-New Mexico 575-390-2828 cell

575-397-8214 office

Wade_Dittrich@Oxy.com

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	NMAP1826380135
District RP	2RP-4974
Facility ID	
Application ID	pMAP1826379886

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 # (assigned by OC	
Contact mailing address	PO Box 4294; Houston, TX 77	7210	

Location of Release Source

			(NAD 83 in a	decimal de	Longitude VV-103.9 grees to 5 decimal places)			
Site Name		HARROUN 15	#008		Site Type FLOW	LINE LEAK		
Date Release	Discovered 8/29/2018				API# (if applicable) 30-015-30253			
Unit Letter	Section	Township	Range		County			
F 15 24S 29E			EDDY COUNTY, NM					

Nature and Volume of Release

Crude Oil	Volume Released (bbls) 10 BBLS	Volume Recovered (bbls) 5 BBLS
Produced Water	Volume Released (bbls) 20 BBLS	Volume Recovered (bbls) 15 BBLS
	Is the concentration of total dissolved solids (TDS) in the produced water >10,000 mg/l?	Yes No
☐ Condensate	Volume Released (bbls)	Volume Recovered (bbls)
Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)
Cause of Release	3 INCH POLY FLOW LINE	

Form C-141 Page 2

State of New Mexico Oil Conservation Division

Incident ID	NMAP1826380135
District RP	2RP-4974
Facility ID	
Application ID	pMAP1826379886

Was this a major	If VES for what reason(s) does	the responsible party consider this a major release?
release as defined by	RELEASE IS GREATER	
19.15.29.7(A) NMAC?	MELENOL 10 ONLY ILIX	TIAN 25 BBLS
Yes No		
If YES, was immediate r	otice given to the OCD? By whor	n? To whom? When and by what means (phone, email, etc)?
YES, BY WADE DI PRUETT-NMOCD	TTRICH OF OXY VIA EM/	AIL ON 9/4/18 @ 7:00 AM TO MIKE BRATCHER, MARIA
	In	itial 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 rel	ease has been stopped.	
The impacted area ha	as been secured to protect human h	ealth and the environment.
Released materials h	ave been contained via the use of b	perms or dikes, absorbent pads, or other containment devices.
All free liquids and r	ecoverable materials have been rer	moved and managed appropriately.
If all the actions describe	d above have <u>not</u> been undertaken,	explain why:
Per 19.15.29.8 B. (4) NM	IAC the responsible party may con	nmence remediation immediately after discovery of a release. If remediation
nas begun, please attach	a narrative of actions to date. If t	remedial efforts have been successfully completed or if the release occurred
		IMAC), please attach all information needed for closure evaluation.
I hereby certify that the info	rmation given above is true and complete required to report and/or file certain re	lete to the best of my knowledge and understand that pursuant to OCD rules and elease notifications and perform corrective actions for releases which may endanger
public health of the environ	ment. The acceptance of a C-141 reno	of by the OCD does not relieve the operator of liability should their operations have
raned to adequately investig	ate and remediate contamination that r	pose a threat to groundwater, surface water, human health or the environment. In perator of responsibility for compliance with any other federal, state, or local laws
and/or regulations.		permor of responsionity for compliance with any other federal, state, or local laws
Printed Name: Wade	Dittrich	Title: Environmental Specialist
Signature: //a/	le Sittlet	Date: 9-17-18
email: wade_dittri	ch@ovy.com	/F7F) 200 2020
email;	onwoxy.com	Telephone: (575) 390-2828
OCD Only		150
///	Muco	00/00/40
Received by:		Date: 09/20/18

Beaux Jennings

From: Enviro, OCD, EMNRD < OCD.Enviro@emnrd.nm.gov>

Sent: Monday, March 27, 2023 5:36 PM

To: Beaux Jennings

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

Subject: RE: [EXTERNAL] Harroun 15 #008 (Incident ID: NMAP1826380135)

[**EXTERNAL EMAIL**]

Beaux,

Please be aware that notification requirements are **two business days**, per rule. You may proceed on your schedule. This, and all correspondence, should be included in the closure report to insure inclusion in the project file.

JH

Jocelyn Harimon • Environmental Specialist

Environmental Bureau
EMNRD - Oil Conservation Division
1220 South St. Francis Drive | Santa Fe, NM 87505
(505)469-2821 | <u>Jocelyn.Harimon@emnrd.nm.gov</u>

http://www.emnrd.nm.gov



From: Beaux Jennings

 bjennings@ensolum.com>

Sent: Monday, March 27, 2023 2:04 PM

To: Enviro, OCD, EMNRD < OCD.Enviro@emnrd.nm.gov>

Subject: [EXTERNAL] Harroun 15 #008 (Incident ID: NMAP1826380135)

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

Good Afternoon,

On behalf of Oxy USA Inc, Ensolum, LLC would like to provide notification for sampling activities that will be conducted at the Harroun 15 #008 (Incident ID: NMAP1826380135) on Wednesday, March 29th. The samples may be used for closure, provided that they meet applicable closure limits.

Thank you,





New Mexico Office of the State Engineer

Transaction Summary

EXPL Permit To Explore

Transaction Number: 751694 **Transaction Desc:** C 04778 POD1-2 **File Date:** 09/13/2023

Primary Status:PMTPermitSecondary Status:APRApproved

Person Assigned: ******

Applicant: OXY USA INC.
Contact: WADE DITTRICH
Applicant: ENSOLUM, LLC
Contact: BEAUX JENNINGS

Events

Date	Type	Description	Comment	Processed By	
09/13/2023	APP	Application Received	*	*****	
09/13/2023	TEC	Technical Report	*PLG PLN OPS C-	*****	
10/03/2023	FTN	Finalize non-published Trans.		*****	

Water Right Information

•				
	WR File Nbr	Acres	Diversion	Consumptive Purpose of Use
	C 04778	0	0	MON MONITORING WELL
	**Point of Diversion			
	C 04778 POD1		596200	3565246
	C 04778 POD2		596415	3565355

Conditions

- 1A Depth of the well shall not exceed the thickness of the valley fill.
- 4 No water shall be appropriated and beneficially used under this permit.
- B The well shall be drilled by a driller licensed in the State of New Mexico in accordance with 72-12-12 NMSA 1978. A licensed driller shall not be required for the construction of a well driven without the use of a drill rig, provided that the casing shall not exceed two and three-eighths (2 3/8) inches outside diameter.
- C The well driller must file the well record with the State Engineer and the applicant within 30 days after the well is drilled or driven. It is the well owner's responsibility to ensure that the well driller files the well record. The well driller may obtain the well record form from any District Office or the Office of the State Engineer website.
- The well authorized by this permit shall be plugged completely using the following method per Rules and Regulations Governing Well Driller Licensing, Construction, Repair and Plugging of Wells; Subsection C of 19.27.4.30 NMAC unless an alternative plugging method is proposed by the well owner and approved by the State Engineer upon completion of the permitted use. All pumping appurtenance shall be removed from the well prior to plugging. To plug a well, the entire well shall be filled from the bottom upwards to ground surface using a tremie pipe. The bottom of the tremie shall remain submerged in the sealant throughout the entire sealing process; other placement methods may be acceptable

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	Client:	Oxy USA, Inc.									
	Projec	t Name: Harroun 15 #008			60	п Б	\sim 1	- 11		. / \	NELL LOC
		t Location: Eddy County, New Mexico			30	IL D	U	ΧII	A C) / Y	WELL LOG
	•	t Manager: Beaux Jennings									
		DRILLING & SAMPLING INFORMAITON		Soil D	Roring /	سالا المالا	mhor	. pr	1\^/ -		
	Data 0				_						
		Started: 10/03/2023									
		Completed: 10/03/2023									
	_	Company: Envirotech Drilling & Environmental Services Pete Perez	<u> </u>	Appro	ovea By	Kelly L	.owei	ry			
	Geolog	gist: Shane Diller Sa	ampler: Shane	Diller							
	Boring	Method: Auger Lo	ogged By: Shar	ne Diller	·						
	Sample	er Type: Auger									
			creen: <u>15' - 40'</u>								
	Casing	g Diameter: 2"To	otal Depth: 40'								
		faterials: PVC									BORING AND
		e Completion: Above Ground Vault									SAMPLING NOTES
	HSA - F	RING METHOD SAMPLER TYPE HOLLOW STEM AUGERS CB - FIVE FOOT CORE BARREL		NDWATE	R DEPT	Н				Ê	SAMI LING NOTES
	CFA - C	CONTINUOUS FLIGHT AUGERS SS - DRIVEN SPLIT SPOON	∑ AT COMPL ▼ AT WELL S		ATION		1		£	3 (ppr	
		EOPROBE ST - PRESSED SHELBY TUBE R ROTARY	-				/al		Dept	Readings (ppm)	
r							Sample Interval	very	Groundwater Depth	Read	
Į	<u> </u>	SOIL CLASSIFICATION		Stratum Depth	e ğ	Sample No.	nple	% Recovery	wpun	FID/PID	
Above	Well Deta			Stra Dep	Depth Scale	Sar.	Sarr	Ж.	Gro	FID	
Ground	П										
Vault_											
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- entonite-	ш				-						
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- 1	ш				-						
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-	ш	10' - Silty sandy clay, brown, slightly moist, no odor.			10 —						
-	ш	omy carrey casy, are my anguny mener, me case.			-						
-	ш				-						
- 1	18	12.5' - Silty clay, dark brown, slightly moist, no odor.			-						
-	Ш				-						
-	ĦI				15 —						
-					-						
Sand-					-						
Janu-		18' - Silty clay, brown, wet, no odor.			-				⊽		
-		10 - Silty Clay, Drown, wet, 110 odor.			-				-		
-		20' - Silty sandy clay, light brown, very wet, no odor.			20 —						
		20 - Siny Sanuy Gay, light brown, very wet, no odor.			-						
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J					25						
Sand-											
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		30' - Sandy silty clay, light brown, very wet, no odor.			30 —						
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-		NA - Not Available		ш	JÜ		_				

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Oxy USA, Inc.								
t Name: Harroun 15 #008		90	II R	\cap E) I N	16	· / \/	ELL LOG
t Location: Eddy County, New Mexico		30	IL D	Or	/11/	N C	, vv	ELL LOG
t Manager: Beaux Jennings								
DRILLING & SAMPLING INFORMAITON	Soil E	Boring / \	Nell Nur	nber:	ВМ	W-		
Started: 10/03/2023		_						
Completed: 10/03/2023	Draw	n By: B	eaux Jei	nning				
	Appro	oved By:	Kelly L	owery	У			
- -	er: Shane Diller							
er Type: Auger	,							
lole Diameter: 6" Screen	n: <u>15' - 40'</u>							
Diameter: 2"Total D	Depth: 40'							
laterials: PVC								DODING AND
e Completion: Above Ground Vault								BORING AND SAMPLING NOTES
	▼ AT COMPLETION ▼ AT WELL STABILIZ		1	Interval	very	ater Depth	Readings (ppm)	SAMPLING NOTES
SOIL CLASSIFICATION	Stratum	bepth scale	ample Io.	Sample	% Reco	Sroundw	-ID/PID	
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40' - Total Depth		35 - - - - 40 —						
40' - Total Depth								
t t t 5 ; 1	Name: Harroun 15 #008 Location: Eddy County, New Mexico Manager: Beaux Jennings DRILLING & SAMPLING INFORMAITON tarted: 10/03/2023 ompleted: 10/03/2023 Company: Envirotech Drilling & Environmental Services Pete Perez jist: Shane Diller Method: Auger ole Diameter: 6" Diameter: 2" aterials: PVC et Completion: Above Ground Vault RING METHOD ONLOW STEM AUGERS ONTINUOUS FLIGHT AUGERS ONTINUOUS FLIGHT AUGERS ONTINUOUS FLIGHT AUGERS ONTOROBE R ROTARY SOIL CLASSIFICATION	Name: Harroun 15 #008 Location: Eddy County, New Mexico Manager: Beaux Jennings DRILLING & SAMPLING INFORMAITON Soil Eddy County, New Mexico Manager: Beaux Jennings DRILLING & SAMPLING INFORMAITON Soil Eddy County, New Mexico Manager: Beaux Jennings DRILLING & SAMPLING INFORMAITON Soil Eddy County, New Mexico Manager: Beaux Jennings Proje Aproposition of the Sampler	Name: Harroun 15 #008 Location: Eddy County, New Mexico Manager: Beaux Jennings DRILLING & SAMPLING INFORMAITON tarted: 10/03/2023 Ompleted: 10/03/2023 Company: Envirotech Drilling & Environmental Services Pete Perez ist: Shane Diller Method: Auger Ole Diameter: 6" Diameter: 2" Total Depth: 40' Sampler: Shane Diller Screen: 15'-40' Total Depth: 40' SAMPLER TYPE OULLOW STEM AUGERS OPROBE OR ROTARY SOIL CLASSIFICATION SOIL CLASSIFICATION SOIL CLASSIFICATION SOIL SAMPLER TYPE GROUNDWATER DEPTH AT COMPLETION AT WELL STABILIZATION SOIL CLASSIFICATION	Name: Harroun 15 #008 Location: Eddy County, New Mexico Manager: Beaux Jennings DRILLING & SAMPLING INFORMAITON tarted: 10/03/2023 Compoleted: 10/03/2023 Company: Envirotech Drilling & Environmental Services Pete Perez ist: Shane Diller Method: Auger ole Diameter: 6" Diameter: 2" Diameter: 2" Se Completion: Above Ground Vault LING METHOD OLLOW STEM AUGERS ORROBE RROTARY SOIL CLASSIFICATION SOII Boring / Well Nur Project #: 03814170 Drawn By: Beaux Jen Approved By: Kelly L Project #: 03814170 Drawn By: Beaux Jen Approved By: Kelly L Project #: 03814170 Drawn By: Beaux Jen Approved By: Kelly L Project #: 03814170 Drawn By: Beaux Jen Approved By: Kelly L Approved By: Shane Diller Approved By: Kelly L Approved By: Companies Approved By: Companies Appro	Name: Harroun 15 #008 Location: Eddy County, New Mexico Manager: Beaux Jennings DRILLING & SAMPLING INFORMAITON tarted: 10/03/2023 Completed: 10/03/2023 Company: Envirotech Drilling & Environmental Services Pete Perez ist: Shane Diller Method: Auger ole Diameter: 6" Diameter: 2" aterials: PVC aterials: PVC aterials: PVC aterials: PVC aterials: PVC So Completion: Above Ground Vault SIMM METHOD SAMPLER TYPE OLLOW STEM AUGERS OPROBE R ROTARY SOIL CLASSIFICATION SOII Boring / Well Number: Soil Boring / Well Number: 9	Name: Harroun 15 #008 Location: Eddy County, New Mexico Manager: Beaux Jennings DRILLING & SAMPLING INFORMAITON tarted: 10/03/2023 Completed: 10/03/2023 Company: Envirotech Drilling & Environmental Services Pete Perez ist: Shane Diller Method: Auger or Type: Auger ole Diameter: 2" Diameter: 2" Completion: Above Ground Vault INING METHOD SAMPLER TYPE OULOW STEM AUGERS ONTINUOUS FLIGHT AUGERS SS - ORIVEN SPLIT SPOON ST - PRESSED SHELBY TUBE SOIL CLASSIFICATION SOIL CLASSIF	Name: Harroun 15 #008 Location: Eddy County, New Mexico Manager: Beaux Jennings DRILLING & SAMPLING INFORMAITON tarted: 10/03/2023 Completed: 10/03/2023 Company: Envirotech Drilling & Environmental Services Pete Perez ist: Shane Diller Method: Auger ole Diameter: 6" Total Depth: 40' Diameter: 2" aterials: PVC et Completion: Above Ground Vault INING METHOD OLLOW STEM AUGERS OR -FIVE FOOT CORE BARREL OR TOTARY SOIL CLASSIFICATION SOIL BORING Soil Boring / Well Number: BMW-1 Project #: 03B1417046 Drawn By: Beaux Jennings Approved By: Kelly Lowery Pete Perez Screen: 15' - 40' Total Depth: 40' AT COMPLETION AT COMPLETION AT WELL STABILIZATION Total Depth: 40' Total Depth: 40' AT WELL STABILIZATION Total Depth: 40' AT WELL STABILIZATION Total Depth: 40' AT WELL STABILIZATION Total Depth: 40' Total Depth: 40' AT WELL STABILIZATION Total Depth: 40' AT WELL STABILIZATION Total Depth: 40' Total Dep	Name: Harroun 15 #008 Location: Eddy County, New Mexico Manager: Beaux Jennings DRILLING & SAMPLING INFORMAITON tarted: 10/03/2023 Compeleted: 10/03/2023 Company: Envirotech Drilling & Environmental Services Pete Perez ist: Shane Diller Method: Auger ole Diameter: 6" Screen: 15' - 40' Diameter: 2" aterials: PVC et Compeletion: Above Ground Vault INING METHOD OLLOW STEM AUGERS CB - FIVE FOOT CORE BARREL OPROBLE OR OPROBLE RROTARY SOIL CLASSIFICATION Soil Boring / Well Number: BMW-1 Project #: 03B1417046 Drawn By: Beaux Jennings Approved By: Kelly Lowery Pete Perez ist: Shane Diller Logged By: Shane Diller GROUNDWATER DEPTH OLLOW STEM AUGERS GROUNDWATER DEPTH OLLOW STEM AUGERS SS - DRIVEN SPLIT SPOON ST - PRESSED SHELBY TUBE GROUNDWATER DEPTH OLLOW STEM AUGERS ROTARY SOIL CLASSIFICATION AT WELL STABILIZATION Total Depth: 40' AT WELL STABILIZATION Total Depth: 40' AT WELL STABILIZATION AT WELL STABILIZATION Total Depth: 40' AT WELL STABILIZATION Total Depth: 40' AT WELL STABILIZATION AT WELL STABILIZATION Total Depth: 40' AT WELL STABILIZA

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	Client:	Oxy USA, Inc.									
	Project	Name: Harroun 15 #008			90	ΙΙ В	\sim		16	· / \	WELL LOG
	Project	t Location: Eddy County, New Mexico			30	IL D	U	ΛII	N.C.) / Y	VELL LOG
	Projec	t Manager: Beaux Jennings									
		DRILLING & SAMPLING INFORMAITON		Soil R	Borina / '	Well Nur	nber	: BM	IW-2	2	
	Date S	started: 10/03/2023			_	B14170					_
		Completed: 10/03/2023		-							
		Company: Envirotech Drilling & Environmental Services									
		Pete Perez			,						
	Geolog	gist: Shane Diller Sampl	er: Shane	Diller							
	Boring	Method: Auger Logge	d By: Sha	ne Diller							
	Sample	er Type: Auger									
			n: <u>15' - 40'</u>								
	Casing	Diameter: 2" Total D	Depth: <u>40'</u>								
		laterials: PVC									BORING AND
		e Completion: Above Ground Vault									SAMPLING NOTES
	HSA - F	RING METHOD SAMPLER TYPE OLLOW STEM AUGERS CB - FIVE FOOT CORE BARREL	GROU! ▼ AT COMPI	NDWATE FTION	R DEPT	1				Ê	SAMI LING NOTES
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1							Sample Interval	overy	Groundwater Depth	FID/PID Readings (ppm)	
	onitor ell tail	SOIL CLASSIFICATION		Stratum Depth	Depth Scale	Sample No.	mple	% Recovery	puno	D/PIE	
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Ground Vault											
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ا	ш	10.5' - Silty sand, very fine-grained, clay nodules, pinkish grano odor.	ay, dry,		_						
	ш	no odor.			-						
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J	Ш	14' - Silty sandy clay, gray, slightly moist, no odor.			_						
J	Ш				15 —						
J					13						
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Sand-											
_		18' - Sand, fine-grained, reddish brown, slightly moist, no oc	dor.								
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		20.5' - Sandy clay, reddish brown, wet, no odor.			20 —						
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-		30' - Clayey sand, reddish brown, wet, no odor.			30 —						
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_	ш	NA - Not Available			35		l .				

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Project Manager: Beaux DRILLIN Date Started: 10/03/2023 Date Completed: 10/03/20 Drilling Company: Envirote Driller: Pete Perez Geologist: Shane Diller Boring Method: Auger Sampler Type: Auger Bore Hole Diameter: 6" Casing Diameter: 2" Well Materials: PVC Surface Completion: Abon BORING METHOD HSA - HOLLOW STEM AUGERS	Sampler: Sam	Soil Bo Project Drawn Approv Shane Diller Shane Diller	oring / W. t #: 03B' By: <u>Bea</u> ed By: <u>I</u>	ell Numl 1417046 uux Jenr	ber: <u>B</u> S nings	MW-	2	BORING AND SAMPLING NOTES
GP - GEOPROBE AR - AIR ROTARY	SOIL CLASSIFICATION	WELL STABILIZA		Sample No.	Sample Interval % Recovery	Groundwater Depth	FID/PID Readings (ppm)	
And-James And-James And-James And-James And-James And-James Andrews An			35					



APPENDIX C

Photographic Documentation



View of excavation area, facing southwest.



View of excavation area, facing southeast.



View of excavation area, facing southeast.



View of excavation area, facing southwest.



View of liner placed in excavation area prior to backfill, facing southeast.



View of excavation area subsequent to backfill, facing south.



APPENDIX D

Tables



Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	Total BTEX (mg/kg)	TPH GRO (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
					Delineatio	n Sample Anal	ytical Results					
	9/17/2018	Surface	<0.100	1.36	0.423	1.47	3.26	204	19,200	4,910	24,314	7,200
		1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	8,660
		2	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	2,440
SP 1		4			NS					NS		32,800
Oi i	9/18/2018	6			NS					NS		22,400
		8			NS					NS		6,260
		9			NS					NS		384
		10	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	416
		Surface	<0.050	0.288	0.218	0.768	1.27	<100	20,400	5,240	25,640	12,400
		1	<0.050	<0.050	0.074	0.252	0.326	<100	5,800	1,680	7,480	18,800
		2	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	4,400
SP 2	9/18/2018	4			NS					NS		1,120
01 2	9/10/2010	6			NS					NS		800
		8			NS					NS		976
		9			NS					NS		208
		10	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	272
		Surface	<0.050	0.159	0.218	0,675	1,05	<100	14,100	3,530	17,630	21,600
		1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	125	42.2	167	41,200
SP 3	9/18/2018	2	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	5,680
31 3		4			NS					NS		3,600
		6			NS					NS		176
	9/19/2018	7	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	224
		Surface	<0.050	<0.050	<0.050	<0.150	<0.300	<50.0	3,190	1,790	4,980	5,360
		1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	46.1	14.3	60.4	3,320
SP 4	9/19/2018	2	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	7,840
3F 4	3/13/2016	4			NS					NS		2,080
		6			NS					NS		288
		7	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	320



Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH MRO (mg/kg)	Total TPH (GRO+DRO+MRO) (mg/kg)	Chloride (mg/kg)
Closure Crite	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
		Surface	0.053	1.21	1.68	5.72	8.66	577	28,000	6,520	35,097	3,400
		1	<0.050	0.067	0.213	0.505	0.785	51.2	2,720	626	3,397	49,200
		2	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	34,000
		3	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	30,800
SP 5	9/19/2018	4			NS					NS		24,000
3F 3	9/19/2018	7			NS					NS		41,200
		9			NS					NS		38,400
		12			NS					NS		7,200
		15			NS					NS		5,440
		18	< 0.050	<0.050	< 0.050	<0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	3,400
	9/19/2018	Surface	<0.050	0.203	0.408	2.09	2.70	<100	13,900	4,290	18,190	48,000
	9/19/2016	1	<0.050	<0.050	<0.050	0.171	<0.300	<10.0	1,090	240	1,330	18,400
		2	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	40.5	11.0	51.5	11,100
		3	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	24.3	<10.0	24.3	13,300
SP 6		4			NS					NS		14,400
3F 0	9/20/2018	7			NS					NS		20,400
	9/20/2016	9			NS					NS		1,760
		12			NS					NS		8,800
		15			NS					NS		5,760
		18	< 0.050	< 0.050	< 0.050	<0.150	< 0.300	<10.0	142	14.4	156	6,960
		Surface	<0.050	<0.050	<0.050	0.177	<0.300	<100	6,550	1,930	8,480	3,920
		1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	1,110	232	1,342	16,500
		2	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	20.7	10.2	30.9	6,130
SP 7	9/20/2018	3	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	11,600
SF /	9/20/2016	5			NS					NS		12,400
		8			NS					NS		1,810
		11			NS					NS		48.0
		12	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	69.6	29.1	98.7	32.0
NORTH	9/20/2018	NA	<0.050	<0.050	< 0.050	<0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	160
EAST	9/20/2018	NA	<0.050	<0.050	<0.050	<0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	112
WEST	9/20/2018	NA	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	112
SOUTH	9/20/2018	NA	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	112
SB 1	40/40/2042	20			NS					NS		6,000
2R J	10/10/2018	25			NS					NS		13,300

Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH MRO (mg/kg)	Total TPH (GRO+DRO+MRO) (mg/kg)	Chloride (mg/kg)
Closure Crite	Oil Conserva eria for Soils I elease (≤ 50 fe	mpacted by a	10	NE	NE	NE	50	NE	NE	NE	100	600
					Floor	Sample Analytic	cal Results					
FS-1	3/31/2023	8	< 0.050	< 0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	240
FS-2	3/31/2023	8	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	2,200
1 3-2	4/27/2023	12					NS					5,760
FS-3	3/31/2023	8	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	20,400
F3-3	4/27/2023	12					NS					9,200
FS-4	3/31/2023	8	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	3,480
F3-4	4/27/2023	12					NS					10,600
FS-5	3/31/2023	8	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	31.2	<10.0	31.2	3,680
F3-5	4/27/2023	12					NS					7,520
FS-6	3/31/2023	8	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	21.1	<10.0	21.1	7,680
F3-0	4/27/2023	12					NS					11,200
FS-7	3/31/2023	8	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	39.8	<10.0	39.8	13,300
F5-7	4/27/2023	12					NS					10,400
FS-8	3/31/2023	8	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	8,000
F S-8	4/27/2023	12			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		NS					736
F0.0	3/31/2023	8	<0.050	<0.050	<0.050	<0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	4,800
FS-9	4/27/2023	12				<u> </u>	NS			<u> </u>		2,800
F0.40	3/31/2023	8	<0.050	<0.050	<0.050	<0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	11,100
FS-10	4/27/2023	12					NS					4,040
FO 44	3/31/2023	8	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	27.2	<10.0	27.2	11,200
FS-11	4/27/2023	12					NS				•	3,680
50.40	3/31/2023	8	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	42.5	<10.0	42.5	23,800
FS-12	4/27/2023	12				.	NS	J		F		10,600
F0.40	3/31/2023	8	<0.050	<0.050	<0.050	<0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	4,920
FS-13	4/27/2023	12					NS		• • • • • • • • • • • • • • • • • • • •			6,480
FS-14	3/31/2023	8	< 0.050	<0.050	<0.050	<0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	592
50.45	3/31/2023	8	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	10,000
FS-15	4/27/2023	12					NS					4,400

ENSOLUM

TABLE 1 SOIL SAMPLE ANALYTICAL RESULTS

Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH MRO (mg/kg)	Total TPH (GRO+DRO+MRO) (mg/kg)	Chloride (mg/kg)				
Closure Crite	Oil Conserva eria for Soils I elease (≤ 50 fe	mpacted by a	10	NE	NE	NE	50	NE	NE	NE	NE 100					
FS-16	3/31/2023	8	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	605	186	791	11,900				
F3-10	4/27/2023	12			NS			<10.0	<10.0	<10.0	<10.0	976				
FS-17	3/31/2023	8	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	44.6	<10.0	44.6	9,200				
1 3-17	4/27/2023	12					NS					7,680				
	3/31/2023	8	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	153	46.1	199	20,200				
FS-18	4/27/2023	12			NS			<50.0	2,970	571	3,541	9,800				
1 3-10	5/23/2023	12			NS			<10.0	671	182	853	3,680				
	6/13/2023	16			NS			<10.0	<10.0	<10.0	<10.0	1,920				
FS-19	3/31/2023	8	<0.050	0.092	0.323	1.63	2.04	70.6	4,200	1,070	5,341	8,400				
F3-19	4/27/2023	12			NS			<10.0	51.2	<10.0	51.2	8,200				
FS-20	3/31/2023	8	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	960				
F3-20	4/27/2023	12					NS					4,560				
FS-21	3/31/2023	8	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	960				
F3-21	4/27/2023	12					NS					6,320				
FS-22	3/31/2023	8	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	155	37.6	193	17,400				
F 3-22	4/27/2023	12			NS			<10.0	<10.0	<10.0	<10.0	960				
	3/31/2023	8	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	225	75.9	301	47,200				
FS-23	4/27/2023	12			NS			<10.0	691	127	818	6,480				
F3-23	5/23/2023	12			NS			<10.0	<10.0	<10.0	<10.0	46,400				
	6/13/2023	16			NS			<10.	<10.0	<10.0	<10.0	3,520				
FS-24	3/31/2023	8	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	1,130	320	1,450	23,600				
F 3-24	4/27/2023	12			NS			<10.0	<10.0	<10.0	<10.0	8,400				
FS-25	3/31/2023	8	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	308	94.1	402	19,200				
F3-25	4/27/2023	12			NS			<10.0	<10.0	<10.0	<10.0	7,680				
FS-26	3/31/2023	8	<0.050	<0.050	<0.050	<0.150	< 0.300	<10.0	291	110	401	22,000				
F3-20	4/27/2023	12			NS			<10.0	<10.0	<10.0	<10.0	11,600				
FS-27	3/31/2023	8	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	3,360				
1 3-21	4/27/2023	12					NS					6,880				
FS-28	3/31/2023	8	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	4,160				
F 3-20	4/27/2023	12					NS					976				
FS-29	3/31/2023	8	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	6,800				
F 5-29	4/27/2023	12					NS					1,020				
ES 20	3/31/2023	8	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	17,800				
FS-30	4/27/2023	12					NS					2,120				

FS-31 3312023 8 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.000 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0	Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH MRO (mg/kg)	Total TPH (GRO+DRO+MRO) (mg/kg)	Chloride (mg/kg)
FS-31	Closure Crite	eria for Soils I	mpacted by a	10	NE	NE	NE	50	NE	NE	NE	100	600
FS-32 3/31/2023 8 < 0.050	FS-31		***********	<0.050	<0.050	<0.050	<0.150		<10.0	<10.0	<10.0	<10.0	7,600
FS-32					1	1	1		1	F	I		6,000
FS-33	FS-32		2,2,2,2,2,2,2,2,2,2,2,2,2,2,2,2,2	<0.050	<0.050		<0.150	<0.300			**********		7,460
FS-34					marketelelenin		hannardesanan	himma essimi					5,200
FS-34 3/31/2023 8 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050	FS-33			<0.050	<0.050		<0.150	<0.300					4,640
FS-34			 			F-7-7-7-7-7-7-7-7-7-7-7-7-7-7-7-7-7-7-7	lerenegezegenen	no o a a a a a a a a a a a a a	 				1,360
FS-35 3/31/2023 8 <0.050 <0.050 <0.050 <0.050 <0.050 <0.0300 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0	FS-34		<u> </u>	<0.050	<0.050	<0.050	<0.150		<10.0	<10.0	<10.0	<10.0	6,880
FS-35			 	200	la l		la constante de la constante d		leenerga arene	F	letere against the		1,470
FS-36 3/31/2023 8 < 0.050	FS-35			<0.050	<0.050	<0.050	<0.150		<10.0	<10.0	<10.0	<10.0	14,900
FS-36 4/27/2023 12 NS					2.565	8.868	le e a a a a a a		Les de la compa	District SAA	herengazeren		4,560
FS-37 3/31/2023 8 < 0.050	FS-36		1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1	<0.050	<0.050	*************************	<0.150	<0.300			<u> </u>		3,760
FS-37 4/27/2023 12 NS			<u> </u>		in the same of	,	li i i i kazesi i i i						3,360
FS-38 3/31/2023 8	FS-37		*,*,*,*,*,*,*,*,*,*,*,*,*,*,*,*,*,*,*	<0.050	<0.050		<0.150	<0.300					6,480
FS-38			1	0.050	n ded		li i i i a a a a a i i i i	l a ann					
FS-39 3/31/2023 8 < 0.050	FS-38			<0.050	<0.050	<0.050	<0.150		<10.0	<10.0	<10.0	<10.0	1,250
FS-39 4/27/2023 12			 	0.050	0.050	0.050	0.450	, .	400	400	40.0	400	2,560
FS-40 3/31/2023 8	FS-39			<0.050	<0.050	<0.050	<0.150		<10.0	<10.0	<10.0	<10.0	2,560 656
FS-40 4/27/2023 12 NS A10.0 < 10.0 < 10.0 < 10.0 < 9.0 FS-41 3/31/2023 8 4/27/2023 12 FS-42 FS-43 FS-43 FS-43 FS-44 A10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0			 	-0.0E0	-0.0E0	-0.050	-0.1E0		-100	446	20.4		10,300
FS-41 3/31/2023 8 <0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050	FS-40			<0.050	<0.000		<0.130	<0.300					9,000
FS-41				-0.050	-0.050		-0.150	>0.300					7,600
FS-42 3/31/2023 8 <0.050 <0.050 <0.050 0.237 <0.300 35.7 6,820 1,600 8,456 6.1 4/27/2023 12 NS <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <	FS-41			KU.030	<0.030	20,030	<0.130		<10.0	34.0	×10.0	54.0	6,240
FS-42			 	<0.050	<0.050	<0.050	0.237	T	35.7	6.820	1 600	8 456	6,130
FS-43	FS-42			~0.000	\5.000		0.207	.0.550					2,760
FS-43 4/27/2023 12 NS NS A/27/2023 12 NS NS x10.0 x10.0				<0.050	∠ 0.050		<0.150	<0.300					3,800
FS-44 3/31/2023 8 <0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050	FS-43		1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,	[1			***********		3,360
FS-44 4/27/2023 12 NS <10.0 <10.0 <10.0 <10.0 2,7				< 0.050	<0.050		<0.150	<0.300					8,800
	FS-44												2,720
3/31/2023 8 50.050 0.066 0.157 0.969 11.19 79.8 8.640 2.030 10.750 14.0		3/31/2023	8	<0.050	0.066	0.157	0.969	1.19	79.8	8,640	2,030	10,750	14,600
	FS-45		<u> </u>	74.444				1					5,280
				12-2-2-2-2-2-2-2-2-2-2-2-2-2-2-2-2-2-2-	<u> </u>		<u> </u>	. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.					1,070



TABLE 1 SOIL SAMPLE ANALYTICAL RESULTS

Harroun 15 #008 Oxy USA, Inc. Eddy County, New Mexico Ensolum Project No. 03B1417046

Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH MRO (mg/kg)	Total TPH (GRO+DRO+MRO) (mg/kg)	Chloride (mg/kg)
Closure Crite	Oil Conserva eria for Soils I elease (≤ 50 fe	mpacted by a	10	NE	NE	NE	50	NE	NE	NE	100	600
FS-46	3/31/2023	8	<0.050	<0.050	<0.050	<0.150	<0.300	15.5	1,440	400	1,856	4,960
F 5-40	4/27/2023	12			NS			<10.0	<10.0	<10.0	<10.0	5,200
FS-47	3/31/2023	8	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	77.1	29.8	107	9,460
1 3-47	4/27/2023	12			NS			<10.0	<10.0	<10.0	<10.0	3,680
FS-48	3/31/2023	8	<0.050	<0.050	<0.050	0.327	0.327	56.5	5,880	1,370	7,307	5,760
1 3-40	4/27/2023	12			NS			<10.0	41.7	<10.0	41.7	9,000
FS-49	3/31/2023	8	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	20.3	<10.0	20.3	2,200
1 0-49	4/27/2023	12					NS					2,520
FS-50	3/31/2023	8	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	110	39.4	149	7,600
1 0-30	4/27/2023	12			NS			<10.0	21.5	<10.0	21.5	11,000
FS-51	3/31/2023	8	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	974	239	1,213	4,480
1 0-31	4/27/2023	12			NS			<10.0	<10.0	<10.0	<10.0	4,800
FS-52	3/31/2023	8	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	136	56.8	193	4,800
1 0-32	4/27/2023	12			NS			<10.0	<10.0	<10.0	<10.0	4,640
	3/31/2023	8	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	239	67.8	307	3,240
FS-53	4/27/2023	12					NS					3,520
	5/23/2023	12			NS			<10.0	<10.0	<10.0	<10.0	848
FS-54	3/31/2023	8	< 0.050	<0.050	< 0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	352
FS-55	3/31/2023	8	< 0.050	< 0.050	< 0.050	<0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	64.0

ENSOLUM

TABLE 1 SOIL SAMPLE ANALYTICAL RESULTS

Harroun 15 #008 Oxy USA, Inc. Eddy County, New Mexico Ensolum Project No. 03B1417046

New Next-co Consumer Criteria for Soils Implicated by a Release (5 to feet) Ne	Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH MRO (mg/kg)	Total TPH (GRO+DRO+MRO) (mg/kg)	Chloride (mg/kg)	
SW-1	Closure Crite	eria for Soils I	mpacted by a	10	NE	NE	NE	50	NE	NE	NE	100	600	
SW-10 4/27/2023 0 - 1/2							Sample Analyt							
SY22023				<0.050	<0.050	<0.050	<0.150		<10.0	<10.0	<10.0	<10.0		
SW-2	SW-1		0 - 12					<u> </u>						
SW-2			-	<u> </u>	 	 	 		,, 	 	 			
SW-10 SW-1		3/31/2023		<0.050	<0.050	<0.050	<0.150		<10.0	<10.0	<10.0	<10.0	864	
SW-3 3/31/2023 0 - 8 <0.050 <0.050 <0.150 <0.300 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0	SW-2	4/27/2023	0 - 12					NS					6,720	
SW-4		5/23/2023	0 - 12					NS					288	
SW-4 4/27/2023 0 - 12	SW-3	3/31/2023	0 - 8	< 0.050	< 0.050	< 0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	448	
SW-4		3/31/2023	0 - 8	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	6,600	
Section Sect	SW 4	4/27/2023	0 - 12					NS					9,330	
SW-5 3/31/2023 0 - 8 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 <	SVV-4	5/23/2023	0 - 12					NS					4,640	
SW-6 A/27/2023 O - 8 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <		6/13/2023	0 -12					NS					752	
SW-6 4/27/2023 0 - 12	SW-5	3/31/2023	0 - 8	< 0.050	< 0.050	< 0.050	<0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	544	
Section Sect		3/31/2023	0 - 8	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	4,720	
SW-7 3/31/2023 0 - 8 <0.050 <0.050 <0.050 <0.150 <0.300 <10.0 <10.0 <10.0 <10.0 <10.0 3,360	SW-6	4/27/2023	0 - 12					NS					26,000	
SW-7 4/27/2023 0 - 12		5/23/2023	0 - 12					NS					192	
SW-8		3/31/2023	0 - 8	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	3,360	
SW-8 3/31/2023 0 - 8 <0.050 <0.050 <0.150 <0.300 <10.0 <10.0 <10.0 <10.0 1,310 SW-8 4/27/2023 0 - 12 NS 19,600 5/23/2023 0 - 12 NS 128 SW-9 4/27/2023 0 - 8 <0.050	SW-7	4/27/2023	0 - 12					NS					24,000	
SW-8 4/27/2023 0 - 12 NS 19,600 5/23/2023 0 - 12 NS 128 SW-9 3/31/2023 0 - 8 <0.050		5/23/2023	0 - 12					NS					144	
Second		3/31/2023	0 - 8	< 0.050	<0.050	<0.050	< 0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	1,310	
SW-9 3/31/2023 0 - 8 <0.050 <0.050 <0.050 <0.050 <0.300 <10.0 396 148 544 9,730 4/27/2023 0 - 12 NS <10.0	SW-8	4/27/2023	0 - 12					NS					19,600	
SW-9 4/27/2023 0 - 12 NS <10.0 <10.0 <10.0 <10.0 8,000 5/23/2023 0 - 12 NS 144 SW-10 3/31/2023 0 - 8 <0.050		5/23/2023	0 - 12					NS					128	
SW-10 SW-1		3/31/2023	0 - 8	<0.050	< 0.050	<0.050	<0.150	<0.300	<10.0	396	148	544	9,730	
SW-10 3/31/2023 0 - 8 <0.050 <0.050 <0.050 <0.150 <0.300 <10.0 47.4 11.9 59.3 1,230 4/27/2023 0 - 12 SW-11 SW-12 NS NS 208 8W-12 3/31/2023 0 - 8 <0.050	SW-9	4/27/2023	0 - 12			NS			<10.0	<10.0	<10.0	<10.0	8,000	
SW-10 4/27/2023 0.12 NS 3,520 5W-11 3/31/2023 0.8 0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <th colsp<="" td=""><td></td><td>5/23/2023</td><td>0 - 12</td><td></td><td></td><td></td><td></td><td>NS</td><td></td><td><u> </u></td><td></td><td></td><td>144</td></th>	<td></td> <td>5/23/2023</td> <td>0 - 12</td> <td></td> <td></td> <td></td> <td></td> <td>NS</td> <td></td> <td><u> </u></td> <td></td> <td></td> <td>144</td>		5/23/2023	0 - 12					NS		<u> </u>			144
5/23/2023 0 - 12 NS 208 SW-11 3/31/2023 0 - 8 <0.050		3/31/2023	0-8	< 0.050	<0.050	<0.050	<0.150	<0.300	<10.0	47.4	11.9	59.3	1,230	
SW-11 3/31/2023 0 - 8 <0.050 <0.050 <0.050 <0.150 <0.300 <10.0 14.8 <10.0 14.8 3,600 4/27/2023 0 - 12 NS NS 336 SW-12 3/31/2023 0 - 8 <0.050	SW-10	4/27/2023	0 -12					NS					3,520	
SW-11 3/31/2023 0 - 8 <0.050 <0.050 <0.050 <0.150 <0.300 <10.0 14.8 <10.0 14.8 3,600 4/27/2023 0 - 12 NS NS 3/31/2023 3/31/2023 0 - 8 <0.050		5/23/2023			*. *. *. *. *. *. *. *. *. *. *. *.	*. *. *. *. *. *. *. *. *. *. *. *. *. *	*. *. *. *. *. *. *. *. *. *. *. *. *.							
SW-11 4/27/2023 0 - 12 NS 336 3/31/2023 0 - 8 <0.050			0 - 8	<0.050	< 0.050	<0.050	<0.150	< 0.300	<10.0	14.8	<10.0	14.8	3,600	
3/31/2023 0 - 8 < 0.050 < 0.050 < 0.050 < 0.150 < 0.300 < 10.0 876 246 1,122 5,600 SW-12 4/27/2023 0 - 12 NS < 10.0	SW-11				<u>protection and the contract of the contract o</u>	apromonomente esta esta esta esta esta esta esta es			<u> 14. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.</u>	<u>purururururururururininini</u>	<u>gananananan diranan diran</u>	upununununununununununununununununininini		
SW-12 4/27/2023 0 - 12 NS <10.0 155 14.3 169 1,200			 	<0.050	<0.050	<0.050	<0.150		<10.0	876	246	1.122		
	SW-12					<u> </u>			4 : : : : : : : : : : : : : : : : : : :					
			*********************		<u>nanananananananinini</u>		<u> </u>			. * . * . * . * . * . * . * . * . * . *				

ENSOLUM

TABLE 1 SOIL SAMPLE ANALYTICAL RESULTS

Harroun 15 #008 Oxy USA, Inc. Eddy County, New Mexico Ensolum Project No. 03B1417046

Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH MRO (mg/kg)	Total TPH (GRO+DRO+MRO) (mg/kg)	Chloride (mg/kg)
Closure Crite	Oil Conserva eria for Soils I lease (≤ 50 fe	mpacted by a	10	NE	NE	NE	50	NE	NE	NE	100	600
SW-13	3/31/2023	0 - 8	<0.050	< 0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	64.0
SW-14	3/31/2023	0 - 8	<0.050	< 0.050	<0.050	<0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	96.0
SW-15	3/31/2023	0 - 8	<0.050	< 0.050	<0.050	<0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	144
SW-16	3/31/2023	0 - 8	<0.050	< 0.050	<0.050	<0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	64.0
SW-17	3/31/2023	0 - 8	<0.050	< 0.050	< 0.050	<0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	80.0
SW-18	3/31/2023	0 - 8	<0.050	< 0.050	< 0.050	<0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	16.0
SW-19	3/31/2023	0 - 8	<0.050	< 0.050	<0.050	<0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	384
SW-20	3/31/2023	0 - 8	<0.050	< 0.050	<0.050	<0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	576
SW-21	3/31/2023	0 - 8	<0.050	< 0.050	< 0.050	<0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	256
SW-22	3/31/2023	0 - 8	<0.050	< 0.050	<0.050	<0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	112
SW-23	3/31/2023	0 - 8	<0.050	< 0.050	<0.050	<0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	272

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

Additional Excavation and/or Re-Sample

bgs: below ground surface mg/kg: milligrams per kilogram

NA: Not Applicable
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



TABLE 2 GROUNDWATER SAMPLE ANALYTICAL RESULTS

Harroun 15 #008 Oxy USA, Inc. Eddy County, New Mexico Ensolum Project No. 03B1417046

Sample Designation	Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	Total BTEX (mg/L)	TPH GRO (mg/L)	TPH DRO (mg/L)	TPH MRO (mg/L)	Total TPH (GRO+DRO+MRO) (mg/L)	Chloride (mg/L)	TDS (mg/L)
	er Quality Control ater Quality Standards	0.005	1	0.7	0.62		NE	NE	NE	NE	250.0	10,000
				Gra	b Water Sample	Analytical Res	sults					
*Water 1	11/8/2023			NS						41,000	NS	
				Backgr	ound Water Sai	nple Analytical	Results					
BMW-1	BMW-1 11/8/2023			NS						5,510	18,700	
BMW-2	11/8/2023		•	NS	•	•		•	NS		6,160	16,300

Concentrations in bold and yellow exceed the applicable New Mexico Water Quality Control Comission Groundwater Quality Standards

* Grab sample taken from soil boring SB 1

mg/L: milligrams per Liter

NA: Not Applicable

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

TDS: Total Dissolve Solids



APPENDIX E

Laboratory Data Sheets and Chain-of-Custody Documentation



October 04, 2018

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: HARROUN 15-8

Enclosed are the results of analyses for samples received by the laboratory on 09/28/18 11:30.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-18-11. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/ga/lab accred certif.html.

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

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

Accreditation applies to public drinking water matrices.

Celey D. Keine

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

BBC International, Inc. Cliff Brunson

P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received: 09/28/2018 Sampling Date: 09/17/2018

Reported: 10/04/2018 Sampling Type: Soil

Project Name: HARROUN 15-8 Sampling Condition: Cool & Intact
Project Number: 8-29-18 Sample Received By: Tamara Oldaker

Analyzed By me

Project Location: MALAGA, NM

Sample ID: SP 1 @ SURFACE (H802759-01)

DTEV 0021D

BTEX 8021B	mg	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.100	0.100	09/29/2018	ND	2.04	102	2.00	0.0515	
Toluene*	1.36	0.100	09/29/2018	ND	2.21	110	2.00	0.00298	
Ethylbenzene*	0.423	0.100	09/29/2018	ND	2.33	117	2.00	0.0137	
Total Xylenes*	1.47	0.300	09/29/2018	ND	6.90	115	6.00	0.0534	
Total BTEX	3.26	0.600	09/29/2018	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.7	% 69.8-14	2						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	7200	16.0	09/29/2018	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	204	100	09/29/2018	ND	198	98.8	200	1.98	
DRO >C10-C28*	19200	100	09/29/2018	ND	189	94.5	200	17.9	
EXT DRO >C28-C36	4910	100	09/29/2018	ND					
Surrogate: 1-Chlorooctane	102	% 41-142	?						
Surrogate: 1-Chlorooctadecane	741	% 37.6-14	7						

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene



Analytical Results For:

BBC International, Inc. Cliff Brunson P.O. Box 805

Hobbs NM, 88241

Fax To: (575) 397-0397

 Received:
 09/28/2018
 Sampling Date:
 09/18/2018

 Reported:
 10/04/2018
 Sampling Type:
 Soil

Project Name: HARROUN 15-8 Sampling Condition: Cool & Intact
Project Number: 8-29-18 Sample Received By: Tamara Oldaker

Project Location: MALAGA, NM

Sample ID: SP 1 @ 1' (H802759-02)

BTEX 8021B	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/02/2018	ND	1.74	87.2	2.00	1.91	
Toluene*	<0.050	0.050	10/02/2018	ND	1.92	95.9	2.00	1.57	
Ethylbenzene*	<0.050	0.050	10/02/2018	ND	2.04	102	2.00	1.75	
Total Xylenes*	<0.150	0.150	10/02/2018	ND	5.89	98.2	6.00	1.84	
Total BTEX	<0.300	0.300	10/02/2018	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 69.8-14	2						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	8660	16.0	10/02/2018	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/01/2018	ND	195	97.6	200	2.68	
DRO >C10-C28*	<10.0	10.0	10/01/2018	ND	179	89.7	200	7.09	
EXT DRO >C28-C36	<10.0	10.0	10/01/2018	ND					
Surrogate: 1-Chlorooctane	92.0	% 41-142	,						
Surrogate: 1-Chlorooctadecane	89.4	% 37.6-14	7						

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Celey D. Keine



Analytical Results For:

BBC International, Inc. Cliff Brunson

P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received: 09/28/2018 Sampling Date: 09/18/2018

Reported: 10/04/2018 Sampling Type: Soil

Project Name: HARROUN 15-8 Sampling Condition: Cool & Intact
Project Number: 8-29-18 Sample Received By: Tamara Oldaker

Project Location: MALAGA, NM

Sample ID: SP 1 @ 2' (H802759-03)

BTEX 8021B	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/02/2018	ND	1.74	87.2	2.00	1.91	
Toluene*	<0.050	0.050	10/02/2018	ND	1.92	95.9	2.00	1.57	
Ethylbenzene*	<0.050	0.050	10/02/2018	ND	2.04	102	2.00	1.75	
Total Xylenes*	<0.150	0.150	10/02/2018	ND	5.89	98.2	6.00	1.84	
Total BTEX	<0.300	0.300	10/02/2018	ND					
Surrogate: 4-Bromofluorobenzene (PID	108	% 69.8-14	2						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2440	16.0	10/02/2018	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/01/2018	ND	195	97.6	200	2.68	
DRO >C10-C28*	<10.0	10.0	10/01/2018	ND	179	89.7	200	7.09	
EXT DRO >C28-C36	<10.0	10.0	10/01/2018	ND					
Surrogate: 1-Chlorooctane	93.6	% 41-142	•						
Surrogate: 1-Chlorooctadecane	92.1	% 37.6-14	7						

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Celey D. Keine



Analytical Results For:

BBC International, Inc.

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

Fax To: (575) 397-0397

Received: 09/28/2018

Reported: 10/04/2018
Project Name: HARROUN 15-8
Project Number: 8-29-18

Project Location: MALAGA, NM

Sampling Date: 09/18/2018

Sampling Type: Soil
Sampling Condition: Cool & Intact

Sample Received By: Tamara Oldaker

Sample ID: SP 1 @ 4' (H802759-04)

Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32800	16.0	10/02/2018	ND	416	104	400	3.77	
Sample ID: SP 1 @ 6' (H	802759-05)								
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	22400	16.0	10/02/2018	ND	416	104	400	3.77	
Sample ID: SP 1 @ 8' (H	802759-06)								
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6260	16.0	10/02/2018	ND	416	104	400	3.77	
Sample ID: SP 1 @ 9' (H	802759-07)								
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	384	16.0	10/02/2018	ND	416	104	400	3.77	

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Celeg D. Freene



Analytical Results For:

BBC International, Inc. Cliff Brunson

P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received: 09/28/2018 Sampling Date: 09/18/2018

Reported: 10/04/2018 Sampling Type: Soil

Project Name: HARROUN 15-8 Sampling Condition: Cool & Intact
Project Number: 8-29-18 Sample Received By: Tamara Oldaker

Applyzod By: MC

Project Location: MALAGA, NM

ma/ka

Sample ID: SP 1 @ 10' (H802759-08)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	а ву: м5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/02/2018	ND	1.74	87.2	2.00	1.91	
Toluene*	<0.050	0.050	10/02/2018	ND	1.92	95.9	2.00	1.57	
Ethylbenzene*	<0.050	0.050	10/02/2018	ND	2.04	102	2.00	1.75	
Total Xylenes*	<0.150	0.150	10/02/2018	ND	5.89	98.2	6.00	1.84	
Total BTEX	<0.300	0.300	10/02/2018	ND					
Surrogate: 4-Bromofluorobenzene (PID	108	% 69.8-14.	2						
Chloride, SM4500CI-B	mg	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	416	16.0	10/02/2018	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/01/2018	ND	195	97.6	200	2.68	
DRO >C10-C28*	<10.0	10.0	10/01/2018	ND	179	89.7	200	7.09	
EXT DRO >C28-C36	<10.0	10.0	10/01/2018	ND					
Surrogate: 1-Chlorooctane	95.5	% 41-142	•						
Surrogate: 1-Chlorooctadecane	95.8	% 37.6-14	7						

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Celeg D. Freene



Analytical Results For:

BBC International, Inc.

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

Fax To: (575) 397-0397

Received: 09/28/2018 Sampling Date: 09/18/2018

Reported: 10/04/2018 Sampling Type: Soil

Project Name: HARROUN 15-8 Sampling Condition: Cool & Intact Sample Received By: Project Number: 8-29-18 Tamara Oldaker

Analyzed By: MC

Project Location: MALAGA, NM

Sample ID: SP 2 @ SURFACE (H802759-09)

RTFY 8021R

BIEX 8021B	mg	/кд	Analyze	a By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/02/2018	ND	1.74	87.2	2.00	1.91	
Toluene*	0.288	0.050	10/02/2018	ND	1.92	95.9	2.00	1.57	
Ethylbenzene*	0.218	0.050	10/02/2018	ND	2.04	102	2.00	1.75	
Total Xylenes*	0.768	0.150	10/02/2018	ND	5.89	98.2	6.00	1.84	
Total BTEX	1.27	0.300	10/02/2018	ND					
Surrogate: 4-Bromofluorobenzene (PID	124	% 69.8-14	2						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	12400	16.0	10/02/2018	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<100	100	10/02/2018	ND	195	97.6	200	2.68	
DRO >C10-C28*	20400	100	10/02/2018	ND	179	89.7	200	7.09	
EXT DRO >C28-C36	5240	100	10/02/2018	ND					
Surrogate: 1-Chlorooctane	108	% 41-142	?						
Surrogate: 1-Chloroctadecane	844	% 376-14	7						

Surrogate: 1-Chlorooctadecane 844 % 37.6-147

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Celey D. Keine



Analytical Results For:

BBC International, Inc.

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

Fax To: (575) 397-0397

Received: 09/28/2018 Sampling Date: 09/18/2018

Reported: 10/04/2018 Sampling Type: Soil

Project Name: HARROUN 15-8 Sampling Condition: Cool & Intact
Project Number: 8-29-18 Sample Received By: Tamara Oldaker

Applyzod By: MC

Project Location: MALAGA, NM

ma/ka

Sample ID: SP 2 @ 1' (H802759-10)

RTFY 8021R

BIEX 8021B	mg	/ kg	Anaiyze	а ву: м5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/02/2018	ND	1.74	87.2	2.00	1.91	
Toluene*	<0.050	0.050	10/02/2018	ND	1.92	95.9	2.00	1.57	
Ethylbenzene*	0.074	0.050	10/02/2018	ND	2.04	102	2.00	1.75	
Total Xylenes*	0.252	0.150	10/02/2018	ND	5.89	98.2	6.00	1.84	
Total BTEX	0.326	0.300	10/02/2018	ND					
Surrogate: 4-Bromofluorobenzene (PID	110	% 69.8-14	2						
Chloride, SM4500Cl-B	mg	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	18800	16.0	10/02/2018	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyze	ed By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<100	100	10/02/2018	ND	195	97.6	200	2.68	
DRO >C10-C28*	5800	100	10/02/2018	ND	179	89.7	200	7.09	
EXT DRO >C28-C36	1680	100	10/02/2018	ND					
Surrogate: 1-Chlorooctane	105	% 41-142	,						
Surrogate: 1-Chlorooctadecane	328	% 37.6-14	7						

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Celey D. Keene



Analytical Results For:

BBC International, Inc. Cliff Brunson

P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received: 09/28/2018 Sampling Date: 09/18/2018

Reported: 10/04/2018 Sampling Type: Soil

Project Name:HARROUN 15-8Sampling Condition:Cool & IntactProject Number:8-29-18Sample Received By:Tamara OldakerProject Location:MALAGA, NM

Sample ID: SP 2 @ 2' (H802759-11)

BTEX 8021B	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/02/2018	ND	1.74	87.2	2.00	1.91	
Toluene*	<0.050	0.050	10/02/2018	ND	1.92	95.9	2.00	1.57	
Ethylbenzene*	<0.050	0.050	10/02/2018	ND	2.04	102	2.00	1.75	
Total Xylenes*	<0.150	0.150	10/02/2018	ND	5.89	98.2	6.00	1.84	
Total BTEX	<0.300	0.300	10/02/2018	ND					
Surrogate: 4-Bromofluorobenzene (PID	108	% 69.8-14	2						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4400	16.0	10/02/2018	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/02/2018	ND	195	97.6	200	2.68	
DRO >C10-C28*	<10.0	10.0	10/02/2018	ND	179	89.7	200	7.09	
EXT DRO >C28-C36	<10.0	10.0	10/02/2018	ND					
Surrogate: 1-Chlorooctane	96.1	% 41-142							
Surrogate: 1-Chlorooctadecane	97.1	% 37.6-14	7						

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Analytical Results For:

BBC International, Inc.

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

Fax To: (575) 397-0397

Received: 09/28/2018

Reported: 10/04/2018 Project Name: HARROUN 15-8 Project Number: 8-29-18

Project Location: MALAGA, NM Sampling Date: 09/18/2018

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker

400

3.77

Sample ID: SP 2 @ 4' (H802759-12)

Chloride

Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1120	16.0	10/02/2018	ND	416	104	400	3.77	
Sample ID: SP 2 @ 6' (H8	802759-13)								
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	800	16.0	10/02/2018	ND	416	104	400	3.77	
Sample ID: SP 2 @ 8' (H8	302759-14)								
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	976	16.0	10/02/2018	ND	416	104	400	3.77	
Sample ID: SP 2 @ 9' (H8	802759-15)								
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier

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ND

416

10/02/2018

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

208

16.0



Analytical Results For:

BBC International, Inc. Cliff Brunson

P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received: 09/28/2018 Sampling Date: 09/18/2018

Reported: 10/04/2018 Sampling Type: Soil

Project Name: HARROUN 15-8 Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker Project Number: 8-29-18

Project Location: MALAGA, NM

Sample ID: SP 2 @ 10' (H802759-16)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/02/2018	ND	1.74	87.2	2.00	1.91	
Toluene*	<0.050	0.050	10/02/2018	ND	1.92	95.9	2.00	1.57	
Ethylbenzene*	< 0.050	0.050	10/02/2018	ND	2.04	102	2.00	1.75	
Total Xylenes*	<0.150	0.150	10/02/2018	ND	5.89	98.2	6.00	1.84	
Total BTEX	<0.300	0.300	10/02/2018	ND					
Surrogate: 4-Bromofluorobenzene (PID	107 9	69.8-14	2						
Chloride, SM4500CI-B	mg/	kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	10/02/2018	ND	416	104	400	3.77	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/02/2018	ND	195	97.6	200	2.68	
DRO >C10-C28*	<10.0	10.0	10/02/2018	ND	179	89.7	200	7.09	
EXT DRO >C28-C36	<10.0	10.0	10/02/2018	ND					
Surrogate: 1-Chlorooctane	95.7	% 41-142							
Surrogate: 1-Chlorooctadecane	94.4	% 37.6-14	7						

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Analytical Results For:

BBC International, Inc.

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

Fax To: (575) 397-0397

Received: 09/28/2018 Sampling Date: 09/18/2018

Reported: 10/04/2018 Sampling Type: Soil

Project Name: HARROUN 15-8 Sampling Condition: Cool & Intact Sample Received By: Project Number: 8-29-18 Tamara Oldaker

Project Location: MALAGA, NM

Sample ID: SP 3 @ SURFACE (H802759-17)

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/02/2018	ND	1.74	87.2	2.00	1.91	
Toluene*	0.159	0.050	10/02/2018	ND	1.92	95.9	2.00	1.57	
Ethylbenzene*	0.218	0.050	10/02/2018	ND	2.04	102	2.00	1.75	
Total Xylenes*	0.675	0.150	10/02/2018	ND	5.89	98.2	6.00	1.84	
Total BTEX	1.05	0.300	10/02/2018	ND					
Surrogate: 4-Bromofluorobenzene (PID	122 9	% 69.8-14	2						
Chloride, SM4500Cl-B	mg/	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	21600	16.0	10/02/2018	ND	416	104	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<100	100	10/02/2018	ND	195	97.6	200	2.68	
DRO >C10-C28*	14100	100	10/02/2018	ND	179	89.7	200	7.09	
EXT DRO >C28-C36	3530	100	10/02/2018	ND					
Surrogate: 1-Chlorooctane	104 9	% 41-142	?						
Surrogate: 1-Chlorooctadecane	569	% 37.6-14	7						

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Celey D. Keene



Tamara Oldaker

Sample Received By:

Analytical Results For:

BBC International, Inc.

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

Fax To: (575) 397-0397

Received: 09/28/2018 Sampling Date: 09/18/2018

Reported: 10/04/2018 Sampling Type: Soil Project Name: HARROUN 15-8 Sampling Condition: Cool & Intact

Project Number: 8-29-18 Project Location: MALAGA, NM

Sample ID: SP 3 @ 1' (H802759-18)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/02/2018	ND	1.74	87.2	2.00	1.91	
Toluene*	<0.050	0.050	10/02/2018	ND	1.92	95.9	2.00	1.57	
Ethylbenzene*	<0.050	0.050	10/02/2018	ND	2.04	102	2.00	1.75	
Total Xylenes*	<0.150	0.150	10/02/2018	ND	5.89	98.2	6.00	1.84	
Total BTEX	<0.300	0.300	10/02/2018	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 69.8-14	2						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	41200	16.0	10/02/2018	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/02/2018	ND	195	97.6	200	2.68	
DRO >C10-C28*	125	10.0	10/02/2018	ND	179	89.7	200	7.09	
EXT DRO >C28-C36	42.2	10.0	10/02/2018	ND					
Surrogate: 1-Chlorooctane	96.5	% 41-142							
Surrogate: 1-Chlorooctadecane	103	% 37.6-14	7						

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Celeg D. Keene



Analytical Results For:

BBC International, Inc. Cliff Brunson

P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received: 09/28/2018 Sampling Date: 09/18/2018

Reported: 10/04/2018 Sampling Type: Soil

Project Name: HARROUN 15-8 Sampling Condition: Cool & Intact Sample Received By: Project Number: 8-29-18 Tamara Oldaker

Project Location: MALAGA, NM

Sample ID: SP 3 @ 2' (H802759-19)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/02/2018	ND	1.74	87.2	2.00	1.91	
Toluene*	<0.050	0.050	10/02/2018	ND	1.92	95.9	2.00	1.57	
Ethylbenzene*	<0.050	0.050	10/02/2018	ND	2.04	102	2.00	1.75	
Total Xylenes*	<0.150	0.150	10/02/2018	ND	5.89	98.2	6.00	1.84	
Total BTEX	<0.300	0.300	10/02/2018	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 9	69.8-14	2						
Chloride, SM4500CI-B	mg/	kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5680	16.0	10/02/2018	ND	432	108	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/02/2018	ND	195	97.6	200	2.68	
DRO >C10-C28*	<10.0	10.0	10/02/2018	ND	179	89.7	200	7.09	
EXT DRO >C28-C36	<10.0	10.0	10/02/2018	ND					
Surrogate: 1-Chlorooctane	98.2	% 41-142	1						
Surrogate: 1-Chlorooctadecane	99.8	% 37.6-14	7						

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Celeg D. Freene



Analytical Results For:

BBC International, Inc.

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

Fax To: (575) 397-0397

Received: 09/28/2018 Sampling Date: 09/18/2018

Reported: 10/04/2018 Sampling Type: Soil

Project Name: HARROUN 15-8 Sampling Condition: Cool & Intact
Project Number: 8-29-18 Sample Received By: Tamara Oldaker

Project Location: MALAGA, NM

Sample ID: SP 3 @ 4' (H802759-20)

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD Qualifier

Chloride 3600 16.0 10/02/2018 ND 432 108 400 0.00

Sample ID: SP 3 @ 6' (H802759-21)

Chloride, SM4500Cl-B Analyzed By: AC mg/kg Reporting Limit Analyzed BS True Value QC RPD Qualifier Analyte Result Method Blank % Recovery Chloride 176 16.0 10/02/2018 432 400 0.00 ND 108

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Celey D. Keine



Analytical Results For:

BBC International, Inc. Cliff Brunson

P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received: 09/28/2018 Sampling Date: 09/19/2018

Reported: 10/04/2018 Sampling Type: Soil

Project Name: HARROUN 15-8 Sampling Condition: Cool & Intact
Project Number: 8-29-18 Sample Received By: Tamara Oldaker

Project Location: MALAGA, NM

Sample ID: SP 3 @ 7' (H802759-22)

BTEX 8021B	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/02/2018	ND	1.74	87.2	2.00	1.91	
Toluene*	<0.050	0.050	10/02/2018	ND	1.92	95.9	2.00	1.57	
Ethylbenzene*	<0.050	0.050	10/02/2018	ND	2.04	102	2.00	1.75	
Total Xylenes*	<0.150	0.150	10/02/2018	ND	5.89	98.2	6.00	1.84	
Total BTEX	<0.300	0.300	10/02/2018	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 69.8-14	2						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	10/02/2018	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/02/2018	ND	195	97.6	200	2.68	
DRO >C10-C28*	<10.0	10.0	10/02/2018	ND	179	89.7	200	7.09	
EXT DRO >C28-C36	<10.0	10.0	10/02/2018	ND					
Surrogate: 1-Chlorooctane	92.9	% 41-142	•						
Surrogate: 1-Chlorooctadecane	92.9	% 37.6-14	7						

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09/19/2018

Analytical Results For:

BBC International, Inc.

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

Fax To: (575) 397-0397

Received: 09/28/2018 Sampling Date:

Reported: 10/04/2018 Sampling Type: Soil
Project Name: HARROUN 15-8 Sampling Condition: Cool & Intact

Project Number: 8-29-18 Sample Received By: Tamara Oldaker
Project Location: MALAGA, NM

Sample ID: SP 4 @ SURFACE (H802759-23)

BTEX 8021B	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/02/2018	ND	1.74	87.2	2.00	1.91	
Toluene*	<0.050	0.050	10/02/2018	ND	1.92	95.9	2.00	1.57	
Ethylbenzene*	<0.050	0.050	10/02/2018	ND	2.04	102	2.00	1.75	
Total Xylenes*	<0.150	0.150	10/02/2018	ND	5.89	98.2	6.00	1.84	
Total BTEX	<0.300	0.300	10/02/2018	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 69.8-14	2						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5360	16.0	10/02/2018	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<50.0	50.0	10/02/2018	ND	195	97.6	200	2.68	
DRO >C10-C28*	3190	50.0	10/02/2018	ND	179	89.7	200	7.09	
EXT DRO >C28-C36	1790	50.0	10/02/2018	ND					
Surrogate: 1-Chlorooctane	99.0	% 41-142							
Surrogate: 1-Chlorooctadecane	227	% 37.6-14	7						

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MALAGA, NM

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

Analytical Results For:

BBC International, Inc. Cliff Brunson

P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received: 09/28/2018 Sampling Date: 09/19/2018

Reported: 10/04/2018 Sampling Type: Soil

Project Name: HARROUN 15-8 Sampling Condition: Cool & Intact
Project Number: 8-29-18 Sample Received By: Tamara Oldaker

Sample ID: SP 4 @ 1' (H802759-24)

Project Location:

BTEX 8021B	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/02/2018	ND	1.74	87.2	2.00	1.91	
Toluene*	<0.050	0.050	10/02/2018	ND	1.92	95.9	2.00	1.57	
Ethylbenzene*	<0.050	0.050	10/02/2018	ND	2.04	102	2.00	1.75	
Total Xylenes*	<0.150	0.150	10/02/2018	ND	5.89	98.2	6.00	1.84	
Total BTEX	<0.300	0.300	10/02/2018	ND					
Surrogate: 4-Bromofluorobenzene (PID	103 9	% 69.8-14	2						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3320	16.0	10/02/2018	ND	432	108	400	0.00	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/02/2018	ND	195	97.6	200	2.68	
DRO >C10-C28*	46.1	10.0	10/02/2018	ND	179	89.7	200	7.09	
EXT DRO >C28-C36	14.3	10.0	10/02/2018	ND					
Surrogate: 1-Chlorooctane	76.9	% 41-142							
Surrogate: 1-Chlorooctadecane	79.3	% 37.6-14	7						

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Analytical Results For:

BBC International, Inc. Cliff Brunson

P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received: 09/28/2018 Sampling Date: 09/19/2018

Reported: 10/04/2018 Sampling Type: Soil

Project Name: HARROUN 15-8 Sampling Condition: Cool & Intact
Project Number: 8-29-18 Sample Received By: Tamara Oldaker

Applyzod By: MC

Project Location: MALAGA, NM

ma/ka

Sample ID: SP 4 @ 2' (H802759-25)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	а ву: мѕ					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/02/2018	ND	1.74	87.2	2.00	1.91	
Toluene*	<0.050	0.050	10/02/2018	ND	1.92	95.9	2.00	1.57	
Ethylbenzene*	<0.050	0.050	10/02/2018	ND	2.04	102	2.00	1.75	
Total Xylenes*	<0.150	0.150	10/02/2018	ND	5.89	98.2	6.00	1.84	
Total BTEX	<0.300	0.300	10/02/2018	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 69.8-14.	2						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	7840	16.0	10/02/2018	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/02/2018	ND	195	97.6	200	2.68	
DRO >C10-C28*	<10.0	10.0	10/02/2018	ND	179	89.7	200	7.09	
EXT DRO >C28-C36	<10.0	10.0	10/02/2018	ND					
Surrogate: 1-Chlorooctane	92.0	% 41-142							
Surrogate: 1-Chlorooctadecane	90.5	% 37.6-14	7						

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Analytical Results For:

BBC International, Inc.

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

Fax To: (575) 397-0397

Received: 09/28/2018 Sampling Date: 09/19/2018

Reported: 10/04/2018 Sampling Type: Soil

Project Name: HARROUN 15-8 Sampling Condition: Cool & Intact
Project Number: 8-29-18 Sample Received By: Tamara Oldaker

Project Location: MALAGA, NM

Sample ID: SP 4 @ 4' (H802759-26)

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD Qualifier

Chloride 2080 16.0 10/02/2018 ND 432 108 400 0.00

Sample ID: SP 4 @ 6' (H802759-27)

Chloride, SM4500Cl-B Analyzed By: AC mg/kg Reporting Limit Analyzed BS True Value QC RPD Qualifier Analyte Result Method Blank % Recovery Chloride 288 16.0 10/02/2018 432 400 0.00 ND 108

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Analytical Results For:

BBC International, Inc. Cliff Brunson P.O. Box 805

Hobbs NM, 88241

Fax To: (575) 397-0397

Received: 09/28/2018 Sampling Date: 09/19/2018

Reported: 10/04/2018 Sampling Type: Soil

Project Name: HARROUN 15-8 Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker Project Number: 8-29-18

Project Location: MALAGA, NM

Sample ID: SP 4 @ 7' (H802759-28)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/02/2018	ND	1.74	87.2	2.00	1.91	
Toluene*	<0.050	0.050	10/02/2018	ND	1.92	95.9	2.00	1.57	
Ethylbenzene*	<0.050	0.050	10/02/2018	ND	2.04	102	2.00	1.75	
Total Xylenes*	<0.150	0.150	10/02/2018	ND	5.89	98.2	6.00	1.84	
Total BTEX	<0.300	0.300	10/02/2018	ND					
Surrogate: 4-Bromofluorobenzene (PID	106 %	69.8-14	2						
Chloride, SM4500Cl-B	mg/	kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	10/02/2018	ND	432	108	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/02/2018	ND	195	97.6	200	2.68	
DRO >C10-C28*	<10.0	10.0	10/02/2018	ND	179	89.7	200	7.09	
EXT DRO >C28-C36	<10.0	10.0	10/02/2018	ND					
Surrogate: 1-Chlorooctane	97.4 9	% 41-142							
Surrogate: 1-Chlorooctadecane	96.7	% 37.6-14	7						

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Analytical Results For:

BBC International, Inc.

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

Fax To: (575) 397-0397

Received: 09/28/2018

Reported: 10/04/2018
Project Name: HARROUN 15-8
Project Number: 8-29-18

Project Location: MALAGA, NM

mg/kg

Sampling Date: 09/19/2018

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SP 5 @ SURFACE (H802759-29)

BTEX 8021B

DILX GOZID	ıııg,	, kg	Andryzo	u by. 145					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.053	0.050	10/02/2018	ND	1.74	87.2	2.00	1.91	
Toluene*	1.21	0.050	10/02/2018	ND	1.92	95.9	2.00	1.57	
Ethylbenzene*	1.68	0.050	10/02/2018	ND	2.04	102	2.00	1.75	
Total Xylenes*	5.72	0.150	10/02/2018	ND	5.89	98.2	6.00	1.84	
Total BTEX	8.66	0.300	10/02/2018	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.9	% 69.8-14	2						
Chloride, SM4500CI-B	mg	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3400	16.0	10/02/2018	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	577	100	10/02/2018	ND	195	97.6	200	2.68	
DRO >C10-C28*	28000	100	10/02/2018	ND	179	89.7	200	7.09	
EXT DRO >C28-C36	6520	100	10/02/2018	ND					
Surrogate: 1-Chlorooctane	161	% 41-142							
Surrogate: 1-Chlorooctadecane	1070	% 37.6-14	7						

Analyzed By: MS

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Analytical Results For:

BBC International, Inc.

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

Fax To: (575) 397-0397

Received: 09/28/2018

Reported: 10/04/2018 Project Name: HARROUN 15-8 Project Number: 8-29-18

Project Location: MALAGA, NM Sampling Date: 09/19/2018

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker

Sample ID: SP 5 @ 1' (H802759-30)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/02/2018	ND	1.74	87.2	2.00	1.91	
Toluene*	0.067	0.050	10/02/2018	ND	1.92	95.9	2.00	1.57	
Ethylbenzene*	0.213	0.050	10/02/2018	ND	2.04	102	2.00	1.75	
Total Xylenes*	0.505	0.150	10/02/2018	ND	5.89	98.2	6.00	1.84	
Total BTEX	0.785	0.300	10/02/2018	ND					
Surrogate: 4-Bromofluorobenzene (PID	131 9	% 69.8-14	2						
Chloride, SM4500Cl-B	mg/	kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	49200	16.0	10/02/2018	ND	432	108	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	51.2	50.0	10/02/2018	ND	195	97.6	200	2.68	
DRO >C10-C28*	2720	50.0	10/02/2018	ND	179	89.7	200	7.09	
EXT DRO >C28-C36	626	50.0	10/02/2018	ND					
Surrogate: 1-Chlorooctane	112 9	% 41-142	1						
Surrogate: 1-Chlorooctadecane	193 9	% 37.6-14	7						

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Analytical Results For:

BBC International, Inc. Cliff Brunson

P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received: 09/28/2018 Sampling Date: 09/19/2018

Reported: 10/04/2018 Sampling Type: Soil

Project Name: HARROUN 15-8 Sampling Condition: Cool & Intact
Project Number: 8-29-18 Sample Received By: Tamara Oldaker

Analyzed By: me

Project Location: MALAGA, NM

ma/ka

Sample ID: SP 5 @ 2' (H802759-31)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	a By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/02/2018	ND	1.67	83.3	2.00	0.804	
Toluene*	<0.050	0.050	10/02/2018	ND	1.82	90.9	2.00	0.690	
Ethylbenzene*	<0.050	0.050	10/02/2018	ND	1.91	95.3	2.00	0.826	
Total Xylenes*	<0.150	0.150	10/02/2018	ND	5.75	95.9	6.00	0.810	
Total BTEX	<0.300	0.300	10/02/2018	ND					
Surrogate: 4-Bromofluorobenzene (PID	84.6	% 69.8-14.	2						
Chloride, SM4500CI-B	mg	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	34000	16.0	10/02/2018	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	10/02/2018	ND	193	96.7	200	0.990	
DRO >C10-C28*	<10.0	10.0	10/02/2018	ND	183	91.5	200	0.673	
EXT DRO >C28-C36	<10.0	10.0	10/02/2018	ND					
Surrogate: 1-Chlorooctane	75.5	% 41-142							
Surrogate: 1-Chlorooctadecane	76.2	% 37.6-14	7						

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Celey D. Keene



Analytical Results For:

BBC International, Inc. Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received: 09/28/2018 Reported: 10/04/2018

Project Name: HARROUN 15-8
Project Number: 8-29-18

mg/kg

Project Location: MALAGA, NM

Sampling Date: 09/19/2018

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SP 5 @ 3' (H802759-32)

BTEX 8021B

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/02/2018	ND	1.67	83.3	2.00	0.804	
Toluene*	<0.050	0.050	10/02/2018	ND	1.82	90.9	2.00	0.690	
Ethylbenzene*	<0.050	0.050	10/02/2018	ND	1.91	95.3	2.00	0.826	
Total Xylenes*	<0.150	0.150	10/02/2018	ND	5.75	95.9	6.00	0.810	
Total BTEX	<0.300	0.300	10/02/2018	ND					
Surrogate: 4-Bromofluorobenzene (PID	82.4	% 69.8-14.	2						
Chloride, SM4500Cl-B	mg/	kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	30800	16.0	10/02/2018	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	10/02/2018	ND	193	96.7	200	0.990	
DRO >C10-C28*	<10.0	10.0	10/02/2018	ND	183	91.5	200	0.673	
EXT DRO >C28-C36	<10.0	10.0	10/02/2018	ND					
Surrogate: 1-Chlorooctane	85.5	% 41-142							
Surrogate: 1-Chlorooctadecane	84.9	% 37.6-14	7						

Analyzed By: ms

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Celey D. Keene



Analytical Results For:

BBC International, Inc.

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

Fax To: (575) 397-0397

Received: 09/28/2018 Reported: 10/04/2018

Project Name: HARROUN 15-8
Project Number: 8-29-18

Project Location: MALAGA, NM

Sampling Date: 09/19/2018

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SP 5 @ 4' (H802759-33)

Chloride, SM4500CI-B	mg	mg/kg		d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	24000	16.0	10/02/2018	ND	432	108	400	0.00	
Sample ID: SP 5 @ 7' (H8	802759-34)								
Chloride, SM4500CI-B	mg	mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	41200	16.0	10/02/2018	ND	432	108	400	0.00	
Sample ID: SP 5 @ 9' (H8	802759-35)								
Chloride, SM4500Cl-B	mg	mg/kg		d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	38400	16.0	10/02/2018	ND	432	108	400	0.00	
Sample ID: SP 5 @ 12' (H	1802759-36)								
Chloride, SM4500CI-B	mg,	/kg	Analyze	Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	7200	16.0	10/02/2018	ND	432	108	400	0.00	
Sample ID: SP 5 @ 15' (H	1802759-37)								
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5440	16.0	10/02/2018	ND	432	108	400	0.00	

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Analytical Results For:

BBC International, Inc. Cliff Brunson

P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received: 09/28/2018 Sampling Date: 09/19/2018

Reported: 10/04/2018 Sampling Type: Soil

Project Name: HARROUN 15-8 Sampling Condition: Cool & Intact
Project Number: 8-29-18 Sample Received By: Tamara Oldaker

Analyzed By: ms

Project Location: MALAGA, NM

mg/kg

Sample ID: SP 5 @ 18' (H802759-38)

BTEX 8021B

	9,	9	7	7:					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/02/2018	ND	1.67	83.3	2.00	0.804	
Toluene*	<0.050	0.050	10/02/2018	ND	1.82	90.9	2.00	0.690	
Ethylbenzene*	<0.050	0.050	10/02/2018	ND	1.91	95.3	2.00	0.826	
Total Xylenes*	<0.150	0.150	10/02/2018	ND	5.75	95.9	6.00	0.810	
Total BTEX	<0.300	0.300	10/02/2018	ND					
Surrogate: 4-Bromofluorobenzene (PID	83.5	% 69.8-14	2						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3400	16.0	10/02/2018	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	10/02/2018	ND	193	96.7	200	0.990	
DRO >C10-C28*	<10.0	10.0	10/02/2018	ND	183	91.5	200	0.673	
EXT DRO >C28-C36	<10.0	10.0	10/02/2018	ND					
Surrogate: 1-Chlorooctane	89.6	% 41-142							
Surrogate: 1-Chlorooctadecane	88.8	% 37.6-14	7						

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Analytical Results For:

BBC International, Inc.

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

Fax To: (575) 397-0397

Received: 09/28/2018

Reported: 10/04/2018
Project Name: HARROUN 15-8
Project Number: 8-29-18

Project Location: MALAGA, NM

Sampling Date: 09/19/2018

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SP 6 @ SURFACE (H802759-39)

BTEX 8021B	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/02/2018	ND	1.67	83.3	2.00	0.804	
Toluene*	0.203	0.050	10/02/2018	ND	1.82	90.9	2.00	0.690	
Ethylbenzene*	0.408	0.050	10/02/2018	ND	1.91	95.3	2.00	0.826	
Total Xylenes*	2.09	0.150	10/02/2018	ND	5.75	95.9	6.00	0.810	
Total BTEX	2.70	0.300	10/02/2018	ND					
Surrogate: 4-Bromofluorobenzene (PID	90.2 9	% 69.8-14	2						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					

Result 48000 mg/	Reporting Limit	Analyzed 10/02/2018	Method Blank ND	BS 432	% Recovery	True Value QC 400	RPD 0.00	Qualifier QM-07
		.,.,		432	108	400	0.00	QM-07
mg/	/ka	A						
mg/kg		Analyzed By: MS					S-06	
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<100	100	10/02/2018	ND	193	96.7	200	0.990	
13900	100	10/02/2018	ND	183	91.5	200	0.673	
4290	100	10/02/2018	ND					
	Result	Result Reporting Limit <100 100 13900 100	Result Reporting Limit Analyzed <100 100 10/02/2018 13900 100 10/02/2018	Result Reporting Limit Analyzed Method Blank <100 100 10/02/2018 ND 13900 100 10/02/2018 ND	Result Reporting Limit Analyzed Method Blank BS <100 100 10/02/2018 ND 193 13900 100 10/02/2018 ND 183	Result Reporting Limit Analyzed Method Blank BS % Recovery <100 100 10/02/2018 ND 193 96.7 13900 100 10/02/2018 ND 183 91.5	Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC <100	Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD <100

Surrogate: 1-Chlorooctane 101 % 41-142 Surrogate: 1-Chlorooctadecane 729 % 37.6-147

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09/19/2018

Analytical Results For:

BBC International, Inc.

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

Fax To: (575) 397-0397

Received: 09/28/2018 Sampling Date:

Reported: 10/04/2018 Sampling Type: Soil

Project Name: HARROUN 15-8 Sampling Condition: Cool & Intact Project Number: 8-29-18 Sample Received By: Tamara Oldaker

Project Location: MALAGA, NM

Sample ID: SP 6 @ 1' (H802759-40)

BTEX 8021B	mg,	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/02/2018	ND	1.67	83.3	2.00	0.804	
Toluene*	<0.050	0.050	10/02/2018	ND	1.82	90.9	2.00	0.690	
Ethylbenzene*	<0.050	0.050	10/02/2018	ND	1.91	95.3	2.00	0.826	
Total Xylenes*	0.171	0.150	10/02/2018	ND	5.75	95.9	6.00	0.810	
Total BTEX	<0.300	0.300	10/02/2018	ND					
Surrogate: 4-Bromofluorobenzene (PID	84.8	% 69.8-14	2						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	18400	16.0	10/02/2018	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	10/02/2018	ND	193	96.7	200	0.990	
DRO >C10-C28*	1090	10.0	10/02/2018	ND	183	91.5	200	0.673	
EXT DRO >C28-C36	240	10.0	10/02/2018	ND					
Surrogate: 1-Chlorooctane	83.2	% 41-142							
Surrogate: 1-Chlorooctadecane	118	% 37.6-14	7						

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Analytical Results For:

BBC International, Inc. Cliff Brunson

P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received: 09/28/2018 Sampling Date: 09/20/2018

Reported: 10/04/2018 Sampling Type: Soil
Project Name: HARROUN 15-8 Sampling Condition: Cool & Intact

Project Number: 8-29-18 Sample Received By: Tamara Oldaker
Project Location: MALAGA, NM

Analyzed By: me

Sample ID: SP 6 @ 2' (H802759-41)

ma/ka

RTFY 8021R

BIEX 8021B	mg,	/кд	Anaiyze	ea By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/02/2018	ND	1.67	83.3	2.00	0.804	
Toluene*	< 0.050	0.050	10/02/2018	ND	1.82	90.9	2.00	0.690	
Ethylbenzene*	<0.050	0.050	10/02/2018	ND	1.91	95.3	2.00	0.826	
Total Xylenes*	<0.150	0.150	10/02/2018	ND	5.75	95.9	6.00	0.810	
Total BTEX	<0.300	0.300	10/02/2018	ND					
Surrogate: 4-Bromofluorobenzene (PID	79.7	% 69.8-14.	2						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	11100	16.0	10/02/2018	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	10/02/2018	ND	193	96.7	200	0.990	
DRO >C10-C28*	40.5	10.0	10/02/2018	ND	183	91.5	200	0.673	
EXT DRO >C28-C36	11.0	10.0	10/02/2018	ND					
Surrogate: 1-Chlorooctane	81.3	% 41-142							
Surrogate: 1-Chlorooctadecane	83.2	% 37.6-14	7						

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Analytical Results For:

BBC International, Inc. Cliff Brunson

P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

 Received:
 09/28/2018
 Sampling Date:
 09/20/2018

 Reported:
 10/04/2018
 Sampling Type:
 Soil

Project Name: HARROUN 15-8 Sampling Condition: Cool & Intact
Project Number: 8-29-18 Sample Received By: Tamara Oldaker

Project Location: MALAGA, NM

Sample ID: SP 6 @ 3' (H802759-42)

BTEX 8021B	mg,	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/02/2018	ND	1.67	83.3	2.00	0.804	
Toluene*	<0.050	0.050	10/02/2018	ND	1.82	90.9	2.00	0.690	
Ethylbenzene*	<0.050	0.050	10/02/2018	ND	1.91	95.3	2.00	0.826	
Total Xylenes*	<0.150	0.150	10/02/2018	ND	5.75	95.9	6.00	0.810	
Total BTEX	<0.300	0.300	10/02/2018	ND					
Surrogate: 4-Bromofluorobenzene (PID	80.8	% 69.8-14	2						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	13300	16.0	10/02/2018	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	10/02/2018	ND	193	96.7	200	0.990	
DRO >C10-C28*	24.3	10.0	10/02/2018	ND	183	91.5	200	0.673	
EXT DRO >C28-C36	<10.0	10.0	10/02/2018	ND					
Surrogate: 1-Chlorooctane	90.8	% 41-142	ı						
Surrogate: 1-Chlorooctadecane	91.8	% 37.6-14	7						

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Celey D. Keene

Qualifier



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

Analytical Results For:

BBC International, Inc.

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

Fax To: (575) 397-0397

Received: 09/28/2018

Reported: 10/04/2018
Project Name: HARROUN 15-8
Project Number: 8-29-18

Project Location: MALAGA, NM

ma/ka

Sampling Date: 09/20/2018

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SP 6 @ 4' (H802759-43)

Chloride, SM4500Cl-B	mg/kg	Analyz	ed By: AC				
Analyte	Result Reportin	ng Limit Analyzed	Method Blank	BS	% Recovery	True Value OC	RPD

Chloride 14400 16.0 10/02/2018 ND 432 108 400 0.00

Sample ID: SP 6 @ 7' (H802759-44)

Chloride, SM4500Cl-B

 	3,	<u> </u>							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	20400	16.0	10/02/2018	ND	432	108	400	0.00	

Analyzed By: AC

Sample ID: SP 6 @ 9' (H802759-45)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1760	16.0	10/02/2018	ND	432	108	400	0.00	

Sample ID: SP 6 @ 12' (H802759-46)

Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	8800	16.0	10/02/2018	ND	432	108	400	0.00	

Sample ID: SP 6 @ 15' (H802759-47)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5760	16.0	10/02/2018	ND	432	108	400	0.00	

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Celey D. Keene



Analytical Results For:

BBC International, Inc. Cliff Brunson

P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received: 09/28/2018 Sampling Date: 09/20/2018

Reported: 10/04/2018 Sampling Type: Soil

Project Name: HARROUN 15-8 Sampling Condition: Cool & Intact Sample Received By: Project Number: 8-29-18 Tamara Oldaker

Project Location: MALAGA, NM

Sample ID: SP 6 @ 18' (H802759-48)

BTEX 8021B	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/02/2018	ND	1.67	83.3	2.00	0.804	
Toluene*	<0.050	0.050	10/02/2018	ND	1.82	90.9	2.00	0.690	
Ethylbenzene*	<0.050	0.050	10/02/2018	ND	1.91	95.3	2.00	0.826	
Total Xylenes*	<0.150	0.150	10/02/2018	ND	5.75	95.9	6.00	0.810	
Total BTEX	<0.300	0.300	10/02/2018	ND					
Surrogate: 4-Bromofluorobenzene (PID	82.8	% 69.8-14	2						
Chloride, SM4500Cl-B	mg/	kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6960	16.0	10/02/2018	ND	432	108	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/02/2018	ND	193	96.7	200	0.990	
DRO >C10-C28*	142	10.0	10/02/2018	ND	183	91.5	200	0.673	
EXT DRO >C28-C36	14.4	10.0	10/02/2018	ND					
Surrogate: 1-Chlorooctane	88.1	% 41-142	ı						
Surrogate: 1-Chlorooctadecane	95.3	% 37.6-14	7						

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Celey D. Keine



Analytical Results For:

BBC International, Inc. Cliff Brunson

P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received: 09/28/2018 Sampling Date: 09/20/2018

Reported: 10/04/2018 Sampling Type: Soil

Project Name: HARROUN 15-8 Sampling Condition: Cool & Intact Sample Received By: Project Number: 8-29-18 Tamara Oldaker

Project Location: MALAGA, NM

Sample ID: SP 7 @ SURFACE (H802759-49)

BTEX 8021B	mg,	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/02/2018	ND	1.67	83.3	2.00	0.804	
Toluene*	<0.050	0.050	10/02/2018	ND	1.82	90.9	2.00	0.690	
Ethylbenzene*	<0.050	0.050	10/02/2018	ND	1.91	95.3	2.00	0.826	
Total Xylenes*	0.177	0.150	10/02/2018	ND	5.75	95.9	6.00	0.810	
Total BTEX	<0.300	0.300	10/02/2018	ND					
Surrogate: 4-Bromofluorobenzene (PID	78.4	% 69.8-14	2						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3920	16.0	10/02/2018	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<100	100	10/02/2018	ND	193	96.7	200	0.990	
DRO >C10-C28*	6550	100	10/02/2018	ND	183	91.5	200	0.673	
EXT DRO >C28-C36	1930	100	10/02/2018	ND					
Surrogate: 1-Chlorooctane	66.4	% 41-142	!						
Surrogate: 1-Chlorooctadecane	362	% 37.6-14	7						

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Analytical Results For:

BBC International, Inc.

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

Fax To: (575) 397-0397

Received: 09/28/2018 Reported:

10/04/2018 Project Name: HARROUN 15-8

Project Number: 8-29-18 Project Location: MALAGA, NM Sampling Date: 09/20/2018

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker

Sample ID: SP 7 @ 1' (H802759-50)

BTEX 8021B	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/02/2018	ND	1.67	83.3	2.00	0.804	
Toluene*	<0.050	0.050	10/02/2018	ND	1.82	90.9	2.00	0.690	
Ethylbenzene*	<0.050	0.050	10/02/2018	ND	1.91	95.3	2.00	0.826	
Total Xylenes*	<0.150	0.150	10/02/2018	ND	5.75	95.9	6.00	0.810	
Total BTEX	<0.300	0.300	10/02/2018	ND					
Surrogate: 4-Bromofluorobenzene (PID	80.9	% 69.8-14	2						
Chloride, SM4500Cl-B	mg/	kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16500	16.0	10/02/2018	ND	432	108	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/02/2018	ND	193	96.7	200	0.990	
DRO >C10-C28*	1110	10.0	10/02/2018	ND	183	91.5	200	0.673	
EXT DRO >C28-C36	232	10.0	10/02/2018	ND					
Surrogate: 1-Chlorooctane	93.0	% 41-142	!						
Surrogate: 1-Chlorooctadecane	129 9	37.6-14	7						

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MALAGA, NM

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

Analytical Results For:

BBC International, Inc.

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

Fax To: (575) 397-0397

Received: 09/28/2018 Sampling Date: 09/20/2018

Reported: 10/04/2018 Sampling Type: Soil

Project Name: HARROUN 15-8 Sampling Condition: Cool & Intact
Project Number: 8-29-18 Sample Received By: Tamara Oldaker

Sample ID: SP 7 @ 2' (H802759-51)

Project Location:

BTEX 8021B	mg,	'kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/02/2018	ND	1.67	83.3	2.00	0.804	
Toluene*	<0.050	0.050	10/02/2018	ND	1.82	90.9	2.00	0.690	
Ethylbenzene*	<0.050	0.050	10/02/2018	ND	1.91	95.3	2.00	0.826	
Total Xylenes*	<0.150	0.150	10/02/2018	ND	5.75	95.9	6.00	0.810	
Total BTEX	<0.300	0.300	10/02/2018	ND					
Surrogate: 4-Bromofluorobenzene (PID	80.0	% 69.8-14	2						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6130	16.0	10/02/2018	ND	432	108	400	0.00	
TPH 8015M	mg,	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/02/2018	ND	193	96.7	200	0.990	
DRO >C10-C28*	20.7	10.0	10/02/2018	ND	183	91.5	200	0.673	
EXT DRO >C28-C36	10.2	10.0	10/02/2018	ND					
Surrogate: 1-Chlorooctane	88.1	% 41-142							
Surrogate: 1-Chlorooctadecane	91.8	% 37.6-14	7						

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Analytical Results For:

BBC International, Inc. Cliff Brunson P.O. Box 805

Hobbs NM, 88241

Fax To: (575) 397-0397

Received: 09/28/2018 Reported: 10/04/2018

Project Name: HARROUN 15-8
Project Number: 8-29-18

Project Location: MALAGA, NM

mg/kg

Sampling Date: 09/20/2018

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SP 7 @ 3' (H802759-52)

BTEX 8021B

DILX GOZID	ıııg,	ng .	Allulyzo	u by. III3					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/02/2018	ND	1.67	83.3	2.00	0.804	
Toluene*	<0.050	0.050	10/02/2018	ND	1.82	90.9	2.00	0.690	
Ethylbenzene*	<0.050	0.050	10/02/2018	ND	1.91	95.3	2.00	0.826	
Total Xylenes*	<0.150	0.150	10/02/2018	ND	5.75	95.9	6.00	0.810	
Total BTEX	<0.300	0.300	10/02/2018	ND					
Surrogate: 4-Bromofluorobenzene (PID	80.4	% 69.8-14.	2						
Chloride, SM4500CI-B	mg/	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	11600	16.0	10/02/2018	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/02/2018	ND	193	96.7	200	0.990	
DRO >C10-C28*	<10.0	10.0	10/02/2018	ND	183	91.5	200	0.673	
EXT DRO >C28-C36	<10.0	10.0	10/02/2018	ND					
Surrogate: 1-Chlorooctane	87.0	% 41-142							
Surrogate: 1-Chlorooctadecane	87.5	% 37.6-14	7						

Analyzed By: ms

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Analytical Results For:

BBC International, Inc.

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

Fax To: (575) 397-0397

Received: 09/28/2018

Reported: 10/04/2018 Project Name: HARROUN 15-8 8-29-18

Project Number: Project Location: MALAGA, NM Sampling Date: 09/20/2018

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker

Sample ID: SP 7 @ 5' (H802759-53)

Chloride, SM4500Cl-B mg/kg

Analyzed By: AC

Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD Qualifier

Chloride 12400 10/02/2018 ND 432 400 0.00 16.0 108

Sample ID: SP 7 @ 8' (H802759-54)

Chloride, SM4500Cl-B Analyzed By: AC mg/kg Analyzed BS True Value QC RPD Analyte Result Reporting Limit Method Blank Qualifier % Recovery Chloride 1810 16.0 10/02/2018 432 400 0.00 ND 108

Sample ID: SP 7 @ 11' (H802759-55)

Chloride, SM4500Cl-B mg/kg Analyzed By: AC Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD Qualifier Chloride 48.0 10/02/2018 ND 432 400 0.00 16.0 108

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Analytical Results For:

BBC International, Inc.

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

Fax To: (575) 397-0397

Received: 09/28/2018 Sampling Date: 09/20/2018 Reported: 10/04/2018 Sampling Type: Soil

Project Name: HARROUN 15-8 Sampling Condition: Cool & Intact Project Number: 8-29-18 Sample Received By: Tamara Oldaker

Project Location: MALAGA, NM

Sample ID: SP 7 @ 12' (H802759-56)

BTEX 8021B	mg	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/02/2018	ND	1.67	83.3	2.00	0.804	
Toluene*	<0.050	0.050	10/02/2018	ND	1.82	90.9	2.00	0.690	
Ethylbenzene*	<0.050	0.050	10/02/2018	ND	1.91	95.3	2.00	0.826	
Total Xylenes*	<0.150	0.150	10/02/2018	ND	5.75	95.9	6.00	0.810	
Total BTEX	<0.300	0.300	10/02/2018	ND					
Surrogate: 4-Bromofluorobenzene (PID	79.6	% 69.8-14	2						
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	10/02/2018	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/02/2018	ND	193	96.7	200	0.990	
DRO >C10-C28*	69.6	10.0	10/02/2018	ND	183	91.5	200	0.673	
EXT DRO >C28-C36	29.1	10.0	10/02/2018	ND					
Surrogate: 1-Chlorooctane	92.6	% 41-142	?						
Surrogate: 1-Chlorooctadecane	98.1	% 37.6-14	7						

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Analytical Results For:

BBC International, Inc. Cliff Brunson P.O. Box 805

Hobbs NM, 88241

Fax To: (575) 397-0397

Received: 09/28/2018 Sampling Date: 09/20/2018

Reported: 10/04/2018 Sampling Type: Soil

Project Name: HARROUN 15-8 Sampling Condition: Cool & Intact
Project Number: 8-29-18 Sample Received By: Tamara Oldaker

Analyzed By: me

Project Location: MALAGA, NM

ma/ka

Sample ID: NORTH (H802759-57)

RTFY 8021R

B1EX 8021B	mg,	кg	Anaiyze	a By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/02/2018	ND	1.67	83.3	2.00	0.804	
Toluene*	<0.050	0.050	10/02/2018	ND	1.82	90.9	2.00	0.690	
Ethylbenzene*	<0.050	0.050	10/02/2018	ND	1.91	95.3	2.00	0.826	
Total Xylenes*	<0.150	0.150	10/02/2018	ND	5.75	95.9	6.00	0.810	
Total BTEX	<0.300	0.300	10/02/2018	ND					
Surrogate: 4-Bromofluorobenzene (PID	80.3	% 69.8-14.	2						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	10/02/2018	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/02/2018	ND	193	96.7	200	0.990	
DRO >C10-C28*	<10.0	10.0	10/02/2018	ND	183	91.5	200	0.673	
EXT DRO >C28-C36	<10.0	10.0	10/02/2018	ND					
Surrogate: 1-Chlorooctane	88.5	% 41-142	ı						
Surrogate: 1-Chlorooctadecane	88.3	% 37.6-14	7						

Surrogate: 1-Chlorooctadecane 88.3 % 3/.6-14/

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Analytical Results For:

BBC International, Inc. Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received: 09/28/2018 Reported: 10/04/2018

Project Name: HARROUN 15-8 Project Number: 8-29-18

MALAGA, NM

ma/ka

Sampling Date: 09/20/2018

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker

Sample ID: EAST (H802759-58)

Project Location:

RTFY 8021R

BIEX 8021B	mg	/ kg	Anaiyze	a By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/02/2018	ND	1.74	86.8	2.00	0.736	
Toluene*	<0.050	0.050	10/02/2018	ND	1.86	93.2	2.00	0.845	
Ethylbenzene*	<0.050	0.050	10/02/2018	ND	1.97	98.5	2.00	1.41	
Total Xylenes*	<0.150	0.150	10/02/2018	ND	5.87	97.8	6.00	0.609	
Total BTEX	<0.300	0.300	10/02/2018	ND					
Surrogate: 4-Bromofluorobenzene (PID	83.6	% 69.8-14	2						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	10/02/2018	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/02/2018	ND	193	96.7	200	0.990	
DRO >C10-C28*	<10.0	10.0	10/02/2018	ND	183	91.5	200	0.673	
EXT DRO >C28-C36	<10.0	10.0	10/02/2018	ND					
Surrogate: 1-Chlorooctane	88.6	% 41-142	•						
Surrogate: 1-Chlorooctadecane	89.5	% 37.6-14	7						

Analyzed By: me

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Celeg D. Freene



Analytical Results For:

BBC International, Inc. Cliff Brunson P.O. Box 805

Hobbs NM, 88241

Fax To: (575) 397-0397

Received: 09/28/2018 Sampling Date: 09/20/2018 Reported: 10/04/2018 Sampling Type: Soil

Project Name: HARROUN 15-8 Sampling Condition: Cool & Intact Sample Received By: Project Number: 8-29-18 Tamara Oldaker

Project Location: MALAGA, NM

Sample ID: WEST (H802759-59)

BTEX 8021B	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/02/2018	ND	1.74	86.8	2.00	0.736	
Toluene*	<0.050	0.050	10/02/2018	ND	1.86	93.2	2.00	0.845	
Ethylbenzene*	<0.050	0.050	10/02/2018	ND	1.97	98.5	2.00	1.41	
Total Xylenes*	<0.150	0.150	10/02/2018	ND	5.87	97.8	6.00	0.609	
Total BTEX	<0.300	0.300	10/02/2018	ND					
Surrogate: 4-Bromofluorobenzene (PID	83.8 9	69.8-14	2						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	10/02/2018	ND	432	108	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/02/2018	ND	193	96.7	200	0.990	
DRO >C10-C28*	<10.0	10.0	10/02/2018	ND	183	91.5	200	0.673	
EXT DRO >C28-C36	<10.0	10.0	10/02/2018	ND					
Surrogate: 1-Chlorooctane	87.3 9	% 41-142	ı						
Surrogate: 1-Chlorooctadecane	87.7 9	% 37.6-14	7						

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Celeg D. Freene



Analytical Results For:

BBC International, Inc. Cliff Brunson P.O. Box 805

Hobbs NM, 88241

Fax To: (575) 397-0397

Received: 09/28/2018 Sampling Date: 09/20/2018

Reported: 10/04/2018 Sampling Type: Soil

Project Name: HARROUN 15-8 Sampling Condition: Cool & Intact Sample Received By: Project Number: 8-29-18 Tamara Oldaker

Project Location: MALAGA, NM

Sample ID: SOUTH (H802759-60)

BTEX 8021B	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/02/2018	ND	1.74	86.8	2.00	0.736	
Toluene*	<0.050	0.050	10/02/2018	ND	1.86	93.2	2.00	0.845	
Ethylbenzene*	< 0.050	0.050	10/02/2018	ND	1.97	98.5	2.00	1.41	
Total Xylenes*	<0.150	0.150	10/02/2018	ND	5.87	97.8	6.00	0.609	
Total BTEX	<0.300	0.300	10/02/2018	ND					
Surrogate: 4-Bromofluorobenzene (PID	84.8	% 69.8-14	2						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	10/02/2018	ND	432	108	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/02/2018	ND	193	96.7	200	0.990	
DRO >C10-C28*	<10.0	10.0	10/02/2018	ND	183	91.5	200	0.673	
EXT DRO >C28-C36	<10.0	10.0	10/02/2018	ND					
Surrogate: 1-Chlorooctane	89.8	% 41-142	ı						
Surrogate: 1-Chlorooctadecane	91.6	% 37.6-14	7						

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Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager

*=Accredited Analyte



Notes and Definitions

S-06 The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or

matrix interference's.

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

recovery.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

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

*** Insufficient time to reach temperature.

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

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

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Celey D. Keine

Relinquished By

Time:

Received By:

Relinquished B

4-28-18

Phone Result: Fax Result: REMARKS:

☐ Yes

ON O

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: BBC International, I	ARDINAL LABORATORIES 101 East Marland, Hobbs, NM 882 (505) 393-2326 FAX (505) 393-247
onal, Inc.	NAL LABORATORIES East Marland, Hobbs, NM 88240) 393-2326 FAX (505) 393-2476

Company Name: BBC International, Inc.		BILL TO	ANALYSIS REQUEST	
		P.O. #:		
Address: P.O. Box 805		Company:		
city: Hobbs State: NM	1 zip: 88241	Attn:	/6	
-397-6388 Fax #:	575-397-0397	Address:	n ,	
Project #: Project Owner:	ner: ØXY	City:	6	
ame: Harrown	0-25-10	State: Zip:	× ×	
on: M2/252		Phone #:	5/-	
00		Fax #:	7.7.	
FOR LAB USE ONLY		PRESERV. SAMPLING	DH B	
Lab I.D. Sample I.D.	(G)RAB OR (C)C # CONTAINERS GROUNDWATE WASTEWATER SOIL OIL SLUDGE	OTHER: ACID/BASE: ICE / COOL OTHER: DATE	77	
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PLEASE NOTE: Liability and Damages. Cardina's liability and client's exclusive remedy for any claim arising whether flased in contract or tort, shall be limited to the amount paid by the client for the	dy for any claim arising whether based in contra	ct or tort, shall be limited to the amount paid by the cli	ent for the	

† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476

5.40

Sample Condition
Cool Intact
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No No

CHECKED BY: (Initials)

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

ompany manner. DDC IIIleIIIallOllal, IIIC.
Omnany Name: BBC International Inc
(505) 393-2326 FAX (505) 393-2476
101 East Marland, Hobbs, NM 88240
ARDINAL LABORATORIES
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Company Name:	Company Name: BBC International, Inc.		BILL TO		ANALYSIS REQUEST	
Project Manager:	Cliff Brunson		P.O. #:	,		
Address: P.O. E	Box 805		Company:	60		
city: Hobbs	State: NM	Zip: 88241	Attn:	0		
Phone #: 575-397-6388	Fax #:	575-397-0397	Address:			
Project #:	Project	1X 0 xi	City:	1. T.		
Project Name:	Haran 15:0	01.52,8	State: Zip:	X TE 1-		
Project Location:	M2/282		Phone #:	EBC		
Sampler Name:	101		Fax #:			
FOR LAB USE ONLY		P. MATRIX	PRESERV. SAMPLING	214		
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CUSTODY AND ANALYSIS REQUEST

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Company Name: BBC International, Inc.		BILL TO			ANALYSIS REQUEST	
Project Manager: Cliff Brunson		P.O. #:				
Address: P.O. Box 805		Company:				
City: Hobbs State: NM	Zip: 88241	Attn:	/			
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and Damages. Cardinal's liability and client's exclusive rem ling those for negligence and any other cause whatsoever Cardinal be liable for incidental or consequental damages, into our of or saladed for the performance of services hearing	edy for any claim arising whether based in contract or t shall be deemed waived unless made in writing and rec shall be deemed waived unless made in writing and rec including without limitation, business interruptions, loss for hy Cardinal recognitions of whether such claim is by for hy Cardinal recognitions.	or tort, shall be limited to the amount paid received by Cardinal within 30 days after oss of use, or loss of profits incurred by distance the based upon any of the above stated real	by the client for the completion of the application, its subsidiaries, sons or otherwise.	able		
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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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CHECKED BY: (Initials)

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Sampler - UPS - Bus - Other:

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name:	BBC International Inc		BILL TO		ANALYSIS REQUEST
Project Manager:			P.O. #:		
Address: P.O. B	Box 805		Company:		
city: Hobbs	State: NM	Zip: 88241	Attn:	de	
Phone #: 575-397-6388	Fax#:	575-397-0397	Address:	en	
Project #:	Project C	· OKY	City:	fe	
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Sampler Name:	10 1		Fax #:		
FOR LAB USE ONLY		MATRIX	PRESERV. SAMI	3	
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE	OTHER: ACID/BASE: ICE / COOL OTHER: DATE	TIME	
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PLEASE NOTE: Liability and analyses. All claims including service. In no event shall Carc	ability and client's exclusive remedy for nd any other cause whatsoever shall by intal or consequental damages, including parformance of services hereinder by	any claim arising whether based in contract or to a deemed walved unless made in writing and rec so deemed walved unless made in writing and rec gwithout limitation, business interruptions, loss gwithout limitation, business interruptions, loss Cardinal, recardless of whether such dalm is bo	in contract or tort, shall be limited to the arrow writing and received by Cardinal within 30 day muptions, loss of use, or loss of profits incurrer uch claim is based upon any of the above state	libe timited to the amount paid by the cerem for the sy Cardmal within 30 days after completion of the applicable or loss of profits incurred by client, its substituties, on any of the above statled reasonts or otherwise.	
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Relinquished By:	Date:	Received By:			
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Date: Time: nalyses. All claims including those for negligence and any other

of profits incurred by client, its subsidiaries,

Phone Result:
Fax Result:
REMARKS:

□ Yes

O No

Add'l Fax #:

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Marie DDC IIItel IIduolidi, IIIC.		Pien . o		The second name of the second na	L
Project Manager: Cliff Brunson	P.O. #:	7.			
Address: P.O. Box 805	Company:	any:	0		
city: Hobbs State: NM	Zip: 88241 Attn:		//		
5-397-6388 Fax #:	575-397-0397 Address:	ess:	0		_
Project #: Project Owner:	r. OXY city:		le.		
ame: Harou	625-16 State:	: Zip:	×7		
on: M2/252	Phone #:	e #:	EL		
Sampler Name:	Fax #		7		
FOR LAB USE ONLY	MATRIX	PRESERV. SAMPLING	H B		
Lab I.D. Sample I.D.	(G)RAB OR (C)OM # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER: ACID/BASE:	ICE / COOL OTHER: DATE	TP		
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Sample Condition
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No No

CHECKED BY: (Initials)

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



October 18, 2018

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: HARROUN 15 #008

Enclosed are the results of analyses for samples received by the laboratory on 10/16/18 15:55.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-18-11. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/ga/lab accred certif.html.

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

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

Accreditation applies to public drinking water matrices.

Celey D. Keene

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

BBC International, Inc.

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

Fax To: (575) 397-0397

Received: 10/16/2018 Sampling Date: 10/10/2018

Reported: 10/18/2018 Sampling Type: Soil

Project Name: HARROUN 15 #008 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Project Location: EDDY COUNTY, NM

Sample ID: SB 1 @ 20' (H802966-01)

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD Qualifier

Chloride 6000 16.0 10/18/2018 ND 416 104 400 3.77

Sample ID: SB 1 @ 25' (H802966-02)

Chloride, SM4500Cl-B Analyzed By: AC Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD Qualifier Chloride 13300 16.0 10/18/2018 ND 416 104 400 3.77

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Celey D. Keene



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

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Celeg D. Freene

Page 4 of 4

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

ARDINAL LABORATORIES
101 East Marland, Hobbs, NM 88240

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

Company Name:	BBC International, Inc.	nc.	BILL TO	ANA	ANALYSIS REQUEST
Project Manager:			P.O. #:		
Address: P.O. Box 805	Box 805		Company: KU		
city: Hobbs		State: NM Zip: 88241	Attn: Tranco		
Phone #: 575-3	575-397-6388 Fa	Fax #: 575-397-0397	Address:		
Project #:	P	Project Owner: Oxy	City:		
Project Name: H	Project Name: HARROUN 15 #008		State: Zip:		
Project Location:	EDDY COUNTY, NM		#		
Sampler Name:	Jeff Ornelas		Fax #:		
FOR LAB USE ONLY		MATRIX	PRESERV. SAMPLING		
Lab I.D.	Sample I.D.	AB OR (C)OMP NTAINERS JNDWATER FEWATER	R: BASE: COOL	(
H802914		# COI GROI WAST SOIL	DATE	TIME	
-	SB1@ 20'	_	(PM ✓	
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	1				
PLEASE NOTE: Liability and	Damages, Cardinal's liability and client's e	PLEASE NOTE: Liability and Damaces, Cardinal's liability and client's exclusive remedy for any claim assisting whether based in posterior cost, shall be liability and client's exclusive remedy for any claim assisting whether based in posterior cost, shall be liability and client's exclusive remedy for any claim assisting whether based in posterior cost, and the amount of the amount of the cost of th	and or lost shall be limited to the amount point by the	Control for the	
analyses, All claims including service. In no event shall Ca affiliates or successors arisin	alhose for negligence and any other cause rdinal be liable for incidental or consequents out of or related to the performance of ser	analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in witing and receive by Cardinal within 30 days and the applicable service. In no event shall Cardinal be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such daim is based upon any of the above stated trassors or otherwise.	and received by Cardinal within 30 days after completion of the rs, loss of use, or loss of profits incurred by client, its subsidiarie in is based upon any of the above stated reasons or otherwise.	cline to the applicable subsidiaries, otherwise.	
Relinquished By	. , D	Date: ID Received By:	V	ılt: ☐ Yes ☐ No	Add'l Phone #:
Relinquished By:	Software Company	Time: Received By: Ime:	Fax	No No	Fax #:
Delivered By: (Circle One)		Sample Condition	CH		
Sampler - UPS - Bus - Other:	١	1.0 the Cool Intact	es (Initials)		

† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476

95/



October 18, 2018

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: HARROUN 15 #008

Enclosed are the results of analyses for samples received by the laboratory on 10/16/18 15:55.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-18-11. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/ga/lab accred certif.html.

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

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

Celey D. Keine

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,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

BBC International, Inc.

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

Fax To: (575) 397-0397

Received: 10/16/2018 Sampling Date: 10/10/2018
Reported: 10/18/2018 Sampling Type: Water

Project Name: HARROUN 15 #008 Sampling Condition: Cool & Intact
Project Number: (8/29/18) Sample Received By: Tamara Oldaker

Project Location: EDDY COUNTY, NM

Sample ID: WATER 1 (H802967-01)

Chloride, SM4500Cl-B	mg	/L	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride*	41000	4.00	10/17/2018	ND	104	104	100	0.00	

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 whistoever 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 & Keene



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

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Celey D. Keene

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST \ \ \ \ \ \ \ \ \

Page 4 of 4

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

Company Name: BBC International, Inc.		BILL TO		ANALYSIS REQUEST	
Project Manager: Cliff Brunson	70	P.O.#:			
Address: P.O. Box 805		Company: OK4			
City: Hobbs State: NM	Zip: 88241	Attn: DATO			
Phone #: 575-397-6388 Fax #: 57	5-397-0397	Address:			
Project #: Project Owner: Oxy		City:			
ame: Harroun 15 #008 (8/2		State: Zip:			
Project Location: Eddy County, NM	70	#			
Sampler Name: Jeff Ornelas		Fax #:			
	MATRIX	PRESERV. SAMPLING			_
Lab I.D. Sample I.D.	# CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE	OTHER: ACID/BASE: ICE / COOL OTHER: DATE	CI		
Water 1	1	10/10/18 3:	n 🗸		\perp
La Collegia					
PLEASE NOTE: Liability and Damages. Cardinat's liability and client's exclusive remedy for any claim arising whether based in contract or lort, shall be limited to the amount paid by the client for the 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 30 days after completion of the applicable service. In no event shall Cardinal be labels for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries,	or any claim arising whether based in contract or be deemed waived unless made in writing and re ding without limitation, business interruptions, los	r lorf, shall be limited to the amount paid by the clien eceived by Cardinal within 30 days after completion as of use, or loss of profits incurred by client, its subs	I for the of the applicable sidiaries,		L
Relinquished By:	Received By:	Phone Result:	ult: O Yes O		Ц
MACE: STILL SULMING THE	W.	Fax Result: REMARKS:	☐ Yes		
	Received/By:	11110			

1.00

Sample Condition

CHECKED BY (Initials) 4

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



April 06, 2023

BEAUX JENNINGS

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: HARROUN 15 # 008

Enclosed are the results of analyses for samples received by the laboratory on 04/03/23 11:55.

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

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

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

Accreditation applies to public drinking water matrices.

Celey D. Keene

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

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

Received: 04/03/2023 Reported: 04/06/2023

Project Name: HARROUN 15 # 008 Project Number: 03B1417046

Project Location: 32.21947,-103.97515 Sampling Date: 03/31/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker

Sample ID: FS - 1 8' (H231512-01)

BTEX 8021B	mg/	'L	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/03/2023	ND	1.95	97.3	2.00	1.16	
Toluene*	<0.050	0.050	04/03/2023	ND	2.02	101	2.00	1.77	
Ethylbenzene*	<0.050	0.050	04/03/2023	ND	2.10	105	2.00	1.89	
Total Xylenes*	<0.150	0.150	04/03/2023	ND	6.45	107	6.00	2.19	
Total BTEX	<0.300	0.300	04/03/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	106 9	% 77.5-12	5						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	04/04/2023	ND	416	104	400	3.77	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/03/2023	ND	187	93.3	200	3.84	
DRO >C10-C28*	<10.0	10.0	04/03/2023	ND	176	88.0	200	15.0	
EXT DRO >C28-C36	<10.0	10.0	04/03/2023	ND					
Surrogate: 1-Chlorooctane	82.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	93.0	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keine



Analytical Results For:

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

Received: 04/03/2023 Reported: 04/06/2023

Project Name: HARROUN 15 # 008
Project Number: 03B1417046

Project Location: 32.21947,-103.97515

mg/L

Sampling Date: 03/31/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: FS - 2 8' (H231512-02)

BTEX 8021B

	9,	<u> </u>	7	7: 5::					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/03/2023	ND	1.95	97.3	2.00	1.16	
Toluene*	<0.050	0.050	04/03/2023	ND	2.02	101	2.00	1.77	
Ethylbenzene*	<0.050	0.050	04/03/2023	ND	2.10	105	2.00	1.89	
Total Xylenes*	<0.150	0.150	04/03/2023	ND	6.45	107	6.00	2.19	
Total BTEX	<0.300	0.300	04/03/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 77.5-12	5						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2200	16.0	04/04/2023	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/03/2023	ND	187	93.3	200	3.84	
DRO >C10-C28*	<10.0	10.0	04/03/2023	ND	176	88.0	200	15.0	
EXT DRO >C28-C36	<10.0	10.0	04/03/2023	ND					
Surrogate: 1-Chlorooctane	84.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	92.9	% 49.1-14	8						

Analyzed By: JH

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keine



Analytical Results For:

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

Received: 04/03/2023 Reported: 04/06/2023

Project Name: HARROUN 15 # 008 Project Number: 03B1417046

Project Location: 32.21947,-103.97515

mg/L

Sampling Date: 03/31/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: FS - 3 8' (H231512-03)

BTEX 8021B

	9/	<u> </u>	7	7: :					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/03/2023	ND	1.95	97.3	2.00	1.16	
Toluene*	<0.050	0.050	04/03/2023	ND	2.02	101	2.00	1.77	
Ethylbenzene*	<0.050	0.050	04/03/2023	ND	2.10	105	2.00	1.89	
Total Xylenes*	<0.150	0.150	04/03/2023	ND	6.45	107	6.00	2.19	
Total BTEX	<0.300	0.300	04/03/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 77.5-12	5						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	20400	16.0	04/04/2023	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/03/2023	ND	187	93.3	200	3.84	
DRO >C10-C28*	<10.0	10.0	04/03/2023	ND	176	88.0	200	15.0	
EXT DRO >C28-C36	<10.0	10.0	04/03/2023	ND					
Surrogate: 1-Chlorooctane	86.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	95.1	% 49.1-14	8						

Analyzed By: JH

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keine



Analytical Results For:

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

Received: 04/03/2023 Reported: 04/06/2023

HARROUN 15 # 008

mg/L

Project Number: 03B1417046

Project Location: 32.21947,-103.97515

Sampling Date: 03/31/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: FS - 4 8' (H231512-04)

Project Name:

BTEX 8021B

	9,	<u> </u>	7	7: 5::					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/03/2023	ND	1.95	97.3	2.00	1.16	
Toluene*	<0.050	0.050	04/03/2023	ND	2.02	101	2.00	1.77	
Ethylbenzene*	<0.050	0.050	04/03/2023	ND	2.10	105	2.00	1.89	
Total Xylenes*	<0.150	0.150	04/03/2023	ND	6.45	107	6.00	2.19	
Total BTEX	<0.300	0.300	04/03/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 77.5-12	5						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3480	16.0	04/04/2023	ND	448	112	400	3.64	QM-07
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/03/2023	ND	187	93.3	200	3.84	
DRO >C10-C28*	<10.0	10.0	04/03/2023	ND	176	88.0	200	15.0	
EXT DRO >C28-C36	<10.0	10.0	04/03/2023	ND					
Surrogate: 1-Chlorooctane	86.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	93.9	% 49.1-14	8						

Analyzed By: JH

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene



Analytical Results For:

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

Received: 04/03/2023 Reported: 04/06/2023

Project Name: HARROUN 15 # 008
Project Number: 03B1417046

Project Location: 32.21947,-103.97515

Sampling Date: 03/31/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: FS - 5 8' (H231512-05)

BTEX 8021B	mg	/L	Analyze	ed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/03/2023	ND	1.95	97.3	2.00	1.16	
Toluene*	<0.050	0.050	04/03/2023	ND	2.02	101	2.00	1.77	
Ethylbenzene*	<0.050	0.050	04/03/2023	ND	2.10	105	2.00	1.89	
Total Xylenes*	<0.150	0.150	04/03/2023	ND	6.45	107	6.00	2.19	
Total BTEX	<0.300	0.300	04/03/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 77.5-12	5						
Chloride, SM4500Cl-B	mg	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3680	16.0	04/04/2023	ND	448	112	400	3.64	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/03/2023	ND	187	93.3	200	3.84	
DRO >C10-C28*	31.2	10.0	04/03/2023	ND	176	88.0	200	15.0	
EXT DRO >C28-C36	<10.0	10.0	04/03/2023	ND					
Surrogate: 1-Chlorooctane	89.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	97.4	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keine



Analytical Results For:

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

Received: 04/03/2023 Reported: 04/06/2023

Project Name: HARROUN 15 # 008
Project Number: 03B1417046

Project Location: 32.21947,-103.97515

Sampling Date: 03/31/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: FS - 6 8' (H231512-06)

BTEX 8021B	mg,	'L	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/03/2023	ND	1.95	97.3	2.00	1.16	
Toluene*	<0.050	0.050	04/03/2023	ND	2.02	101	2.00	1.77	
Ethylbenzene*	<0.050	0.050	04/03/2023	ND	2.10	105	2.00	1.89	
Total Xylenes*	<0.150	0.150	04/03/2023	ND	6.45	107	6.00	2.19	
Total BTEX	<0.300	0.300	04/03/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 77.5-12	5						
Chloride, SM4500CI-B	mg,	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	7680	16.0	04/04/2023	ND	448	112	400	3.64	
TPH 8015M	mg,	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/03/2023	ND	187	93.3	200	3.84	
DRO >C10-C28*	21.1	10.0	04/03/2023	ND	176	88.0	200	15.0	
EXT DRO >C28-C36	<10.0	10.0	04/03/2023	ND					
Surrogate: 1-Chlorooctane	86.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	94.6	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

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Celey & Keene



Analytical Results For:

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

Received: 04/03/2023 Reported: 04/06/2023

HARROUN 15 # 008

mg/L

Project Number: 03B1417046

Project Location: 32.21947,-103.97515

Sampling Date: 03/31/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: FS - 7 8' (H231512-07)

Project Name:

BTEX 8021B

	9/	<u> </u>	7	7: 5::					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/03/2023	ND	1.95	97.3	2.00	1.16	
Toluene*	<0.050	0.050	04/03/2023	ND	2.02	101	2.00	1.77	
Ethylbenzene*	<0.050	0.050	04/03/2023	ND	2.10	105	2.00	1.89	
Total Xylenes*	<0.150	0.150	04/03/2023	ND	6.45	107	6.00	2.19	
Total BTEX	<0.300	0.300	04/03/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 77.5-12	5						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	13300	16.0	04/04/2023	ND	448	112	400	3.64	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/03/2023	ND	187	93.3	200	3.84	
DRO >C10-C28*	39.8	10.0	04/03/2023	ND	176	88.0	200	15.0	
EXT DRO >C28-C36	<10.0	10.0	04/03/2023	ND					
Surrogate: 1-Chlorooctane	88.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	96.9	% 49.1-14	8						

Analyzed By: JH

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Analytical Results For:

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

Received: 04/03/2023 Reported: 04/06/2023

Project Name: HARROUN 15 # 008
Project Number: 03B1417046

Project Location: 32.21947,-103.97515

mg/L

Sampling Date: 03/31/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: FS - 8 8' (H231512-08)

BTEX 8021B

DILX GOZID	ıııg,	-	Allulyzo	.u Dy. 311					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/03/2023	ND	1.95	97.3	2.00	1.16	
Toluene*	<0.050	0.050	04/03/2023	ND	2.02	101	2.00	1.77	
Ethylbenzene*	<0.050	0.050	04/03/2023	ND	2.10	105	2.00	1.89	
Total Xylenes*	<0.150	0.150	04/03/2023	ND	6.45	107	6.00	2.19	
Total BTEX	<0.300	0.300	04/03/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 77.5-12	5						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	8000	16.0	04/04/2023	ND	448	112	400	3.64	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/03/2023	ND	171	85.4	200	1.69	
DRO >C10-C28*	<10.0	10.0	04/03/2023	ND	207	104	200	2.29	
EXT DRO >C28-C36	<10.0	10.0	04/03/2023	ND					
Surrogate: 1-Chlorooctane	82.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	104	% 49.1-14	8						

Analyzed By: JH

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Analytical Results For:

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

Received: 04/03/2023 Reported: 04/06/2023

Project Name: HARROUN 15 # 008
Project Number: 03B1417046

Project Location: 32.21947,-103.97515

mg/L

Sampling Date: 03/31/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: FS - 9 8' (H231512-09)

BTEX 8021B

	9,		7	7: 5::					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/03/2023	ND	1.95	97.3	2.00	1.16	
Toluene*	<0.050	0.050	04/03/2023	ND	2.02	101	2.00	1.77	
Ethylbenzene*	<0.050	0.050	04/03/2023	ND	2.10	105	2.00	1.89	
Total Xylenes*	<0.150	0.150	04/03/2023	ND	6.45	107	6.00	2.19	
Total BTEX	<0.300	0.300	04/03/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 77.5-12	5						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4800	16.0	04/04/2023	ND	448	112	400	3.64	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/03/2023	ND	171	85.4	200	1.69	
DRO >C10-C28*	<10.0	10.0	04/03/2023	ND	207	104	200	2.29	
EXT DRO >C28-C36	<10.0	10.0	04/03/2023	ND					
Surrogate: 1-Chlorooctane	78.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	97.3	% 49.1-14	8						

Analyzed By: JH

Cardinal Laboratories *=Accredited Analyte

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Analytical Results For:

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

Received: 04/03/2023 Reported: 04/06/2023

Project Name: HARROUN 15 # 008
Project Number: 03B1417046

Project Location: 32.21947,-103.97515

Sampling Date: 03/31/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: FS - 10 8' (H231512-10)

BTEX 8021B	mg,	[/] L	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/03/2023	ND	1.95	97.3	2.00	1.16	
Toluene*	<0.050	0.050	04/03/2023	ND	2.02	101	2.00	1.77	
Ethylbenzene*	<0.050	0.050	04/03/2023	ND	2.10	105	2.00	1.89	
Total Xylenes*	<0.150	0.150	04/03/2023	ND	6.45	107	6.00	2.19	
Total BTEX	<0.300	0.300	04/03/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 77.5-12	5						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	11100	16.0	04/04/2023	ND	448	112	400	3.64	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/03/2023	ND	171	85.4	200	1.69	
DRO >C10-C28*	<10.0	10.0	04/03/2023	ND	207	104	200	2.29	
EXT DRO >C28-C36	<10.0	10.0	04/03/2023	ND					
Surrogate: 1-Chlorooctane	79.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	98.9	% 49.1-14	8						

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Analytical Results For:

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

Received: 04/03/2023 Reported: 04/06/2023

Project Name: HARROUN 15 # 008
Project Number: 03B1417046

Project Location: 32.21947,-103.97515

Sampling Date: 03/31/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: FS - 11 8' (H231512-11)

RTFY 8021R

BIEX 8021B	mg	/L	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/03/2023	ND	1.95	97.3	2.00	1.16	
Toluene*	<0.050	0.050	04/03/2023	ND	2.02	101	2.00	1.77	
Ethylbenzene*	<0.050	0.050	04/03/2023	ND	2.10	105	2.00	1.89	
Total Xylenes*	<0.150	0.150	04/03/2023	ND	6.45	107	6.00	2.19	
Total BTEX	<0.300	0.300	04/03/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 77.5-12	5						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	11200	16.0	04/04/2023	ND	448	112	400	3.64	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/03/2023	ND	171	85.4	200	1.69	
DRO >C10-C28*	27.2	10.0	04/03/2023	ND	207	104	200	2.29	
EXT DRO >C28-C36	<10.0	10.0	04/03/2023	ND					
Surrogate: 1-Chlorooctane	84.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	105	% 49.1-14	8						

Applyzod By: 14

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Analytical Results For:

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

Received: 04/03/2023 Reported: 04/06/2023

Project Name: HARROUN 15 # 008 Project Number: 03B1417046

Project Location: 32.21947,-103.97515 Sampling Date: 03/31/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker

Sample ID: FS - 12 8' (H231512-12)

BTEX 8021B	mg/	L	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/04/2023	ND	1.95	97.3	2.00	1.16	
Toluene*	<0.050	0.050	04/04/2023	ND	2.02	101	2.00	1.77	
Ethylbenzene*	<0.050	0.050	04/04/2023	ND	2.10	105	2.00	1.89	
Total Xylenes*	<0.150	0.150	04/04/2023	ND	6.45	107	6.00	2.19	
Total BTEX	<0.300	0.300	04/04/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 9	% 77.5-12	5						
Chloride, SM4500Cl-B	mg/	kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	23800	16.0	04/04/2023	ND	448	112	400	3.64	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/03/2023	ND	171	85.4	200	1.69	
DRO >C10-C28*	42.5	10.0	04/03/2023	ND	207	104	200	2.29	
EXT DRO >C28-C36	<10.0	10.0	04/03/2023	ND					
Surrogate: 1-Chlorooctane	85.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	106	% 49.1-14	8						

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Analytical Results For:

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

Received: 04/03/2023 Reported: 04/06/2023

Project Name: HARROUN 15 # 008

Project Number: 03B1417046 Project Location: 32.21947,-103.97515 Sampling Date: 03/31/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker

Sample ID: FS - 13 8' (H231512-13)

BTEX 8021B	mg/	'L	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/04/2023	ND	1.95	97.3	2.00	1.16	
Toluene*	<0.050	0.050	04/04/2023	ND	2.02	101	2.00	1.77	
Ethylbenzene*	<0.050	0.050	04/04/2023	ND	2.10	105	2.00	1.89	
Total Xylenes*	<0.150	0.150	04/04/2023	ND	6.45	107	6.00	2.19	
Total BTEX	<0.300	0.300	04/04/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	106 9	% 77.5-12	5						
Chloride, SM4500Cl-B	mg/	'kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4920	16.0	04/04/2023	ND	448	112	400	3.64	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/03/2023	ND	171	85.4	200	1.69	
DRO >C10-C28*	<10.0	10.0	04/03/2023	ND	207	104	200	2.29	
EXT DRO >C28-C36	<10.0	10.0	04/03/2023	ND					
Surrogate: 1-Chlorooctane	83.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	103 9	% 49.1-14	8						

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Analytical Results For:

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

Received: 04/03/2023 Reported: 04/06/2023

Project Name: HARROUN 15 # 008
Project Number: 03B1417046

Project Location: 32.21947,-103.97515

Sampling Date: 03/31/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: FS - 14 8' (H231512-14)

BTEX 8021B	mg	/L	Analyze	ed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/04/2023	ND	1.95	97.3	2.00	1.16	
Toluene*	<0.050	0.050	04/04/2023	ND	2.02	101	2.00	1.77	
Ethylbenzene*	<0.050	0.050	04/04/2023	ND	2.10	105	2.00	1.89	
Total Xylenes*	<0.150	0.150	04/04/2023	ND	6.45	107	6.00	2.19	
Total BTEX	<0.300	0.300	04/04/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 77.5-12	5						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	592	16.0	04/04/2023	ND	448	112	400	3.64	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/03/2023	ND	171	85.4	200	1.69	
DRO >C10-C28*	<10.0	10.0	04/03/2023	ND	207	104	200	2.29	
EXT DRO >C28-C36	<10.0	10.0	04/03/2023	ND					
Surrogate: 1-Chlorooctane	87.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	108	% 49.1-14	8						

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Analytical Results For:

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

Received: 04/03/2023 Reported: 04/06/2023

Project Name: HARROUN 15 # 008

Project Number: 03B1417046
Project Location: 32.21947,-103.97515

Sampling Date: 03/31/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: FS - 15 8' (H231512-15)

BTEX 8021B	mg	/L	Analyze	ed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/04/2023	ND	1.95	97.3	2.00	1.16	
Toluene*	<0.050	0.050	04/04/2023	ND	2.02	101	2.00	1.77	
Ethylbenzene*	<0.050	0.050	04/04/2023	ND	2.10	105	2.00	1.89	
Total Xylenes*	<0.150	0.150	04/04/2023	ND	6.45	107	6.00	2.19	
Total BTEX	<0.300	0.300	04/04/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 77.5-12	25						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	10000	16.0	04/04/2023	ND	448	112	400	3.64	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/03/2023	ND	171	85.4	200	1.69	
DRO >C10-C28*	<10.0	10.0	04/03/2023	ND	207	104	200	2.29	
EXT DRO >C28-C36	<10.0	10.0	04/03/2023	ND					
Surrogate: 1-Chlorooctane	87.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	107	% 49.1-14	8						

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Analytical Results For:

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

Received: 04/03/2023 Reported: 04/06/2023

Project Name: HARROUN 15 # 008

Project Number: 03B1417046

Project Location: 32.21947,-103.97515

Sampling Date: 03/31/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: FS - 16 8' (H231512-16)

BTEX 8021B	mg	/L	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/04/2023	ND	1.95	97.3	2.00	1.16	
Toluene*	<0.050	0.050	04/04/2023	ND	2.02	101	2.00	1.77	
Ethylbenzene*	<0.050	0.050	04/04/2023	ND	2.10	105	2.00	1.89	
Total Xylenes*	<0.150	0.150	04/04/2023	ND	6.45	107	6.00	2.19	
Total BTEX	<0.300	0.300	04/04/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 77.5-12	5						
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	11900	16.0	04/04/2023	ND	448	112	400	3.64	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/03/2023	ND	171	85.4	200	1.69	
DRO >C10-C28*	605	10.0	04/03/2023	ND	207	104	200	2.29	
EXT DRO >C28-C36	186	10.0	04/03/2023	ND					
Surrogate: 1-Chlorooctane	87.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	95.1	% 49.1-14	8						

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Analytical Results For:

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

Received: 04/03/2023 Reported: 04/06/2023

Project Name: HARROUN 15 # 008
Project Number: 03B1417046

Project Location: 32.21947,-103.97515

Sampling Date: 03/31/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: FS - 17 8' (H231512-17)

BTEX 8021B	mg	/L	Analyze	ed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/04/2023	ND	1.95	97.3	2.00	1.16	
Toluene*	<0.050	0.050	04/04/2023	ND	2.02	101	2.00	1.77	
Ethylbenzene*	<0.050	0.050	04/04/2023	ND	2.10	105	2.00	1.89	
Total Xylenes*	<0.150	0.150	04/04/2023	ND	6.45	107	6.00	2.19	
Total BTEX	<0.300	0.300	04/04/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 77.5-12	5						
Chloride, SM4500Cl-B	mg	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	9200	16.0	04/04/2023	ND	448	112	400	3.64	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/03/2023	ND	171	85.4	200	1.69	
DRO >C10-C28*	44.6	10.0	04/03/2023	ND	207	104	200	2.29	
EXT DRO >C28-C36	<10.0	10.0	04/03/2023	ND					
Surrogate: 1-Chlorooctane	73.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	90.9	% 49.1-14	8						

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Analytical Results For:

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

Received: 04/03/2023 Reported: 04/06/2023

Project Name: HARROUN 15 # 008
Project Number: 03B1417046

Project Location: 32.21947,-103.97515

Sampling Date: 03/31/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: FS - 18 8' (H231512-18)

BTEX 8021B	mg	/L	Analyze	ed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/04/2023	ND	1.95	97.3	2.00	1.16	
Toluene*	<0.050	0.050	04/04/2023	ND	2.02	101	2.00	1.77	
Ethylbenzene*	< 0.050	0.050	04/04/2023	ND	2.10	105	2.00	1.89	
Total Xylenes*	<0.150	0.150	04/04/2023	ND	6.45	107	6.00	2.19	
Total BTEX	<0.300	0.300	04/04/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 77.5-12	5						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	20200	16.0	04/04/2023	ND	448	112	400	3.64	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/03/2023	ND	171	85.4	200	1.69	
DRO >C10-C28*	153	10.0	04/03/2023	ND	207	104	200	2.29	
EXT DRO >C28-C36	46.1	10.0	04/03/2023	ND					
Surrogate: 1-Chlorooctane	80.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	101	% 49.1-14	8						

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Analytical Results For:

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

Received: 04/03/2023 Reported: 04/06/2023

Project Name: HARROUN 15 # 008 Project Number: 03B1417046

Project Location: 32.21947,-103.97515 Sampling Date: 03/31/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker

Sample ID: FS - 19 8' (H231512-19)

BTEX 8021B	mg/	L	Analyze	d By: JH					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/04/2023	ND	1.95	97.3	2.00	1.16	
Toluene*	0.092	0.050	04/04/2023	ND	2.02	101	2.00	1.77	
Ethylbenzene*	0.323	0.050	04/04/2023	ND	2.10	105	2.00	1.89	GC-NC1
Total Xylenes*	1.63	0.150	04/04/2023	ND	6.45	107	6.00	2.19	
Total BTEX	2.04	0.300	04/04/2023	ND					GC-NC1
Surrogate: 4-Bromofluorobenzene (PID	155 9	% 77.5-12	5						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	8400	16.0	04/04/2023	ND	448	112	400	3.64	
TPH 8015M	mg/	kg	Analyze	d By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	70.6	50.0	04/03/2023	ND	171	85.4	200	1.69	
DRO >C10-C28*	4200	50.0	04/03/2023	ND	207	104	200	2.29	
EXT DRO >C28-C36	1070	50.0	04/03/2023	ND					
Surrogate: 1-Chlorooctane	86.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	149 9	% 49.1-14	8						

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Analytical Results For:

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

Received: 04/03/2023 Reported: 04/06/2023

Project Name: HARROUN 15 # 008
Project Number: 03B1417046

Project Location: 32.21947,-103.97515

Sampling Date: 03/31/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: FS - 20 8' (H231512-20)

BTEX 8021B	mg	/L	Analyze	ed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/04/2023	ND	1.95	97.3	2.00	1.16	
Toluene*	<0.050	0.050	04/04/2023	ND	2.02	101	2.00	1.77	
Ethylbenzene*	<0.050	0.050	04/04/2023	ND	2.10	105	2.00	1.89	
Total Xylenes*	<0.150	0.150	04/04/2023	ND	6.45	107	6.00	2.19	
Total BTEX	<0.300	0.300	04/04/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 77.5-12	5						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	960	16.0	04/04/2023	ND	448	112	400	3.64	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/03/2023	ND	171	85.4	200	1.69	
DRO >C10-C28*	<10.0	10.0	04/03/2023	ND	207	104	200	2.29	
EXT DRO >C28-C36	<10.0	10.0	04/03/2023	ND					
Surrogate: 1-Chlorooctane	83.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	100	% 49.1-14	8						

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Analytical Results For:

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

Received: 04/03/2023 Reported: 04/06/2023

Project Name: HARROUN 15 # 008
Project Number: 03B1417046

Project Location: 32.21947,-103.97515

Sampling Date: 03/31/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: FS - 21 8' (H231512-21)

BTEX 8021B	mg	/L	Analyze	ed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/03/2023	ND	2.12	106	2.00	11.6	
Toluene*	<0.050	0.050	04/03/2023	ND	2.23	112	2.00	11.9	
Ethylbenzene*	<0.050	0.050	04/03/2023	ND	2.22	111	2.00	13.1	
Total Xylenes*	<0.150	0.150	04/03/2023	ND	6.90	115	6.00	12.8	
Total BTEX	<0.300	0.300	04/03/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 77.5-12	5						
Chloride, SM4500CI-B	mg	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	960	16.0	04/04/2023	ND	448	112	400	3.64	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/03/2023	ND	171	85.4	200	1.69	
DRO >C10-C28*	<10.0	10.0	04/03/2023	ND	207	104	200	2.29	
EXT DRO >C28-C36	<10.0	10.0	04/03/2023	ND					
Surrogate: 1-Chlorooctane	80.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	96.5	% 49.1-14	8						

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Analytical Results For:

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

Received: 04/03/2023 Reported: 04/06/2023

Project Name: HARROUN 15 # 008
Project Number: 03B1417046

Project Location: 32.21947,-103.97515

Sampling Date: 03/31/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: FS - 22 8' (H231512-22)

BTEX 8021B	mg,	/L	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/03/2023	ND	2.12	106	2.00	11.6	
Toluene*	<0.050	0.050	04/03/2023	ND	2.23	112	2.00	11.9	
Ethylbenzene*	<0.050	0.050	04/03/2023	ND	2.22	111	2.00	13.1	
Total Xylenes*	<0.150	0.150	04/03/2023	ND	6.90	115	6.00	12.8	
Total BTEX	<0.300	0.300	04/03/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 77.5-12	5						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	17400	16.0	04/04/2023	ND	448	112	400	3.64	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/03/2023	ND	171	85.4	200	1.69	
DRO >C10-C28*	155	10.0	04/03/2023	ND	207	104	200	2.29	
EXT DRO >C28-C36	37.6	10.0	04/03/2023	ND					
Surrogate: 1-Chlorooctane	86.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	107	% 49.1-14	8						

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Analytical Results For:

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

Received: 04/03/2023 Reported: 04/06/2023

Project Name: HARROUN 15 # 008
Project Number: 03B1417046

Project Location: 32.21947,-103.97515

Sampling Date: 03/31/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: FS - 23 8' (H231512-23)

BTEX 8021B	mg/	'L	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/03/2023	ND	2.12	106	2.00	11.6	
Toluene*	<0.050	0.050	04/03/2023	ND	2.23	112	2.00	11.9	
Ethylbenzene*	<0.050	0.050	04/03/2023	ND	2.22	111	2.00	13.1	
Total Xylenes*	<0.150	0.150	04/03/2023	ND	6.90	115	6.00	12.8	
Total BTEX	<0.300	0.300	04/03/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	103 9	% 77.5-12	5						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	47200	16.0	04/04/2023	ND	448	112	400	3.64	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/03/2023	ND	171	85.4	200	1.69	
DRO >C10-C28*	225	10.0	04/03/2023	ND	207	104	200	2.29	
EXT DRO >C28-C36	75.9	10.0	04/03/2023	ND					
Surrogate: 1-Chlorooctane	82.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	116 9	% 49.1-14	8						

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Analytical Results For:

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

Received: 04/03/2023 Reported: 04/06/2023

Project Name: HARROUN 15 # 008 Project Number: 03B1417046

Project Location: 32.21947,-103.97515 Sampling Date: 03/31/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker

Sample ID: FS - 24 8' (H231512-24)

BTEX 8021B	mg/	'L	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/03/2023	ND	2.12	106	2.00	11.6	
Toluene*	<0.050	0.050	04/03/2023	ND	2.23	112	2.00	11.9	
Ethylbenzene*	<0.050	0.050	04/03/2023	ND	2.22	111	2.00	13.1	
Total Xylenes*	<0.150	0.150	04/03/2023	ND	6.90	115	6.00	12.8	
Total BTEX	<0.300	0.300	04/03/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 9	% 77.5-12	5						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	23600	16.0	04/04/2023	ND	432	108	400	3.77	QM-07
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/03/2023	ND	171	85.4	200	1.69	
DRO >C10-C28*	1130	10.0	04/03/2023	ND	207	104	200	2.29	
EXT DRO >C28-C36	320	10.0	04/03/2023	ND					
Surrogate: 1-Chlorooctane	83.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	88.7	% 49.1-14	8						

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

*=Accredited Analyte



Analytical Results For:

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

Received: 04/03/2023 Reported: 04/06/2023

Project Name: HARROUN 15 # 008 Project Number: 03B1417046

Project Location: 32.21947,-103.97515 Sampling Date: 03/31/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker

Sample ID: FS - 25 8' (H231512-25)

BTEX 8021B	mg/	L	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/03/2023	ND	2.12	106	2.00	11.6	
Toluene*	<0.050	0.050	04/03/2023	ND	2.23	112	2.00	11.9	
Ethylbenzene*	< 0.050	0.050	04/03/2023	ND	2.22	111	2.00	13.1	
Total Xylenes*	<0.150	0.150	04/03/2023	ND	6.90	115	6.00	12.8	
Total BTEX	<0.300	0.300	04/03/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	109 9	77.5-12	5						
Chloride, SM4500CI-B	mg/	kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	19200	16.0	04/04/2023	ND	432	108	400	3.77	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/04/2023	ND	171	85.4	200	1.69	
DRO >C10-C28*	308	10.0	04/04/2023	ND	207	104	200	2.29	
EXT DRO >C28-C36	94.1	10.0	04/04/2023	ND					
Surrogate: 1-Chlorooctane	81.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	104 9	% 49.1-14	8						

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

*=Accredited Analyte



Analytical Results For:

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

Received: 04/03/2023 Reported: 04/06/2023

Project Name: HARROUN 15 # 008

Project Location: 32.21947,-103.97515

03B1417046

Sampling Date: 03/31/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: FS - 26 8' (H231512-26)

Project Number:

BTEX 8021B	mg,	/L	Analyze	ed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/03/2023	ND	2.12	106	2.00	11.6	
Toluene*	<0.050	0.050	04/03/2023	ND	2.23	112	2.00	11.9	
Ethylbenzene*	< 0.050	0.050	04/03/2023	ND	2.22	111	2.00	13.1	
Total Xylenes*	< 0.150	0.150	04/03/2023	ND	6.90	115	6.00	12.8	
Total BTEX	<0.300	0.300	04/03/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 77.5-12	5						
Chloride, SM4500Cl-B	mg	/kg	Analyze	ed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	22000	16.0	04/04/2023	ND	432	108	400	3.77	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/04/2023	ND	171	85.4	200	1.69	
DRO >C10-C28*	291	10.0	04/04/2023	ND	207	104	200	2.29	
EXT DRO >C28-C36	110	10.0	04/04/2023	ND					
Surrogate: 1-Chlorooctane	83.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	111 9	% 49.1-14	8						

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Analytical Results For:

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

Received: 04/03/2023 Reported: 04/06/2023

Project Name: HARROUN 15 # 008 Project Number: 03B1417046

Project Location: 32.21947,-103.97515 Sampling Date: 03/31/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker

Sample ID: FS - 27 8' (H231512-27)

BTEX 8021B	mg,	'L	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/03/2023	ND	2.12	106	2.00	11.6	
Toluene*	<0.050	0.050	04/03/2023	ND	2.23	112	2.00	11.9	
Ethylbenzene*	<0.050	0.050	04/03/2023	ND	2.22	111	2.00	13.1	
Total Xylenes*	<0.150	0.150	04/03/2023	ND	6.90	115	6.00	12.8	
Total BTEX	<0.300	0.300	04/03/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 77.5-12	5						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3360	16.0	04/04/2023	ND	432	108	400	3.77	
TPH 8015M	mg,	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/04/2023	ND	171	85.4	200	1.69	
DRO >C10-C28*	<10.0	10.0	04/04/2023	ND	207	104	200	2.29	
EXT DRO >C28-C36	<10.0	10.0	04/04/2023	ND					
Surrogate: 1-Chlorooctane	76.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	92.7	% 49.1-14	8						

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Analytical Results For:

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

Received: 04/03/2023 Reported: 04/06/2023

Project Name: HARROUN 15 # 008
Project Number: 03B1417046

Project Location: 32.21947,-103.97515

Sampling Date: 03/31/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: FS - 28 8' (H231512-28)

BTEX 8021B	mg	/L	Analyze	ed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/03/2023	ND	2.12	106	2.00	11.6	
Toluene*	<0.050	0.050	04/03/2023	ND	2.23	112	2.00	11.9	
Ethylbenzene*	< 0.050	0.050	04/03/2023	ND	2.22	111	2.00	13.1	
Total Xylenes*	<0.150	0.150	04/03/2023	ND	6.90	115	6.00	12.8	
Total BTEX	<0.300	0.300	04/03/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 77.5-12	5						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4160	16.0	04/04/2023	ND	432	108	400	3.77	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/03/2023	ND	189	94.3	200	7.03	
DRO >C10-C28*	<10.0	10.0	04/03/2023	ND	203	101	200	7.04	
EXT DRO >C28-C36	<10.0	10.0	04/03/2023	ND					
Surrogate: 1-Chlorooctane	91.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	99.9	% 49.1-14	8						

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Analytical Results For:

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

Received: 04/03/2023 Reported: 04/06/2023

Project Name: HARROUN 15 # 008
Project Number: 03B1417046

Project Location: 32.21947,-103.97515

Sampling Date: 03/31/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: FS - 29 8' (H231512-29)

BTEX 8021B	mg	/L	Analyze	ed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/03/2023	ND	2.12	106	2.00	11.6	
Toluene*	<0.050	0.050	04/03/2023	ND	2.23	112	2.00	11.9	
Ethylbenzene*	<0.050	0.050	04/03/2023	ND	2.22	111	2.00	13.1	
Total Xylenes*	<0.150	0.150	04/03/2023	ND	6.90	115	6.00	12.8	
Total BTEX	<0.300	0.300	04/03/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 77.5-12	5						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6800	16.0	04/04/2023	ND	432	108	400	3.77	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/03/2023	ND	189	94.3	200	7.03	
DRO >C10-C28*	<10.0	10.0	04/03/2023	ND	203	101	200	7.04	
EXT DRO >C28-C36	<10.0	10.0	04/03/2023	ND					
Surrogate: 1-Chlorooctane	78.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	86.2	% 49.1-14	8						

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Analytical Results For:

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

Received: 04/03/2023 Reported: 04/06/2023

Project Name: HARROUN 15 # 008 Project Number: 03B1417046

Project Location: 32.21947,-103.97515 Sampling Date: 03/31/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker

Sample ID: FS - 30 8' (H231512-30)

BTEX 8021B	mg/	'L	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/03/2023	ND	2.12	106	2.00	11.6	
Toluene*	<0.050	0.050	04/03/2023	ND	2.23	112	2.00	11.9	
Ethylbenzene*	<0.050	0.050	04/03/2023	ND	2.22	111	2.00	13.1	
Total Xylenes*	<0.150	0.150	04/03/2023	ND	6.90	115	6.00	12.8	
Total BTEX	<0.300	0.300	04/03/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	103 9	% 77.5-12	5						
Chloride, SM4500CI-B	mg/	'kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	17800	16.0	04/04/2023	ND	432	108	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/03/2023	ND	189	94.3	200	7.03	
DRO >C10-C28*	<10.0	10.0	04/03/2023	ND	203	101	200	7.04	
EXT DRO >C28-C36	<10.0	10.0	04/03/2023	ND					
Surrogate: 1-Chlorooctane	81.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	88.7	% 49.1-14	8						

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Analytical Results For:

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

Received: 04/03/2023 Reported: 04/06/2023

Project Name: HARROUN 15 # 008
Project Number: 03B1417046

Project Location: 32.21947,-103.97515

Sampling Date: 03/31/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: FS - 31 8' (H231512-31)

BTEX 8021B	mg	/L	Analyze	ed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/03/2023	ND	2.12	106	2.00	11.6	
Toluene*	<0.050	0.050	04/03/2023	ND	2.23	112	2.00	11.9	
Ethylbenzene*	< 0.050	0.050	04/03/2023	ND	2.22	111	2.00	13.1	
Total Xylenes*	<0.150	0.150	04/03/2023	ND	6.90	115	6.00	12.8	
Total BTEX	<0.300	0.300	04/03/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 77.5-12	5						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	7600	16.0	04/04/2023	ND	432	108	400	3.77	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/03/2023	ND	189	94.3	200	7.03	
DRO >C10-C28*	<10.0	10.0	04/03/2023	ND	203	101	200	7.04	
EXT DRO >C28-C36	<10.0	10.0	04/03/2023	ND					
Surrogate: 1-Chlorooctane	69.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	74.8	% 49.1-14	8						

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Celey D. Keene



Analytical Results For:

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

Received: 04/03/2023 Reported: 04/06/2023

Project Name: HARROUN 15 # 008 Project Number: 03B1417046

Project Location: 32.21947,-103.97515 Sampling Date: 03/31/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker

Sample ID: FS - 32 8' (H231512-32)

BTEX 8021B	mg/	L	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/03/2023	ND	2.12	106	2.00	11.6	
Toluene*	<0.050	0.050	04/03/2023	ND	2.23	112	2.00	11.9	
Ethylbenzene*	<0.050	0.050	04/03/2023	ND	2.22	111	2.00	13.1	
Total Xylenes*	<0.150	0.150	04/03/2023	ND	6.90	115	6.00	12.8	
Total BTEX	<0.300	0.300	04/03/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	106 9	% 77.5-12	5						
Chloride, SM4500CI-B	mg/	kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	7460	16.0	04/04/2023	ND	432	108	400	3.77	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/03/2023	ND	189	94.3	200	7.03	
DRO >C10-C28*	276	10.0	04/03/2023	ND	203	101	200	7.04	
EXT DRO >C28-C36	110	10.0	04/03/2023	ND					
Surrogate: 1-Chlorooctane	96.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	123 9	% 49.1-14	8						

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Celey D. Keene



Analytical Results For:

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

Received: 04/03/2023 Reported: 04/06/2023

Project Name: HARROUN 15 # 008

03B1417046

Project Location: 32.21947,-103.97515

Sampling Date: 03/31/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: FS - 33 8' (H231512-33)

Project Number:

BTEX 8021B	mg	/L	Analyze	ed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/03/2023	ND	2.12	106	2.00	11.6	
Toluene*	<0.050	0.050	04/03/2023	ND	2.23	112	2.00	11.9	
Ethylbenzene*	<0.050	0.050	04/03/2023	ND	2.22	111	2.00	13.1	
Total Xylenes*	<0.150	0.150	04/03/2023	ND	6.90	115	6.00	12.8	
Total BTEX	<0.300	0.300	04/03/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 77.5-12	5						
Chloride, SM4500CI-B	mg	/kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4640	16.0	04/04/2023	ND	432	108	400	3.77	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/03/2023	ND	189	94.3	200	7.03	
DRO >C10-C28*	107	10.0	04/03/2023	ND	203	101	200	7.04	
EXT DRO >C28-C36	36.6	10.0	04/03/2023	ND					
Surrogate: 1-Chlorooctane	121	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	147	% 49.1-14	8						

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Celey & Keene

Celey D. Keene, Lab Director/Quality Manager

*=Accredited Analyte



Analytical Results For:

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

Received: 04/03/2023 Reported: 04/06/2023

Project Name: HARROUN 15 # 008
Project Number: 03B1417046

Project Location: 32.21947,-103.97515

Sampling Date: 03/31/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: FS - 34 8' (H231512-34)

BTEX 8021B	mg	/L	Analyze	ed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/03/2023	ND	2.12	106	2.00	11.6	
Toluene*	<0.050	0.050	04/03/2023	ND	2.23	112	2.00	11.9	
Ethylbenzene*	< 0.050	0.050	04/03/2023	ND	2.22	111	2.00	13.1	
Total Xylenes*	<0.150	0.150	04/03/2023	ND	6.90	115	6.00	12.8	
Total BTEX	<0.300	0.300	04/03/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 77.5-12	5						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6880	16.0	04/04/2023	ND	432	108	400	3.77	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/03/2023	ND	189	94.3	200	7.03	
DRO >C10-C28*	<10.0	10.0	04/03/2023	ND	203	101	200	7.04	
EXT DRO >C28-C36	<10.0	10.0	04/03/2023	ND					
Surrogate: 1-Chlorooctane	114	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	131	% 49.1-14	8						

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Analytical Results For:

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

Received: 04/03/2023 Reported: 04/06/2023

Project Name: HARROUN 15 # 008 Project Number: 03B1417046

Project Location: 32.21947,-103.97515 Sampling Date: 03/31/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker

Sample ID: FS - 35 8' (H231512-35)

BTEX 8021B	mg/	'L	Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/03/2023	ND	2.12	106	2.00	11.6	
Toluene*	<0.050	0.050	04/03/2023	ND	2.23	112	2.00	11.9	
Ethylbenzene*	<0.050	0.050	04/03/2023	ND	2.22	111	2.00	13.1	
Total Xylenes*	<0.150	0.150	04/03/2023	ND	6.90	115	6.00	12.8	
Total BTEX	<0.300	0.300	04/03/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	106 9	% 77.5-12	5						
Chloride, SM4500CI-B	mg/	'kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	14900	16.0	04/04/2023	ND	432	108	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/03/2023	ND	189	94.3	200	7.03	
DRO >C10-C28*	<10.0	10.0	04/03/2023	ND	203	101	200	7.04	
EXT DRO >C28-C36	<10.0	10.0	04/03/2023	ND					
Surrogate: 1-Chlorooctane	97.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	109	% 49.1-14	8						

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Analytical Results For:

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

Received: 04/03/2023 Reported: 04/06/2023

Project Name: HARROUN 15 # 008
Project Number: 03B1417046

Project Location: 32.21947,-103.97515

Sampling Date: 03/31/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: FS - 36 8' (H231512-36)

BTEX 8021B	mg	/L	Analyze	ed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/04/2023	ND	2.12	106	2.00	11.6	
Toluene*	<0.050	0.050	04/04/2023	ND	2.23	112	2.00	11.9	
Ethylbenzene*	<0.050	0.050	04/04/2023	ND	2.22	111	2.00	13.1	
Total Xylenes*	<0.150	0.150	04/04/2023	ND	6.90	115	6.00	12.8	
Total BTEX	<0.300	0.300	04/04/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 77.5-12	25						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3760	16.0	04/04/2023	ND	432	108	400	3.77	
TPH 8015M	mg	/kg	Analyze	d 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	04/03/2023	ND	189	94.3	200	7.03	
DRO >C10-C28*	403	10.0	04/03/2023	ND	203	101	200	7.04	
EXT DRO >C28-C36	148	10.0	04/03/2023	ND					
Surrogate: 1-Chlorooctane	124	% 48.2-13	14						
Surrogate: 1-Chlorooctadecane	161	% 49.1-14	18						

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Analytical Results For:

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

Received: 04/03/2023 Reported: 04/06/2023

Project Name: HARROUN 15 # 008 Project Number: 03B1417046

Project Location: 32.21947,-103.97515 Sampling Date: 03/31/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker

Sample ID: FS - 37 8' (H231512-37)

BTEX 8021B	mg/	'L	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/04/2023	ND	2.12	106	2.00	11.6	
Toluene*	<0.050	0.050	04/04/2023	ND	2.23	112	2.00	11.9	
Ethylbenzene*	<0.050	0.050	04/04/2023	ND	2.22	111	2.00	13.1	
Total Xylenes*	<0.150	0.150	04/04/2023	ND	6.90	115	6.00	12.8	
Total BTEX	<0.300	0.300	04/04/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	107 9	% 77.5-12	5						
Chloride, SM4500Cl-B	mg/	kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6480	16.0	04/04/2023	ND	432	108	400	3.77	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/03/2023	ND	189	94.3	200	7.03	
DRO >C10-C28*	85.0	10.0	04/03/2023	ND	203	101	200	7.04	
EXT DRO >C28-C36	30.0	10.0	04/03/2023	ND					
Surrogate: 1-Chlorooctane	103 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	122 9	% 49.1-14	8						

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Analytical Results For:

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

Received: 04/03/2023 Reported: 04/06/2023

Project Name: HARROUN 15 # 008
Project Number: 03B1417046

Project Location: 32.21947,-103.97515

Sampling Date: 03/31/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: FS - 38 8' (H231512-38)

BTEX 8021B	mg	/L	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/04/2023	ND	2.12	106	2.00	11.6	
Toluene*	<0.050	0.050	04/04/2023	ND	2.23	112	2.00	11.9	
Ethylbenzene*	<0.050	0.050	04/04/2023	ND	2.22	111	2.00	13.1	
Total Xylenes*	<0.150	0.150	04/04/2023	ND	6.90	115	6.00	12.8	
Total BTEX	<0.300	0.300	04/04/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 77.5-12	5						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1250	16.0	04/04/2023	ND	432	108	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/03/2023	ND	189	94.3	200	7.03	
DRO >C10-C28*	<10.0	10.0	04/03/2023	ND	203	101	200	7.04	
EXT DRO >C28-C36	<10.0	10.0	04/03/2023	ND					
Surrogate: 1-Chlorooctane	123	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	145	% 49.1-14	8						

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Analytical Results For:

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

Received: 04/03/2023 Reported: 04/06/2023

Project Name: HARROUN 15 # 008
Project Number: 03B1417046

Project Location: 32.21947,-103.97515

Sampling Date: 03/31/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: FS - 39 8' (H231512-39)

RTFY 8021R

B1EX 8021B	mg	/L	Anaiyze	a By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/04/2023	ND	2.12	106	2.00	11.6	
Toluene*	<0.050	0.050	04/04/2023	ND	2.23	112	2.00	11.9	
Ethylbenzene*	<0.050	0.050	04/04/2023	ND	2.22	111	2.00	13.1	
Total Xylenes*	<0.150	0.150	04/04/2023	ND	6.90	115	6.00	12.8	
Total BTEX	<0.300	0.300	04/04/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 77.5-12	5						
Chloride, SM4500CI-B	mg	/kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2560	16.0	04/04/2023	ND	432	108	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/03/2023	ND	189	94.3	200	7.03	
DRO >C10-C28*	<10.0	10.0	04/03/2023	ND	203	101	200	7.04	
EXT DRO >C28-C36	<10.0	10.0	04/03/2023	ND					
Surrogate: 1-Chlorooctane	113	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	131	% 49.1-14	8						

Analyzed By: 1H /

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Analytical Results For:

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

Received: 04/03/2023 Reported: 04/06/2023

Project Name: HARROUN 15 # 008
Project Number: 03B1417046

Project Location: 32.21947,-103.97515

Sampling Date: 03/31/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: FS - 40 8' (H231512-40)

RTFY 8021R

BIEX 8021B	mg	/L	Anaiyze	ea By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/04/2023	ND	2.12	106	2.00	11.6	
Toluene*	< 0.050	0.050	04/04/2023	ND	2.23	112	2.00	11.9	
Ethylbenzene*	< 0.050	0.050	04/04/2023	ND	2.22	111	2.00	13.1	
Total Xylenes*	<0.150	0.150	04/04/2023	ND	6.90	115	6.00	12.8	
Total BTEX	<0.300	0.300	04/04/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 77.5-12	5						
Chloride, SM4500Cl-B	mg	/kg	Analyze	ed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	10300	16.0	04/04/2023	ND	432	108	400	3.77	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/03/2023	ND	189	94.3	200	7.03	
DRO >C10-C28*	119	10.0	04/03/2023	ND	203	101	200	7.04	
EXT DRO >C28-C36	28.1	10.0	04/03/2023	ND					
Surrogate: 1-Chlorooctane	109	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	132	% 49.1-14	8						

Analyzed By: 1H /

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Celey D. Keine



Analytical Results For:

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

Received: 04/03/2023 Reported: 04/06/2023

Project Name: HARROUN 15 # 008
Project Number: 03B1417046

Project Location: 32.21947,-103.97515

Sampling Date: 03/31/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: FS - 41 8' (H231512-41)

RTFY 8021R

BIEX 8021B	mg	/L	Anaiyze	ea By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/03/2023	ND	1.95	97.6	2.00	3.53	
Toluene*	<0.050	0.050	04/03/2023	ND	2.07	103	2.00	4.01	
Ethylbenzene*	<0.050	0.050	04/03/2023	ND	2.10	105	2.00	3.24	
Total Xylenes*	<0.150	0.150	04/03/2023	ND	6.32	105	6.00	2.68	
Total BTEX	<0.300	0.300	04/03/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 77.5-12	5						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	7600	16.0	04/04/2023	ND	432	108	400	3.77	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/03/2023	ND	189	94.3	200	7.03	
DRO >C10-C28*	34.6	10.0	04/03/2023	ND	203	101	200	7.04	
EXT DRO >C28-C36	<10.0	10.0	04/03/2023	ND					
Surrogate: 1-Chlorooctane	102	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	121	% 49.1-14	8						

Analyzed By: 1H /

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Celey D. Keene



Analytical Results For:

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

Received: 04/03/2023 Reported: 04/06/2023

Project Name: HARROUN 15 # 008
Project Number: 03B1417046

Project Location: 32.21947,-103.97515

Sampling Date: 03/31/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: FS - 42 8' (H231512-42)

BTEX 8021B	mg,	/L	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/03/2023	ND	1.95	97.6	2.00	3.53	
Toluene*	<0.050	0.050	04/03/2023	ND	2.07	103	2.00	4.01	
Ethylbenzene*	<0.050	0.050	04/03/2023	ND	2.10	105	2.00	3.24	
Total Xylenes*	0.237	0.150	04/03/2023	ND	6.32	105	6.00	2.68	
Total BTEX	<0.300	0.300	04/03/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	110 9	% 77.5-12	5						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6130	16.0	04/04/2023	ND	432	108	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	35.7	10.0	04/04/2023	ND	189	94.3	200	7.03	
DRO >C10-C28*	6820	10.0	04/04/2023	ND	203	101	200	7.04	
EXT DRO >C28-C36	1600	10.0	04/04/2023	ND					
Surrogate: 1-Chlorooctane	119	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	275	% 49.1-14	8						

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Analytical Results For:

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

Received: 04/03/2023 Reported: 04/06/2023

Project Name: HARROUN 15 # 008 Project Number: 03B1417046

Project Location: 32.21947,-103.97515 Sampling Date: 03/31/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker

Sample ID: FS - 43 8' (H231512-43)

BTEX 8021B	mg/	L	Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/03/2023	ND	1.95	97.6	2.00	3.53	
Toluene*	<0.050	0.050	04/03/2023	ND	2.07	103	2.00	4.01	
Ethylbenzene*	<0.050	0.050	04/03/2023	ND	2.10	105	2.00	3.24	
Total Xylenes*	<0.150	0.150	04/03/2023	ND	6.32	105	6.00	2.68	
Total BTEX	<0.300	0.300	04/03/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	103 9	% 77.5-12	5						
Chloride, SM4500CI-B	mg/	kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3800	16.0	04/04/2023	ND	432	108	400	3.77	
TPH 8015M	mg/	kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	12.8	10.0	04/04/2023	ND	189	94.3	200	7.03	
DRO >C10-C28*	2590	10.0	04/04/2023	ND	203	101	200	7.04	
EXT DRO >C28-C36	820	10.0	04/04/2023	ND					
Surrogate: 1-Chlorooctane	112 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	161 9	% 49.1-14	8						

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Analytical Results For:

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

Received: 04/03/2023 Reported: 04/06/2023

Project Name: HARROUN 15 # 008
Project Number: 03B1417046

Project Location: 32.21947,-103.97515

Sampling Date: 03/31/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: FS - 44 8' (H231512-44)

BTEX 8021B	mg	/L	Analyze	ed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/03/2023	ND	1.95	97.6	2.00	3.53	
Toluene*	<0.050	0.050	04/03/2023	ND	2.07	103	2.00	4.01	
Ethylbenzene*	<0.050	0.050	04/03/2023	ND	2.10	105	2.00	3.24	
Total Xylenes*	<0.150	0.150	04/03/2023	ND	6.32	105	6.00	2.68	
Total BTEX	<0.300	0.300	04/03/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.8	% 77.5-12	5						
Chloride, SM4500Cl-B	mg	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	8800	16.0	04/04/2023	ND	416	104	400	3.77	QM-07
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/03/2023	ND	189	94.3	200	7.03	
DRO >C10-C28*	184	10.0	04/03/2023	ND	203	101	200	7.04	
EXT DRO >C28-C36	60.0	10.0	04/03/2023	ND					
Surrogate: 1-Chlorooctane	107	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	133	% 49.1-14	8						

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Analytical Results For:

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

Received: 04/03/2023 Reported: 04/06/2023

Project Name: HARROUN 15 # 008
Project Number: 03B1417046

Project Location: 32.21947,-103.97515

Sampling Date: 03/31/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: FS - 45 8' (H231512-45)

RTFY 8021R

BIEX 8021B	mg	/L	Anaiyze	a By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/03/2023	ND	1.95	97.6	2.00	3.53	
Toluene*	0.066	0.050	04/03/2023	ND	2.07	103	2.00	4.01	
Ethylbenzene*	0.157	0.050	04/03/2023	ND	2.10	105	2.00	3.24	GC-NC1
Total Xylenes*	0.969	0.150	04/03/2023	ND	6.32	105	6.00	2.68	
Total BTEX	1.19	0.300	04/03/2023	ND					GC-NC1
Surrogate: 4-Bromofluorobenzene (PID	97.0	% 77.5-12	5						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	14600	16.0	04/04/2023	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	79.8	50.0	04/04/2023	ND	189	94.3	200	7.03	
DRO >C10-C28*	8640	50.0	04/04/2023	ND	203	101	200	7.04	
EXT DRO >C28-C36	2030	50.0	04/04/2023	ND					
Surrogate: 1-Chlorooctane	113	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	247	% 49.1-14	8						

Analyzed By: 1H /

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Analytical Results For:

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

Received: 04/03/2023 Reported: 04/06/2023

Project Name: HARROUN 15 # 008
Project Number: 03B1417046

Project Location: 32.21947,-103.97515

Sampling Date: 03/31/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: FS - 46 8' (H231512-46)

BTEX 8021B	mg	/L	Analyze	ed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/03/2023	ND	1.95	97.6	2.00	3.53	
Toluene*	<0.050	0.050	04/03/2023	ND	2.07	103	2.00	4.01	
Ethylbenzene*	<0.050	0.050	04/03/2023	ND	2.10	105	2.00	3.24	
Total Xylenes*	<0.150	0.150	04/03/2023	ND	6.32	105	6.00	2.68	
Total BTEX	<0.300	0.300	04/03/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 77.5-12	5						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4960	16.0	04/04/2023	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	15.5	10.0	04/03/2023	ND	189	94.3	200	7.03	
DRO >C10-C28*	1440	10.0	04/03/2023	ND	203	101	200	7.04	
EXT DRO >C28-C36	400	10.0	04/03/2023	ND					
Surrogate: 1-Chlorooctane	105	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	176	% 49.1-14	8						

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Analytical Results For:

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

Received: 04/03/2023 Reported: 04/06/2023

Project Name: HARROUN 15 # 008
Project Number: 03B1417046

Project Location: 32.21947,-103.97515

Sampling Date: 03/31/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: FS - 47 8' (H231512-47)

BTEX 8021B	mg,	/L	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/03/2023	ND	1.95	97.6	2.00	3.53	
Toluene*	<0.050	0.050	04/03/2023	ND	2.07	103	2.00	4.01	
Ethylbenzene*	<0.050	0.050	04/03/2023	ND	2.10	105	2.00	3.24	
Total Xylenes*	<0.150	0.150	04/03/2023	ND	6.32	105	6.00	2.68	
Total BTEX	<0.300	0.300	04/03/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 77.5-12	25						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	9460	16.0	04/04/2023	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/04/2023	ND	189	94.3	200	7.03	
DRO >C10-C28*	77.1	10.0	04/04/2023	ND	203	101	200	7.04	
EXT DRO >C28-C36	29.8	10.0	04/04/2023	ND					
Surrogate: 1-Chlorooctane	106	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	125	% 49.1-14	18						

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Analytical Results For:

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

Received: 04/03/2023 Reported: 04/06/2023

Project Name: HARROUN 15 # 008
Project Number: 03B1417046

Project Location: 32.21947,-103.97515

Sampling Date: 03/31/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: FS - 48 8' (H231512-48)

BTEX 8021B	mg,	[/] L	Analyze	ed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/03/2023	ND	1.95	97.6	2.00	3.53	
Toluene*	<0.050	0.050	04/03/2023	ND	2.07	103	2.00	4.01	
Ethylbenzene*	<0.050	0.050	04/03/2023	ND	2.10	105	2.00	3.24	
Total Xylenes*	0.327	0.150	04/03/2023	ND	6.32	105	6.00	2.68	
Total BTEX	0.327	0.300	04/03/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	110 9	% 77.5-12	5						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5760	16.0	04/04/2023	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	56.5	50.0	04/04/2023	ND	176	88.1	200	2.59	
DRO >C10-C28*	5880	50.0	04/04/2023	ND	196	97.8	200	3.08	QM-07, QR-03
EXT DRO >C28-C36	1370	50.0	04/04/2023	ND					
Surrogate: 1-Chlorooctane	122	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	333	% 49.1-14	8						

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Analytical Results For:

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

Received: 04/03/2023 Reported: 04/06/2023

Project Name: HARROUN 15 # 008
Project Number: 03B1417046

Project Location: 32.21947,-103.97515

Sampling Date: 03/31/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: FS - 49 8' (H231512-49)

BTEX 8021B	mg	/L	Analyze	ed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/03/2023	ND	1.95	97.6	2.00	3.53	
Toluene*	<0.050	0.050	04/03/2023	ND	2.07	103	2.00	4.01	
Ethylbenzene*	<0.050	0.050	04/03/2023	ND	2.10	105	2.00	3.24	
Total Xylenes*	<0.150	0.150	04/03/2023	ND	6.32	105	6.00	2.68	
Total BTEX	<0.300	0.300	04/03/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	100	% 77.5-12	5						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2200	16.0	04/04/2023	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/03/2023	ND	176	88.1	200	2.59	
DRO >C10-C28*	20.3	10.0	04/03/2023	ND	196	97.8	200	3.08	
EXT DRO >C28-C36	<10.0	10.0	04/03/2023	ND					
Surrogate: 1-Chlorooctane	94.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	95.5	% 49.1-14	18						

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Analytical Results For:

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

Received: 04/03/2023 Reported: 04/06/2023

Project Name: HARROUN 15 # 008
Project Number: 03B1417046

Project Location: 32.21947,-103.97515

Sampling Date: 03/31/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: FS - 50 8' (H231512-50)

BTEX 8021B	mg,	/L	Analyze	ed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/04/2023	ND	1.95	97.6	2.00	3.53	
Toluene*	<0.050	0.050	04/04/2023	ND	2.07	103	2.00	4.01	
Ethylbenzene*	<0.050	0.050	04/04/2023	ND	2.10	105	2.00	3.24	
Total Xylenes*	< 0.150	0.150	04/04/2023	ND	6.32	105	6.00	2.68	
Total BTEX	<0.300	0.300	04/04/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 77.5-12	5						
Chloride, SM4500Cl-B	mg	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	7600	16.0	04/04/2023	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/03/2023	ND	176	88.1	200	2.59	
DRO >C10-C28*	110	10.0	04/03/2023	ND	196	97.8	200	3.08	
EXT DRO >C28-C36	39.4	10.0	04/03/2023	ND					
Surrogate: 1-Chlorooctane	94.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	97.8	% 49.1-14	8						

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Analytical Results For:

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

Received: 04/03/2023 Reported: 04/06/2023

Project Name: HARROUN 15 # 008

03B1417046

Project Location: 32.21947,-103.97515

Sampling Date: 03/31/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: FS - 51 8' (H231512-51)

Project Number:

BTEX 8021B	mg	/L	Analyze	ed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/04/2023	ND	1.95	97.6	2.00	3.53	
Toluene*	<0.050	0.050	04/04/2023	ND	2.07	103	2.00	4.01	
Ethylbenzene*	<0.050	0.050	04/04/2023	ND	2.10	105	2.00	3.24	
Total Xylenes*	<0.150	0.150	04/04/2023	ND	6.32	105	6.00	2.68	
Total BTEX	<0.300	0.300	04/04/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 77.5-12	5						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4480	16.0	04/04/2023	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/03/2023	ND	176	88.1	200	2.59	
DRO >C10-C28*	974	10.0	04/03/2023	ND	196	97.8	200	3.08	
EXT DRO >C28-C36	239	10.0	04/03/2023	ND					
Surrogate: 1-Chlorooctane	77.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	115	% 49.1-14	8						

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Analytical Results For:

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

Received: 04/03/2023 Reported: 04/06/2023

Project Name: HARROUN 15 # 008
Project Number: 03B1417046

Project Location: 32.21947,-103.97515

Sampling Date: 03/31/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: FS - 52 8' (H231512-52)

BTEX 8021B	mg	/L	Analyze	ed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/04/2023	ND	1.95	97.6	2.00	3.53	
Toluene*	<0.050	0.050	04/04/2023	ND	2.07	103	2.00	4.01	
Ethylbenzene*	<0.050	0.050	04/04/2023	ND	2.10	105	2.00	3.24	
Total Xylenes*	<0.150	0.150	04/04/2023	ND	6.32	105	6.00	2.68	
Total BTEX	<0.300	0.300	04/04/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 77.5-12	5						
Chloride, SM4500Cl-B	mg	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4800	16.0	04/04/2023	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/03/2023	ND	176	88.1	200	2.59	
DRO >C10-C28*	136	10.0	04/03/2023	ND	196	97.8	200	3.08	
EXT DRO >C28-C36	56.8	10.0	04/03/2023	ND					
Surrogate: 1-Chlorooctane	95.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	102	% 49.1-14	8						

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Analytical Results For:

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

Received: 04/03/2023 Reported: 04/06/2023

Project Name: HARROUN 15 # 008 Project Number: 03B1417046

Project Location: 32.21947,-103.97515 Sampling Date: 03/31/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker

Sample ID: FS - 53 8' (H231512-53)

BTEX 8021B	mg/	'L	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/04/2023	ND	1.95	97.6	2.00	3.53	
Toluene*	<0.050	0.050	04/04/2023	ND	2.07	103	2.00	4.01	
Ethylbenzene*	<0.050	0.050	04/04/2023	ND	2.10	105	2.00	3.24	
Total Xylenes*	<0.150	0.150	04/04/2023	ND	6.32	105	6.00	2.68	
Total BTEX	<0.300	0.300	04/04/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.4	% 77.5-12	5						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3240	16.0	04/04/2023	ND	416	104	400	3.77	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/03/2023	ND	176	88.1	200	2.59	
DRO >C10-C28*	239	10.0	04/03/2023	ND	196	97.8	200	3.08	
EXT DRO >C28-C36	67.8	10.0	04/03/2023	ND					
Surrogate: 1-Chlorooctane	92.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	101 9	% 49.1-14	8						

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Analytical Results For:

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

Received: 04/03/2023 Reported: 04/06/2023

Project Name: HARROUN 15 # 008 Project Number: 03B1417046

Project Location: 32.21947,-103.97515 Sampling Date: 03/31/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker

Sample ID: FS - 54 8' (H231512-54)

BTEX 8021B	mg/	L	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/04/2023	ND	1.95	97.6	2.00	3.53	
Toluene*	<0.050	0.050	04/04/2023	ND	2.07	103	2.00	4.01	
Ethylbenzene*	<0.050	0.050	04/04/2023	ND	2.10	105	2.00	3.24	
Total Xylenes*	<0.150	0.150	04/04/2023	ND	6.32	105	6.00	2.68	
Total BTEX	<0.300	0.300	04/04/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.7	% 77.5-12	5						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	352	16.0	04/04/2023	ND	416	104	400	3.77	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/03/2023	ND	176	88.1	200	2.59	
DRO >C10-C28*	<10.0	10.0	04/03/2023	ND	196	97.8	200	3.08	
EXT DRO >C28-C36	<10.0	10.0	04/03/2023	ND					
Surrogate: 1-Chlorooctane	89.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	89.5	% 49.1-14	8						

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Analytical Results For:

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

Received: 04/03/2023 Reported: 04/06/2023

Project Name: HARROUN 15 # 008
Project Number: 03B1417046

Project Location: 32.21947,-103.97515

Sampling Date: 03/31/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: FS - 55 8' (H231512-55)

BTEX 8021B	mg	/L	Analyze	ed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/04/2023	ND	1.95	97.6	2.00	3.53	
Toluene*	<0.050	0.050	04/04/2023	ND	2.07	103	2.00	4.01	
Ethylbenzene*	<0.050	0.050	04/04/2023	ND	2.10	105	2.00	3.24	
Total Xylenes*	<0.150	0.150	04/04/2023	ND	6.32	105	6.00	2.68	
Total BTEX	<0.300	0.300	04/04/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	100	% 77.5-12	5						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	04/04/2023	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/03/2023	ND	176	88.1	200	2.59	
DRO >C10-C28*	<10.0	10.0	04/03/2023	ND	196	97.8	200	3.08	
EXT DRO >C28-C36	<10.0	10.0	04/03/2023	ND					
Surrogate: 1-Chlorooctane	93.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	95.8	% 49.1-14	8						

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Analytical Results For:

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

Received: 04/03/2023 Reported: 04/06/2023

Project Name: HARROUN 15 # 008
Project Number: 03B1417046

Project Location: 32.21947,-103.97515

Sampling Date: 03/31/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SW - 1 0-8' (H231512-56)

BTEX 8021B	mg,	'L	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/04/2023	ND	1.95	97.6	2.00	3.53	
Toluene*	<0.050	0.050	04/04/2023	ND	2.07	103	2.00	4.01	
Ethylbenzene*	<0.050	0.050	04/04/2023	ND	2.10	105	2.00	3.24	
Total Xylenes*	<0.150	0.150	04/04/2023	ND	6.32	105	6.00	2.68	
Total BTEX	<0.300	0.300	04/04/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.0	% 77.5-12	5						
Chloride, SM4500CI-B	mg,	'kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	896	16.0	04/04/2023	ND	416	104	400	3.77	
TPH 8015M	mg,	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/03/2023	ND	176	88.1	200	2.59	
DRO >C10-C28*	<10.0	10.0	04/03/2023	ND	196	97.8	200	3.08	
EXT DRO >C28-C36	<10.0	10.0	04/03/2023	ND					
Surrogate: 1-Chlorooctane	101	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	102	% 49.1-14	8						

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Analytical Results For:

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

Received: 04/03/2023 Reported: 04/06/2023

HARROUN 15 # 008

Project Name: HARROUN 1!
Project Number: 03B1417046

Project Location: 32.21947,-103.97515

Sampling Date: 03/31/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SW - 2 0-8' (H231512-57)

BTEX 8021B	mg	/L	Analyze	ed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/04/2023	ND	1.95	97.6	2.00	3.53	
Toluene*	<0.050	0.050	04/04/2023	ND	2.07	103	2.00	4.01	
Ethylbenzene*	<0.050	0.050	04/04/2023	ND	2.10	105	2.00	3.24	
Total Xylenes*	<0.150	0.150	04/04/2023	ND	6.32	105	6.00	2.68	
Total BTEX	<0.300	0.300	04/04/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.8	% 77.5-12	5						
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	864	16.0	04/04/2023	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/03/2023	ND	176	88.1	200	2.59	
DRO >C10-C28*	<10.0	10.0	04/03/2023	ND	196	97.8	200	3.08	
EXT DRO >C28-C36	<10.0	10.0	04/03/2023	ND					
Surrogate: 1-Chlorooctane	89.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	90.7	% 49.1-14	8						

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Analytical Results For:

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

Received: 04/03/2023 Reported: 04/06/2023

Project Name: HARROUN 15 # 008 Project Number: 03B1417046

Project Location: 32.21947,-103.97515 Sampling Date: 03/31/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker

Sample ID: SW - 3 0-8' (H231512-58)

BTEX 8021B	mg/	L	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/04/2023	ND	1.95	97.6	2.00	3.53	
Toluene*	<0.050	0.050	04/04/2023	ND	2.07	103	2.00	4.01	
Ethylbenzene*	<0.050	0.050	04/04/2023	ND	2.10	105	2.00	3.24	
Total Xylenes*	<0.150	0.150	04/04/2023	ND	6.32	105	6.00	2.68	
Total BTEX	<0.300	0.300	04/04/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 9	6 77.5-12	5						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	448	16.0	04/04/2023	ND	416	104	400	3.77	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/03/2023	ND	176	88.1	200	2.59	
DRO >C10-C28*	<10.0	10.0	04/03/2023	ND	196	97.8	200	3.08	
EXT DRO >C28-C36	<10.0	10.0	04/03/2023	ND					
Surrogate: 1-Chlorooctane	98.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	100 9	6 49.1-14	8						

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Analytical Results For:

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

Received: 04/03/2023 Reported: 04/06/2023

Project Name: HARROUN 15 # 008
Project Number: 03B1417046

Project Location: 32.21947,-103.97515

Sampling Date: 03/31/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SW - 4 0-8' (H231512-59)

BTEX 8021B	mg	/L	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/04/2023	ND	1.95	97.6	2.00	3.53	
Toluene*	<0.050	0.050	04/04/2023	ND	2.07	103	2.00	4.01	
Ethylbenzene*	<0.050	0.050	04/04/2023	ND	2.10	105	2.00	3.24	
Total Xylenes*	<0.150	0.150	04/04/2023	ND	6.32	105	6.00	2.68	
Total BTEX	<0.300	0.300	04/04/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	100	% 77.5-12	5						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6660	16.0	04/04/2023	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/04/2023	ND	176	88.1	200	2.59	
DRO >C10-C28*	<10.0	10.0	04/04/2023	ND	196	97.8	200	3.08	
EXT DRO >C28-C36	<10.0	10.0	04/04/2023	ND					
Surrogate: 1-Chlorooctane	100	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	103	% 49.1-14	8						

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Analytical Results For:

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

Received: 04/03/2023 Reported: 04/06/2023

Project Name: HARROUN 15 # 008
Project Number: 03B1417046

Project Location: 32.21947,-103.97515

Sampling Date: 03/31/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SW - 5 0-8' (H231512-60)

BTEX 8021B	mg/L		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/04/2023	ND	1.95	97.6	2.00	3.53	
Toluene*	<0.050	0.050	04/04/2023	ND	2.07	103	2.00	4.01	
Ethylbenzene*	<0.050	0.050	04/04/2023	ND	2.10	105	2.00	3.24	
Total Xylenes*	<0.150	0.150	04/04/2023	ND	6.32	105	6.00	2.68	
Total BTEX	<0.300	0.300	04/04/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	100 9	% 77.5-12	5						
Chloride, SM4500CI-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	544	16.0	04/04/2023	ND	416	104	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/04/2023	ND	176	88.1	200	2.59	
DRO >C10-C28*	<10.0	10.0	04/04/2023	ND	196	97.8	200	3.08	
EXT DRO >C28-C36	<10.0	10.0	04/04/2023	ND					
Surrogate: 1-Chlorooctane	94.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	101 9	% 49.1-14	8						

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Analytical Results For:

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

Received: 04/03/2023 Reported: 04/06/2023

Project Name: HARROUN 15 # 008

Project Number: 03B1417046

Project Location: 32.21947,-103.97515

Sampling Date: 03/31/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SW - 6 0-8' (H231512-61)

BTEX 8021B	mg	/L	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/04/2023	ND	2.01	101	2.00	8.46	
Toluene*	<0.050	0.050	04/04/2023	ND	2.04	102	2.00	8.70	
Ethylbenzene*	< 0.050	0.050	04/04/2023	ND	2.07	103	2.00	8.64	
Total Xylenes*	<0.150	0.150	04/04/2023	ND	6.11	102	6.00	8.55	
Total BTEX	<0.300	0.300	04/04/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 77.5-12	5						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4720	16.0	04/04/2023	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/04/2023	ND	176	88.1	200	2.59	
DRO >C10-C28*	<10.0	10.0	04/04/2023	ND	196	97.8	200	3.08	
EXT DRO >C28-C36	<10.0	10.0	04/04/2023	ND					
Surrogate: 1-Chlorooctane	99.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	105	% 49.1-14	8						

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Analytical Results For:

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

Received: 04/03/2023 Reported: 04/06/2023

Project Name: HARROUN 15 # 008
Project Number: 03B1417046

Project Location: 32.21947,-103.97515

Sampling Date: 03/31/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SW - 7 0-8' (H231512-62)

BTEX 8021B	mg	/L	Analyze	ed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/04/2023	ND	2.01	101	2.00	8.46	
Toluene*	<0.050	0.050	04/04/2023	ND	2.04	102	2.00	8.70	
Ethylbenzene*	<0.050	0.050	04/04/2023	ND	2.07	103	2.00	8.64	
Total Xylenes*	<0.150	0.150	04/04/2023	ND	6.11	102	6.00	8.55	
Total BTEX	<0.300	0.300	04/04/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.7	% 77.5-12	5						
Chloride, SM4500CI-B	mg	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3360	16.0	04/04/2023	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/04/2023	ND	176	88.1	200	2.59	
DRO >C10-C28*	<10.0	10.0	04/04/2023	ND	196	97.8	200	3.08	
EXT DRO >C28-C36	<10.0	10.0	04/04/2023	ND					
Surrogate: 1-Chlorooctane	93.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	96.0	% 49.1-14	8						

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Analytical Results For:

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

Received: 04/03/2023 Reported: 04/06/2023

Project Name: HARROUN 15 # 008
Project Number: 03B1417046

Project Location: 32.21947,-103.97515

Sampling Date: 03/31/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SW - 8 0-8' (H231512-63)

BTEX 8021B	mg	/L	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/04/2023	ND	2.01	101	2.00	8.46	
Toluene*	<0.050	0.050	04/04/2023	ND	2.04	102	2.00	8.70	
Ethylbenzene*	<0.050	0.050	04/04/2023	ND	2.07	103	2.00	8.64	
Total Xylenes*	<0.150	0.150	04/04/2023	ND	6.11	102	6.00	8.55	
Total BTEX	<0.300	0.300	04/04/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 77.5-12	5						
Chloride, SM4500CI-B	mg,	/kg	Analyze	Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1310	16.0	04/04/2023	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/04/2023	ND	176	88.1	200	2.59	
DRO >C10-C28*	<10.0	10.0	04/04/2023	ND	196	97.8	200	3.08	
EXT DRO >C28-C36	<10.0	10.0	04/04/2023	ND					
Surrogate: 1-Chlorooctane	96.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	100	% 49.1-14	8						

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Analytical Results For:

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

Received: 04/03/2023 Reported: 04/06/2023

Project Name: HARROUN 15 # 008 Project Number: 03B1417046

Project Location: 32.21947,-103.97515 Sampling Date: 03/31/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker

Sample ID: SW - 9 0-8' (H231512-64)

BTEX 8021B	mg	/L	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/04/2023	ND	2.01	101	2.00	8.46	
Toluene*	<0.050	0.050	04/04/2023	ND	2.04	102	2.00	8.70	
Ethylbenzene*	<0.050	0.050	04/04/2023	ND	2.07	103	2.00	8.64	
Total Xylenes*	<0.150	0.150	04/04/2023	ND	6.11	102	6.00	8.55	
Total BTEX	<0.300	0.300	04/04/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.8	% 77.5-12	5						
Chloride, SM4500Cl-B	mg	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	9730	16.0	04/04/2023	ND	432	108	400	0.00	QM-07
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/04/2023	ND	176	88.1	200	2.59	
DRO >C10-C28*	396	10.0	04/04/2023	ND	196	97.8	200	3.08	
EXT DRO >C28-C36	148	10.0	04/04/2023	ND					
Surrogate: 1-Chlorooctane	90.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	111 9	% 49.1-14	'8						

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Analytical Results For:

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

Received: 04/03/2023 Reported: 04/06/2023

Project Name: HARROUN 15 # 008
Project Number: 03B1417046

Project Location: 32.21947,-103.97515

Sampling Date: 03/31/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SW - 10 0-8' (H231512-65)

BTEX 8021B	mg,	mg/L		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/04/2023	ND	2.01	101	2.00	8.46	
Toluene*	<0.050	0.050	04/04/2023	ND	2.04	102	2.00	8.70	
Ethylbenzene*	<0.050	0.050	04/04/2023	ND	2.07	103	2.00	8.64	
Total Xylenes*	<0.150	0.150	04/04/2023	ND	6.11	102	6.00	8.55	
Total BTEX	<0.300	0.300	04/04/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	93.7	% 77.5-12	5						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1230	16.0	04/04/2023	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/04/2023	ND	176	88.1	200	2.59	
DRO >C10-C28*	47.4	10.0	04/04/2023	ND	196	97.8	200	3.08	
EXT DRO >C28-C36	11.9	10.0	04/04/2023	ND					
Surrogate: 1-Chlorooctane	90.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	100	% 49.1-14	8						

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Analytical Results For:

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

Received: 04/03/2023 Reported: 04/06/2023

Project Name: HARROUN 15 # 008
Project Number: 03B1417046

Project Location: 32.21947,-103.97515

Sampling Date: 03/31/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SW - 11 0-8' (H231512-66)

BTEX 8021B	mg,	/L	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/04/2023	ND	2.01	101	2.00	8.46	
Toluene*	<0.050	0.050	04/04/2023	ND	2.04	102	2.00	8.70	
Ethylbenzene*	<0.050	0.050	04/04/2023	ND	2.07	103	2.00	8.64	
Total Xylenes*	<0.150	0.150	04/04/2023	ND	6.11	102	6.00	8.55	
Total BTEX	<0.300	0.300	04/04/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.2	% 77.5-12	5						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3600	16.0	04/04/2023	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/04/2023	ND	176	88.1	200	2.59	
DRO >C10-C28*	14.8	10.0	04/04/2023	ND	196	97.8	200	3.08	
EXT DRO >C28-C36	<10.0	10.0	04/04/2023	ND					
Surrogate: 1-Chlorooctane	89.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	91.0	% 49.1-14	8						

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Analytical Results For:

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

Received: 04/03/2023 Reported: 04/06/2023

Project Name: HARROUN 15 # 008
Project Number: 03B1417046

Project Location: 32.21947,-103.97515

Sampling Date: 03/31/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SW - 12 0-8' (H231512-67)

BTEX 8021B	mg/	L	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/04/2023	ND	2.01	101	2.00	8.46	
Toluene*	<0.050	0.050	04/04/2023	ND	2.04	102	2.00	8.70	
Ethylbenzene*	<0.050	0.050	04/04/2023	ND	2.07	103	2.00	8.64	
Total Xylenes*	<0.150	0.150	04/04/2023	ND	6.11	102	6.00	8.55	
Total BTEX	<0.300	0.300	04/04/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	106 9	% 77.5-12	5						
Chloride, SM4500CI-B	mg/	kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5600	16.0	04/04/2023	ND	432	108	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/04/2023	ND	176	88.1	200	2.59	
DRO >C10-C28*	876	10.0	04/04/2023	ND	196	97.8	200	3.08	
EXT DRO >C28-C36	246	10.0	04/04/2023	ND					
Surrogate: 1-Chlorooctane	102 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	142 9	% 49.1-14	8						

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Analytical Results For:

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

Received: 04/03/2023 Reported: 04/06/2023

Project Name: HARROUN 15 # 008

Project Location: 32.21947,-103.97515

03B1417046

Sampling Date: 03/31/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker

Sample ID: SW - 13 0-8' (H231512-68)

Project Number:

BTEX 8021B	mg/	/L	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/04/2023	ND	2.01	101	2.00	8.46	
Toluene*	<0.050	0.050	04/04/2023	ND	2.04	102	2.00	8.70	
Ethylbenzene*	<0.050	0.050	04/04/2023	ND	2.07	103	2.00	8.64	
Total Xylenes*	<0.150	0.150	04/04/2023	ND	6.11	102	6.00	8.55	
Total BTEX	<0.300	0.300	04/04/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 9	% 77.5-12	5						
Chloride, SM4500CI-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	04/04/2023	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/04/2023	ND	175	87.5	200	1.95	
DRO >C10-C28*	<10.0	10.0	04/04/2023	ND	174	87.0	200	3.24	
EXT DRO >C28-C36	<10.0	10.0	04/04/2023	ND					
Surrogate: 1-Chlorooctane	85.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	91.8	% 49.1-14	8						

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Analytical Results For:

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

Received: 04/03/2023 Reported: 04/06/2023

Project Name: HARROUN 15 # 008
Project Number: 03B1417046

Project Location: 32.21947,-103.97515

Sampling Date: 03/31/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SW - 14 0-8' (H231512-69)

BTEX 8021B	mg,	/L	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/04/2023	ND	2.01	101	2.00	8.46	
Toluene*	<0.050	0.050	04/04/2023	ND	2.04	102	2.00	8.70	
Ethylbenzene*	<0.050	0.050	04/04/2023	ND	2.07	103	2.00	8.64	
Total Xylenes*	<0.150	0.150	04/04/2023	ND	6.11	102	6.00	8.55	
Total BTEX	<0.300	0.300	04/04/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	100	% 77.5-12	5						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	04/04/2023	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/04/2023	ND	175	87.5	200	1.95	
DRO >C10-C28*	<10.0	10.0	04/04/2023	ND	174	87.0	200	3.24	
EXT DRO >C28-C36	<10.0	10.0	04/04/2023	ND					
Surrogate: 1-Chlorooctane	84.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	91.4	% 49.1-14	8						

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Analytical Results For:

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

Received: 04/03/2023 Reported: 04/06/2023

Project Name: HARROUN 15 # 008

Project Location: 32.21947,-103.97515

03B1417046

Sampling Date: 03/31/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SW - 15 0-8' (H231512-70)

Project Number:

RTFY 8021R

BIEX 8021B	mg	/L	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/04/2023	ND	2.01	101	2.00	8.46	
Toluene*	<0.050	0.050	04/04/2023	ND	2.04	102	2.00	8.70	
Ethylbenzene*	<0.050	0.050	04/04/2023	ND	2.07	103	2.00	8.64	
Total Xylenes*	<0.150	0.150	04/04/2023	ND	6.11	102	6.00	8.55	
Total BTEX	<0.300	0.300	04/04/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.5	% 77.5-12	5						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	04/04/2023	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/04/2023	ND	170	85.0	200	12.9	
DRO >C10-C28*	<10.0	10.0	04/04/2023	ND	183	91.6	200	12.3	
EXT DRO >C28-C36	<10.0	10.0	04/04/2023	ND					
Surrogate: 1-Chlorooctane	110	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	128	% 49.1-14	8						

Applyzod By: 14

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Analytical Results For:

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

Received: 04/03/2023 Reported: 04/06/2023

Project Name: HARROUN 15 # 008

Project Location: 32.21947,-103.97515

03B1417046

Sampling Date: 03/31/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker

Sample ID: SW - 16 0-8' (H231512-71)

Project Number:

BTEX 8021B	mg/L		Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/04/2023	ND	1.94	97.2	2.00	5.66	
Toluene*	<0.050	0.050	04/04/2023	ND	2.00	99.9	2.00	5.19	
Ethylbenzene*	<0.050	0.050	04/04/2023	ND	2.05	102	2.00	4.62	
Total Xylenes*	<0.150	0.150	04/04/2023	ND	6.21	104	6.00	3.78	
Total BTEX	<0.300	0.300	04/04/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 9	% 77.5-12	5						
Chloride, SM4500Cl-B	mg/	'kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	04/04/2023	ND	432	108	400	0.00	
TPH 8015M	mg/	'kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/04/2023	ND	170	85.0	200	12.9	
DRO >C10-C28*	<10.0	10.0	04/04/2023	ND	183	91.6	200	12.3	
EXT DRO >C28-C36	<10.0	10.0	04/04/2023	ND					
Surrogate: 1-Chlorooctane	98.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	116 9	% 49.1-14	8						

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Analytical Results For:

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

Received: 04/03/2023 Reported: 04/06/2023

Project Name: HARROUN 15 # 008 Project Number: 03B1417046

Project Location: 32.21947,-103.97515 Sampling Date: 03/31/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker

Sample ID: SW - 17 0-8' (H231512-72)

BTEX 8021B	mg/L		Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/04/2023	ND	1.94	97.2	2.00	5.66	
Toluene*	<0.050	0.050	04/04/2023	ND	2.00	99.9	2.00	5.19	
Ethylbenzene*	<0.050	0.050	04/04/2023	ND	2.05	102	2.00	4.62	
Total Xylenes*	<0.150	0.150	04/04/2023	ND	6.21	104	6.00	3.78	
Total BTEX	<0.300	0.300	04/04/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 9	% 77.5-12	5						
Chloride, SM4500CI-B	mg/	'kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	04/04/2023	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/04/2023	ND	170	85.0	200	12.9	
DRO >C10-C28*	<10.0	10.0	04/04/2023	ND	183	91.6	200	12.3	
EXT DRO >C28-C36	<10.0	10.0	04/04/2023	ND					
Surrogate: 1-Chlorooctane	83.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	98.1	% 49.1-14	8						

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Analytical Results For:

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

Received: 04/03/2023 Reported: 04/06/2023

Project Name: HARROUN 15 # 008
Project Number: 03B1417046

Project Location: 32.21947,-103.97515

Sampling Date: 03/31/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SW - 18 0-8' (H231512-73)

BTEX 8021B	mg/L		Analyze	Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/04/2023	ND	1.94	97.2	2.00	5.66	
Toluene*	<0.050	0.050	04/04/2023	ND	2.00	99.9	2.00	5.19	
Ethylbenzene*	<0.050	0.050	04/04/2023	ND	2.05	102	2.00	4.62	
Total Xylenes*	<0.150	0.150	04/04/2023	ND	6.21	104	6.00	3.78	
Total BTEX	<0.300	0.300	04/04/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 77.5-12	5						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	04/04/2023	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/04/2023	ND	170	85.0	200	12.9	
DRO >C10-C28*	<10.0	10.0	04/04/2023	ND	183	91.6	200	12.3	
EXT DRO >C28-C36	<10.0	10.0	04/04/2023	ND					
Surrogate: 1-Chlorooctane	103	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	120	% 49.1-14	8						

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Analytical Results For:

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

Received: 04/03/2023 Reported: 04/06/2023

Project Name: HARROUN 15 # 008
Project Number: 03B1417046

Project Location: 32.21947,-103.97515

Sampling Date: 03/31/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SW - 19 0-8' (H231512-74)

BTEX 8021B	mg/L		Analyze	Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/04/2023	ND	1.94	97.2	2.00	5.66	
Toluene*	<0.050	0.050	04/04/2023	ND	2.00	99.9	2.00	5.19	
Ethylbenzene*	<0.050	0.050	04/04/2023	ND	2.05	102	2.00	4.62	
Total Xylenes*	<0.150	0.150	04/04/2023	ND	6.21	104	6.00	3.78	
Total BTEX	<0.300	0.300	04/04/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 77.5-12	5						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	384	16.0	04/04/2023	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/04/2023	ND	170	85.0	200	12.9	
DRO >C10-C28*	<10.0	10.0	04/04/2023	ND	183	91.6	200	12.3	
EXT DRO >C28-C36	<10.0	10.0	04/04/2023	ND					
Surrogate: 1-Chlorooctane	85.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	99.9	% 49.1-14	8						

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Analytical Results For:

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

Received: 04/03/2023 Reported: 04/06/2023

HARROUN 15 # 008

Project Name: HARROUN 1!
Project Number: 03B1417046

Project Location: 32.21947,-103.97515

Sampling Date: 03/31/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SW - 20 0-8' (H231512-75)

BTEX 8021B	mg,	<u>L</u>	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/04/2023	ND	1.94	97.2	2.00	5.66	
Toluene*	<0.050	0.050	04/04/2023	ND	2.00	99.9	2.00	5.19	
Ethylbenzene*	<0.050	0.050	04/04/2023	ND	2.05	102	2.00	4.62	
Total Xylenes*	<0.150	0.150	04/04/2023	ND	6.21	104	6.00	3.78	
Total BTEX	<0.300	0.300	04/04/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 77.5-12	5						
Chloride, SM4500Cl-B	mg,	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	576	16.0	04/04/2023	ND	432	108	400	0.00	
TPH 8015M	mg,	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/04/2023	ND	170	85.0	200	12.9	
DRO >C10-C28*	<10.0	10.0	04/04/2023	ND	183	91.6	200	12.3	
EXT DRO >C28-C36	<10.0	10.0	04/04/2023	ND					
Surrogate: 1-Chlorooctane	110 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	127	% 49.1-14	8						

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Analytical Results For:

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

Received: 04/03/2023 Reported: 04/06/2023

HARROUN 15 # 008

Project Name: HARROUN 1!
Project Number: 03B1417046

Project Location: 32.21947,-103.97515

Sampling Date: 03/31/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SW - 21 0-8' (H231512-76)

BTEX 8021B	mg/	<u>′L</u>	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/04/2023	ND	1.94	97.2	2.00	5.66	
Toluene*	<0.050	0.050	04/04/2023	ND	2.00	99.9	2.00	5.19	
Ethylbenzene*	<0.050	0.050	04/04/2023	ND	2.05	102	2.00	4.62	
Total Xylenes*	<0.150	0.150	04/04/2023	ND	6.21	104	6.00	3.78	
Total BTEX	<0.300	0.300	04/04/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	106 9	% 77.5-12	5						
Chloride, SM4500CI-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	04/04/2023	ND	432	108	400	0.00	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/04/2023	ND	170	85.0	200	12.9	
DRO >C10-C28*	<10.0	10.0	04/04/2023	ND	183	91.6	200	12.3	
EXT DRO >C28-C36	<10.0	10.0	04/04/2023	ND					
Surrogate: 1-Chlorooctane	102 5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	118 9	% 49.1-14	8						

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Celey D. Keine



Analytical Results For:

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

Received: 04/03/2023 Reported: 04/06/2023

Project Name: HARROUN 15 # 008
Project Number: 03B1417046

Project Location: 32.21947,-103.97515

Sampling Date: 03/31/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SW - 22 0-8' (H231512-77)

BTEX 8021B	mg	/L	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/04/2023	ND	1.94	97.2	2.00	5.66	
Toluene*	<0.050	0.050	04/04/2023	ND	2.00	99.9	2.00	5.19	
Ethylbenzene*	<0.050	0.050	04/04/2023	ND	2.05	102	2.00	4.62	
Total Xylenes*	<0.150	0.150	04/04/2023	ND	6.21	104	6.00	3.78	
Total BTEX	<0.300	0.300	04/04/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 77.5-12	25						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	04/04/2023	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/04/2023	ND	170	85.0	200	12.9	
DRO >C10-C28*	<10.0	10.0	04/04/2023	ND	183	91.6	200	12.3	
EXT DRO >C28-C36	<10.0	10.0	04/04/2023	ND					
Surrogate: 1-Chlorooctane	93.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	108	% 49.1-14	8						

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Celey D. Keene



Analytical Results For:

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

Received: 04/03/2023 Reported: 04/06/2023

Project Name: HARROUN 15 # 008
Project Number: 03B1417046

Project Location: 32.21947,-103.97515

Sampling Date: 03/31/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SW - 23 0-8' (H231512-78)

BTEX 8021B	mg	/L	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/04/2023	ND	1.94	97.2	2.00	5.66	
Toluene*	<0.050	0.050	04/04/2023	ND	2.00	99.9	2.00	5.19	
Ethylbenzene*	<0.050	0.050	04/04/2023	ND	2.05	102	2.00	4.62	
Total Xylenes*	<0.150	0.150	04/04/2023	ND	6.21	104	6.00	3.78	
Total BTEX	<0.300	0.300	04/04/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 77.5-12	25						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	04/04/2023	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/04/2023	ND	170	85.0	200	12.9	
DRO >C10-C28*	<10.0	10.0	04/04/2023	ND	183	91.6	200	12.3	
EXT DRO >C28-C36	<10.0	10.0	04/04/2023	ND					
Surrogate: 1-Chlorooctane	78.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	90.4	% 49.1-14	8						

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Celey D. Kreine



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

Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
GC-NC1	8260 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are biased high with interfering compounds.
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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Celeg D. Kreene

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aboratories 101 East Marland, Hobbs, NM 88240

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST Sar Takes

Relinquished By: Relinquished By: PLEASE NOTE: Liability and Damages. Cardinal's liability and cient's exclusive remedy for any diam analyses. All dalms including those for negligence and any other cause whatsoewer shall be deemed service. In no event shall Cardinal be liable for incidental or consequental damages, including without Sampler - UPS - Bus - Other: Delivered By: (Circle One) H231512 Sampler Name: Project Name: Harroun Project #: 038 114 038141 7646 Project Owner: Phone #: 210-219-8858 Project Location: 27 Project Manager: Beaux Jennings Address: 601 N Marienfeld Street, Suite 400 Company Name: Ensolum, LLC FOR LAB USE ONLY Lab I.D. 0 4 Sample I.D. 4 25-5 F5-7 155-6 25 F5-8 23-6 Thbl 15 HOUS Observed Temp. rected Temp. Date: Time: Time: Fax #: State: Depth (feet) 00 00 0000 0000 000 X ô ô 515tb N Received By Received By: 2 (G)RAB OR (C)OMP. Zip: 79701 # CONTAINERS Cool Infract

Wes Yes

No No GROUNDWATER Sample Condition WASTEWATER made in writing and rec MATRIX SOIL OIL SLUDGE OTHER State: City: Phone #: 575-390-2828 Fax #: Attn: Wade Dittrich Company: Oxy USA Inc. Address: P.O. #: ACID/BASE CHECKED BY: (Initials) PRESERV ICE / COOL 0 OTHER BILL TO within 30 days after completion of the applicable rofits incurred by client, its subsidiaries. 5-71-23 22-12-8 42-14-6 5-11-23 5-31-23 3-31-23 3-31-13 Zip 11-12 DATE SAMPLING Thermometer ID #113 Verbal Result: ☐ Yes ☐ No Add'I Phone #: All Results are emailed. Please provide Email address: 0929 Turnaround Time: 8200 REMARKS 0420 0926 6415 4290 0923 4140 1200 0922 TIME 4 Chlorides 4500 4 80214 Standard > N H8015N ANALYSIS Bacteria (only) Sample Condition
Cool Intact Observed Temp. °C

Yes Yes
No Corrected Temp. °C REQUEST

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Project Manager: Beautiff, LLC	- Linguistin, LLC			BILL 1	70		A11A1 WAIS
Adama and and and and and and and and and an	A July mailager, beaux Jennings			P.O.#:	1		ANALYSIS REQUEST
Address: 601 N	Address: 601 N Marienfeld Street, Suite 400	Suite 400		Company: Oxy USA Inc.	Alnc	_	
City: Midland		State: TX	Zip: 79701	Attn: Wade Dittrich		_	
Frione #: 210-219-8858	9-8858	Fax #:		Address:			
Project #: 05B1417046	94071419	Project Owner:	er:	City:		_	
Project Name:	Harrown 15	#008					
Project Location:	31. 2144	103 07 50	\	State: Zip:	2		
Sampler Name	10.11	51546701		Phone #: 575-390-2828			
FOR LAB USE ONLY	Mailee Smith	M: TG		Fax #:		b	
			MATRIX	SERV.	SAMPLING	02	
Lab I.D.	Sample I.D.	Depth (feet)	B OR (C)OM STAINERS SINDWATER EWATER	BASE:	nlor de		
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18	12/0	óa	C - X	X 3-31-23	x Ehio	×	
100	Ex-14	3 00		(371-23		×	
20	スコロ	0)		(3-31-23	4 thro s	X	
PLEASE NOTE: Liability and Dam	mages, Cardinal's liability and d	lent's exclusive remedy for any	Camparation	L 3-71-13	0450 1	× .	
service. In no event shall Cardinal be	se for negligence and any other il be liable for incidental or cons	r cause whatsoever shall be do equental damages, including v	and the second second second and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable of successors are received by Cardinal within 30 days after completion of the applicable of successors are received by Cardinal within 30 days after completion of the applicable of successors are received by Cardinal within 30 days after completion of the applicable of successors are received by Cardinal within 30 days after completion of the applicable of successors are received by Cardinal within 30 days after completion of the applicable of successors are received by Cardinal within 30 days after completion of the applicable of successors are received by Cardinal within 30 days after completion of the applicable of the successors are received by Cardinal within 30 days after completion of the applicable of the successors are received by Cardinal within 30 days after completion of the applicable of the successors are received by Cardinal within 30 days after completion of the applicable of the successors are received by Cardinal within 30 days after completion of the applicable of the successors are received by Cardinal within 30 days after completion of the applicable of the successors are received by Cardinal within 30 days after completion of the successors are received by the successors ar	tort, shall be limited to the amount pooling to be a mount pooling to the amount pooling to the same and the	aid by the client for the er completion of the applicable		
Relinquished By:	or or related to the performance	Date: 77	ces hereunder by Cardinal, regardless of whether such claim is based upon any of the above state Received By:	ased upon any of the above stated r	client, its subsidiaries, tasons or otherwise,		
Relinguished By:		Lime:/22	lamaka		Verbal Result:	. 60	□ No Add'i Phone #: Please provide Email address:
		Time:	Kecejved By:		REMARKS:		
Delivered By: (Circle One)		Observed Temp. °C	-	Q.	Turnaround Time:		
Sampler - UPS - Bus - Other:		Corrected Temp. °C	29 Pres Pres	(Initials)	Thermometer ID #113	Rush	Cool Intact Observed Temp. °C

Page 82 of 88



Droinet Manage	piect Manager Barrier, LLC			BILL TO	2		
r roject manager	rroject Manager: Beaux Jennings	· s		P.O. #:	-		ANALYSIS REQUEST
Address: 601 N	Address: 601 N Marienfeld Street, Suite 400	t, Suite 400		Company: Own He			
City: Midland		State: TX	Zip: 79701	Attn: Wade Diffrich	· iiic.	_	
Phone #: 210-219-8858	9-8858	Fax#:		Address:			
Project #: 0561417646	ghatible	Project Owner:	ier:	Oit.			
Project Name: Hallown	5	#888 # 1003	2				
Project Location:	32.7 IGH	100	1	idiz :anno		_	
Sampler Name	7	1,100	5	Phone #: 575-390-2828			
FOR LAB USE ONLY	ME 381 SW	ithi. To		Fax#:		b	_
			MATRIX	PRESERV. SA	SAMPLING	21	
Lahin	Sample	Depth	ERS		les	-	
H231512	Sample I.D.		G)RAB OR (CONTAINE ROUNDWA ASTEWATE DIL L UDGE	THER: CID/BASE: E/COOL THER;	· hlor.d	3TEX	
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Si,	F5-15	O, O	7	42-13.5 ×	1031 X	×	
36	F5-76	AD	^ >	Sura V		X A	
27	41-54	0,0		4-12-12	1036 ×	×	
200	222	10	> (4 531-23	1039	×	
200	2-29	00		x 3-11-13	1040 X	×	
30	2,30	0,0		X 3-3-23	1042 +	×	
PLEASE NOTE: Liability and Dama analyses. All claims including those	mages. Cardinal's liability and	Client's exclusive remedy for a	Cardinal's liability and client's exclusive remedy for any claim arising whether based in construct or local liability.	K 3-31-13	X hhoi	~ _	
service. In no event shall Cardinal affiliates or successors arising out.	the liable for incidental or co	ner cause whatsoever shall be on neequental damages, including note of services hereunder by Co	earder. In no event shall Cardinal be liable for indeballed recognized and applicable designed washed unless made in writing and recognized which the best less for the amount paid by the client for the stifflates or successors arising out of or related to the performance of services hierarchically client in the performance of services hierarchically reportable of which the state of the performance of services hierarchically reportable of which the state of the performance of services hierarchically reportable of which the state of the performance of services hierarchically reportable of which the state of the performance of services hierarchically reportable of which the state of the performance of services hierarchically reportable of which the state of the performance of services hierarchically reportable of which the state of the performance of services hierarchically reportable of which the state of the performance of services hierarchically reportable of the performance of the perf	ide in writing and received by Cardinal within 30 days after sinterruptions, loss of use, or loss of profits incurred by the south dailm is housed.	id by the client for the or completion of the applicable client, its subsidiaries,		
8	V	Time: 123	Received By:	11/100	Verbal Result:	00	Add'l Phone #:
Relinquished By:		Date:	Thuman I	Hanker			P. C.
		Time:	Received By:		REMARKS:		
Delivered By: (Circle One)		Occarved Tamp. "C	Sample Condition				
Sampler - UPS - Bus - Other:			Cool Intact	(Initials)	Turnaround Time: Thermometer ID #11	Standard K	
		† Cardinal ca	Cardinal cannot accept verbal changes Please amail changes	ine Plasea amail shar	Correction Factor -0.5°C	c	□ Nc □ No Corrected Temp. °C



Company Manne	Company Maille: Ensolum, LLC			BILL TO	2		
Project Manage	Project Manager: Beaux Jennings			P.O. #:	-		ANALYSIS REQUEST
Address: 601 N	Address: 601 N Marienfeld Street, Suite 400	Suite 400		Company: Oxy IISA Inc	las		
City: Midland		State: TX	Zip: 79701	Attn: Wade Dittrich			
Phone #: 210-219-8858	19-8858	Fax#:		Address:			
Project #: 0381417046	9hotihia	Project Owner:	er:	City:			
Project Name:	Hairoun 15	X88#					
Project Location:	Th 12. 26 :	102 97	7	owe. Zip:			
Sampler Name:	Lailet Smi	なってん	1	Pnone #: 575-390-2828	1		
FOR LAB LISE DAILY	1 Max	2015		Fax #:	15		
			MATRIX	PRESERV. SA	SAMPLING	515	
Lab I.D.	Sample I.D.	Depth (feet)	AB OR (C)OMI NTAINERS JNDWATER EWATER	BASE:	Moriue		
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10	16-61	8	C - \	521-27		(x)	
80	52	8	()	X 371-73		\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	
39	F1-39	000	7 1 7	× 3-31-35	17.7	X X ,	
PLEASE NOTE: Liability and Damages	Damages, Cardinal's liability and d	lent's explusive remedy for an	C (L	55-18-6	1170 X	X	
halyses, All claims including the solution of	hose for negligence and any other nal be liable for incidental or consu- put of or related to the performance	cause whatsoever shall be deemed walw equental damages, including without limits e of services hereunder by Cardinal, regar	analyses, All claims including those for negligence and any other cause whatspower shall be detended water to sate of nontract or tort, shall be limited to the amount paid by the client for the service. In no event shall be detended water unless made in writing and received by Cardinal within 30 days after completion of the applicable affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is heaven from the contract of the contract of services hereunder by Cardinal, regardless of whether such claim is heaven from contract.	"Ig writing based in contract or tort, shall be limited to the amount p ed unless made in writing and received by Cardinal within 30 days at stion, business interruptions, loss of use, or loss of profits incurred by diseas of Whethirs such claim is heard tomos secured.	aid by the client for the ter completion of the applicable client, its subsidiaries,		
J. J. J.		Date: 3-23	Received By:	On I I I	Verbal Result:	Yes & No Ad	Add'l Phone #:
Relinquished By:		Time:/83	Jamak.	The Sale	All Results are email	Please provi	mail address:
		Time:	Received By:	9	REMARKS:		
Delivered By: (Circle One) Sampler - UPS - Bus - Other		Observed Temp. °C		On CHECKED BY:	Turnaround Time:	Standard 🖸	0
ma - CP3 - margina		Corrected Temp. "C	0,9 Ares Ares	0	Thermometer ID #113		Cool Intact Observed Temp. °C



	Project and Projec			BILL TO	2		
Froject Manage	rroject Manager: Beaux Jennings			P.O. #:	-		ANALYSIS REQUEST
Address: 601 N	Address: 601 N Marienfeld Street, Suite 400	Suite 400		Company: Oxy USA Inc	Inc		
City: Midland		State: TX	Zip: 79701	Attn: Wade Diffrich			
N	19-8858	Fax #:		Address:			
Project #: 0%	94041h1898	Project Owner:	er:	City:			
Project Name:	Ol	H002				_	_
Project Location:	32, 21947	-103.47516	1	orate: Zip:		_	_
Sampler Name:	1	000		Phone #: 575-390-2828			
FOR LAB USE ONLY	time solitary	4:76		Fax#:			
			P. MATRIX	PRESERV. SA	SAMPLING		
Lab I.D.	Sample I.D.	Depth (feet)	PAB OR (C)OMICONTAINERS ROUNDWATER ASTEWATER DIL UDGE	HER : ID/BASE: // COOL HER :	Chloride	BTEYE TPH 80	
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24	12.19	ν̈́ο		42-16-6 X	1210 /	Y L	
50	F\$-50	No		4. h.s.	1717 4	X	
PLEASE NOTE: Liability and Dam.	Damages, Cardinal's fiability and of	ent's exclusive remedy for any	Claim arising which	1 3-31-23	+ h121	×	
service. In no event shall Cardi affiliates or successors arising o	those for negligence and any other inal be liable for incidental or consu- out of or related to the performance	cause whatsoever shall be de equental damages, including w e of services hereunder by Car	removes, we datins including those for negligence and any other cause whatever shall be deemed welved unless made in writing and received by Earlied to the amount paid by the client for the service. In no event shall Cardinal be liable for incidental or consequental damages, including without limitation, business thermptions, loss of use, or loss of profits incurred by client, its subsidiaries, including without limitation, business thermptions, loss of use, or loss of profits incurred by client, its subsidiaries, including without limitation, business thermptions, loss of use, or loss of profits incurred by client, its subsidiaries, including without limitation to the performance of services hereunder by Cardinal, regardless of whether such datain is heard income.	asseo in contract or fort, shall be limited to the amount posed in writing and received by Cardnal within 30 days at as interruptions, loss of use, or loss of profits incurred by their such daim is based income.	id by the client for the er completion of the applicable client, its subsidiaries,		
Relinguished B.		72.3.23 Time: 3.23	Received By:	13	Verbal Result: Ye All Results are emailed	. 60	超.No Add'l Phone #: Please provide Email address:
		Time:	Received By:		REMARKS:		
Delivered By: (Circle One) Sampler - UPS - Bus - Other:		Observed Temp. °C	回り	CHECKED BY:	Turnaround Time:	Standard	Bacteria (only) Sample Condition Cool Intact Observed Temp. °C
No to Done and to a	27/10/01/21	† Cardinal can	Cardinal cannot accept verhal changes plants		arrection Facto	0	No No Corrected Temp. °C

Company Name	ompany Name: Ensolum, LLC			01117	5			
Project Manage	Project Manager: Beaux Jennings	S		P.O.#:	-		ANALYSIS REQUEST	EST
Address: 601 N	Address: 601 N Marienfeld Street, Suite 400	t, Suite 400		Company: Oxy USA Inc	Ino			
City: Midland		State: TX	Zip: 79701	Attn: Wade Dittrich			_	
Phone #: 210-219-8858	9-8858	Fax#:		Address:			_	
Project #: 63	940+141860	Project Owner:	ler:	City:		_	_	
Project Name: Harroun	tulloun 15	#008		State: Zin:	0			
Project Location:	: 32. 2447	1103,9751	d	#: 575	500			
Sampler Name:	Mailecsmi	4116		East #)	_	
FOR LAB USE ONLY		-	MATRIX	1) (
				PRESERV.				
Lab I.D. H231512	Sample I.D.	Depth (feet)	G)RAB OR (C)O CONTAINERS GROUNDWATER VASTEWATER OIL OIL LUDGE	THER: CID/BASE; CE/COOL THER:	Chloric	BTEX &		
51	18-51	8'	~ ;	A 10	, , , , , , , , , , , , , , , , , , ,			
30	1552	8,	7 1 7	Sake X	12	2		
20		8	C -	X 3-31-23	2	y.		
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36	1-M5	5-0	_ ×	82-14g >	_	×.		
30.	7.mg	8-0	C	₹ 33.13		/-		
300	C-MS	8-0		4 82 x				
07	h-Mc	8-0	∩ - +	x 3-31-23	1302 +	K 3		
PLEASE NOTE: Liability and D	Smades Cardinal's liability and	08	(- X	x 73123	1304 X	X		
analyses, All claims including t service. In no event shall Cardi affiliates or successors arising o	hose for negligence and any or nel be liable for incidental or or sut of or related to the perform	and carries exclusive remedy for a other cause whatsoever shall be consequental damages, including ance of services hereunder by C	analyses. All daims including those for negligence and any office cause whether based in contract or tort, shall be limited to the amount paid by the client for the service. In no event shall Cardinal be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of problem hours by cardinal within 30 days after completion of the applicable affiliates or successors string out of or related to the performance of services hereunder by Cardinal, regardless of whether such daims based quote any of the above stated by deed, its subsidiaries,	or tort, shall be limited to the amount pa d received by Cardinal within 30 days afti loss of use, or loss of profits incurred by a is based upon any of the above stated to	aid by the client for the ter completion of the applicable client, its subsidiaries,			
A Company of the Comp		1 25/lewil	Some by.		Verbal Result: ☐ Yes All Results are emailed.	Please prov	Add'I Phone #: de Email address:	
, and the second		Time:	Received By:		REMARKS:			
Delivered By: (Circle One)		Observed Temp, °C	Sample	9	Turnaround Time:	ard	Bacteria (only) Sample Condition	Condition
FORM-000 RS.Z	Other:	Corrected Temp. *C	0.9 Ares Tres	(Initials)	Thermometer ID #113	Rush	Cool Intact Obs	Observed Temp. °C
							I MAIN I MAN PORT	

CARDINAL
Laboratories
101 East Marland, Hobbs, NM 88240

Company Name	Company Name: Ensolum 110									
Droingt Man	1				BILL 1	70			ANALYSIS REQUEST	
Froject manage	Froject Manager: Beaux Jennings	gs			P.O. #:		\dashv	1		1
Address: 601 N	Address: 601 N Marienfeld Street, Suite 400	t, Suite 400			Company: Oxy USA Inc.	A Inc.				
City: Midland		State: TX	Zip	Zip: 79701	Attn: Wade Dittrich		_			
Phone #: 210-219-8858		Fax #:			Address:		_			
Project #: (52)	130111 pt 050	Project Owner:	er:		City:					
Project Name:	Harryan 15	#008			State: 7in-					
Project Location: 3/	"32 2194"	1,-103,475	4		# 575					
Sampler Name:	lagite 5	Minite : To			Fax #			m		
FOR LAB USE ONLY				MATRIX	ESERV.	SAMPLING				
Lab I.D.	Sample I.D.	Depth (feet)	OR (C)OMP.		ASE: DOL :	loside		TEX 8		
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(6)	OFMS	8-9	~	- ^	1 3-31-23		4	X,		
(ele	5w11	8-0	-	_	x 3-31-23	3 1316 7	1	/		
(6)		,8.0	0	- X	52-18-5		x			1
60	CI 2MS	80	0	~	1 33123		+	*		
69	m-mg	0-8'	^	-	3-31-25	V-	K	4)		
PLEASE NOTE: Liability and Dam	5m-15	0-45	^		K3-14-E3	3 1324 +	X	X		
nalyses, All claims including the envice. In no event shall Card fillates or successors arising of	company and centrality and the control of the contr	and client's exclusive remedy for any delaim arising whether based in contra rother cause whatboever shall be deemed walved unless made in wifing a consequental damages, including without limitation, business interruptional manor of services hereunder by Cardinal, secundana of whether such visual	ny claim a feemed v without it	enalyses. All claims including those for negligence and any other seculasive remotify on any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the service. In no event shall Cardinal be liable for incidental or consequental damages, including whether damades, business interruptions, loss of use, or loss of gratts incurred by client, its subsidiaries, influence or successors arising out of or related to the performance of services hereunder by Cardinal reaccidence of whether a contraction of the subsidiaries.	ort, shall be limited to the amount ceived by Cardinal within 30 days of use, or loss of profits incurred.	paid by the client for the after completion of the applica by client, its subsidiaries,	e .			E
July Day:	1	Date: U. J.	Rec	Received By:	1011	Verbal Result:	□ Yes	No No	Add'l Phone #:	
M		Times 153		Tomaka /	The same	All Results are emailed.	mailed		Please provide Email address:	
Kelinquisned By:		Date: Time:	Rec	Received By:		REMARKS:				
3	le One)	Observed Temp. °C	1.5	Sample Condition	SH CH	Turnaround Time:		ard		
Sampler - UPS - Bus	Bus - Other:	Corrected Temp. C	0.9	Yes Yes	(Initials)	Thermometer ID #113	413 0.5°C		Cool Intact Observed Temp. °C	
						The Control of the Co				

101 East Marland, Hobbs, NM 88240

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name:	Ensolum IIC					0111		ı				
Project Manager:	m				P.O. #:	DIET IO		+		AN	ANALYSIS RE	REQUEST
Address: 601 N	601 N. Marienfeld St. STE 400	400			Company:	W: Oxy USA	. Inc.	_				
City: Midland		State: TX	Zip:	: 79701	Attn: V	8		_		_	_	
Phone #: 210-21	210-219-8858	Fax #:			es l			_		_		
Project #: 0381417046	1417046	Project Owner:	ā		City:			2				
Project Name: /-	Harrisun 15 th	B00H			State:	Zin:		,60		_		
Project Location:	th 012.28	703,975,5			D			15				
Sampler Name:	heller Sm	177			Phone #:	. 070-080-2020			5	_		
Complet Name.	MC 33115W	th 1100	1		Fax #:							
TOK DIS USE ONLY			ΛP.	MATRIX	PRESERV		SAMPLING	802		_		
Lab I.D. H231512	Sample I.D.	Sample Depth (feet)	G)RAB OR (C)OM	CONTAINERS ROUNDWATER //ASTEWATER OIL	LUDGE THER: CID/BASE: E / COOL	THER:		Chloria 8	TPH 80			
7)	Swile	0.8		∠ S	A	_	1376 X	<		+	I	
72	5W-17	0-8	0		7	3-3125	1379 1	4	200	1		
73	81-18	30	0	1	7	33623	X 000	< ,	4	+		
74	5W-19	08	0	۸.	7	33172	7 016	A :	45			
75	SN-10	08	0	-	+.	3-31-72	7 11621	× .	4;			
16	12-185	000	0		×	231-25	1336 X	X	Κ.			
71	5W-22	0-8'	0		7	82-16-E	1338 X	X.	K 3	+		-
18	SW-23	18-0	C	*	+	3-24-23	1345		K 7	1		
PLEASE NOTE: Lability and Dami	manes Cardinals linking and district								,			
malyses, All claims including the service, in no event shall Cardina iffiliates or successors arising out		cause whatsoever shall be de quental damages, including w of services hereunder by Car	emed wa emout lin dinal, rep	or wit yours manage wretter based in contract or lort, shall be limited to the amount past by the client for the ill be deemed valued unless made in veriling and received by Cardinal within 30 days after completion of the a uding without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, by Cardinal, regardless of whether such claim is based upon any of the above statled resector or otherwise.	sed in contract or fort, shall be limit in writing and received by Cardin interruptions, loss of use, or loss of its such claim is based upon any of	ited to the amount painal within 30 days after of profits incurred by coff the above stated re-	by the client for the completion of the applic lent, its subsidiaries, sons or otherwise.	able		-		
		155	Vece	Monday.		A STATE OF THE STA	Verbal Result: All Results are emailed. Pla Blennings@ensolum.com	☐ Yes mailed. F	0 0	Add'I I	Y☐ No Add'I Phone #: Please provide Email address: om	
		Time:	Kece	Received By:		(REMARKS:					
Sampler - UPS - Bus - Other:		Observed Temp. °C	200	Sample Condition Cool Infact Yes 7 Yes No No		CHECKED BY: (Initials)	Turnaround Time: Thermometer ID #1 Correction Factor -0	5.0	Standard		Bacteria (only) Cool Intact	Bacteria (only) Sample Condition Cool Infact Observed Temp. °C



May 02, 2023

BEAUX JENNINGS

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: HARROUN 15 # 008

Enclosed are the results of analyses for samples received by the laboratory on 04/27/23 15:00.

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/ga/lab accred certif.html.

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

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

Accreditation applies to public drinking water matrices.

Celey D. Keene

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

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

Received: 04/27/2023 Reported: 05/02/2023

Project Name: HARROUN 15 # 008
Project Number: 03B1417046

Project Location: OXY 32.21947,-103.97515

Sampling Date: 04/27/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: FS - 2 12' (H232085-01)

Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5760	16.0	04/28/2023	ND	448	112	400	3.64	
Sample ID: FS - 3 12' (H	232085-02)								
Chloride, SM4500CI-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	9200	16.0	04/28/2023	ND	448	112	400	3.64	
Sample ID: FS - 4 12' (H	232085-03)								
•	232085-03) mg/	'kg	Analyze	d By: AC					
•	•	/kg Reporting Limit	Analyze Analyzed	d By: AC Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride, SM4500CI-B Analyte	mg/		•	•	BS 448	% Recovery	True Value QC 400	RPD 3.64	Qualifier
Chloride, SM4500CI-B Analyte Chloride	mg/ Result 10600	Reporting Limit	Analyzed	Method Blank		,	·		Qualifier
Sample ID: FS - 4 12' (HE Chloride, SM4500Cl-B Analyte Chloride Sample ID: FS - 5 12' (HE Chloride, SM4500Cl-B	mg/ Result 10600	Reporting Limit	Analyzed 04/28/2023	Method Blank		,	·		Qualifier
Chloride, SM4500CI-B Analyte Chloride Sample ID: FS - 5 12' (H	mg/ Result 10600 232085-04)	Reporting Limit	Analyzed 04/28/2023	Method Blank ND		,	·		Qualifier

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keine



Analytical Results For:

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

Received: 04/27/2023 Reported: 05/02/2023

Project Name: HARROUN 15 # 008
Project Number: 03B1417046

Project Location: OXY 32.21947,-103.97515

Sampling Date: 04/27/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: FS - 6 12' (H232085-05)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	11200	16.0	04/28/2023	ND	448	112	400	3.64	
Sample ID: FS - 7	12' (H232085-06)								
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	10400	16.0	04/28/2023	ND	448	112	400	3.64	
Sample ID: FS - 8	12' (H232085-07)								
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	736	16.0	04/28/2023	ND	448	112	400	3.64	
Sample ID: FS - 9	12' (H232085-08)								
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2800	16.0	04/28/2023	ND	448	112	400	3.64	
Sample ID: FS - 10) 12' (H232085-09)								
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4040	16.0	04/28/2023	ND	448	112	400	3.64	

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Celeg & Freene



Analytical Results For:

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

Received:

04/27/2023

Sampling Date:

04/27/2023

Reported:

05/02/2023

Sampling Type:

Soil

Project Name:

HARROUN 15 # 008

Sampling Condition: Sample Received By: Cool & Intact Tamara Oldaker

Project Number: Project Location:

Analyte

Analyte

Analyte

03B1417046

OXY 32.21947,-103.97515

Sample ID: FS - 11 12' (H232085-10)

Chloride, SM4500Cl-B

Analyzed By: AC

% Recovery

112

Chloride

3680

Result

04/28/2023

Analyzed

Method Blank ND

BS 448

400

RPD Qualifier

3.64

Sample ID: FS - 12 12' (H232085-11)

Chloride, SM4500Cl-B

Reporting Limit

16.0

16.0

Reporting Limit

16.0

16.0

Analyzed By: AC

True Value QC

Chloride

Chloride

Result 10600

Result

6480

Reporting Limit Analyzed

04/28/2023

Analyzed

04/28/2023

Analyzed

04/28/2023

Method Blank ND

Method Blank

ND

BS 448 % Recovery 112

True Value QC

RPD Qualifier

Sample ID: FS - 13 12' (H232085-12)

Chloride, SM4500Cl-B

Analyzed By: AC

BS

448

448

% Recovery

112

112

400

True Value QC

400

3.64

RPD

3.64

Sample ID: FS - 15 12' (H232085-13)

Chloride, SM4500Cl-B

mg/kg

Analyzed By: AC

Reporting Limit Analyte Result Chloride 4400

Method Blank BS

ND

% Recovery

True Value QC

400

RPD

3.64

Qualifier

Qualifier

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Celeg D. Keene



Analytical Results For:

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

Fax

Received: 04/27/2023 Sampling Date: 04/27/2023

Reported: 05/02/2023 Sampling Type: Soil

Project Name: HARROUN 15 # 008 Sampling Condition: Cool & Intact
Project Number: 03B1417046 Sample Received By: Tamara Oldaker

Project Location: OXY 32.21947,-103.97515

Sample ID: FS - 16 12' (H232085-14)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	976	16.0	05/01/2023	ND	432	108	400	7.69	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/28/2023	ND	216	108	200	21.5	
DRO >C10-C28*	<10.0	10.0	04/28/2023	ND	204	102	200	20.9	
EXT DRO >C28-C36	<10.0	10.0	04/28/2023	ND					
Surrogate: 1-Chlorooctane	90.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	94.0	% 49.1-14	8						

Sample ID: FS - 17 12' (H232085-15)

Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	7680	16.0	05/01/2023	ND	432	108	400	7.69	

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Celey D. Keene



Analytical Results For:

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

Received: 04/27/2023 Reported: 05/02/2023

Project Name: HARROUN 15 # 008
Project Number: 03B1417046

Project Location: OXY 32.21947,-103.97515

Sampling Date: 04/27/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: FS - 18 12' (H232085-16)

Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	9800	16.0	05/01/2023	ND	432	108	400	7.69	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<50.0	50.0	04/28/2023	ND	216	108	200	21.5	
DRO >C10-C28*	2970	50.0	04/28/2023	ND	204	102	200	20.9	
EXT DRO >C28-C36	571	50.0	04/28/2023	ND					
Surrogate: 1-Chlorooctane	93.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	116 9	% 49.1-14	18						

Sample ID: FS - 19 12' (H232085-17)

Chloride, SM4500Cl-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	8200	16.0	05/01/2023	ND	432	108	400	7.69	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/28/2023	ND	216	108	200	21.5	
DRO >C10-C28*	51.2	10.0	04/28/2023	ND	204	102	200	20.9	
EXT DRO >C28-C36	<10.0	10.0	04/28/2023	ND					
Surrogate: 1-Chlorooctane	89.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	96.6	% 49.1-14	8						

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Celey D. Keene



Analytical Results For:

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

Received: 04/27/2023 Reported: 05/02/2023

Project Name: HARROUN 15 # 008
Project Number: 03B1417046

Project Location: OXY 32.21947,-103.97515

Sampling Date: 04/27/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: FS - 20 12' (H232085-18)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4560	16.0	05/01/2023	ND	432	108	400	7.69	

Sample ID: FS - 21 12' (H232085-19)

Chloride, SM4500Cl-B	Analyze	d By: AC							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6320	16.0	05/01/2023	ND	432	108	400	7.69	

Sample ID: FS - 22 12' (H232085-20)

Chloride, SM4500Cl-B	mg	mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	960	16.0	05/01/2023	ND	432	108	400	7.69	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/28/2023	ND	216	108	200	21.5	
DRO >C10-C28*	<10.0	10.0	04/28/2023	ND	204	102	200	20.9	
EXT DRO >C28-C36	<10.0	10.0	04/28/2023	ND					
Surrogate: 1-Chlorooctane	87.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	89.8	% 49.1-14	8						

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Analytical Results For:

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

Received: 04/27/2023 Sampling Date: 04/27/2023

Reported: 05/02/2023 Sampling Type: Soil
Project Name: HARROUN 15 # 008 Sampling Condition: Cool & Intact

Project Number: 03B1417046 Sample Received By: Tamara Oldaker

Project Location: OXY 32.21947,-103.97515

Sample ID: FS - 23 12' (H232085-21)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6480	16.0	05/01/2023	ND	432	108	400	7.69	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/28/2023	ND	216	108	200	21.5	
DRO >C10-C28*	691	10.0	04/28/2023	ND	204	102	200	20.9	
EXT DRO >C28-C36	127	10.0	04/28/2023	ND					
Surrogate: 1-Chlorooctane	92.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	94.1	% 49.1-14	8						

Sample ID: FS - 24 12' (H232085-22)

Chloride, SM4500Cl-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	8400	16.0	05/01/2023	ND	432	108	400	7.69	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/28/2023	ND	166	83.0	200	1.99	
DRO >C10-C28*	<10.0	10.0	04/28/2023	ND	187	93.7	200	5.96	
EXT DRO >C28-C36	<10.0	10.0	04/28/2023	ND					
Surrogate: 1-Chlorooctane	83.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	108	% 49.1-14	8						

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Analytical Results For:

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

Received: 04/27/2023 Reported: 05/02/2023

Project Name: HARROUN 15 # 008
Project Number: 03B1417046

Project Location: OXY 32.21947,-103.97515

Sampling Date: 04/27/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: FS - 25 12' (H232085-23)

Chloride, SM4500CI-B	mg	mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	7680	16.0	05/01/2023	ND	432	108	400	7.69	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/28/2023	ND	166	83.0	200	1.99	
DRO >C10-C28*	<10.0	10.0	04/28/2023	ND	187	93.7	200	5.96	
EXT DRO >C28-C36	<10.0	10.0	04/28/2023	ND					
Surrogate: 1-Chlorooctane	86.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	109	% 49.1-14	8						

Sample ID: FS - 26 12' (H232085-24)

Chloride, SM4500Cl-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	11600	16.0	05/01/2023	ND	432	108	400	7.69	
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	04/28/2023	ND	166	83.0	200	1.99	
DRO >C10-C28*	<10.0	10.0	04/28/2023	ND	187	93.7	200	5.96	
EXT DRO >C28-C36	<10.0	10.0	04/28/2023	ND					
Surrogate: 1-Chlorooctane	94.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	121	% 49.1-14	8						

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Analytical Results For:

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

Received: 04/27/2023 Reported: 05/02/2023

Project Name: HARROUN 15 # 008
Project Number: 03B1417046

Project Location: OXY 32.21947,-103.97515

Sampling Date: 04/27/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: FS - 27 12' (H232085-25)

mg/	/kg	Analyze	d By: AC					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
6880	16.0	05/01/2023	ND	432	108	400	7.69	
12' (H232085-26)								
mg/	/kg	Analyze	d By: AC					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
976	16.0	05/01/2023	ND	432	108	400	7.69	
12' (H232085-27)								
mg/	/kg	Analyze						
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
1020	16.0	05/01/2023	ND	432	108	400	7.69	
12' (H232085-28)								
mg/	/kg	Analyze	d By: AC					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
2120	16.0	05/01/2023	ND	432	108	400	7.69	
12' (H232085-29)								
12' (H232085-29)	/kg	Analyze	d By: AC					
`	/kg Reporting Limit	Analyze Analyzed	d By: AC Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
	Result 6880 12' (H232085-26) mg, Result 976 12' (H232085-27) mg, Result 1020 12' (H232085-28) mg, Result	6880 16.0 12' (H232085-26) mg/ky Result Reporting Limit 976 16.0 12' (H232085-27) mg/ky Result Reporting Limit 1020 16.0 12' (H232085-28) mg/ky Result Reporting Limit	Result Reporting Limit Analyzed 6880 16.0 05/01/2023 12' (H232085-26) mg/kg Analyzed 976 16.0 05/01/2023 12' (H232085-27) Analyzed Result Reporting Limit Analyzed 1020 16.0 05/01/2023 12' (H232085-28) Analyzed Result Reporting Limit Analyzed	Result Reporting Limit Analyzed Method Blank 6880 16.0 05/01/2023 ND 12' (H232085-26) mg/ky Analyzed By: AC Result Reporting Limit Analyzed Method Blank 976 16.0 05/01/2023 ND 12' (H232085-27) mg/ky Analyzed By: AC Result Reporting Limit Analyzed Method Blank 1020 16.0 05/01/2023 ND 12' (H232085-28) mg/ky Analyzed By: AC Result Reporting Limit Analyzed Method Blank	Result Reporting Limit Analyzed Method Blank BS 6880 16.0 05/01/2023 ND 432 12' (H232085-26) Manalyzed By: AC Result Reporting Limit Analyzed Method Blank BS 976 16.0 05/01/2023 ND 432 12' (H232085-27) Analyzed By: AC Result Reporting Limit Analyzed Method Blank BS 12' (H232085-28) Analyzed By: AC Result Reporting Limit Analyzed Method Blank BS	Result Reporting Limit Analyzed Method Blank BS % Recovery 6880 16.0 05/01/2023 ND 432 108 12' (H232085-26) mg/kg Analyzed By: AC Result Reporting Limit Analyzed Method Blank BS % Recovery 976 16.0 05/01/2023 ND 432 108 12' (H232085-27) mg/kg Analyzed By: AC Result Reporting Limit Analyzed Method Blank BS % Recovery 12' (H232085-28) mg/kg Analyzed By: AC Result Reporting Limit Analyzed By: AC	Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC 6880 16.0 05/01/2023 ND 432 108 400 12' (H232085-26) Mg/kg Analyzed By: AC Result Reporting Limit Analyzed By: AC True Value QC 12' (H232085-27) Analyzed By: AC Result Reporting Limit Analyzed By: AC True Value QC 1020 16.0 05/01/2023 ND 432 108 400 12' (H232085-28) Mg/kg Analyzed By: AC Result Reporting Limit Analyzed By: AC	Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD 6880 16.0 05/01/2023 ND 432 108 400 7.69 12' (H232085-26) mg/kg Analyzed By: AC Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD 976 16.0 05/01/2023 ND 432 108 400 7.69 12' (H232085-27) mg/kg Analyzed By: AC Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD 12' (H232085-28) mg/kg Analyzed By: AC Result Reporting Limit Analyzed By: AC

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04/27/2023

Soil

Analytical Results For:

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

Received: 04/27/2023 Sampling Date: Reported: 05/02/2023 Sampling Type:

Project Name: HARROUN 15 # 008 Sampling Condition: Cool & Intact
Project Number: 03B1417046 Sample Received By: Tamara Oldaker

Project Location: OXY 32.21947,-103.97515

Sample ID: FS - 32 12' (H232085-30)

Chloride, SM4500Cl-B	mg	mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5200	16.0	05/01/2023	ND	432	108	400	7.69	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/28/2023	ND	166	83.0	200	1.99	
DRO >C10-C28*	<10.0	10.0	04/28/2023	ND	187	93.7	200	5.96	
EXT DRO >C28-C36	<10.0	10.0	04/28/2023	ND					
Surrogate: 1-Chlorooctane	91.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	118	% 49.1-14	'8						

Sample ID: FS - 33 12' (H232085-31)

Chloride, SM4500Cl-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1360	16.0	05/01/2023	ND	432	108	400	7.69	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/28/2023	ND	166	83.0	200	1.99	
DRO >C10-C28*	<10.0	10.0	04/28/2023	ND	187	93.7	200	5.96	
EXT DRO >C28-C36	<10.0	10.0	04/28/2023	ND					
Surrogate: 1-Chlorooctane	87.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	113 9	% 49.1-14	8						

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Analytical Results For:

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

Received: 04/27/2023

Reported: 05/02/2023 Project Name: HARROUN 15 # 008

Project Name: HARROUN 15 #
Project Number: 03B1417046

Project Location: OXY 32.21947,-103.97515

Sampling Date: 04/27/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: FS - 34 12' (H232085-32)

Chloride, SM4500Cl-B Analyzed By: AC Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD Qualifier 05/01/2023 Chloride 1470 16.0 ND 432 108 400 7.69

Sample ID: FS - 35 12' (H232085-33)

Chloride, SM4500Cl-B Analyzed By: AC BS True Value QC RPD Analyte Result Reporting Limit Analyzed Method Blank Qualifier % Recovery 4560 16.0 05/01/2023 432 400 7.69 Chloride ND 108

Sample ID: FS - 36 12' (H232085-34)

Surrogate: 1-Chlorooctadecane

Chloride, SM4500Cl-B mg/kg Analyzed By: AC Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD Qualifier Chloride 3360 04/28/2023 ND 400 16.0 432 108 3.77 QM-07 TPH 8015M mg/kg Analyzed By: MS % Recovery Analyte Result Reporting Limit Analyzed Method Blank BS True Value QC **RPD** Qualifier 200 GRO C6-C10* <10.0 10.0 04/28/2023 ND 166 83.0 1.99 DRO >C10-C28* 04/28/2023 93.7 200 5.96 <10.0 10.0 ND 187 EXT DRO >C28-C36 <10.0 10.0 04/28/2023 ND Surrogate: 1-Chlorooctane 87.5 % 48.2-134

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Celey D. Keene, Lab Director/Quality Manager

112 %

49.1-148



Analytical Results For:

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

Received: 04/27/2023 Reported: 05/02/2023

Project Name: HARROUN 15 # 008
Project Number: 03B1417046

Project Location: OXY 32.21947,-103.97515

Sampling Date: 04/27/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: FS - 37 12' (H232085-35)

Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	832	16.0	04/28/2023	ND	432	108	400	3.77	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/28/2023	ND	166	83.0	200	1.99	
DRO >C10-C28*	<10.0	10.0	04/28/2023	ND	187	93.7	200	5.96	
EXT DRO >C28-C36	<10.0	10.0	04/28/2023	ND					
Surrogate: 1-Chlorooctane	94.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	123	% 49.1-14	8						

Sample ID: FS - 38 12' (H232085-36)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1070	16.0	04/28/2023	ND	432	108	400	3.77	

Sample ID: FS - 39 12' (H232085-37)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	656	16.0	04/28/2023	ND	432	108	400	3.77	

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Analytical Results For:

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

 Received:
 04/27/2023
 Sampling Date:
 04/27/2023

 Reported:
 05/02/2023
 Sampling Type:
 Soil

Project Name: HARROUN 15 # 008 Sampling Condition: Cool & Intact
Project Number: 03B1417046 Sample Received By: Tamara Oldaker

Project Location: OXY 32.21947,-103.97515

Sample ID: FS - 40 12' (H232085-38)

Chloride, SM4500Cl-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	9000	16.0	04/28/2023	ND	432	108	400	3.77	
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	04/28/2023	ND	166	83.0	200	1.99	
DRO >C10-C28*	<10.0	10.0	04/28/2023	ND	187	93.7	200	5.96	
EXT DRO >C28-C36	<10.0	10.0	04/28/2023	ND					
Surrogate: 1-Chlorooctane	93.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	120	% 49.1-14	8						

Sample ID: FS - 41 12' (H232085-39)

Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6240	16.0	04/28/2023	ND	432	108	400	3.77	

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04/27/2023

Soil

Analytical Results For:

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

Received: 04/27/2023 Sampling Date:
Reported: 05/02/2023 Sampling Type:

Project Name: HARROUN 15 # 008 Sampling Condition: Cool & Intact
Project Number: 03B1417046 Sample Received By: Tamara Oldaker

Project Location: OXY 32.21947,-103.97515

Sample ID: FS - 42 12' (H232085-40)

Chloride, SM4500Cl-B	mg	mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2760	16.0	04/28/2023	ND	432	108	400	3.77	
PH 8015M		/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/28/2023	ND	166	83.0	200	1.99	
DRO >C10-C28*	<10.0	10.0	04/28/2023	ND	187	93.7	200	5.96	
EXT DRO >C28-C36	<10.0	10.0	04/28/2023	ND					
Surrogate: 1-Chlorooctane	75.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	100	% 49.1-14	8						

Sample ID: FS - 43 12' (H232085-41)

Chloride, SM4500Cl-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3360	16.0	04/28/2023	ND	432	108	400	3.77	
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	04/28/2023	ND	166	83.0	200	1.99	
DRO >C10-C28*	<10.0	10.0	04/28/2023	ND	187	93.7	200	5.96	
EXT DRO >C28-C36	<10.0	10.0	04/28/2023	ND					
Surrogate: 1-Chlorooctane	88.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	113	% 49.1-14	8						

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Analytical Results For:

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

Received: 04/27/2023 Reported: 05/02/2023

Project Name: HARROUN 15 # 008
Project Number: 03B1417046

Project Location: OXY 32.21947,-103.97515

Sampling Date: 04/27/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: FS - 44 12' (H232085-42)

Chloride, SM4500Cl-B	mg,	mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2720	16.0	04/28/2023	ND	432	108	400	3.77	
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	04/28/2023	ND	166	83.0	200	1.99	
DRO >C10-C28*	<10.0	10.0	04/28/2023	ND	187	93.7	200	5.96	
EXT DRO >C28-C36	<10.0	10.0	04/28/2023	ND					
Surrogate: 1-Chlorooctane	86.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	108	% 49.1-14	8						

Sample ID: FS - 45 12' (H232085-43)

Chloride, SM4500Cl-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5280	16.0	04/28/2023	ND	432	108	400	3.77	
TPH 8015M	5M 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	04/28/2023	ND	166	83.0	200	1.99	
DRO >C10-C28*	329	10.0	04/28/2023	ND	187	93.7	200	5.96	
EXT DRO >C28-C36	58.3	10.0	04/28/2023	ND					
Surrogate: 1-Chlorooctane	91.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	115	% 49.1-14	8						

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04/27/2023

Soil

Analytical Results For:

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

Received: 04/27/2023 Sampling Date: Reported: 05/02/2023 Sampling Type:

Project Name: HARROUN 15 # 008 Sampling Condition: Cool & Intact
Project Number: 03B1417046 Sample Received By: Tamara Oldaker

Project Location: OXY 32.21947,-103.97515

Sample ID: FS - 46 12' (H232085-44)

Chloride, SM4500Cl-B	mg/	mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5200	16.0	04/28/2023	ND	432	108	400	3.77	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/28/2023	ND	166	83.0	200	1.99	
DRO >C10-C28*	<10.0	10.0	04/28/2023	ND	187	93.7	200	5.96	
EXT DRO >C28-C36	<10.0	10.0	04/28/2023	ND					
Surrogate: 1-Chlorooctane	91.2 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	117 %	% 49.1-14	8						

Sample ID: FS - 47 12' (H232085-45)

Chloride, SM4500Cl-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3680	16.0	04/28/2023	ND	432	108	400	3.77	
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	04/28/2023	ND	166	83.0	200	1.99	
DRO >C10-C28*	<10.0	10.0	04/28/2023	ND	187	93.7	200	5.96	
EXT DRO >C28-C36	<10.0	10.0	04/28/2023	ND					
Surrogate: 1-Chlorooctane	93.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	120	% 49.1-14	8						

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Analytical Results For:

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

Received: 04/27/2023 Sampling Date: 04/27/2023

Reported: 05/02/2023 Sampling Type: Soil

Project Name: HARROUN 15 # 008 Sampling Condition: Cool & Intact
Project Number: 03B1417046 Sample Received By: Tamara Oldaker

Project Location: OXY 32.21947,-103.97515

Sample ID: FS - 48 12' (H232085-46)

Chloride, SM4500Cl-B	mg	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	9000	16.0	04/28/2023	ND	432	108	400	3.77	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/28/2023	ND	166	83.0	200	1.99	
DRO >C10-C28*	41.7	10.0	04/28/2023	ND	187	93.7	200	5.96	
EXT DRO >C28-C36	<10.0	10.0	04/28/2023	ND					
Surrogate: 1-Chlorooctane	88.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	114	% 49.1-14	8						

Sample ID: FS - 49 12' (H232085-47)

Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2520	16.0	04/28/2023	ND	432	108	400	3.77	

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04/27/2023

Soil

Analytical Results For:

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

Received: 04/27/2023 Sampling Date: Reported: 05/02/2023 Sampling Type:

Project Name: HARROUN 15 # 008 Sampling Condition: Cool & Intact
Project Number: 03B1417046 Sample Received By: Tamara Oldaker

Project Location: OXY 32.21947,-103.97515

Sample ID: FS - 50 12' (H232085-48)

Chloride, SM4500Cl-B	mg/kg		Analyze	Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	11000	16.0	04/28/2023	ND	432	108	400	3.77	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/28/2023	ND	166	83.0	200	1.99	
DRO >C10-C28*	21.5	10.0	04/28/2023	ND	187	93.7	200	5.96	
EXT DRO >C28-C36	<10.0	10.0	04/28/2023	ND					
Surrogate: 1-Chlorooctane	93.2	% 48.2-13	34						
Surrogate: 1-Chlorooctadecane	120	% 49.1-14	18						

Sample ID: FS - 51 12' (H232085-49)

Chloride, SM4500Cl-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4800	16.0	04/28/2023	ND	432	108	400	3.77	
TPH 8015M	mg	/kg	Analyze	Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/28/2023	ND	166	83.0	200	1.99	
DRO >C10-C28*	<10.0	10.0	04/28/2023	ND	187	93.7	200	5.96	
EXT DRO >C28-C36	<10.0	10.0	04/28/2023	ND					
Surrogate: 1-Chlorooctane	90.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	115	% 49.1-14	8						

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Analytical Results For:

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

Received: 04/27/2023 Sampling Date: 04/27/2023

Reported: 05/02/2023 Sampling Type: Soil

Project Name: HARROUN 15 # 008 Sampling Condition: Cool & Intact
Project Number: 03B1417046 Sample Received By: Tamara Oldaker

Project Location: OXY 32.21947,-103.97515

Sample ID: FS - 52 12' (H232085-50)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4640	16.0	04/28/2023	ND	432	108	400	3.77	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/28/2023	ND	166	83.0	200	1.99	
DRO >C10-C28*	<10.0	10.0	04/28/2023	ND	187	93.7	200	5.96	
EXT DRO >C28-C36	<10.0	10.0	04/28/2023	ND					
Surrogate: 1-Chlorooctane	90.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	116	% 49.1-14	8						

Sample ID: FS - 53 12' (H232085-51)

Chloride, SM4500CI-B	mg	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3520	16.0	04/28/2023	ND	432	108	400	3.77	

Sample ID: SW - 1 0-12' (H232085-52)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5120	16.0	04/28/2023	ND	432	108	400	3.77	

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Analytical Results For:

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

04/27/2023

Reported: 05/02/2023

Project Name: HARROUN 15 # 008
Project Number: 03B1417046

Project Location: OXY 32.21947,-103.97515

Sampling Date: 04/27/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SW - 2 0-12' (H232085-53)

Received:

Chloride, SM4500Cl-B	mg,	mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6720	16.0	04/28/2023	ND	432	108	400	3.77	
Sample ID: SW - 4 0-12' (Chloride, SM4500Cl-B	(H232085-54)	-	Analyze	ed By: AC					

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	9330	16.0	05/01/2023	ND	432	108	400	0.00	QM-07

Sample ID: SW - 6 0-12' (H232085-55)

Chloride, SM4500CI-B	B mg/kg			Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	26000	16.0	05/01/2023	ND	432	108	400	0.00	

Sample ID: SW - 7 0-12' (H232085-56)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	24000	16.0	05/01/2023	ND	432	108	400	0.00	

Sample ID: SW - 8 0-12' (H232085-57)

Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	19600	16.0	05/01/2023	ND	432	108	400	0.00	

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Analytical Results For:

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

Received: 04/27/2023 Sampling Date: 04/27/2023

Reported: 05/02/2023 Sampling Type: Soil

Project Name: HARROUN 15 # 008 Sampling Condition: Cool & Intact
Project Number: 03B1417046 Sample Received By: Tamara Oldaker

Project Location: OXY 32.21947,-103.97515

Sample ID: SW - 9 0-12' (H232085-58)

Chloride, SM4500Cl-B	mg,	mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	8000	16.0	05/01/2023	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/28/2023	ND	166	83.0	200	1.99	
DRO >C10-C28*	<10.0	10.0	04/28/2023	ND	187	93.7	200	5.96	
EXT DRO >C28-C36	<10.0	10.0	04/28/2023	ND					
Surrogate: 1-Chlorooctane	85.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	110	% 49.1-14	8						

Sample ID: SW - 10 0-12' (H232085-59)

Chloride, SM4500Cl-B	mg	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3520	16.0	05/01/2023	ND	432	108	400	0.00	

Sample ID: SW - 11 0-12' (H232085-60)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	336	16.0	05/01/2023	ND	432	108	400	0.00	

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Analytical Results For:

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

Fax To:

Received: 04/27/2023 Reported: 05/02/2023

Project Name: HARROUN 15 # 008
Project Number: 03B1417046

Project Location: OXY 32.21947,-103.97515

Sampling Date: 04/27/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SW - 12 0-12' (H232085-61)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1200	16.0	05/01/2023	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/28/2023	ND	166	83.0	200	1.99	
DRO >C10-C28*	155	10.0	04/28/2023	ND	187	93.7	200	5.96	
EXT DRO >C28-C36	14.3	10.0	04/28/2023	ND					
Surrogate: 1-Chlorooctane	92.4	% 48.2-13	14						
Surrogate: 1-Chlorooctadecane	120	% 49.1-14	18						

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Notes and Definitions

QR-04 The RPD for the BS/BSD was outside of historical limits.

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

ecovery.

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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Company Name:	English IIC			BILL TO		ANALYSIS REQUEST
Project Manager:	Beaux Jennings			P.O. #:		
Address: 601 N	601 N. Marienfeld St. STE 400	400		Company: Oxy USA, I	Inc.	
City: Midland		State: TX	Zip: 79701	Attn: Wade Dittrich		
Phone #: 210-219-8858	9-8858	Fax #:		Address:		
Project #: 4384	Project #: 42814 0351417046	Project Owner:		City:		
Project Name:	Harroun 15 #too 8	Se		State: Zip:	2	
≍	17 -	pa sisth to	du counte rum	Phone #: 575-390-2828	501	
Sampler Name:	1120 61	450	1	Fax#:		
FOR LAB USE DNLY			R	PRESERV. SAMPLING	des	
Lab I.D.	Sample I.D.	Sample Depth (feet)	(G)RAB OR (C) # CONTAINER GROUNDWAT WASTEWATER SOIL OIL SLUDGE	OTHER: ACID/BASE: ICE / COOL COTHER:	Chlori TPH	
	5.2	12'	C - X	Settit N	X 2560	
2		12'		X 427-25	0951 X	
CVI	1-8-7	12'	C - ×	X 4-27-13	0552 X	
h	R-6	12'	() /	1	0953 X	
^	F5-6	12'	O - ×	12-12-h X	0554 ×	
6	4-27	12	Cirk	4-27-B	0953 X	
7	8-5-8	17'	 人 	rup x	075-6 X	
X	1-5-9	17'	C /	x 442	D987 X	
20	12/10	12'	C	7 4.27.23		
5	F5-(1	12'	1)	52-42-h 7	0959 +	
PLEASE NOTE: Liability and Dam analyses. All claims including those service. In no event shall Cardinal	Damages, Cardinal's liability and those for negligence and any oth dinal be liable for incidental or cor	client's exclusive remedy for any claim er cause whatspewer shall be deemed isequental damages, including without	arising whether based in contrac waived unless made in writing ar limitation, business interruptions.	whether based in contract or tort, shall be limited to the amount paid by the client for the unless made in writing and received by Cardinal within 30 days after completion of the s nn, business interruptions, loss of use, or loss of profits incurred by client, its subpidiaries	rount paid by the client for the days after completion of the applicable tried by client, its subsidiaries,	
Relinquished By:	out of or related to the performan	Date:		MINING COMMENT	Verbal Result: ☐ Yes ☐ No All Results are emailed. Please pro	□ No
11:11	1	Time:	Manuella	Chalcology	0 .	
Relinquished By:		Date:	Received By:	9	REMARKS:	
Delivered By: (Ci		Temp. °C	Sample Condition	ion CHECKED BY:	Turnaround Time: Standard	ly) S
Sampler - UPS - Bus - Other:		0 0		_	Thermometer ID #113 Correction Factor -0.5°C	-



(5/5) 383-2326	6 FAX (3/3) 333-24/6				ANALYSIS DECLIEST
Company Name: Ensolum, LLC	.,		BILL 10		ANALIGIO NEGOTO
: Beaux Jer	gs	P	P.O. #:		
Address: 601 N. Marienfeld St. STE 400	STE 400	C	Company: Oxy USA, Inc.	C.	
City: Midland	State: TX Zip:	79701	Attn: Wade Dittrich		
Phone #: 210-219-8858	Fax #:	Aı	Address:		
Project #: 0381117046	Project Owner:	C	City:		
Hickory	8008	S	State: Zip:	0	
on: 32.21947	17515	Eddy county, NIM PI	Phone #: 575-390-2828	50	
	Ö		Fax #:		
		MATRIX	PRESERV. SAMPLING		
Lab I.D. Sample I.D.	D. Sample Depth (feet) (G)RAB OR (C)OM	# CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER:	ACID/BASE: ICE / COOL OTHER :	TP # 80	
11-52	12' 0	- ×	_	10001 7	
1	120	- ×	x 4-27-23	1001 ×	
	150	- ×	7 4.ct.c3	1003 t	
	17' C	- ×	x 4.4.4	1004 X X	
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1/2 FS-18	17:		いれかり	1006 x x	
25 75.29	(7)	- ×	いたか >>	1007 × X	
04-53	17.	- ×	4444	1002 x	
19 85-21	121		4.11.4	1008 +	
20 PS 22		- *	x 4-4-8	1009 + +	
and Damages. uding those for r	Cardinal's liability and client's exclusive remedy for any claim regligence and any other cause whatsoever shall be deemed the for incidental or consequental damages, including without	aim arising whether based in contract or t ned waived unless made in writing and re- tout limitation, business interruptions, loss	arising whether based in contract or tort, shall be limited to the amount paid by the client for the walved unless made in writing and received by Cardinal within 20 days after completion of the limitation, business interruptions, loss of use, or loss of profits snourred by client, its subsidiaries.	by the client for the completion of the applicable inch, its subsidiaries.	
Relinquished By:	Pate 27.23	Received By:	11/11/11/11	ılt: ☐ Yes are emailed.	□ No Add'I Phone #: Please provide Email address:
Relinquished By:	Time: S00	Received By:	Edate	BJennings@ensolum.com REMARKS:	
	Time:				2
Delivered By: (Circle One)	Observed Temp. °C	Sample Condition	CHECKED BY:	Turnaround Time: Standard	
Sampler - UPS - Bus - Other:	Corrected Temp, °C		8	Correction Factor -0.5°C	☐ No ☐ No Corrected Temp. °C



10:01					
Company Name:			BILL TO		ANALYSIS REQUEST
Project Manager: Beaux Jennings			P.O. #:		
Address: 601 N. Marienfeld St. STE 400	E 400		Company: Oxy USA, Inc.	nc.	
City: Midland	State: TX	Zip: 79701	Attn: Wade Dittrich		
Phone #: 210-219-8858	Fax #:		Address:		
Project #: 6381117646	Project Owner:	7	City:		
me: Harroun 15	#008		State: Zip:		
m: 32.21947	1515	Eddy county, NA	Phone #: 575-390-2828	50	
Vailee Sm	ikn :50	,	1	4	
FOR LAB USE ONLY			PRESERV. SAM	Les 801	
Lab I.D. Sample I.D.	Sample Depth (feet)	(G)RAB OR (C)O # CONTAINERS GROUNDWATE WASTEWATER SOIL OIL SLUDGE	OTHER: ACID/BASE: ICE / COOL OTHER:	Chloria TPH	
21 85-23	12/	C - X	X 4.17.13	X 019!	
	,21	C - ×	x 4.22.23	1011 +	
23 13-15	17'	C	K. tr. h X	*	
97 FS-76	2	C X	12.12. h V	101	
8 12-27	7	C - ×			
85-18	17'	<u></u>		1015	
87 F2-19	17	O - X	10.4.h		
28 15-30	10	· ×		101	
89 Fri	17.		10 17 17 17 17 17 17 17 17 17 17 17 17 17	_	
PI FACE NOTE: Liability and Damages, Cardinal's liability a	Cardinal's liability and client's exclusive remedy for any claim	any claim arising whether based in contract	act or lort, shall be limited to the amount paid by the client for the	id by the client for the	
PLEASE NOTE: Liability and Damages. Catomais statisty and certain sections in the applicable plants and the called the catoma statisty and certain statistics. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal, business made in terminal be labeled to program of the program of otherwise. 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, 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, 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, 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.	other cause whatsoever shall be of consequental damages, including mance of services hereunder by Co	 deemed waived unless made in writing any ig without limitation, business interruptions, Cardinal, regardless of whether such claim 	use whatsoever shall be deemed walved unless made in writing and received by Cardinal within 30 days after completion of the a ental demages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.		1
Relinquis/Ned By:	Pate: 37	Received By:	Market	All Results are emailed. Please pro	Please provide Email address:
Relinguished By:	Date:	Received By:	Chame H	BJennings@ensolum.com REMARKS:	
	Time:		,		S.
Delivered By: (Circle One)	Observed Temp. "C	S C I	CHECKE (Initia	Turnaround Time: Standard	
Sampler - UPS - Bus - Other:	Corrected Temp. "C	37 Pres 2		Thermometer ID #113 Correction Factor -0.5°C	Nc No Corrected Temp. °C

Laboratories

	10.0/ 000 -0-0		١		- 1		AN	ANALYSIS REQUEST
Company Name:	Ensolum, LLC				DILL	10		
Project Manager:	Beaux Jennings				P.O. #:			
Address: 601 N	601 N. Marienfeld St. STE 400	400			Company: Oxy USA,	SA, Inc.		
City: Midland		State: TX	Zip:	79701	Attn: Wade Dittrich	요		
Phone #: 210-219-8858	9-8858	Fax #:			Address:			
Project #: 63814170 46	引かったりか	Project Owner:			City:			
- 1	Living 15 Hoof				State: Zip:			
Project Location	22 21947-103.	97515 Edd	-	CNN	Phone #: 575-39	575-390-2828	50	_
Project Location: 35.	100 6	160			Fax #:		150	
FOR LAB USE ONLY		-	4	MATRIX	PRESERV.	SAMPLING		
Lab I.D.	Sample I.D.	Sample Depth (feet)	(G)RAB OR (C)OMP	# CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE	OTHER:	Ħ	Chloure	
12	15-33	17	^	<i>y</i>	15	10:	×	
Ser.	FS-34	121	-		Z H Z	17.07 1021		
22	F3-35	121	0		2-h ×	201		
25	15-34	12'	0	~	7.11 >	13 106		
200	F5-37	17	^	- ^		0) 10	× ×	
2/2	St. 53	12	0	- ^	X 4.7+	10	K ,	
37	F5-39	12'	1		X 4.7	4.11.113 1026	<i>X</i>	
Ou	22	25		<i>f</i>	x Y	427.23 1103	, <u> </u>	
#	18-42	171		1 1	1.1	1.17-23 1104	*	
PLEASE NOTE: Liability and analyses. All claims includin service. In no event shall Ca	Damages. Cardinal's liability and g those for negligence and any of rdinal be liable for incidental or co	clients exclusive remedy for an her cause whatsoever shall be a insequental damages, including	y claim eemed without	PLEASE NOTE: Liability and Damages. Cardinal's liability and clients exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the applicable 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 30 days after completion of the splicable analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless interruptions, loss of use, or loss of profits incoursed by fellent, its subsidiaries, service. In no event shall Cardinal be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits house stated reasons or otherwise.	or tort, shall be limited to the ail received by Cardinal within 30 oss of use, or loss of profits into its based upon any of the above	mount paid by the client for:) days after completion of th surred by client, its subsidiar stated reasons or otherwise		
Relinquished By:	seors arrising out of or related to the perform hed By:	Date: 77-33	Rec	Received By:		All Results are BJennings@	ilt: ☐ Yes ☐ No ire emailed. Please prov @ensolum.com	Add'l Phone #: ide Email address:
Relinquished By:		Date:	R	Received By:		REMARKS:		
Delivered By: (Circle One)	ircle One)	Observed Temp. "C	2.0	-0 %	ion CHECKED BY:		d Time: Standard SerID #113	-0-
Sampler - UPS - Bus - Other:	Bus - Other:	Corrected Temp. °C	w	7	0	Correction Factor	er ID #113 Factor -0.5°C	No Corrected Temp. °C

101 East Marland, Hobbs, NM 88240

	(575) 393-2326 FAX (575) 393-2476	AX (575) 393-24	6		ı	ı	ı	ı	1	1	L	1	ı.	4			١	١	IVINV	ANALYSIS REQUEST	TOT
Company Name:	Ensolum, LLC												100	BILL	7.70				1	100	
Project Manager:	Beaux Jennings									P.O.	10	#		1							
Address: 601 N	601 N. Marienfeld St. STE 400	400							4	S	Company:	Dan	×.	. 0	Oxy USA, Inc.						
City: Midland		State: TX	Zip:	7	79701	_				At	Attn:	<	Vac	e	Wade Dittrich				_		
Phone #: 210-219-8858	9-8858	Fax#:								Ac	Address:	SS	1						_		
• •	970-LINIERO	Project Owner:	1							C	City:						>		_		
Project Name:	Harrown 15 HOOS	80								St	State:				Zip:		00				
9	THOIS	215t p	Eddy Country NW	9	+	>	3			2	Phone #:	0	.77	5	575-390-2828		5	m			
Campler Name:	too Com	5	,	-	1					F	Fax #:	77					4	,			
FOR LAB USE DNLY				\dashv	4	اد	MATRIX	핃	7		P		PRESERV.	?	SAMPLING		is	30			
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	Chloud	TOIL			
Proposit	FS-43	121	5	-			×				+	-	>		2-4 h	105	4 1	< ×			
24	1341	ام.	0	-			×			1	+	-	+		4.40	106	4	< ×			
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th	B-46	17.	1	-			1		T		+	+	1		1 5. to. h	801	- 1	4. 7			
54	F5-47	1,1	10	-			X	T	1	+	+	+	5 7		1 10 47.11	107		1			
46	ES-48	12.	-	1			1			+	+	+	7		State	110	1	1			
77	64-49	17.	7	-			1			+	+	-	A		12-12 1	1111	X	4			
84	09-53	3/2	10	-			5 2		+	+	+	-	4 1		n.then	2	7	47			
49	15-51	110	-	-			7		1	+	+		5 7		12-12	1113	+	7			
PLEASE NOTE: Liability and	SO R5-52 (1) PLEASE NOTE: Liability and Damages. Cardinat's liability and client's exclusive remedy for any claim arising whether based in contract or fort, shall be limited to the amount pad by the client for the present an analysis of the properties of the applicable annalyses. All claims including those for negligence and any other cause whatboever shall be deemed vialved unless made in writing and received by Cardinal within 30 days after completion of the applicable annalyses.	E5-52. 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 the client for the 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 the client for the Cardinal within 30 days after completion of the an heighterist and any other cause whatboever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the an exploitance.	y claim deemed	arisin	d unit	ther I	ade 4	Will	ng a	dre	e of s	d by	Card	nal v	to the amount paid to within 30 days after of	by the client for the completion of the subsidiaries	applic	able			
afficies or successors arking Relinquished By:	Relinquished By: Pate: 7 2 3 Received By: Relinquished By: Relinquished By:	nce of services hereunder by Car	Re	Received By:	ed diess	By	other	such	Olai-	St.	ased	log upo	2 90	of th	less of whether such claim is based upon any of the above stated reas	Verbal Result:	are	☐ Yes emailed.	☐ No Please prov	Add'I Phone #:	
Sales	1	CF-18-4			2	1		CO	a	600	The	M	10	100	S.	BJennings@ensol	s@e	nsolum.com	om		
Relinquished By:		Date:	\$	Received By	ved	Ву	8			,	-			4	1	REMARKS					
Delivered By: (Circle One)		Observed Tamp. °C	2cu	150		Sample Condition Cool Intact Tyes Tes	중으로	S T C	Tact ond	es tio	13		0 8	() E	CHECKED BY: (Initials)	Turnaround Time: Thermometer ID #1	d Tin	me:	Standard X	Bacteria (only) Cool Intact	
Sampler - UPS - Bus - Other:		Corrected Temp. "C	W	3		1	Yes Tres	00	7	es S			0	4	,	Correction Factor -0.5°C	8010	-0.5°C		Nc No	Corrected Temp. °C

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST



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

Company Name:	Ensolum LLC			BILL 10		All Contraction
Project Manager:	Beaux Jennings			P.O. #:		
Address: 601 N.	601 N. Marienfeld St. STE 400	00		Company: Oxy USA, I	Inc.	
City: Midland		State: TX	Zip: 79701	Attn: Wade Dittrich		
Phone #: 210-219-8858	-8858	Fax #:		Address:		
	04041118660	Project Owner:		City:		
-	THOIR	0		State: Zip:	0	
3	719117	213	Eddy court Nm	Phone #: 575-390-2828	28	
Linlert Forenom	1 101217)	- 4	Fax #:		
Sampler Name:	IlGiles Smit	CK3 WA	YIGTALL I	ESERV		
FOR LAB USE ONLY					No	
Lab I.D.	Sample I.D.	Sample Depth (feet)	(G)RAB OR (C)O # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL	OTHER:	chloco	
(5	5223	12'	0 - 1			
S.	5w -1	0-12'	C X	12-12-h	1015	
SS	54-2	0-12		12-17-11 Y	1016	
hS	h-m3	51-0	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	1.4.23	1	
2	9-mg	0-12	0 - 1	42-23-4 V	1017 1	
8	5w-7	121-0	C	x 4-27-25	7 8101	
57	8-w2	51-0	C - ^	17-h	1019	
SS	SWA	612	C	x and x	11/6 x	
65	SW10	21.0	×	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1111	
100	11-mg	0-12	C - r	X X X	1118 ×	
PLEASE NOTE: Liability and D analyses. All claims including to service. In no event shall Cardi	Damages. Cardinal's liability and of those for negligence and any other final be liable for incidental or cons	lent's exclusive remedy for any claim cause whatsoever shall be deemed equental damages, including without	ny claim arising whether based in contr deemed waived unless made in writing I without limitation, business interruption	p.ESSE NOTE: Labelly and Damagea. Cardinal's liability and clerifs epiciasive remedy for any claim arising whether based in contract or lon, shall be infliged to the amount part of year of the applicable analyses. All claims including those for negligibne and any other cause whatsoever shall be deemed whether ander in white pad and received by Cardinal within 30 days after completion of the applicable analyses. All claims including those for negligibne and any other cause whatsoever shall be deemed whether ander in white pad received by Cardinal within 30 days after completion of the applicable analyses. In our exercise in the owner and the cardinal pade in the pade of	act or the chem, no non- ter completion of the applicable client, its subsidiaries,	
Relinquished By:	sing out of or related to the performand	Date: 7-23	Received By:	11/11/11	Verbal Result: ☐ Yes ☐ No Add'l Phone #: All Results are emailed. Please provide Email address:	No Add'l Phone #: provide Email address:
1	d	Time: CDO	Hemilall	1 Whatel	BJennings@ensolum.com	
Relinquished By:		Date:	Received By:		REMARKS:	
		Time:				
Delivered By: (Circle One)		Observed Tamp. °C	43 Sample Condition	dition CHECKED BY:		
Sampler - UPS - Bus - Other:		Corrected Temp. °C	No Pres	Yes You	Correction Factor -0.5°C	□ Na □ No Corrected Temp. °C

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST



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

	(0.0) 000 -0-0	2000/200				
Company Name:	Ensolum, LLC			BILL TO		ANALTOIS REGUES!
Project Manager:	Beaux Jennings			P.O. #:		
Address: 601 N	601 N. Marienfeld St. STE 400	.00		Company: Oxy USA, Ir	Inc.	
City: Midland		State: TX	Zip: 79701	Attn: Wade Dittrich		
Phone #: 210-219-8858	9-8858	Fax #:		Address:		
Project #: () 38/11年046	MFOYL	Project Owner:		City:		
Project Name:	SI Spari unalling			State: Zip:)	
= 1	21947 -105		eddy courter NW	Phone #: 575-390-2828		
Sampler Name:	1015	0		Fax #:		
FOR LAB USE ONLY	Photos and		MATRIX	PRESERV. SAMPLING	>	
Lab I.D. #23.2085	Sample I.D.	Sample Depth (feet)	(G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE	OTHER: ACID/BASE: ICE / COOL OTHER:	chlos.des	
6	5W-12	0-12'		_	1119 7 x	
	f.w.					
PLEASE NOTE: Liability and Damages analyses. All claims including those for service. In no event shall Cardinal be lia	Damages. Cardinal's liability and cli those for negligence and any other inal be liable for incidental or conse	Cardinal's liability and client's exclusive remedy for any claim negligence and any other cause whatsoever shall be deemed title for incidental or consequental damages, including without title for incidental or consequental damages.	y claim arising whether based in contra berned waived unless made in writing a without limitation, business interruptions	PLEASE NOTE: Lability and Damages. Cardina's liability and client's exclusive remedy for any claim arising whether based in contract or ton, shall be limited to the amount paid by the client for the applicable 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 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profiles incurred by client, its subsidiaries, service. In no event shall Cardinal be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profiles incurred by client, its subsidiaries, service.	by the client for the completion of the applicable lient, its subsidiaries, seems or otherwise.	
Relinquished By:	ned By:	Date:27-23	Date 7.23 Received By:	Malle	Verbal Result: ☐ Yes ☐ No All Results are emailed. Please prov BJennings@ensolum.com	. ☑-No Add'I Phone #: Please provide Email address: om
Relinquished By:		Date: Time:	Received By:		REMARKS:	
Delivered By: (Circle One)		Temp. "C	Sample Condition Cool Intact Yes Yes	cHECKED BY:	Turnaround Time: Standard Rush Thermometer ID #113	Bacteria (only) S Cool Intact Yes Yes
Sampler - UPS - Bus - Other:		Corrected Temp. "C	3.7 No No No		Correction Factor -0.5°C	No Corrected Temp, °C



May 24, 2023

BEAUX JENNINGS

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: HARROUN 15 # 008

Enclosed are the results of analyses for samples received by the laboratory on 05/23/23 13:00.

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/ga/lab accred certif.html.

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

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

Accreditation applies to public drinking water matrices.

Celey D. Keene

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

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

Received: 05/23/2023 Reported: 05/24/2023

Project Name: HARROUN 15 # 008 Project Number: 03B1417046

Project Location: OXY 32.21947,-103.97515

Sampling Date: 05/23/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: FS - 18 12' (H232619-01)

Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3680	16.0	05/23/2023	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/24/2023	ND	188	93.9	200	0.894	
DRO >C10-C28*	671	10.0	05/24/2023	ND	150	74.8	200	6.15	
EXT DRO >C28-C36	182	10.0	05/24/2023	ND					
Surrogate: 1-Chlorooctane	103 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	111 %	% 49.1-14	8						

Sample ID: FS - 23 12' (H232619-02)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	46400	16.0	05/23/2023	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/23/2023	ND	188	93.9	200	0.894	
DRO >C10-C28*	<10.0	10.0	05/23/2023	ND	150	74.8	200	6.15	
EXT DRO >C28-C36	<10.0	10.0	05/23/2023	ND					
Surrogate: 1-Chlorooctane	84.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	85.8	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

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Analytical Results For:

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

Received: 05/23/2023 Sampling Date: 05/23/2023 Reported: 05/24/2023 Sampling Type: Soil

Project Name: HARROUN 15 # 008 Sampling Condition: Cool & Intact Tamara Oldaker Project Number: 03B1417046 Sample Received By:

Project Location: OXY 32.21947,-103.97515

Sample ID: FS - 45 12' (H232619-03)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1070	16.0	05/23/2023	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/23/2023	ND	188	93.9	200	0.894	
DRO >C10-C28*	<10.0	10.0	05/23/2023	ND	150	74.8	200	6.15	
EXT DRO >C28-C36	<10.0	10.0	05/23/2023	ND					
Surrogate: 1-Chlorooctane	91.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	91.7	% 49.1-14	8						

Sample ID: FS - 53 12' (H232619-04)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	848	16.0	05/23/2023	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/23/2023	ND	188	93.9	200	0.894	
DRO >C10-C28*	<10.0	10.0	05/23/2023	ND	150	74.8	200	6.15	
EXT DRO >C28-C36	<10.0	10.0	05/23/2023	ND					
Surrogate: 1-Chlorooctane	85.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	86.0	% 49.1-14	8						

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Analytical Results For:

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

Received: 05/23/2023

Reported: 05/24/2023
Project Name: HARROUN 15 # 008

Project Number: 03B1417046

Project Location: OXY 32.21947,-103.97515

Sampling Date: 05/23/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SW - 1 0-12' (H232619-05)

Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	05/23/2023	ND	416	104	400	0.00	
Sample ID: SW - 2 0-12	' (H232619-06	6)							
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	05/23/2023	ND	416	104	400	0.00	
Sample ID: SW - 4 0-12	' (H232619-07	")							
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4640	16.0	05/23/2023	ND	416	104	400	0.00	
Sample ID: SW - 6 0-12	' (H232619-08	3)							
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	05/23/2023	ND	416	104	400	0.00	
Sample ID: SW - 7 0-12	' (H232619-09))							
Chloride, SM4500CI-B	-	/ /kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	05/23/2023	ND	416	104	400	0.00	

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Analytical Results For:

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

Received: 05/23/2023 Reported: 05/24/2023

Project Name: HARROUN 15 # 008 Project Number:

Project Location: OXY 32.21947,-103.97515

03B1417046

Sampling Date: 05/23/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker

Sample ID: SW - 8 0-12' (H232619-10)

Chloride, SM4500Cl-B	mg	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	05/23/2023	ND	416	104	400	0.00	
Sample ID: SW - 9 0-12'	(H232619-11	.)							

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	05/23/2023	ND	416	104	400	0.00	

Sample ID: SW - 10 0-12' (H232619-12)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	05/23/2023	ND	416	104	400	0.00	

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Analytical Results For:

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

Received: 05/23/2023 Sampling Date: 05/23/2023

Reported: 05/24/2023 Sampling Type: Soil

Project Name: HARROUN 15 # 008 Sampling Condition: Cool & Intact
Project Number: 03B1417046 Sample Received By: Tamara Oldaker

Project Location: OXY 32.21947,-103.97515

Sample ID: SW - 12 0-12' (H232619-13)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	05/23/2023	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/23/2023	ND	188	93.9	200	0.894	
DRO >C10-C28*	<10.0	10.0	05/23/2023	ND	150	74.8	200	6.15	
EXT DRO >C28-C36	<10.0	10.0	05/23/2023	ND					
Surrogate: 1-Chlorooctane	90.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	90.8	% 49.1-14	'8						

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Notes and Definitions

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

recovery.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

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

*** Insufficient time to reach temperature.

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

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

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240

	(575) 393-2326	FAX (5/5) 393-24/6	6			1	ANA	ANALYSIS REQUEST
Company Name:	Ensolum, LLC				BILL 10			75.00
Project Manager:	Beaux Jennings			P.O. #:	**			
Address: 601 N	601 N. Marienfeld St. STE 400	E 400		Com	Company: Oxy USA,	A, Inc.		
City: Midland		State: TX	Zip: 79701	Attn:	Wade Dittrich			
Phone #: 210-219-8858	9-8858	Fax #:		Address	ess:			_
	9407141850	Project Owner:		City:)	
me:	121	4000		State:	e: Zip:		00	_
	32,21947-	A 515t	dollantram		Phone #: 575-390-2828	-2828		
Campler Name	To sent	WS!	,		*			
FOR LAB USE ONLY	20115	-	· -	MATRIX	PRESERV. S.	SAMPLING	les	
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 :	TIME	TD () 8	
10000	8-27	12'		*	× 5-13-	3001 82	×	
2>	2-13	12'	0	*	x 7-13-13	301 4	× y	
W	245	12	01	X	× 5-13	1010	^	
t	12-53	11	-	1	14	219 22	1	
n	1.35	0-12	0	`	v 20.	20000	. 🗴	
10	5w-2	0-72	0	^	Y Eng	1000 H	×	
1	Swill	0-12	0	^	V 2-13-5	-	*	
×.	50-10	0-12	0	٨	2.21-21	16	- +	
9	54-7	6-12'	- 2	^	x 8-13-13	0	< /	
ō	81715	012	1 2	1	3-150	100000		
PLEASE NOTE: Liability and analyses. All claims including service. In no event shall Ca	PLEASE NOTE: Lability and Damages. Cardinal's liability and cient aralyses. All claims including those for negligence and any officer ca service. In no event shall Cardinal be liable for incidental or consequ	pLEASE NOTE: Lability and Damages. Cardinal's lability and client's exclusive tensols for any daim staining whether based in contract or tort, shall be entered to the entered to the entered by the entered with the entered by the entered by Cardinal within 30 days after completion of the applicable analyses. All daims including those for neighborise and any other cause is whatever what the deserved walved unless made in writing and reserved by Cardinal within 30 days after completion of the applicable analyses. All daims including those for neighborise incurred by defined, its subsidiaries, service. In no exert shall Cardinal be liable for includental damages, including without limitation, business interruptions, loss of use, or loss of positis incurred by defined, as subsidiaries.	any claim arising whethe deemed waived unless g without limitation, busing	r based in contract or fort, small or made in writing and received by (ness interruptions, loss of use, or	is exclusive tennedy for any claim attaing whether based in contract or fort, stata de minato as the encountries of the contract or fort, and the contract or fort of the cont	ys after completion of the	he applicable ries.	
Relinquished By:	By:	Date; 3.23	Received By:		1100	All Results are	emailed. Please prov	Agg1 Phone #: de Email address:
	1	Time:		Will C	Villet	BJennin	BJennings@ensolum.com	
Relinquished By:	7.	Date:	Received By:	y:		KEMAKKO	,	
		Time:					- 1	Bacteria (only) Sample Condition
Delivered By: (Circle One)	ircle One)	Observed Temp. °C	4.5	Sample Condition Cool Intact	(Initials)			-
Sampler - UPS - Bus - Other:	Bus - Other:	Corrected Tamp. "C	3.9	No No	A.O.	Correguen Factor	Factor -0.5°C	□ No □ No Corrected Temp. °C

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

CARDINAL Laboratories 101 East Marland, Hobbs, NM 882

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

(0/0) 333-234	0/0) 323-5350 LWV (0/0) 200-5-1/0		ANALYSIS BEOLIEST
Company Name: Ensolum LLC		BILL 10	AMACION
-		P.O. #:	
Address: 601 N. Marienfeld St. STE 400	E 400	Company: Oxy USA, Inc.	Ģ
City: Midland	State: TX Zip: 79701	Attn: Wade Dittrich	
Phone #: 210-219-8858	Fax#:	Address:	
Project #: 033 1417 46	Project Owner:	City:	
me: Harrown 15	H008	State: Zip:	
1	702,97515 Eddy county Nin	Phone #: 575-390-2828	
100 541		Fax #:	50
	MATRIX	PRESERV. SAMPLING	54
Lab I.D. Sample I.D.	(feet) Sample Depth (G)RAB OR (C)OMF # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL	SLUDGE OTHER: ACID/BASE: ICE / COOL OTHER:	TPH 80
	0-P' C X	8-61-3 ×	034 +
2000	D-10 C1 K	4 3-23-0	T T T
J. J. W.			1628
27308			
¥			
PLEASE NOTE: Liability and Daminges. Cardinal's liability a analyses. All claims including those for negligence and any sension in no most thail Cardinal be failed for incidental or	PLASE NOTE: Lability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or lort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed walved unless made in writing and received by Cardinal within 30 days after completion of the applicable in no more shall be cardinal be lightle for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries,	tract or tort, shall be limited to the amount pac g and received by Cardinal within 30 days after ons, loss of use, or loss of profils incurred by o	by the client for the roughle the completion of the applicable femiliary to applicable femiliary to the applicable femiliary to the completion of the applicable femiliary to the applicab
Relinquished By:	Date: 33-33 Received By:	ceived,By:	Verbal Result: ☐ Yes ☐ No Add'I Phone #: All Results are emailed. Please provide Email address: BJennings@ensolum.com
Relinquished By:	Date: Received By:	Je Manney &	
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Corrected Temp. °C 3.9 Sample Condition. Cool Intagt Corrected Temp. °C 3.9 Yes 2 Yes	ryes (Initials)	Turnaround Time: \$\int_{0}^{\partial \text{N}} \sqrt{Rush} \sqrt{Standard} \sqrt{\text{Bacteria (only) Sample Condition}} \text{Cool Intact} \text{Observed Temp. "C} \text{Thermometer ID #113} \sqrt{\text{Pes}} \sqrt{\text{Nc} \text



June 16, 2023

BEAUX JENNINGS

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: HARROUN 15 # 008

Enclosed are the results of analyses for samples received by the laboratory on 06/14/23 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/ga/lab accred certif.html.

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

Method EPA 552.2 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)

Celey D. Keene

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

Reported:

16-Jun-23 11:16



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

Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705 Project: HARROUN 15 # 008
Project Number: 03B1417046

Project Manager: BEAUX JENNINGS

Fax To:

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
FS - 18 16'	H233061-01	Soil	13-Jun-23 11:46	14-Jun-23 14:00
FS - 23 16'	H233061-02	Soil	13-Jun-23 11:48	14-Jun-23 14:00
SW - 4 0-12'	H233061-03	Soil	13-Jun-23 13:50	14-Jun-23 14:00

06/16/23 - Client added analysis (see COC). This is the revised report and will replace the one sent on 06/15/23.

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Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705 Project: HARROUN 15 # 008
Project Number: 03B1417046

Project Manager: BEAUX JENNINGS

Fax To:

Reported: 16-Jun-23 11:16

FS - 18 16' H233061-01 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Labora	tories					
Inorganic Compounds										
Chloride	1920		16.0	mg/kg	4	3061428	AC	14-Jun-23	4500-Cl-B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	3061533	MS	15-Jun-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3061533	MS	15-Jun-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3061533	MS	15-Jun-23	8015B	
Surrogate: 1-Chlorooctane			82.9 %	48.2	-134	3061533	MS	15-Jun-23	8015B	
Surrogate: 1-Chlorooctadecane			80.9 %	49.1	-148	3061533	MS	15-Jun-23	8015B	

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Reported:

16-Jun-23 11:16



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Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705 Project: HARROUN 15 # 008

Project Number: 03B1417046

Project Manager: BEAUX JENNINGS

Fax To:

FS - 23 16' H233061-02 (Soil)

Analyte	Result	porting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
		Cardinal I	aborato	ries					
Inorganic Compounds									
Chloride	3520	16.0	mg/kg	4	3061552	AC	15-Jun-23	4500-Cl-B	
Petroleum Hydrocarbons by	GC FID								
GRO C6-C10*	<10.0	10.0	mg/kg	1	3061424	MS	15-Jun-23	8015B	
DRO >C10-C28*	<10.0	10.0	mg/kg	1	3061424	MS	15-Jun-23	8015B	
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	3061424	MS	15-Jun-23	8015B	
Surrogate: 1-Chlorooctane		92.4 %	48.2-1	34	3061424	MS	15-Jun-23	8015B	
Surrogate: 1-Chlorooctadecane		98.9 %	49.1-1	48	3061424	MS	15-Jun-23	8015B	

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

14-Jun-23

Analytical Results For:

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

Chloride

Project: HARROUN 15 # 008 Project Number: 03B1417046

Project Manager: BEAUX JENNINGS

3061428

AC

Fax To:

Reported: 16-Jun-23 11:16

4500-Cl-B

SW - 4 0-12' H233061-03 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Inorganic Compounds			Cardina	al Laborat	tories					

mg/kg

16.0

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Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705 Project: HARROUN 15 # 008 Project Number: 03B1417046

Project Manager: BEAUX JENNINGS

Fax To:

Reported: 16-Jun-23 11:16

Inorganic Compounds - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 3061428 - 1:4 DI Water				_					_	
Blank (3061428-BLK1)				Prepared &	Analyzed:	14-Jun-23				
Chloride	ND	16.0	mg/kg			·			·	·
LCS (3061428-BS1)				Prepared &	Analyzed:	14-Jun-23				
Chloride	416	16.0	mg/kg	400		104	80-120			·
LCS Dup (3061428-BSD1)				Prepared &	Analyzed:	14-Jun-23				
Chloride	448	16.0	mg/kg	400		112	80-120	7.41	20	
Batch 3061552 - 1:4 DI Water										
Blank (3061552-BLK1)				Prepared &	Analyzed:	15-Jun-23				
Chloride	ND	16.0	mg/kg							
LCS (3061552-BS1)				Prepared &	Analyzed:	15-Jun-23				
Chloride	416	16.0	mg/kg	400		104	80-120			
LCS Dup (3061552-BSD1)				Prepared &	Analyzed:	15-Jun-23				
Chloride	432	16.0	mg/kg	400		108	80-120	3.77	20	

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%REC

Limits

48.2-134

77.6-123

5.43

18.5

RPD

Analytical Results For:

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

Analyte

Surrogate: 1-Chlorooctane

Total TPH C6-C28

Project: HARROUN 15 # 008 Project Number: 03B1417046

Spike

Level

49.6

400

Source

Result

%REC

78.0

96.3

Project Manager: BEAUX JENNINGS

Fax To:

Reported: 16-Jun-23 11:16

RPD

Limit

Notes

Petroleum Hydrocarbons by GC FID - Quality Control

Cardinal Laboratories

Units

Reporting

Limit

Result

38.7

Batch 3061424 - General Prep - Organics			
Blank (3061424-BLK1)			Prepared & Analyzed: 14-Jun-23
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

mg/kg

Surrogate: 1-Chlorooctadecane	42.2		mg/kg	50.0	84.5	49.1-148			
LCS (3061424-BS1)				Prepared: 14-Ju	ın-23 Analyzed: 1	5-Jun-23			
GRO C6-C10	200	10.0	mg/kg	200	100	78.5-124			
DRO >C10-C28	206	10.0	mg/kg	200	103	72.5-126			
Total TPH C6-C28	406	10.0	mg/kg	400	102	77.6-123			
Surrogate: 1-Chlorooctane	54.3		mg/kg	49.6	109	48.2-134			
Surrogate: 1-Chlorooctadecane	55.5		mg/kg	50.0	111	49.1-148			
LCS Dup (3061424-BSD1)				Prepared: 14-Ju	ın-23 Analyzed: 1	5-Jun-23			
GRO C6-C10	189	10.0	mg/kg	200	94.7	78.5-124	5.53	17.7	
DRO >C10-C28	196	10.0	mg/kg	200	97.8	72.5-126	5.33	21	

mg/kg

Surrogate: 1-Chlorooctane	51.6	mg/kg	49.6	104	48.2-134
Surrogate: 1-Chlorooctadecane	52.4	mg/kg	50.0	105	49.1-148

10.0

385

Batch 3061533 - General Prep - Org	rganics
------------------------------------	---------

Blank (3061533-BLK1)				Prepared & Anal	lyzed: 15-Jun-23		
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	47.7		mg/kg	49.6	96.3	48.2-134	
Surrogate: 1-Chlorooctadecane	46.0		mg/kg	50.0	92.1	49.1-148	

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%REC

Limits

RPD

Analytical Results For:

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

Analyte

Project: HARROUN 15 # 008
Project Number: 03B1417046

Project Manager: BEAUX JENNINGS

Spike

Level

Source

Result

%REC

Fax To:

Reported: 16-Jun-23 11:16

RPD

Limit

Notes

Petroleum Hydrocarbons by GC FID - Quality Control

Cardinal Laboratories

Units

Reporting

Limit

Result

LCS (3061533-BS1)				Prepared & Anal	yzed: 15-Jun-23			
GRO C6-C10	226	10.0	mg/kg	200	113	78.5-124		
DRO >C10-C28	208	10.0	mg/kg	200	104	72.5-126		
Total TPH C6-C28	434	10.0	mg/kg	400	109	77.6-123		
Surrogate: 1-Chlorooctane	60.4		mg/kg	49.6	122	48.2-134		
Surrogate: 1-Chlorooctadecane	61.8		mg/kg	50.0	124	49.1-148		
LCS Dup (3061533-BSD1)				Prepared & Anal	yzed: 15-Jun-23			
GRO C6-C10	215	10.0	mg/kg	200	108	78.5-124	4.96	17.7
DRO >C10-C28	202	10.0	mg/kg	200	101	72.5-126	3.03	21
Total TPH C6-C28	417	10.0	mg/kg	400	104	77.6-123	4.03	18.5
Surrogate: 1-Chlorooctane	54.5		mg/kg	49.6	110	48.2-134		
Surrogate: 1-Chlorooctadecane	55.7		mg/kg	50.0	111	49.1-148		

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Notes and Definitions

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

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

*** Insufficient time to reach temperature.

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

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

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

CARDINAL Laboratories 101 East Marland, Hobbs, NM 882

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

Company Name:				the Personal Property lies and					
	Ensolum, LLC			BILL TO	•	ANA	ANALYSIS REQ	REQUEST	- 1
Project Manager: Be	Beaux Jennings			P.O. #:		0			1
Address: 601 N. Ma	601 N. Marienfeld St. STE 400	100		Company: Oxy USA,	, Inc.	7			
City: Midland		State: TX	Zip: 79701	8		13	_		
Phone #: 210-219-8858	58	Fax #:		Address:		15/			_
Project #: 038/11	17046	Project Owner:	n	City:	>	115		_	_
Project Name: /terroun	oun 15 +	8001		State: Zip:	60	6	_		
Project Location: 32	- th	103.97 7515	5	# 5		24			
Sampler Name: //	ailee Sm	ith				C			
FOR LAB USE ONLY			MATRIX	SERV.	SAMPLING	7			
Lab I.D. Sa	Sample I.D.	Sample Depth (feet)	G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER NASTEWATER SOIL DIL SLUDGE	OTHER: CID/BASE: CE / COOL OTHER:	Chloria	addid addid			
<u>u</u> –	R-18	16'		- X	ily ×	1			
S	W U	6-12	C X	7 6-13-13	X 0261	7			
		MEC							
		53							
PLEASE NOTE: Lability and Damages. Cardinal's lability and client's acclusive remody for any claim arising whether based in contract or fort, shall be limited to the amount paid by the client for the 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 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation business thermotors loss of the analysis of the applicable.	Cardinal's liability and client regligence and any other can ble for incidental or consequence.	's exclusive remedy for any use whatsoever shall be do ental damages, including v	y claim arising whether based in contract or tort, shall be limited to the american waived unless made in writing and received by Cardinal within 30 without limitation business interruptions less of these of these forms.	or fort, shall be limited to the amount pa received by Cardinal within 30 days aft	unt paid by the olient for the	-			
Relinquished By:	, , , , , , , , , , , , , , , , , , ,	Date: 14-23	Received By:	such claim is based upon any of the above stated ru	Verbal Result: Yes	□ No Add'I	Add'l Phone #:		
Relinquiched By:	\ <i>\</i>	Time: 400	"JONNOH!	Milledy	All Results are emailed. Please provide Email address: BJennings@ensolum.com	lease provide Em	ail address:		
windered pl		Time:	Received By:		REMARKS:				
Delivered By: (Circle One)		Observed Temp, °C	// Sample Condition	CHECKED BY:	Turnaround Time: Uhv S	Standard	y) s	ample Condition	
Sampler - UPS - Bus - Other:		Corrected Tamp. °C		1		<u>k</u>	Cool Intact (Observed Temp. °C	

Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Beaux Jennings Ensolum 601 N. Marienfeld St. Suite 400

Midland, Texas 79701

Generated 11/27/2023 1:55:40 PM Revision 1

JOB DESCRIPTION

HARROUN #15 Eddy County NM

JOB NUMBER

890-5593-1

Eurofins Carlsbad 1089 N Canal St. Carlsbad NM 88220



Eurofins Carlsbad

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Authorization

Generated 11/27/2023 1:55:40 PM Revision 1

Authorized for release by Jessica Kramer, Project Manager <u>Jessica.Kramer@et.eurofinsus.com</u> (432)704-5440 2

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L

Client: Ensolum

Project/Site: HARROUN #15

Laboratory Job ID: 890-5593-1

SDG: Eddy County NM

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Definitions/Glossary

Client: Ensolum Job ID: 890-5593-1 Project/Site: HARROUN #15

SDG: Eddy County NM

Qualifiers

HPLC/IC

Qualifier **Qualifier Description**

Indicates the analyte was analyzed for but not detected.

General Chemistry

Qualifier **Qualifier Description**

Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation These commonly used abbreviations may or may not be present in this report.

Listed under the "D" column to designate that the result is reported on a dry weight basis

%R Percent Recovery CFL Contains Free Liquid CFU Colony Forming Unit CNF Contains No Free Liquid

DER Duplicate Error Ratio (normalized absolute difference)

Dil Fac **Dilution Factor**

DL Detection Limit (DoD/DOE)

DL, RA, RE, IN Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample

DLC Decision Level Concentration (Radiochemistry)

EDL Estimated Detection Limit (Dioxin) LOD Limit of Detection (DoD/DOE) LOQ Limit of Quantitation (DoD/DOE)

MCL EPA recommended "Maximum Contaminant Level" MDA Minimum Detectable Activity (Radiochemistry) MDC Minimum Detectable Concentration (Radiochemistry)

MDL Method Detection Limit ML Minimum Level (Dioxin) MPN Most Probable Number MQL Method Quantitation Limit

NC Not Calculated

ND Not Detected at the reporting limit (or MDL or EDL if shown)

Negative / Absent NEG POS Positive / Present

PQL Practical Quantitation Limit

PRES Presumptive QC **Quality Control**

Relative Error Ratio (Radiochemistry) RER

RL Reporting Limit or Requested Limit (Radiochemistry)

RPD Relative Percent Difference, a measure of the relative difference between two points

TEF Toxicity Equivalent Factor (Dioxin) Toxicity Equivalent Quotient (Dioxin) TEQ

TNTC Too Numerous To Count

Eurofins Carlsbad

Case Narrative

Client: Ensolum

Project/Site: HARROUN #15

Job ID: 890-5593-1

SDG: Eddy County NM

Job ID: 890-5593-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative 890-5593-1

REVISION

The report being provided is a revision of the original report sent on 11/17/2023. The report (revision 1) is being revised due to Per client email, requesting sample ID correction and add updated COC.

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method. Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt

The samples were received on 11/8/2023 3:10 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 6.6°C

HPLC/IC

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

General Chemistry

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Eurofins Carlsbad 11/27/2023 (Rev. 1)

Client Sample Results

Client: Ensolum Job ID: 890-5593-1
Project/Site: HARROUN #15 SDG: Eddy County NM

Client Sample ID: BMW-1

Lab Sample ID: 890-5593-1

Date Collected: 11/08/23 12:10

Matrix: Water

Date Received: 11/08/23 15:10

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5510		50.0	34.6	mg/L			11/14/23 16:24	100
General Chemistry									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	18700		100	100	mg/L			11/15/23 20:18	1

Client Sample ID: BMW-2

Date Collected: 11/08/23 12:50

Lab Sample ID: 890-5593-2

Matrix: Water

Date Received: 11/08/23 15:10

Method: EPA 300.0 - Anions, Id	on Chromatography							
Analyte	Result Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6160	50.0	34.6	mg/L			11/14/23 16:35	100

General Chemistry									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	16300		100	100	mg/L			11/15/23 20:18	1

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I.

Client Sample ID: Method Blank

Client Sample ID: Lab Control Sample

Client Sample ID: Lab Control Sample Dup

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Type: Total/NA

Prep Type: Total/NA

Prep Type: Total/NA

Prep Type: Total/NA

Prep Type: Total/NA

Prep Type: Total/NA

Client Sample ID: Matrix Spike

Client Sample ID: Method Blank

Client Sample ID: Lab Control Sample

Client: Ensolum

Job ID: 890-5593-1 Project/Site: HARROUN #15 SDG: Eddy County NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-66985/3

Matrix: Water

Analysis Batch: 66985

MB MB

Result Qualifier RL **MDL** Unit Analyzed Dil Fac Analyte D Prepared 0.500 11/14/23 15:21 Chloride <0.346 U 0.346 mg/L

Lab Sample ID: LCS 880-66985/4

Matrix: Water

Analysis Batch: 66985

Spike LCS LCS %Rec Added Result Qualifier Unit D %Rec Limits Analyte 25.0 90 - 110 Chloride 24.86 mg/L 99

Lab Sample ID: LCSD 880-66985/5

Matrix: Water

Analysis Batch: 66985

Spike LCSD LCSD %Rec **RPD** Added Result Qualifier Limits **RPD** Analyte Unit %Rec Limit Chloride 25.0 24.88 100 90 - 110 20 mg/L

Lab Sample ID: 880-35729-A-1 MS

Matrix: Water

Analysis Batch: 66985

Spike MS MS %Rec Sample Sample Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits Chloride 494.3 249 250 mg/L 98 90 - 110

Lab Sample ID: 880-35729-A-1 MSD

Matrix: Water

Analysis Batch: 66985

MSD MSD RPD Sample Sample Spike %Rec Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits **RPD** Limit Chloride 249 250 493.7 98 mg/L 90 - 110 20

Method: SM 2540C - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 860-131138/1

Matrix: Water

Analysis Batch: 131138

MR MR Result Qualifier **MDL** Unit Analyte RLPrepared Analyzed Dil Fac 5.00 mg/L <5.00 U 5.00 11/15/23 09:58 **Total Dissolved Solids**

Lab Sample ID: LCS 860-131138/2

Matrix: Water

Analysis Batch: 131138

LCS LCS Spike %Rec Analyte Added Result Qualifier Unit %Rec Limits Total Dissolved Solids 1000 1001 mg/L 100 80 - 120

Eurofins Carlsbad

QC Sample Results

Client: Ensolum Job ID: 890-5593-1 Project/Site: HARROUN #15 SDG: Eddy County NM

Method: SM 2540C - Solids, Total Dissolved (TDS) (Continued)

Lab Sample ID: LCSD 860-131138/3 **Client Sample ID: Lab Control Sample Dup Matrix: Water** Prep Type: Total/NA **Analysis Batch: 131138**

LCSD LCSD **RPD** Spike %Rec Added Result Qualifier Analyte Unit D %Rec Limits RPD Limit Total Dissolved Solids 1000 1004 mg/L 100 80 - 120 0

Lab Sample ID: 830-4467-C-2 DU **Client Sample ID: Duplicate**

Matrix: Water Prep Type: Total/NA

Analysis Batch: 131138 RPD Sample Sample DU DU

Analyte Result Qualifier Result Qualifier Unit D RPD Limit **Total Dissolved Solids** 1700 1704 0.2 10 mg/L

Eurofins Carlsbad

QC Association Summary

Client: Ensolum Job ID: 890-5593-1
Project/Site: HARROUN #15 SDG: Eddy County NM

HPLC/IC

Analysis Batch: 66985

Lab Sample ID 890-5593-1	Client Sample ID BMW-1	Prep Type Total/NA	Matrix Water	Method 300.0	Prep Batch
890-5593-2	BMW-2	Total/NA	Water	300.0	
MB 880-66985/3	Method Blank	Total/NA	Water	300.0	
LCS 880-66985/4	Lab Control Sample	Total/NA	Water	300.0	
LCSD 880-66985/5	Lab Control Sample Dup	Total/NA	Water	300.0	
880-35729-A-1 MS	Matrix Spike	Total/NA	Water	300.0	
880-35729-A-1 MSD	Matrix Spike Duplicate	Total/NA	Water	300.0	

General Chemistry

Analysis Batch: 131138

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5593-1	BMW-1	Total/NA	Water	SM 2540C	
890-5593-2	BMW-2	Total/NA	Water	SM 2540C	
MB 860-131138/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 860-131138/2	Lab Control Sample	Total/NA	Water	SM 2540C	
LCSD 860-131138/3	Lab Control Sample Dup	Total/NA	Water	SM 2540C	
830-4467-C-2 DU	Duplicate	Total/NA	Water	SM 2540C	

Eurofins Carlsbad

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Lab Chronicle

Client: Ensolum Job ID: 890-5593-1 Project/Site: HARROUN #15 SDG: Eddy County NM

Client Sample ID: BMW-1

Lab Sample ID: 890-5593-1

Date Collected: 11/08/23 12:10 Date Received: 11/08/23 15:10

Matrix: Water

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		100	10 mL	10 mL	66985	11/14/23 16:24	СН	EET MID
Total/NA	Analysis	SM 2540C		1	10 mL	200 mL	131138	11/15/23 20:18	SA	EET HOU

Client Sample ID: BMW-2 Lab Sample ID: 890-5593-2 Date Collected: 11/08/23 12:50

Matrix: Water

Date Received: 11/08/23 15:10

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0	·	100	10 mL	10 mL	66985	11/14/23 16:35	СН	EET MID
Total/NA	Analysis	SM 2540C		1	10 mL	200 mL	131138	11/15/23 20:18	SA	EET HOU

Laboratory References:

EET HOU = Eurofins Houston, 4145 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200 EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Accreditation/Certification Summary

Client: Ensolum Job ID: 890-5593-1
Project/Site: HARROUN #15 SDG: Eddy County NM

Laboratory: Eurofins Houston

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Arkansas DEQ	State	88-00759	08-03-24
Florida	NELAP	E871002	06-30-24
Louisiana (All)	NELAP	03054	06-30-24
Oklahoma	NELAP	1306	08-31-24
Oklahoma	State	2023-139	08-31-24
Texas	NELAP	T104704215-23-53	06-30-24
Texas	TCEQ Water Supply	T104704215	12-28-25
USDA	US Federal Programs	525-23-79-79507	03-20-26

Laboratory: Eurofins Midland

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-23-26	06-30-24

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Method Summary

Client: Ensolum

Project/Site: HARROUN #15

Job ID: 890-5593-1

SDG: Eddy County NM

Protocol	Laboratory
EDA	

Method	Method Description	Protocol	Laboratory
300.0	Anions, Ion Chromatography	EPA	EET MID
SM 2540C	Solids, Total Dissolved (TDS)	SM	EET HOU

Protocol References:

EPA = US Environmental Protection Agency

SM = "Standard Methods For The Examination Of Water And Wastewater"

Laboratory References:

EET HOU = Eurofins Houston, 4145 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200 EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Eurofins Carlsbad

Sample Summary

Client: Ensolum

Project/Site: HARROUN #15

Job ID: 890-5593-1

SDG: Eddy County NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
890-5593-1	BMW-1	Water	11/08/23 12:10	11/08/23 15:10
890-5593-2	BMW-2	Water	11/08/23 12:50	11/08/23 15:10

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Content Name Cont
Project Manager Bequire Foundation Fo
Registration Regi
Beaux Tana S Bill to: (Il different) E scalus I Land S Company Name Co
Beaux Tana A S Bill to Relieventh Hobbs, (MISS) 993-2930, Cardad, (MISS) 993-2930 Beaux Tana A S Bill to Relieventh Hobbs, (MISS) 993-2930, Cardad, (MISS) 993-2930 Cargany Name Philip A AND TX 74 701 Chy, Sales 2h Hazza Liu A W D Address Philip A AND TX 74 701 Chy, Sales 2h Hazza Liu A W D Name Philip A AND TX 74 701 Chy, Sales 2h Hazza Liu A W M D Christian Charles Reporting: I AND A Sales A Sale Be Cd Ca Cr Ca Cu Pb Mn Mo NI Se Ag TI U and Metal St to be analyzed TID 2008 16002c BRCRA 13PPM Texas 11 A Sh As Ba Be Cd Ca Cr Ca Cu Pb Mn Mo NI Se Ag TI U
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Beaux. Transport State of Projection (Marian). Beaux. Transport State of Projection (Marian). Engolum LLC Company Name: COL Mariant LLC Address:
Hobbs, NA (575) 992-7550, Carlsbad, NA (575) 988-3199 Beaux Tean (55) Bill to: (# different) Ensables LC Company Name:
Hobbs, NAN (575) 952-7550, Carlsbad, NAN (575) 968-3199 Bodies Tears (155) Bill to: (# different)
Hobbs, NM (575) 992-7550, Carlstad, NM (575) 988-3199

Page 14 of 17 Page 14 of 17

11/17/2023 11/27/2023 (Rev. 1)

Login Sample Receipt Checklist

Client: Ensolum Job Number: 890-5593-1 SDG Number: Eddy County NM

List Source: Eurofins Carlsbad

Login Number: 5593 List Number: 1

Creator: Bruns, Shannon

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	N/A	Refer to Job Narrative for details.
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

Eurofins Carlsbad

Login Sample Receipt Checklist

Client: Ensolum Job Number: 890-5593-1 SDG Number: Eddy County NM

Login Number: 5593 **List Source: Eurofins Houston** List Number: 3

List Creation: 11/10/23 05:34 PM

Creator:	Torrez,	Lisandra

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	

Login Sample Receipt Checklist

Client: Ensolum

Job Number: 890-5593-1

SDG Number: Eddy County NM

List Source: Eurofins Midland List Creation: 11/10/23 10:59 AM

Login Number: 5593 List Number: 2

Creator: Rodriguez, Leticia

Sample Preservation Verified.

MS/MSDs

<6mm (1/4").

There is sufficient vol. for all requested analyses, incl. any requested

Containers requiring zero headspace have no headspace or bubble is

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	

N/A

True

N/A

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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	NMAP1826380135
District RP	2RP-4974
Facility ID	
Application ID	pMAP1826379886

Release Notification

Responsible Party

Responsible Party: Oxy USA Inc.				OGRI	D: 16696
Contact Name: Wade Dittrich				Conta	ct Telephone: 575-390-2828
Contact emai	il: wade_ditt	rich@oxy.com		Incide	nt # NMAP1826380135
Contact mail	ing address:	PO Box 4294, Ho	ouston, TX 77210)	
			Location	ı of Release	Source
atitude 32.2	1947				le -103.97515
			(NAD 83 in d	ecimal degrees to 5 a	ecimal places)
Site Name: H	arroun 15 #0	008		Site Ty	pe: Flowline
Date Release	Discovered:	08/29/2018		API# (ij	applicable)
Unit Letter	Section	Township	Range	C	ounty
F	15	24S	29E	Eddy	
urface Owner	C State	Federal T	ribal Drivata	(Nomes Over US)	, Inc
urrace Owner			-		
			Nature an	d Volume o	f Release
	Materia	l(s) Released (Select al	I that apply and attac	h calculations or spe	eific justification for the volumes provided below)
Crude Oil		Volume Release	d (bbls): 10		Volume Recovered (bbls): 5
Produced	Water	Volume Release	d (bbls): 20		Volume Recovered (bbls): 15
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?			chloride in the	⊠ Yes □ No
Condensa Condensa	te	Volume Release			Volume Recovered (bbls)
Natural Gas Volume Released (Mcf)			Volume Recovered (Mcf)		
Other (describe) Volume/Weight Released (provide units)		de units)	Volume/Weight Recovered (provide units)		
Cause of Rele	ease: Compr	omised 3" flowlin	e.		

Released to Imaging: 1/26/2024 3:48:11 PM

Oil Conservation Division

Page 2

Incident ID	NMAP1826380135
District RP	2RP-4974
Facility ID	
Application ID	pMAP1826379886

	If YES, for what reason(s) does the responsible party consider this a major release? Release is greater than 25 barrels. otice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? Oxy via email to Mike Bratcher and Maria Pruett of the NMOCD on 09/04/2018 at 0700.		
	Initial Response		
The responsible	party must undertake the following actions immediately unless they could create a safety hazard that would result in injury		
☑ The impacted area ha☑ Released materials ha☑ All free liquids and re	ease has been stopped. Is been secured to protect human health and the environment. Inve been contained via the use of berms or dikes, absorbent pads, or other containment devices. Inve been removed and managed appropriately. Indicate the stopped of the sto		
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 Dit	Title: Environmental Advisor		
Signature:	Date: <u>12/7/23</u>		
email: wade_dittrich@o	<u>xy.com</u> Telephone: <u>575-390-2828</u>		
-OCD Only			
1	Date:		



State of New Mexico Oil Conservation Division

Incident ID	NMAP1826380135
District RP	2RP-4974
Facility ID	
Application ID	pMAP1826379886

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?	(ft bgs)	
Did this release impact groundwater or surface water?	⊠ Yes □ No	
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ☒ 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)?	☐ Yes ☒ No	
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ☒ 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?	☐ Yes ⊠ No	
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ⊠ No	
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ☒ No	
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ⊠ No	
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ⊠ No	
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ⊠ No	
Are the lateral extents of the release within a 100-year floodplain?	⊠ Yes □ No	
Did the release impact areas not on an exploration, development, production, or storage site?	⊠ Yes □ 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.

<u>Ch</u>	Characterization Report Checklist: Each of the following items must be included in the report.				
\boxtimes	Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.				
\bowtie	Field data				
\boxtimes	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				
X	Topographic/Aerial maps				
<u>i</u>	Laboratory data including chain of custody				

the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan methods, anticipated timelines for beginning and completing the remediation. The closure criteria for a release are contained in Table 1 of 9.15.29.12 NMAC, however, use of the table is modified by site- and release-specific parameters.

Received by OCD: 12/8/2023 11:50:10 AM

Page 259 of 268

Form C-141

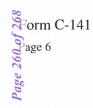
Page 4

State of New Mexico
Oil Conservation Division

Incident ID	NMAP1826380135
District RP	2RP-4974
Facility ID	
Application ID	pMAP1826379886

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 Advisor
Signature: Limbs Little	Date: 17-7-23
email: wade dittrich@oxy.com	Telephone: <u>575-390-2828</u>
OCD Only	
Received by:	Date:



State of New Mexico Oil Conservation Division

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

Incident ID	NMAP1826380135
District RP	2RP-4974
Facility ID	
Application ID	pMAP1826379886

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.

Photographs of the remediated site prior to backfill or photos o must be notified 2 days prior to liner inspection)	f the liner integrity if applicable (Note: appropriate OCD District office
☐ 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 and regulations all operators are required to report and/or file certain may endanger public health or the environment. The acceptance of a should their operations have failed to adequately investigate and reme human health or the environment. In addition, OCD acceptance of a compliance with any other federal, state, or local laws and/or regulative restore, reclaim, and re-vegetate the impacted surface area to the concaccordance with 19.15.29.13 NMAC including notification to the OC Printed Name: Wade/Dittrich Signature: wade dittrich@oxy.com	cediate contamination that pose a threat to groundwater, surface water, C-141 report does not relieve the operator of responsibility for ons. The responsible party acknowledges they must substantially ditions that existed prior to the release or their final land use in
OCD Only	
Received by:	Date:
Closure approval by the OCD does not relieve the responsible party of emediate contamination that poses a threat to groundwater, surface was arty of compliance with any other federal, state, or local laws and/or	f liability should their operations have failed to adequately investigate and ater, human health, or the environment nor does not relieve the responsible regulations.
Closure Approved by: <i>Michael Buchanan</i>	Date:
Printed Name: Mike Buchanan	Title: Environmental Specialist
Ý	

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

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

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

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

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

QUESTIONS

Action 292731

QUESTIONS

Operator:	OGRID:
OXY USA INC	16696
P.O. Box 4294	Action Number:
Houston, TX 772104294	292731
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nMAP1826380135
Incident Name	NMAP1826380135 HARROUN 15 #008 @ 30-015-30253
Incident Type	Oil Release
Incident Status	Remediation Closure Report Received
Incident Well	[30-015-30253] HARROUN 15 #008

Location of Release Source	
Please answer all the questions in this group.	
Site Name	HARROUN 15 #008
Date Release Discovered	08/29/2018
Surface Owner	Private

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

lature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.	
Crude Oil Released (bbls) Details	Cause: Equipment Failure Flow Line - Production Crude Oil Released: 10 BBL Recovered: 5 BBL Lost: 5 BBL.
Produced Water Released (bbls) Details	Cause: Equipment Failure Flow Line - Production Produced Water Released: 20 BBL Recovered: 15 BBL Lost: 5 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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

<u>District IV</u> 1220 S. St Francis Dr., Santa Fe, NM 87505

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

QUESTIONS, Page 2

Action 292731

Phone:(505) 476-3470 Fax:(505) 476-3462	
QUEST	1ONS (continued)
Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696 Action Number: 292731 Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)
QUESTIONS	[O TT] Trombalation Globale Request O TT (O TT T Globalo)
Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.	e. gas only) are to be submitted on the C-129 form.
Initial Response The responsible party must undertake the following actions immediately unless they could create a	safety hazard that would result in injury.
The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	Not answered.
	ilation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative o eted or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of evaluation in the follow-up C-141 submission.
to report and/or file certain release notifications and perform corrective actions for rele the OCD does not relieve the operator of liability should their operations have failed to	knowledge and understand that pursuant to OCD rules and regulations all operators are required asses which may endanger public health or the environment. The acceptance of a C-141 report by adequately investigate and remediate contamination that pose a threat to groundwater, surface rt does not relieve the operator of responsibility for compliance with any other federal, state, or
I hereby agree and sign off to the above statement	Name: Wade Dittrich Title: Environmental Coordinator

Email: wade_dittrich@oxy.com

Date: 12/08/2023

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

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

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

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

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

QUESTIONS, Page 3

Action 292731

QUESTIONS (continued)

Operator:	OGRID:
OXY USA INC	16696
P.O. Box 4294	Action Number:
Houston, TX 772104294	292731
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Site Characterization		
Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.		
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Less than or equal 25 (ft.)	
What method was used to determine the depth to ground water	Attached Document	
Did this release impact groundwater or surface water	Yes	
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:		
A continuously flowing watercourse or any other significant watercourse	Between 1000 (ft.) and ½ (mi.)	
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1000 (ft.) and ½ (mi.)	
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)	
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1 and 5 (mi.)	
Any other fresh water well or spring	Between 1 and 5 (mi.)	
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)	
A wetland	Between 1000 (ft.) and ½ (mi.)	
A subsurface mine	Greater than 5 (mi.)	
An (non-karst) unstable area	Between ½ and 1 (mi.)	
Categorize the risk of this well / site being in a karst geology	Medium	
A 100-year floodplain	Zero feet, overlying, or within area	
Did the release impact areas not on an exploration, development, production, or storage site	Yes	

Remediation Plan		
Please answer all the questions that apply or are indicated. This information must be provided	to the appropriate district office no later than 90 days after the release discovery date.	
Requesting a remediation plan approval with this submission	Yes	
Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.		
Have the lateral and vertical extents of contamination been fully delineated	Yes	
Was this release entirely contained within a lined containment area	No	
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)		
Chloride (EPA 300.0 or SM4500 Cl B)	49200	
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	35097	
GRO+DRO (EPA SW-846 Method 8015M)	28577	
BTEX (EPA SW-846 Method 8021B or 8260B)	8.7	
Benzene (EPA SW-846 Method 8021B or 8260B)	0.1	
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes complet which includes the anticipated timelines for beginning and completing the remediation.	ted efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC,	
On what estimated date will the remediation commence 09/17/2018		
On what date will (or did) the final sampling or liner inspection occur	06/13/2023	
On what date will (or was) the remediation complete(d)	06/13/2023	
What is the estimated surface area (in square feet) that will be reclaimed	22500	
What is the estimated volume (in cubic yards) that will be reclaimed	10000	
What is the estimated surface area (in square feet) that will be remediated	22500	
What is the estimated volume (in cubic yards) that will be remediated 10000		
These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.		
The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to		

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

District I

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QUESTIONS, Page 4

Action 292731

QUESTIONS (continued)

Operator:	OGRID:
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P.O. Box 4294	Action Number:
Houston, TX 772104294	292731
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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

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

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

I hereby agree and sign off to the above statement

Name: Wade Dittrich

Title: Environmental Coordinator

Email: wade_dittrich@oxy.com

Date: 12/08/2023

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

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QUESTIONS, Page 5

Action 292731

QUESTIONS (continued)

Operator:	OGRID:
OXY USA INC	16696
P.O. Box 4294	Action Number:
Houston, TX 772104294	292731
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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

District I

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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
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Santa Fe, NM 87505

QUESTIONS, Page 6

Action 292731

QUESTIONS (continued)

Operator:	OGRID:
OXY USA INC	16696
P.O. Box 4294	Action Number:
Houston, TX 772104294	292731
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	290967
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	06/13/2023
What was the (estimated) number of samples that were to be gathered	78
What was the sampling surface area in square feet	22500

Remediation Closure Request	Remediation Closure Request		
Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.			
Requesting a remediation closure approval with this submission	Yes		
Have the lateral and vertical extents of contamination been fully delineated	Yes		
Was this release entirely contained within a lined containment area	No		
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes		
What was the total surface area (in square feet) remediated	22500		
What was the total volume (cubic yards) remediated	10000		
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes		
What was the total surface area (in square feet) reclaimed	22500		
What was the total volume (in cubic yards) reclaimed	10000		
Summarize any additional remediation activities not included by answers (above)	None		

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

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

Name: Wade Dittrich
Title: Environmental Coordinator
Email: wade_dittrich@oxy.com
Date: 12/08/2023

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QUESTIONS, Page 7

Action 292731

QUESTIONS (continued)

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	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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

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CONDITIONS

Action 292731

CONDITIONS

Operator:	OGRID:
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Houston, TX 772104294	292731
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
michael.buchanan	Remediation Closure approved. Areas reasonably needed for production or subsequent drilling operations will need to be reclaimed and revegetated as soon as they are no longer reasonably needed. The reclamation report will need to address all of the requirements of 19.15.29.13 NMAC including pictures of the reclaimed area, and a proposed revegetation plan. A report for reclamation and revegetation will need to be submitted and approved prior to this incident receiving the final status of "Restoration Complete". PLEASE BE ADVISED: Liners will NOT be approved for remedial projects in the future	1/26/2024