



October 11, 2023

New Mexico Oil Conservation Division

New Mexico Energy, Minerals, and Natural Resources Department
1220 South St. Francis Drive
Santa Fe, New Mexico 87505

**Re: Closure Request
Rojo AE 7811 JV-P Fed 001H
Incident Number NCH1836251271
Lea County, New Mexico**

To Whom It May Concern:

Ensolum, LLC (Ensolum), on behalf of BTA Oil Producers, LLC (BTA), has prepared this *Closure Request* to document soil sampling activities performed at the Rojo AE 7811 JV-P Fed 001H (Site), in accordance with the approved *Remediation Work Plan (Work Plan)* submitted June 8, 2023. The *Work Plan* proposed lateral delineation of the release and confirmation soil sampling of the excavation extent. Based on the lateral delineation activities completed and laboratory analytical results for the excavation soil sampling events, completed in accordance with the approved *Work Plan*, BTA is submitting this *Closure Request*, describing remediation that has occurred and requesting closure for Incident Number NCH1836251271.

BACKGROUND

The Site is located in Unit D, Section 27, Township 25 South, Range 33 East, in Lea County, New Mexico (32.107610°, -103.56410°) and is associated with oil and gas exploration and production operations on Federal Land managed by the Bureau of Land Management (BLM).

On December 2, 2018, a dump valve froze into a closed position on a separator, causing the vessel to pressurize. The high-pressure relief valve opened, as designed, to prevent rupture of the vessel and incoming flow lines, resulting in the release of approximately 350 barrels (bbls) of crude oil and 35 bbls of produced water onto the well pad and eastern pasture. A vacuum truck was dispatched to the Site to recover free-standing fluids; approximately 200 bbls of crude oil and 20 bbls of produced water were recovered. BTA reported the release immediately to the New Mexico Oil Conservation Division (NMOCD) via email on December 2, 2018, and submitted a Release Notification Form C-141 (Form C-141) on December 4, 2018. The release was assigned Incident Number NCH1836251271.

Initial remediation activities, including excavation and discrete soil sampling was completed in 2018 and 2019 by Cajun Energy. A Site Activities and Backfill Request report (report) was submitted to the NMOCD on March 4, 2019. The report was denied on March 3, 2020. Following a review of the report and deficiencies noted by the NMOCD, Ensolum submitted a *Work Plan* on June 8, 2023. The *Work Plan* proposed the following:

- Lateral delineation of the release; and

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- Collection of 5-point composite confirmation soil samples from the floor and sidewalls of the original excavation. Floor samples were proposed to be collected at a sample frequency of every 700 square feet.

Details regarding the initial remediation efforts, Cajun Energy report, Site characterization, and proposed remediation activities can be referenced in the original *Work Plan*, included as Appendix A. On June 22, 2023, the NMOCD approved the *Work Plan* with the following conditions:

Work plan approved with conditions. OCD approves a sampling variance of collecting samples every 500 square feet, this includes sidewall and base samples.

The Site was characterized to assess the applicability of Table I, Closure Criteria for Soils Impacted by a Release, of Title 19, Chapter 15, Part 29 (19.15.29) of the New Mexico Administrative Code (NMAC). Based on the results of the Site Characterization reported in the June 8, 2023 *Work Plan* (Appendix A), the following NMOCD Table I Closure Criteria (Closure Criteria) apply:

- Benzene: 10 milligrams per kilogram (mg/kg)
- Benzene, toluene, ethylbenzene, and total xylenes (BTEX): 50 mg/kg
- Total petroleum hydrocarbons (TPH) - gasoline range organics (GRO) and TPH-diesel range organics (DRO): 1,000 mg/kg
- TPH: 2,500 mg/kg
- Chloride: 10,000 mg/kg

A reclamation requirement of 600 mg/kg chloride and 100 mg/kg TPH will be applied to the top 4 feet of the pasture area per 19.15.29.13.D (1) NMAC for the top 4 feet of areas that will be immediately reclaimed following remediation.

DELINEATION AND EXCAVATION CONFIRMATION SOIL SAMPLING ACTIVITIES

Between August 14 and August 22, 2023, Ensolum personnel were at the Site to evaluate the release extent based on information provided on the Form C-141 and visual observations. No visible indications of the historical release were observed during the Site visit. Eleven delineation soil samples (SS01 through SS11) were collected around the release extent at a depth of 0.5 feet below ground surface (bgs) to confirm the lateral extent of the release. Composite soil samples were collected every 500 square feet from the floor and sidewalls of the former excavation extent. The soil samples were collected by placing five equivalent aliquots of soil into a 1-gallon, resealable plastic bag and homogenizing the samples by thoroughly mixing. Composite soil samples FS01 through FS226 were collected from the floor of the excavation at depths ranging from 1-foot bgs to 2 feet bgs. Composite soil samples SW01 through SW05 were collected from the sidewalls of the excavation at depths ranging from the ground surface to 2 feet bgs. The excavation soil samples were field screened for volatile organic compounds (VOCs) utilizing a calibrated photoionization detector (PID) and chloride using Hach® chloride QuanTab® test strips. The excavation extent and excavation soil sample locations are presented on Figure 1. Photographic documentation was completed during the Site visit and a photographic log is included as Appendix B.

The soil samples were placed directly into pre-cleaned glass jars, labeled with the location, date, time, sampler name, method of analysis, and immediately placed on ice. The soil samples were transported under strict chain-of-custody procedures to Cardinal Laboratories (Cardinal) in Hobbs, New Mexico, for analysis of the following constituents of concern (COCs): BTEX following United States Environmental Protection Agency (EPA) Method 8021B; TPH-GRO, TPH-DRO, and TPH-oil range organics (ORO) following EPA Method 8015M/D; and chloride following EPA Method SM4500.

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LABORATORY ANALYTICAL RESULTS

Laboratory analytical results for delineation soil samples SS01 through SS11, collected around the release extent, indicated all COC concentrations were compliant with the most stringent Table I Closure Criteria and confirmed the lateral extent of the release. Laboratory analytical results for excavation confirmation soil samples FS01 through FS226 and sidewall samples SW01 through SW05, indicated all COC concentrations were compliant with the Site Closure Criteria and reclamation requirement, where applicable. Laboratory analytical results are summarized in Table 1 and the complete analytical reports are included as Appendix C.

CLOSURE REQUEST

Delineation and confirmation soil sampling activities were conducted at the Site, as outlined in the approved *Work Plan*, to confirm the removal of impacted soil resulting from the December 2018 release of crude oil and produced water. Laboratory analytical results for the delineation soil samples indicated all COC concentrations were compliant with the most stringent Table I Closure Criteria and confirmed the lateral extent of the release. Laboratory analytical results for the excavation soil samples, collected from the final excavation extent, indicated all COCs were compliant with the Site Closure Criteria and reclamation requirements, where applicable. Based on laboratory analytical results, the impacted soil was successfully removed, and no further remediation is required.

No visible indications of the release were observed. Initial response efforts, excavation of impacted soil, and natural attenuation have mitigated impacts at this Site. BTA believes these remedial actions are protective of human health, the environment, and groundwater. As such, BTA respectfully requests closure for Incident Number NCH1836251271. Notifications submitted to the NMOCD are included in Appendix D and the final Form C-141 is included as Appendix E.

If you have any questions or comments, please contact Ms. Tacoma Morrissey at (337) 257-8307 or tmorrissey@ensolum.com.

Sincerely,
Ensolum, LLC



Hadlie Green
Project Geologist



Daniel R. Moir, PG
Senior Managing Geologist

cc: Kelton Beaird, BTA
Bureau of Land Management

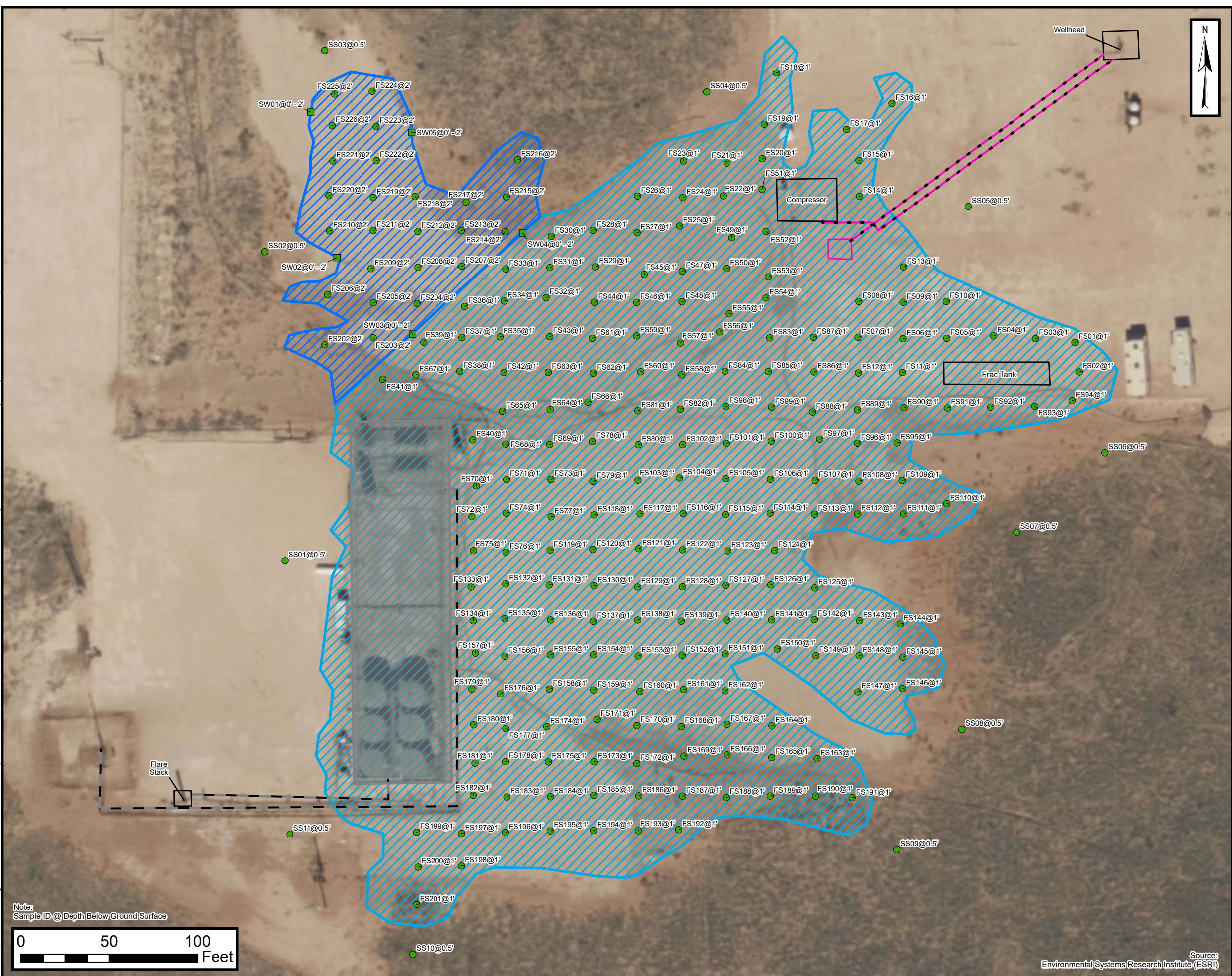
Appendices:

Figure 1	Soil Sample Locations
Table 1	Soil Sample Analytical Results
Appendix A	Remediation Work Plan, June 8, 2023
Appendix B	Photographic Log
Appendix C	Laboratory Analytical Reports & Chain-of-Custody Documentation
Appendix D	NMOCD Notifications
Appendix E	Final C-141



FIGURES

Path: C:\Users\Peter.Rodriguez\OneDrive - ENSOLUM, LLC\Desktop\GIS\BTA Oil Producers, LLC\03C2012042 - Rojo AE 7811 JV-P Fed 001H\1 - Project\Rojo AE 7811 JV-P Fed 001H.aprx



Legend

- Soil Sample Location
- Sidewall Sample Location
- Steel Lines
- Electric Power Lines
- Structure/Location Area
- Electric Box
- Containment Liner
- ▨ 1' Excavation Area
- ▨ 2' Excavation Area

ENSOLUM
Environmental, Engineering and Hydrogeologic Consultants

Soil Sample Locations

BTA Oil Producers, LLC
Rojo AE 7811 JV-P Fed 001H
Unit D, Sec 27, T25S, R33E
Lea County, New Mexico

FIGURE 1

Project Number: 03C2012042



TABLES



TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
 Rojo AE 7811 JV-P Fed 001H
 BTA Oil Producers, LLC
 Lea County, New Mexico

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	1,000	2,500	10,000
Delineation Soil Samples										
SS01	08/22/2023	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
SS02*	08/22/2023	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
SS03*	08/22/2023	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
SS04*	08/22/2023	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
SS05	08/22/2023	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
SS06*	08/22/2023	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
SS07*	08/22/2023	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
SS08*	08/22/2023	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
SS09*	08/22/2023	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
SS10*	08/22/2023	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
SS11*	08/22/2023	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
Excavation Floor Soil Samples										
FS01	08/14/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
FS02	08/14/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
FS03	08/14/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
FS04	08/14/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
FS05	08/14/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
FS06	08/14/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
FS07	08/14/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
FS08	08/14/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
FS09	08/14/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
FS10	08/14/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
FS11	08/14/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
FS12	08/14/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
FS13	08/14/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
FS14	08/15/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
FS15	08/15/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
FS16	08/15/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
FS17	08/15/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
FS18	08/15/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
FS19*	08/15/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
FS20*	08/15/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0



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NMOCD Table I Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	1,000	2,500	10,000
FS21*	08/15/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
FS22*	08/15/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
FS23*	08/15/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
FS24*	08/15/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
FS25*	08/15/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
FS26*	08/15/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
FS27*	08/15/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
FS28*	08/15/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
FS29*	08/15/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
FS30*	08/15/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
FS31*	08/15/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
FS32*	08/15/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
FS33*	08/15/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
FS34*	08/15/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
FS35*	08/15/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
FS36*	08/15/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
FS37*	08/15/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
FS38*	08/15/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
FS39*	08/15/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
FS40	08/15/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	656
FS41*	08/15/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
FS42*	08/15/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
FS43*	08/15/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
FS44*	08/15/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
FS45*	08/15/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
FS46*	08/15/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
FS47*	08/15/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
FS48*	08/15/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
FS49*	08/15/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
FS50*	08/15/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
FS51*	08/16/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
FS52*	08/16/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
FS53*	08/16/2023	1	<0.050	<0.300	<10.0	30.6	<10.0	30.6	30.6	32.0



TABLE 1
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 Lea County, New Mexico

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	1,000	2,500	10,000
FS54*	08/16/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
FS55*	08/16/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
FS56*	08/16/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
FS57*	08/16/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
FS58*	08/16/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
FS59*	08/16/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
FS60*	08/16/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
FS61*	08/16/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
FS62*	08/16/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
FS63*	08/16/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
FS64*	08/16/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
FS65*	08/16/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
FS66*	08/16/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
FS67*	08/16/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
FS68*	08/16/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
FS69*	08/16/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
FS70	08/16/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
FS71*	08/16/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
FS72	08/16/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	832
FS73*	08/16/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	320
FS74*	08/16/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
FS75	08/16/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
FS76*	08/16/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	400
FS77*	08/16/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
FS78*	08/16/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
FS79*	08/16/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
FS80*	08/16/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
FS81*	08/16/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
FS82*	08/16/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
FS83*	08/16/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
FS84*	08/16/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
FS85*	08/16/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
FS86	08/16/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0



TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
 Rojo AE 7811 JV-P Fed 001H
 BTA Oil Producers, LLC
 Lea County, New Mexico

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	1,000	2,500	10,000
FS87	08/16/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
FS88*	08/16/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
FS89*	08/16/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
FS90*	08/16/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
FS91*	08/16/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
FS92*	08/16/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
FS93*	08/16/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
FS94*	08/16/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
FS95*	08/16/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
FS96*	08/16/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
FS97*	08/16/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
FS98*	08/16/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
FS99*	08/16/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
FS100*	08/16/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
FS101*	08/16/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
FS102*	08/16/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
FS103*	08/16/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
FS104*	08/16/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
FS105*	08/16/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
FS106*	08/17/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
FS107*	08/17/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
FS108*	08/17/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
FS109*	08/17/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
FS110*	08/17/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
FS111*	08/17/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
FS112*	08/17/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
FS113*	08/17/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
FS114*	08/17/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
FS115*	08/17/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
FS116*	08/17/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
FS117*	08/17/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
FS118*	08/17/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
FS119*	08/17/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	192



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NMOCD Table I Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	1,000	2,500	10,000
FS120*	08/17/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
FS121*	08/17/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
FS122*	08/17/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
FS123*	08/17/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
FS124*	08/17/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
FS125*	08/17/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
FS126*	08/17/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
FS127*	08/17/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
FS128*	08/17/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
FS129*	08/17/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
FS130*	08/17/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
FS131*	08/17/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
FS132*	08/17/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
FS133	08/17/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112
FS134	08/17/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
FS135*	08/17/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
FS136*	08/17/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
FS137*	08/17/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
FS138*	08/17/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
FS139*	08/17/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
FS140*	08/17/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
FS141*	08/17/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
FS142*	08/17/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
FS143*	08/17/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
FS144*	08/17/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
FS145*	08/17/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
FS146*	08/17/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
FS147*	08/17/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
FS148*	08/17/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
FS149*	08/17/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
FS150*	08/17/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
FS151*	08/17/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
FS152*	08/17/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0



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NMOCD Table I Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	1,000	2,500	10,000
FS153*	08/17/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
FS154*	08/17/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
FS155*	08/17/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
FS156*	08/17/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
FS157	08/17/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112
FS158*	08/17/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
FS159*	08/17/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
FS160*	08/17/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
FS161*	08/17/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
FS162*	08/17/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
FS163*	08/18/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
FS164*	08/18/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
FS165*	08/18/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
FS166*	08/18/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
FS167*	08/18/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
FS168*	08/18/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
FS169*	08/18/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
FS170*	08/18/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
FS171*	08/18/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
FS172*	08/18/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
FS173*	08/18/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
FS174*	08/18/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
FS175*	08/18/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
FS176*	08/18/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
FS177*	08/18/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
FS178*	08/18/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
FS179	08/18/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
FS180	08/18/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
FS181	08/18/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
FS182*	08/18/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
FS183*	08/18/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
FS184*	08/18/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
FS185*	08/18/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0



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NMOCD Table I Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	1,000	2,500	10,000
FS186*	08/18/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
FS187*	08/18/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
FS188*	08/18/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
FS189*	08/18/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
FS190*	08/18/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
FS191*	08/18/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
FS192*	08/18/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
FS193*	08/18/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
FS194*	08/18/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
FS195*	08/18/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
FS196*	08/18/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
FS197*	08/18/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
FS198*	08/18/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
FS199*	08/18/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
FS200*	08/18/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
FS201*	08/18/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
FS202*	08/18/2023	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
FS203*	08/18/2023	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
FS204*	08/21/2023	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
FS205*	08/21/2023	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
FS206*	08/21/2023	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
FS207*	08/21/2023	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
FS208*	08/21/2023	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
FS209*	08/21/2023	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
FS210*	08/21/2023	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
FS211*	08/21/2023	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
FS212*	08/21/2023	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
FS213*	08/21/2023	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
FS214*	08/21/2023	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
FS215*	08/21/2023	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
FS216*	08/21/2023	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
FS217*	08/21/2023	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
FS218*	08/21/2023	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0



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NMOCD Table I Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	1,000	2,500	10,000
FS219*	08/21/2023	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
FS220*	08/21/2023	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
FS221*	08/21/2023	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
FS222*	08/21/2023	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
FS223*	08/21/2023	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
FS224*	08/21/2023	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
FS225*	08/21/2023	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
FS226*	08/21/2023	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
Excavation Sidewall Soil Samples										
SW01*	08/21/2023	0 - 2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
SW02*	08/21/2023	0 - 2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
SW03*	08/21/2023	0 - 2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
SW04*	08/21/2023	0 - 2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
SW05*	08/21/2023	0 - 2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0

Notes:

bgs: below ground surface

mg/kg: milligrams per kilogram

NMOCD: New Mexico Oil Conservation Division

NMAC: New Mexico Administrative Code

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

Concentrations in **bold** exceed the NMOCD Table I Closure Criteria or reclamation standard where applicable.

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

* indicates sample was collected in area to be reclaimed after remediation is complete; reclamation standard in the top 4 feet is 600 mg/kg for chloride at 100 mg/kg for TPH.



APPENDIX A

Remediation Work Plan, June 8, 2023



June 6, 2023

New Mexico Oil Conservation Division

New Mexico Energy, Minerals, and Natural Resources Department
1220 South St. Francis Drive
Santa Fe, New Mexico 87505

**Re: Remediation Work Plan
Rojo AE 7811 JV-P Fed 001H
Incident Number NCH1836251271
Lea County, New Mexico**

To Whom It May Concern:

Ensolum, LLC (Ensolum), on behalf of BTA Oil Producers, LLC (BTA), has prepared the following *Remediation Work Plan (Work Plan)* to document remedial activities completed to date at the Rojo AE 7811 JV-P Fed 001H (Site) and propose additional remedial actions based on deficiencies documented by the New Mexico Oil Conservation Division (NMOCD) in their denial email dated March 3, 2020. The following *Work Plan* proposes to collect the appropriate number of confirmation floor and sidewall soil samples that were not completed in December 2018 as well as collect lateral delineation soil samples to verify the lateral extent of the release.

SITE DESCRIPTION AND RELEASE SUMMARY

The Site is located in Unit D, Section 27, Township 25 South, Range 33 East, in Lea County, New Mexico (32.107610°, -103.56410°) and is associated with oil and gas exploration and production operations on Federal Land managed by the Bureau of Land Management (BLM).

On December 2, 2018, a dump valve froze into a closed position on a separator, causing the vessel to pressurize. The high-pressure relief valve opened, as designed, to prevent rupture of the vessel and incoming flow lines, resulting in the release of approximately 350 barrels (bbls) of crude oil and 35 bbls of produced water onto the well pad and eastern pasture. A vacuum truck was dispatched to the Site to recover free-standing fluids; approximately 200 bbls of crude oil and 20 bbls of produced water were recovered. BTA reported the release immediately to the NMOCD via email on December 2, 2018, and submitted a Release Notification Form C-141 (Form C-141) on December 4, 2018. The release was assigned Incident Number NCH1836251271.

On December 2, 2018, Cajun Energy was retained to remediate the Site, which included the excavation of 5,430 cubic yard of stained soil and soil with elevated field screening results. Following excavation activities, Cajun Energy collected 10 discrete soil samples (SP1 through SP10) at depths ranging from 2 feet to 3 feet below ground surface (bgs). The excavation extent and soil sample locations are depicted on Figure 2. A Site Activities & Backfill Request report was submitted to the NMOCD on March 4, 2019, describing remedial actions and requesting closure of Incident Number NCH1836251271. The report is included as Appendix A.

BTA Oil Producers, LLC
Remediation Work Plan
Rojo AE 7811 JV-P Fed 001H

The NMOCD denied closure on March 3, 2020, via email based on the following deficiencies:

- *Soil samples were collected from only 10 points within the excavation spanning an area of more than 75,000 square feet. Please see 19.15.29.12 D. Closure Requirements. Each samples should not represent more than 200 square feet unless a sampling plan has already been submitted to and approved by the division.*
- *Sidewall samples were not collected to confirm the horizontal extents of the release were addressed.*
- *Depth to groundwater is not adequately identified. When nearby wells are used to determine depth to groundwater, the wells should be no further than ½ mile away from the site, and data should be no more than 25 years old, and well construction information should be provided. If evidence of ground water within a ½ mile radius of the site cannot be provided, impacted soils will need to meet Table 1 Closure Criteria for ground water at a depth of 50 feet or less.*
- *The Closure page for the C-141 was not included with the report.*

The following sections will address the deficiencies described above in order to comply with Title 19, Chapter 15, Part 29 (19.15.29) of the New Mexico Administrative Code (NMAC).

SITE CHARACTERIZATION AND CLOSURE CRITERIA

The Site was characterized to assess the applicability of Table I, Closure Criteria for Soils Impacted by a Release, of 19.15.29 NMAC. Results from the characterization desktop review are presented on the Form C-141, Site Assessment/Characterization. Potential Site receptors are identified on Figure 1.

Depth to groundwater at the Site is estimated to be between 50 feet to 100 feet below ground surface (bgs) based on the closest groundwater well data. The closest groundwater well with depth to groundwater data is New Mexico Office of the State Engineer (NM OSE) well number C-4698-POD 1, located approximately 579 feet west of the Site. On January 3, 2023, a field geologist logged and described soils continuously to a total depth of 60 feet bgs due to drilling refusal. The borehole was left open for over 72 hours to allow for potential slow infill of groundwater. After the 72-hour waiting period without observing groundwater, it was confirmed that groundwater beneath the Site is greater than 60 feet bgs. The borehole was properly abandoned using drill cuttings and hydrated bentonite chips. Based on the soil boring, depth to groundwater at the Site is confirmed to be between 50 feet and 100 feet bgs. All wells used for depth to water determination are depicted on Figure 1 and the referenced well records are included in Appendix B.

The closest continuously flowing or significant watercourse to the Site is an irrigation canal, located approximately 6,792 feet southeast of the Site. The Site is greater than 200 feet from a lakebed, sinkhole, or playa lake and greater than 300 feet from an occupied residence, school, hospital, institution, church, or wetland. The Site is greater than 1,000 feet to a freshwater well or spring and is not within a 100-year floodplain or overlying a subsurface mine. The Site is not underlain by unstable geology (high potential karst designation area). Site receptors are identified on Figure 1.

Based on the results of the Site Characterization, the following NMOCD Table I Closure Criteria (Closure Criteria) apply for the following chemicals of concern (COCs):

- Benzene: 10 milligrams per kilogram (mg/kg)
- Benzene, toluene, ethylbenzene, and total xylenes (BTEX): 50 mg/kg
- Total Petroleum Hydrocarbons (TPH) – gasoline range organics (GRO) and TPH – diesel range organics (DRO): 1,000 mg/kg

BTA Oil Producers, LLC
Remediation Work Plan
Rojo AE 7811 JV-P Fed 001H

- Total TPH: 2,500 mg/kg
- Chloride: 10,000 mg/kg

A reclamation requirement of 600 mg/kg chloride and 100 mg/kg TPH will be applied to the top 4 feet of the pasture area per 19.15.29.13.D (1) NMAC for the top 4 feet of areas that will be immediately reclaimed following remediation.

PROPOSED REMEDIAL ACTIONS

Based on the NMOCD's 2020 denial, Ensolum proposes the following remedial actions to address the deficiencies:

- Ensolum proposes to evaluate the lateral release extent based on information provided on the Form C-141 and document release extent. Ensolum will collect soil samples at 0.5 feet bgs outside of the release extent to confirm the lateral definition of the release. Tentative delineation soil sample locations are presented on Figure 2. The actual locations of the soil samples will be dependent on Site observations and may be adjusted once onsite.
- All soil samples will be field screened for volatile organic compounds (VOCs) utilizing a calibrated photoionization detector (PID) and chloride using Hach® chloride QuanTab® test strips. Field screening results and observations were logged on lithologic/soil sampling logs. The soil sample locations will be mapped utilizing a handheld Global Positioning System (GPS) unit. Photographic documentation will be completed during the Site visit.
- Soil samples will be placed directly into pre-cleaned glass jars, labeled with the location, date, time, sampler name, method of analysis, and immediately placed on ice. The soil samples will be transported under strict chain-of-custody procedures to Cardinal Laboratories (Cardinal) in Hobbs, New Mexico, for analysis of the following COCs: BTEX following United States Environmental Protection Agency (EPA) Method 8021B; TPH-GRO, TPH-DRO, and TPH-oil range organics (ORO) following EPA Method 8015M/D; and chloride following EPA Method SM4500.
- Ensolum will collect 5-point composite confirmation soil samples from the floor of the excavation per 19.15.29.12.D NMAC with the following variance request: based on the overall aerial extent of the release and subsequent excavation (greater than 75,000 square feet), Ensolum is requesting a variance in sample frequency from every 200 square feet to every 700 square feet. This would reduce the sample quantity from approximately 627 floor soil samples to 179 samples. Ensolum believes this frequency will adequately confirm the presence or absence of soil impacts and/or waste-containing soil (soil in off-pad areas that does not meet the reclamation requirements).
- Based on information provided by Cajun Energy, the excavation was completed to approximately 1-foot bgs in the vicinity of soil samples SP1 and SP2 and to 2 feet bgs in the rest of the excavation. As such, confirmation soil samples will be collected at those depths as shown on Figure 2.
- Ensolum will collect 5-point composite confirmation soil samples from the sidewalls of the excavation per 19.15.29.12.D NMAC at a frequency of one every 200 square feet. Based on the final depths of the excavation (between 1-foot and 2 feet bgs), approximately 11 sidewall soil samples will be collected.
- The 5-point composite samples will be collected by placing five equivalent aliquots of soil into a 1-gallon, resealable plastic bag and homogenizing the samples by thoroughly mixing. The

BTA Oil Producers, LLC
Remediation Work Plan
Rojo AE 7811 JV-P Fed 001H

confirmation floor and sidewall soil samples will be handled and analyzed following the same procedures as described above.

- Depth to water has been adequately assessed as noted in the Site Characterization section and as such, the appropriate Closure Criteria has been determined and will be used for confirmation sampling comparisons on pad and the reclamation requirements will be utilized off pad in the top 4 feet.
- The Form C-141 for remediation plans has been included in Appendix C of this *Work Plan*.

BTA will complete the delineation and confirmation soil sampling activities described above within 90 days of the date of approval of this *Work Plan* by the NMOCD. If laboratory analytical results indicate concentrations of all COCs are in compliance with the Closure Criteria and/or the reclamation requirement and it is determined that impacted soil was satisfactorily removed, a *Closure Request* will be prepared and submitted to the NMOCD for concurrence. If laboratory analytical results do indicate the presence of impacted soil and/or waste-containing soil, BTA will submit a *Revised Remediation Work Plan (RRWP)* to outline additional remedial actions to address impacts.

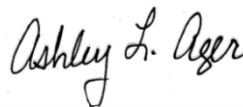
BTA believes the scope of work described above will meet requirements set forth in 19.15.29.12 NMAC and are protective of human health, the environment, and groundwater. As such, BTA respectfully requests approval of this *Work Plan* from the NMOCD.

If you have any questions or comments, please contact Ms. Tacoma Morrissey at (337) 257-8307 or tmorrissey@ensolum.com.

Sincerely,
Ensolum, LLC



Hadlie Green
Staff Geologist



Ashley Ager, M.S., PG
Principal

cc: Kelton Beaird, BTA
Nathan Sirgo, BTA
Bureau of Land Management





Appendices:

Figure 1	Site Receptor Map
Figure 2	Proposed Soil Sample Locations
Appendix A	Previous Closure Report
Appendix B	Referenced Well Records
Appendix C	Form C-141





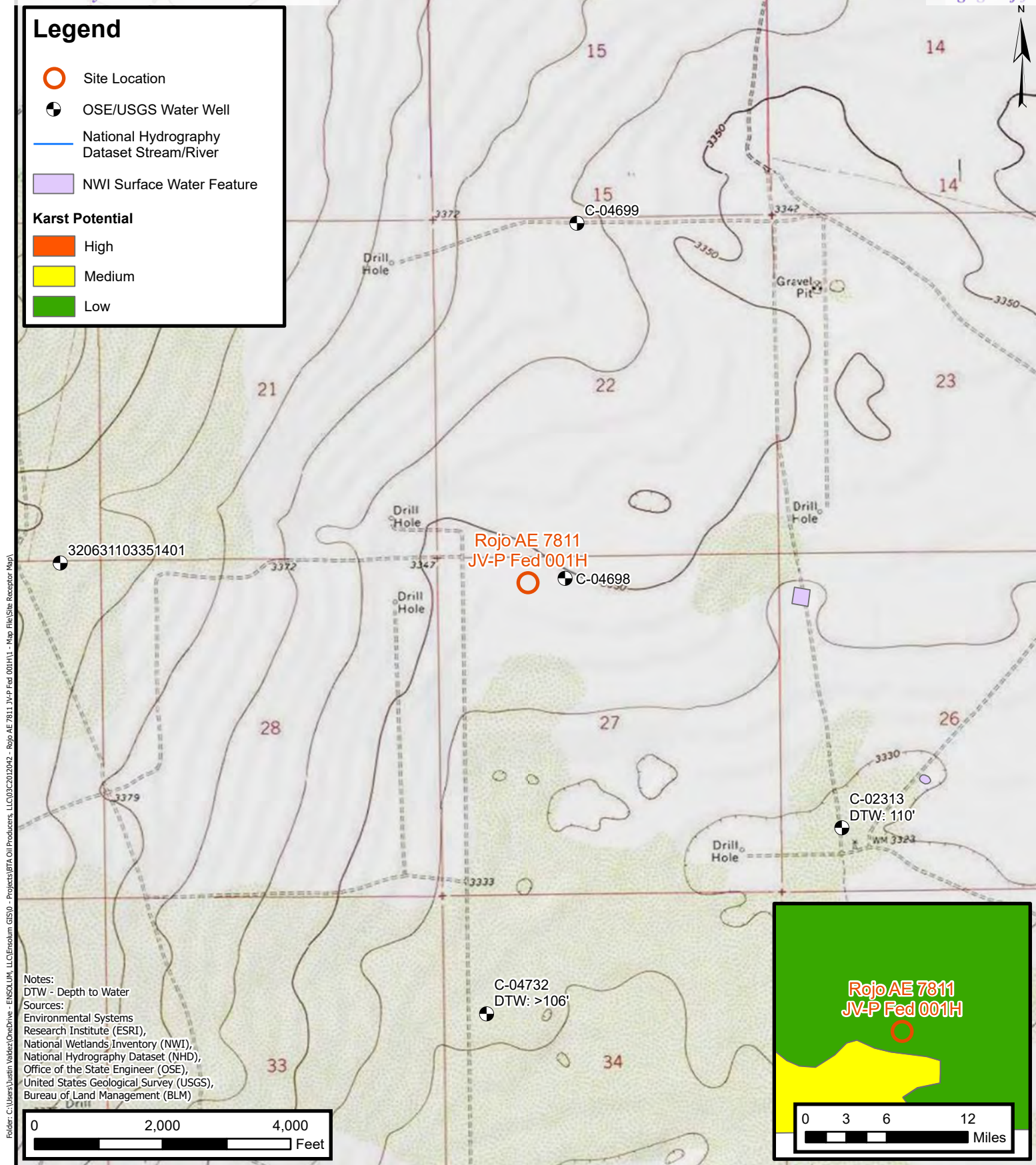
FIGURES

Legend

-  Site Location
-  OSE/USGS Water Well
-  National Hydrography Dataset Stream/River
-  NWI Surface Water Feature

Karst Potential

-  High
-  Medium
-  Low

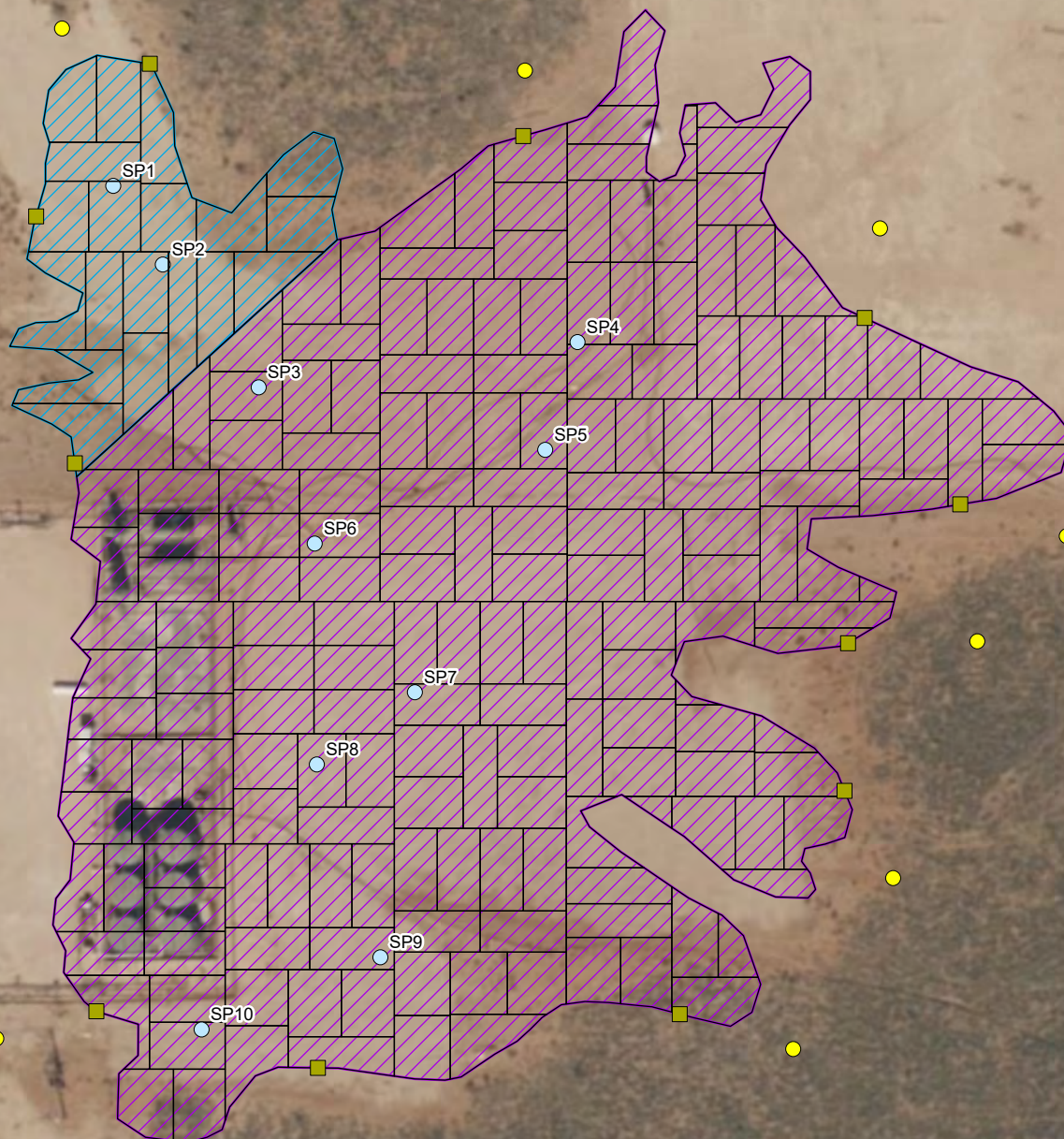
**Site Receptor Map**

BTA Oil Producers, LLC
Rojo AE 7811 JV-P Fed 001H
Incident Number: nCH1836251271
Unit D, S27, T25S, R33E
Lea County, New Mexico

FIGURE**1**

Legend

- Proposed Lateral Delineation Soil Sample Location
- Existing Soil Sample Location
- Proposed 5-Point Composite Sidewall Sampling Area
- ▨ Proposed 5-Point Composite Sampling Area at 1-foot bgs
- ▨ Proposed 5-Point Composite Sampling Area at 2-feet bgs
- 700-square foot Grid



Notes:
bgs = below/ground/surface

0 25 50 100 150
Feet

Sources: Environmental Systems Research Institute (ESRI)



Proposed Soil Sample Locations

BTA Oil Producers, LLC
Rojo AE 7811 JV-P Fed 001H
Incident Number: nCH1836251271
Unit D, S27, T25S, R33E
Lea County, New Mexico

FIGURE

2



APPENDIX A

Remediation Work Plan, June 8, 2023

From: [Eads, Cristina, EMNRD](#)
To: ["BGrimes@btaoil.com"](#)
Cc: [Mike EMNRD Bratcher \(mike.bratcher@state.nm.us\)](#); [Robert EMNRD Hamlet \(Robert.Hamlet@state.nm.us\)](#); [Victoria EMNRD Venegas \(Victoria.Venegas@state.nm.us\)](#)
Subject: Closure Denial - Incident nCH183625127
Date: Tuesday, March 3, 2020 3:00:00 PM

Ben,

The OCD has denied the submitted Closure Report C-141 for incident # NCH1836251271 for the following reasons:

- Soil samples were collected from only 10 points within the excavation spanning an area of more than 75,000 square feet. Please see **19.15.29.12 D. Closure Requirements**. Each samples should not represent more than 200 square feet unless a sampling plan has already been submitted to and approved by the division.
- Sidewall samples were not collected to confirm the horizontal extents of the release were addressed.
- Depth to groundwater is not adequately identified. When nearby wells are used to determine depth to groundwater, **the wells should be no further than ½ mile away from the site, and data should be no more than 25 years old**, and well construction information should be provided. If evidence of ground water within a ½ mile radius of the site cannot be provided, impacted soils will need to meet Table 1 Closure Criteria for ground water at a depth of 50 feet or less.
- The Closure page for the C-141 was not included with the report.

Please review and make the required corrections prior to resubmitting through the fee portal.

Thanks,

Cristina Eads

Environmental Bureau

EMNRD – Oil Conservation Division

1220 South St. Francis Drive

Santa Fe, New Mexico 87505

505.476.3084

email: Cristina.Eads@state.nm.us

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

Bob Hall

From: Bob Hall
Sent: Thursday, March 07, 2019 1:08 PM
To: 'jamos@blm.gov'; Weaver, Crystal; 'emnrd-ocd-district1spills@state.nm.us'
Cc: 'Michael Alves'
Subject: 1RP-5295 Site Activities Report and Request for Backfilling
Attachments: 1RP-5295.pdf; FINAL_Rojo AE Backfill Request.pdf

Please find attached a site activities report and a request for backfilling the subject site that was prepared by Michael Alves with Cajun Energy.

If you have questions or concerns, Michael and I are available at any time that is convenient for you.

Thanks,
Bob.

Bob Hall
BTA Oil Producers, LLC
104 S. Pecos Street
Midland, TX 79701

bhall@btaoil.com
(432) 682-3753 (office)
(432) 312-2203 (cell)



Closure Denied - CE
03/03/2020

From: Hernandez, Christina, EMNRD <Christina.Hernandez@state.nm.us>
Sent: Friday, December 28, 2018 4:09 PM
To: Bob Hall <BHall@btaoil.com>; stucker@blm.gov
Cc: Michael Alves <mike@cajun-energy.com>; Ben Grimes <BGrimes@btaoil.com>
Subject: RE: Rojo AE Battery_Signed Release Notification Form C-141 for Dec 2 2018 Release

***** EXTERNAL EMAIL - Please use caution and **DO NOT** open attachments or click links from unknown or unexpected emails. *****

Ms. Hall:

Notes

1. Dated, geo-referenced photo documentation for verification that the initial response activities have been employed to contain the release is requested.
2. 19.15.29.13 NMAC, regulations of corresponding agencies supersede NMOCD's.

The 1RP for this incident is

5295	12/28/2018	A	BTA oil	Rojo AE 7811 JV-p Fed 001H	30-025-43476	25S-33E-27D	12
------	------------	---	---------	----------------------------	--------------	-------------	----

Please remember to include this 1RP identifier to all communications. Delineate and remediate per regulation NMAC 19.15.29 available at <http://164.64.110.134/parts/title19/19.015.0029.html>. Mind the timelines for submittal of requisite information.

Please be advised that NMOCD recommends a completed site characterization/delineation report be reviewed or approved by NMOCD BEFORE any significant remediation work towards closure.

Thanks,
Christina Hernandez
EMNRD-OCD
Environmental Specialist
1625 N. French Drive
Hobbs, NM 88240
575-393-6161 x111
Christina.Hernandez@state.nm.us

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

From: Bob Hall <BBHall@btaoil.com>
Sent: Tuesday, December 4, 2018 3:54 PM
To: stucker@blm.gov; Hernandez, Christina, EMNRD <Christina.Hernandez@state.nm.us>
Cc: Michael Alves <mike@cajun-energy.com>; Ben Grimes <BGrimes@btaoil.com>
Subject: [EXT] Rojo AE Battery_Signed Release Notification Form C-141 for Dec 2 2018 Release

Please find attached a scan of the signed Release Notification for the Rojo AE 7811 JV-P Federal 001H (closest well) Tank Battery spill that took place on 12/2/2018.

BTA will continue to work with Mike at Cajun Energy to execute the Site Assessment, Remediation and Closure activities at this spill site.

If you have any questions or concerns, please call me anytime.

Bob.

Bob Hall
BTA Oil Producers, LLC
104 S. Pecos Street
Midland, TX 79701

(432) 682-3753 (office)
(432) 312-2203 (cell)

BTA OIL PRODUCERS

03/04/2019



Site Activities

&

Backfill Request

1RP-5295

Rojo AE 7811 JV-P Federal 001H (Closest Well)

UL-D, Sec. 27-T25S-R33E

API # 30-025-43476

Prepared by:

Michael Alves

Environmental Department

Cajun Energy

831 East Highland

Hobbs, NM 88240

Phone: (575) 631-4310

mike@cajun-energy.com

BTA OIL PRODUCERS

03/04/2019

BTA Oil Producers has retained Cajun Energy to address environmental issues for the site detailed herein.

The Rojo AE 7811 JV-P Federal 001H (API # 30-025-43476) is the closest well to this Production Facility and Tank Battery located west of Jal, Lea County, NM. According to the New Mexico Office of the State Engineer, the Minimum Depth to Water is 214 feet. (Appendix II).

As written in the C-141 filed on December 4, 2018 with the BLM/NMOCD, the release was caused by a frozen dump valve resulting in a vessel pressuring up and blowing oil and produced water out of the "pop off". (Appendix I) An estimated 350 BBL of oil and 35 BBL of produced water was released, of those volumes, 200 BBL of oil and 20 BBL of produced water were recovered. Since the spill volume was greater than 25 BBL, this spill is classified as a major release in accordance with NMOCD Rules. Subsequently, the release was assigned Incident #NCH1836251271 and District RP #1RP-5295.

On December 2, 2018, the day of the release, Cajun Energy was called to the location to perform emergency spill response activities. Cajun Energy made an emergency "One Call" dig alert and started spill remediation. Starting on December 2, 2018, the immediate remediation of the site commenced by excavating visibly soaked soil and stockpiling the soil onto a 6ml plastic liner. This timely effort stopped the downward migration of oil.

Excavation, stockpiling and disposal activities were performed through mid-December. From mid-December to mid-January, the primary activity was removal of the remaining impacted soil for disposal. A total of 5,430 cubic yards of soil were sent for disposal at Sundance Services, Inc. in Eunice, NM.

During excavation activities, samples for field testing were taken from 10 locations (SP1 through SP10) at points from surface down to 2' BGS (below ground surface). (Appendix III) Field testing on the samples used a titration process to estimate total chloride concentration and a PID meter was used to indicate the presence of volatile hydrocarbons in soil (inferring a concentration of TPH).

The excavation activity began with an initial scraping of up to 1' of obvious oil-soaked soil in the area of sample locations SP1 through SP10. Following the initial scraping, soil near sample locations SP1 and SP2 was left as is, due to field screening results and as confirmed with lab results. Using field screening and visual cues, an additional 1' of obviously impacted oil-soaked soil was removed in the vicinity of sample locations SP3 through SP10, resulting in a total of 2' BGS depth excavated from those portions of the spill area. (Appendix V)

When a soil sample at a location was field tested and indicated the presence of contaminant concentrations at a level below clean-up requirements, an additional soil

BTA OIL PRODUCERS

03/04/2019

sample was taken at the same location at a point that was one foot deeper as confirmation. The second "deeper" sample was then taken to Cardinal Labs for lab analysis. Sample locations SP1 and SP2 were below clean-up requirements at their respective points located between surface and 1' BGS. All samples taken from sample locations SP3 through SP10 were below clean-up requirements at each point located between 1' and 2' BGS. (Appendix VI).

Inside of the lined secondary containment area, the tanks and equipment were washed as was the interior of the secondary containment. All waste water was taken to a BTA SWD for proper disposal.

At the completion of the emergency response activity at the present site, all impacted soil containing concentrations of TPH and Chlorides above the regulatory action levels has been removed. Field testing of bottom soil samples defined the limits of the impacted area and those limits are confirmed with lab analyses of additional soil samples at points located generally 1' deeper.

On behalf of BTA Oil Producers, Cajun Energy respectfully requests approval to backfill the site herein. The proposed work to be conducted by Cajun Energy will be to backfill and compact the site using clean imported soil and caliche. The surrounding area will be contoured to the excavation and then seeded with a native blend of seed, which in this case is LPC. The seed blend will be free of noxious weeds.

A site map is included in the Appendices and pictures (Appendix IV) have been included to provide additional information about the release and the scope of the emergency response activities. A closure report will be submitted to BLM/NMOCD along with all supporting documentation to provide closure to this release.

If you have any questions or concerns, please feel free to contact me.

Respectfully,



Michael Anthony Alves
Cajun Energy – General Manager
575-631-4310
mike@cajun-energy.com

Appendix I	C-141
Appendix II	Groundwater Search
Appendix III	Site Map
Appendix IV	Site Photos
Appendix V	Sample Table
Appendix VI	Lab Data

BTA OIL PRODUCERS

03/04/2019

Appendix I

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	NCH1836251271
District RP	1RP-5295
Facility ID	
Application ID	pCH1836251636

Release Notification

Responsible Party

Responsible Party	BTA Oil Producers	OGRID	260297
Contact Name	Ben Grimes	Contact Telephone	(432) 682-3753
Contact email	bgrimes@btaoil.com	Incident #	NCH1836251271 ROJO AE 7811 JV-P FED 001H @ 30-025-43476
Contact mailing address	104 S. Pecos St., Midland, TX 79701		

Location of Release Source

Latitude 32.107610 Longitude -103.56410
(NAD 83 in decimal degrees to 5 decimal places)

Site Name	Rojo AE 7811 JV-P Fed 001H (closest well)	Site Type	Tank Battery
Date Release Discovered	12/02/2018	API# (if applicable)	30-025-43476

Unit Letter	Section	Township	Range	County
D	27	25S	33E	Lea

Surface Owner: ☐ State ☒ Federal ☐ Tribal ☐ Private (Name: _____)

Nature and Volume of Release

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

<input checked="" type="checkbox"/> Crude Oil	Volume Released (bbls)	350 BBL	Volume Recovered (bbls)	200 BBL
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls)	35 BBL	Volume Recovered (bbls)	20 BBL
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
<input type="checkbox"/> Condensate	Volume Released (bbls)		Volume Recovered (bbls)	
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)		Volume Recovered (Mcf)	
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)		Volume/Weight Recovered (provide units)	

Cause of Release

A dump valve froze into a closed position on the separator, causing the vessel to pressure up and the high pressure relief valve (pop-off) to open to prevent rupture of the vessel and the incoming lines.

Form C-141

State of New Mexico
Oil Conservation Division

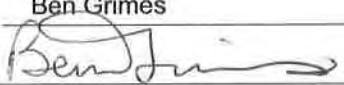
Page 2

Incident ID	
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If YES, for what reason(s) does the responsible party consider this a major release? The spill volume was greater than 25 BBL, which the NMOCD Rules define as a major release.
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? Email sent to Shelly Tucker, BLM, and Christina Hernandez, NMOCD, by Michael Alves, Cajun Energy, on 12/2/2018 at 9:02 PM.	

Initial Response

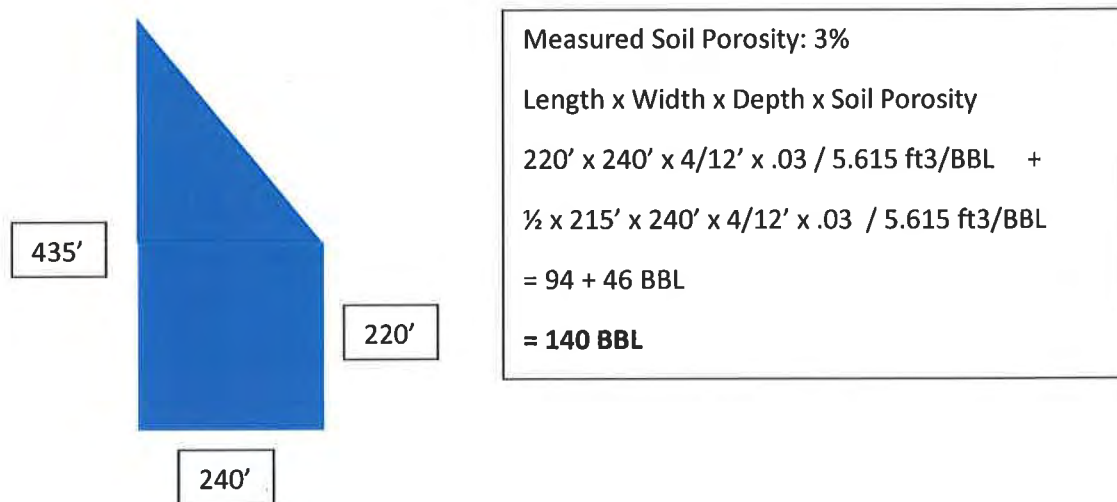
The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury

<input checked="" type="checkbox"/> The source of the release has been stopped. <input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.	
If all the actions described above have <u>not</u> been undertaken, explain why: 	
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
Printed Name: <u>Ben Grimes</u>	Title: <u>Production Manager</u>
Signature: <u></u>	Date: <u>12/4/18</u>
email: <u>bgrimes@btaoil.com</u>	Telephone: <u>(432) 682-3753</u>
<u>OCD Only</u> Received by: _____ Date: _____	

Release Notification for 12/2/2018 Incident

Calculations for Rojo AE 7811 JV-P Federal 001H (nearest well)

- The impacted area outside of the tank battery containment was calculated as follows:



- Plus: 220 BBL was contained and recovered from the tank battery secondary containment area.
- Plus: Estimated 25 BBL fluid remains inside secondary containment spread across the top of the tanks, vessels and piping.

Total volume reported: 385 BBL

At 10% Water Cut, Volumes in this Release Notification estimate are:

Crude Oil: 350 BBL

Produced Water: 35 BBL

BTA OIL PRODUCERS

03/04/2019

Appendix II

Groundwater Search



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)

(R=POD has been replaced,
O=orphaned,
C=the file is closed)

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

POD Number	POD Sub-Code	basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
J 00005 POD1	J	LE		2	2	2	13	26S	35E	659200	3547174*	23510	601	230	371
J 00001	J	LE		1	1	3	18	26S	36E	659416	3546374*	23939	550	253	297
J 00002 X3	J	LE			3	1	19	26S	36E	659536	3545067*	24463	710	216	494
J 00002 X2	J	LE			4	3	18	26S	36E	659929	3545879*	24575	650	214	436
J 00001 X	J	LE		2	4	1	19	26S	36E	660042	3545173*	24905	640	250	390
J 00027 POD1	J	LE		1	2	2	30	26S	36E	660612	3543961	25858	571	285	286
J 00033 POD1	J	LE		2	4	2	30	26S	36E	660767	3543426	26200	551	250	301
J 00034 POD1	J	LE		2	4	2	30	26S	36E	660869	3543643	26214	506	250	256
J 00035 POD1	J	LE		2	4	2	30	26S	36E	660923	3543521	26309	506	250	256
J 00004 POD1	J	LE		4	1	3	29	26S	36E	661366	3542970	26928	604	270	334
J 00004 CLW458813	O	J	LE			3	29	26S	36E	661392	3542882*	26986	604	270	334
J 00009 POD1	J	LE			4	4	09	26S	36E	663924	3547554*	28016	175		
J 00008 POD1	J	LE			3	3	10	26S	36E	664327	3547560*	28409	175		
J 00025 POD2	J	LE		3	4	4	21	26S	36E	663984	3544155	28965	800		

Average Depth to Water: **248 feet**

Minimum Depth: **214 feet**

Maximum Depth: **285 feet**

Record Count: 14

Basin/County Search:

Basin: Jal

UTMNAD83 Radius Search (in meters):

Easting (X): 636508.6

Northing (Y): 3553326

Radius: 30000

*UTM location was derived from PLSS - see Help

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

2/18/19 2:42 PM

Page 1 of 1

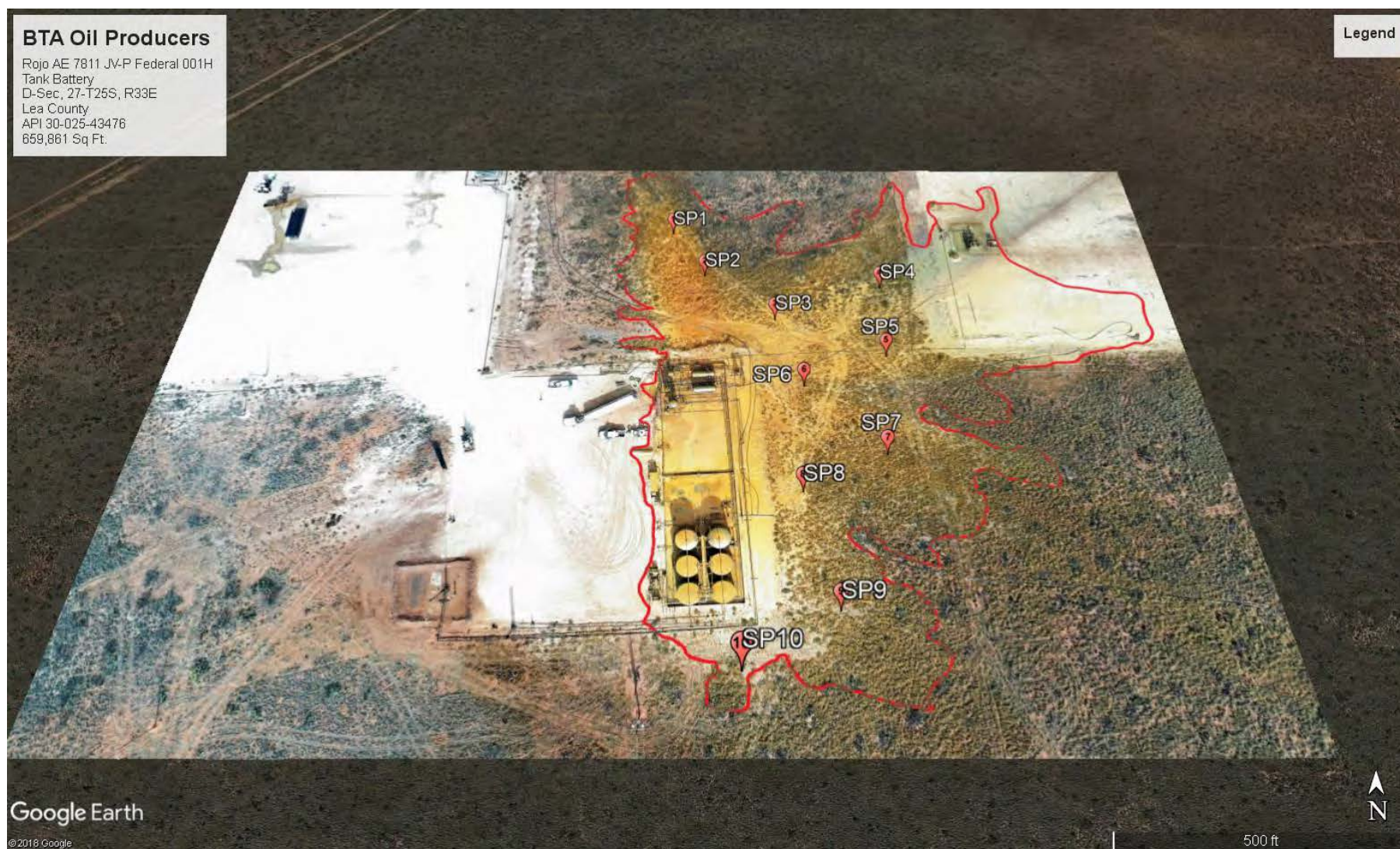
WATER COLUMN/ AVERAGE
DEPTH TO WATER

BTA OIL PRODUCERS

03/04/2019

Appendix III

Site Map



BTA OIL PRODUCERS

03/04/2019

Appendix IV

Site Photos

BTA OIL PRODUCERS

03/04/2019



Aerial View of spill



Spill Looking South



Spill Northeast View



Spill Looking Southeast



Spill Looking west



Spill looking southeast



Spill Looking west



Looking Northeast

BTA OIL PRODUCERS

03/04/2019



Clean-up



Clean-up



Clean-up



Clean-up



Clean-up

BTA OIL PRODUCERS

03/04/2019

Appendix V

Sample Table

Rojo AE Tank Battery Release - December 2, 2018

OCD Tracking #: 1RP-5295

Location	GPS Coordinates	Sample Date	Sample Depth (feet BGS)	Field Screening		Laboratory Results										
				PID Result (PPM)	Titration Result (mg/kg)	Chloride (mg/kg)	Total TPH (mg/kg)	TPH GRO + DRO (mg/kg)	BTEX (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethyl-benzene (mg/kg)	Total Xylenes (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH Ext DRO (mg/kg)
SP1		12/6/18	Surface	30.0	224											
SP1		12/6/18	1	0	174											
SP1		12/6/18	2			64.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SP2		12/6/18	Surface	30.9	274											
SP2		12/6/18	1	2.1	199											
SP2		12/6/18	2	0	249	48.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SP3		12/6/18	Surface	0	224											
SP3		12/6/18	1	25.5	124											
SP3		12/6/18	2	0	399											
SP3		12/6/18	3	0	174	48.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SP4		12/6/18	Surface	90.5	3,473											
SP4		12/6/18	1	104.5	499											
SP4		12/6/18	2	0	274											
SP4		12/6/18	3	0	199	16.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SP5		12/6/18	Surface	99.5	449											
SP5		12/6/18	1	63.9	374											
SP5		12/6/18	2	0	299											
SP5		12/6/18	3	0	249	32.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SP6		12/6/18	Surface	49.2	549											
SP6		12/6/18	1	78.2	474											
SP6		12/6/18	2	0	249											
SP6		12/6/18	3	0	199	32	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SP7		12/6/18	Surface	1345	4,273											
SP7		12/6/18	1	434.9	624											
SP7		12/6/18	2	0	999											
SP7		12/6/18	3	0	624	320	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SP8		12/6/18	Surface	227.5	2,824											
SP8		12/6/18	1	50.8	249											
SP8		12/6/18	2	3.4	224											
SP8		12/6/18	3	0	174	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SP9		12/6/18	Surface	361.8	249											
SP9		12/6/18	1	21.6	199											
SP9		12/6/18	2	0	174											
SP9		12/6/18	3	0	124	32.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Rojo AE Tank Battery Release - December 2, 2018

OCD Tracking #: 1RP-5295

Location	GPS Coordinates	Sample Date	Sample Depth (feet BGS)	Field Screening		Laboratory Results										
				PID Result (PPM)	Titration Result (mg/kg)	Chloride (mg/kg)	Total TPH (mg/kg)	TPH GRO + DRO (mg/kg)	BTEX (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH Ext DRO (mg/kg)
SP10		12/6/18	Surface	114.6	574											
SP10		12/6/18	1	13.9	424											
SP10		12/6/18	2	0	249											
SP10		12/6/18	3	0	199	32.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

NMOCD Table 1 - Closure Criteria for Soils Impacted by a Release (19.15.29.12)

Minimum Depth to GW less than 10,000 mg/l TDS

<= 50'	600	100	-	50	10
51' - 100'	10,000	2,500	1,000	50	10
>100'	20,000	2,500	1,000	50	10

Reporting Limits:

Chlorides: 16.0 mg/kg

Benzene, Toluene, Ethylbenzene: 0.050 mg/kg for each analyte

Total Xylenes: 0.150 mg/kg

Total BTEX: 0.300 mg/kg

GRO (C6 - C10), DRO (>C10 - C28), Ext DRO (>C28 - C36): 10.0 mg/kg for each analyte

BTA OIL PRODUCERS

03/04/2019

Appendix VI

Lab Data

SP-1+Z



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

January 22, 2019

BOB HALL

BTA Oil Producers

103 South Pecos

Midland, TX 79701

RE: ROJO AE #001

Enclosed are the results of analyses for samples received by the laboratory on 01/17/19 13:40.

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/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

BTA Oil Producers
BOB HALL
103 South Pecos
Midland TX, 79701
Fax To: (432) 683-0312

Received: 01/17/2019
Reported: 01/22/2019
Project Name: ROJO AE #001
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 01/17/2019
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 1 @ 2' (H900165-01)

BTX 8021B			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/21/2019	ND	2.15	108	2.00	2.09	
Toluene*	<0.050	0.050	01/21/2019	ND	2.24	112	2.00	3.71	
Ethylbenzene*	<0.050	0.050	01/21/2019	ND	2.29	115	2.00	9.35	
Total Xylenes*	<0.150	0.150	01/21/2019	ND	6.64	111	6.00	6.56	
Total BTX	<0.300	0.300	01/21/2019	ND					

Surrogate: 4-Bromofluorobenzene (PIC) 97.7 % 73.3-129

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	01/21/2019	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	01/18/2019	ND	240	120	200	0.290	
DRO >C10-C28*	<10.0	10.0	01/18/2019	ND	231	116	200	0.112	
EXT DRO >C28-C36	<10.0	10.0	01/18/2019	ND					

Surrogate: 1-Chlorooctane 92.8 % 41-142

Surrogate: 1-Chlorooctadecane 92.9 % 37.6-147

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

BTA Oil Producers
BOB HALL
103 South Pecos
Midland TX, 79701
Fax To: (432) 683-0312

Received: 01/17/2019
Reported: 01/22/2019
Project Name: ROJO AE #001
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 01/17/2019
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 2 @ 2' (H900165-02)

BTEx 8021B			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/21/2019	ND	2.15	108	2.00	2.09	
Toluene*	<0.050	0.050	01/21/2019	ND	2.24	112	2.00	3.71	
Ethylbenzene*	<0.050	0.050	01/21/2019	ND	2.29	115	2.00	9.35	
Total Xylenes*	<0.150	0.150	01/21/2019	ND	6.64	111	6.00	6.56	
Total BTEX	<0.300	0.300	01/21/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 73.3-129

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AC				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	01/21/2019	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	01/18/2019	ND	240	120	200	0.290	
DRO >C10-C28*	<10.0	10.0	01/18/2019	ND	231	116	200	0.112	
EXT DRO >C28-C36	<10.0	10.0	01/18/2019	ND					

Surrogate: 1-Chlorooctane 94.4 % 41-142

Surrogate: 1-Chlorooctadecane 92.9 % 37.6-147

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Notes and Definitions

QR-02	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
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, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: BTA oil Producers				BILL TO				ANALYSIS REQUEST																									
Project Manager: Bob Hall				P.O. #:																													
Address:				Company: BTA																													
City:		State:		Zip:		Attn: Bob Hall																											
Phone #:		Fax #:		Address:																													
Project #:		Project Owner:		City:																													
Project Name:				State:		Zip:																											
Project Location: ROJO AE #001				Phone #:																													
Sampler Name: Michael Ales				Fax #:																													
FOR LAB USE ONLY				MATRIX				PRESERV.				SAMPLING																					
Lab I.D.		Sample I.D.		(GIRAB OR (C)OMP. # CONTAINERS		GROUNDWATER		WASTEWATER		SOIL		OIL		SLUDGE		OTHER:		ACID/BASE:		ICE / COOL		OTHER:		DATE		TIME		CL		TAN		OTHER	
H9000165		SP1 @ Z'		8		1		X		X		X		X		X		X		X		X		1/17/19		10:00		X		X		X	
1		SP2 @ Z'		8		1		X		X		X		X		X		X		X		X		1/17/19		10:15		X		X		X	

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 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 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 rendered by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By:		Date: 1/17/19		Received By:		Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Phone #:	
Time: 11:40 AM		Date: 1/17/19		Received By:		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Fax #:	
Relinquished By:		Date: 1/17/19		Received By:		REMARKS:			
Time: 11:40 AM		Date: 1/17/19		Received By:		REMARKS:			
Delivered By: (Circle One)		Sample Condition		CHECKED BY:		REMARKS:			
Sampler - UPS - Bus - Other: -11.7° / #97		Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No				REMARKS:			

† Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326

Mike @ cajon - energy . com



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

December 26, 2018

MICHAEL ALVES

BTA Oil Producers

103 South Pecos

Midland, TX 79701

RE: ROJO AE #001

Enclosed are the results of analyses for samples received by the laboratory on 12/21/18 10:07.

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/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

BTA Oil Producers
 MICHAEL ALVES
 103 South Pecos
 Midland TX, 79701
 Fax To: (432) 683-0312

Received: 12/21/2018
 Reported: 12/26/2018
 Project Name: ROJO AE #001
 Project Number: NONE GIVEN
 Project Location: NOT GIVEN

Sampling Date: 12/16/2018
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP 3 @ 3' (H803756-01)

BTEx 8021B			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/21/2018	ND	1.81	90.5	2.00	4.56	
Toluene*	<0.050	0.050	12/21/2018	ND	1.80	90.0	2.00	3.92	
Ethylbenzene*	<0.050	0.050	12/21/2018	ND	1.78	88.8	2.00	4.27	
Total Xylenes*	<0.150	0.150	12/21/2018	ND	5.23	87.2	6.00	3.64	
Total BTEx	<0.300	0.300	12/21/2018	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 102 % 73.3-129

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AC				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	12/21/2018	ND	416	104	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	12/21/2018	ND	199	99.4	200	1.11	
DRO >C10-C28*	<10.0	10.0	12/21/2018	ND	221	111	200	2.44	
EXT DRO >C28-C36	<10.0	10.0	12/21/2018	ND					

Surrogate: 1-Chlorooctane 108 % 41-142

Surrogate: 1-Chlorooctadecane 110 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

BTA Oil Producers
 MICHAEL ALVES
 103 South Pecos
 Midland TX, 79701
 Fax To: (432) 683-0312

Received: 12/21/2018
 Reported: 12/26/2018
 Project Name: ROJO AE #001
 Project Number: NONE GIVEN
 Project Location: NOT GIVEN

Sampling Date: 12/16/2018
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP 4 @ 3' (H803756-02)

BTEX 8021B			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/21/2018	ND	1.81	90.5	2.00	4.56	
Toluene*	<0.050	0.050	12/21/2018	ND	1.80	90.0	2.00	3.92	
Ethylbenzene*	<0.050	0.050	12/21/2018	ND	1.78	88.8	2.00	4.27	
Total Xylenes*	<0.150	0.150	12/21/2018	ND	5.23	87.2	6.00	3.64	
Total BTEX	<0.300	0.300	12/21/2018	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 105 % 73.3-129

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AC				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	12/21/2018	ND	416	104	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	12/21/2018	ND	199	99.4	200	1.11	
DRO >C10-C28*	<10.0	10.0	12/21/2018	ND	221	111	200	2.44	
EXT DRO >C28-C36	<10.0	10.0	12/21/2018	ND					

Surrogate: 1-Chlorooctane 106 % 41-142

Surrogate: 1-Chlorooctadecane 109 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

BTA Oil Producers
 MICHAEL ALVES
 103 South Pecos
 Midland TX, 79701
 Fax To: (432) 683-0312

Received: 12/21/2018
 Reported: 12/26/2018
 Project Name: ROJO AE #001
 Project Number: NONE GIVEN
 Project Location: NOT GIVEN

Sampling Date: 12/16/2018
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP 5 @ 3' (H803756-03)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/21/2018	ND	1.81	90.5	2.00	4.56		
Toluene*	<0.050	0.050	12/21/2018	ND	1.80	90.0	2.00	3.92		
Ethylbenzene*	<0.050	0.050	12/21/2018	ND	1.78	88.8	2.00	4.27		
Total Xylenes*	<0.150	0.150	12/21/2018	ND	5.23	87.2	6.00	3.64		
Total BTEX	<0.300	0.300	12/21/2018	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.2 % 73.3-129

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	12/21/2018	ND	416	104	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	12/21/2018	ND	199	99.4	200	1.11	
DRO >C10-C28*	<10.0	10.0	12/21/2018	ND	221	111	200	2.44	
EXT DRO >C28-C36	<10.0	10.0	12/21/2018	ND					

Surrogate: 1-Chlorooctane 108 % 41-142

Surrogate: 1-Chlorooctadecane 109 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

BTA Oil Producers
 MICHAEL ALVES
 103 South Pecos
 Midland TX, 79701
 Fax To: (432) 683-0312

Received: 12/21/2018
 Reported: 12/26/2018
 Project Name: ROJO AE #001
 Project Number: NONE GIVEN
 Project Location: NOT GIVEN

Sampling Date: 12/16/2018
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP 6 @ 3' (H803756-04)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/21/2018	ND	1.81	90.5	2.00	4.56		
Toluene*	<0.050	0.050	12/21/2018	ND	1.80	90.0	2.00	3.92		
Ethylbenzene*	<0.050	0.050	12/21/2018	ND	1.78	88.8	2.00	4.27		
Total Xylenes*	<0.150	0.150	12/21/2018	ND	5.23	87.2	6.00	3.64		
Total BTEX	<0.300	0.300	12/21/2018	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.3 % 73.3-129

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	12/21/2018	ND	416	104	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	12/21/2018	ND	199	99.4	200	1.11	
DRO >C10-C28*	<10.0	10.0	12/21/2018	ND	221	111	200	2.44	
EXT DRO >C28-C36	<10.0	10.0	12/21/2018	ND					

Surrogate: 1-Chlorooctane 104 % 41-142

Surrogate: 1-Chlorooctadecane 103 % 37.6-147

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Analytical Results For:

BTA Oil Producers
 MICHAEL ALVES
 103 South Pecos
 Midland TX, 79701
 Fax To: (432) 683-0312

Received: 12/21/2018
 Reported: 12/26/2018
 Project Name: ROJO AE #001
 Project Number: NONE GIVEN
 Project Location: NOT GIVEN

Sampling Date: 12/16/2018
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP 7 @ 3' (H803756-05)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/21/2018	ND	1.81	90.5	2.00	4.56		
Toluene*	<0.050	0.050	12/21/2018	ND	1.80	90.0	2.00	3.92		
Ethylbenzene*	<0.050	0.050	12/21/2018	ND	1.78	88.8	2.00	4.27		
Total Xylenes*	<0.150	0.150	12/21/2018	ND	5.23	87.2	6.00	3.64		
Total BTEX	<0.300	0.300	12/21/2018	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.0 % 73.3-129

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	12/21/2018	ND	416	104	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	12/21/2018	ND	199	99.4	200	1.11	
DRO >C10-C28*	<10.0	10.0	12/21/2018	ND	221	111	200	2.44	
EXT DRO >C28-C36	<10.0	10.0	12/21/2018	ND					

Surrogate: 1-Chlorooctane 97.3 % 41-142

Surrogate: 1-Chlorooctadecane 96.8 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

BTA Oil Producers
 MICHAEL ALVES
 103 South Pecos
 Midland TX, 79701
 Fax To: (432) 683-0312

Received: 12/21/2018
 Reported: 12/26/2018
 Project Name: ROJO AE #001
 Project Number: NONE GIVEN
 Project Location: NOT GIVEN

Sampling Date: 12/16/2018
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP 8 @ 3' (H803756-06)

BTEX 8021B			mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/21/2018	ND	1.81	90.5	2.00	4.56		
Toluene*	<0.050	0.050	12/21/2018	ND	1.80	90.0	2.00	3.92		
Ethylbenzene*	<0.050	0.050	12/21/2018	ND	1.78	88.8	2.00	4.27		
Total Xylenes*	<0.150	0.150	12/21/2018	ND	5.23	87.2	6.00	3.64		
Total BTEX	<0.300	0.300	12/21/2018	ND						

Surrogate: 4-Bromofluorobenzene (PIL) 97.8 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	12/21/2018	ND	416	104	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	12/21/2018	ND	199	99.4	200	1.11	
DRO >C10-C28*	<10.0	10.0	12/21/2018	ND	221	111	200	2.44	
EXT DRO >C28-C36	<10.0	10.0	12/21/2018	ND					

Surrogate: 1-Chlorooctane 98.1 % 41-142

Surrogate: 1-Chlorooctadecane 95.8 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

BTA Oil Producers
 MICHAEL ALVES
 103 South Pecos
 Midland TX, 79701
 Fax To: (432) 683-0312

Received: 12/21/2018
 Reported: 12/26/2018
 Project Name: ROJO AE #001
 Project Number: NONE GIVEN
 Project Location: NOT GIVEN

Sampling Date: 12/16/2018
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP 9 @ 3' (H803756-07)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/21/2018	ND	1.81	90.5	2.00	4.56		
Toluene*	<0.050	0.050	12/21/2018	ND	1.80	90.0	2.00	3.92		
Ethylbenzene*	<0.050	0.050	12/21/2018	ND	1.78	88.8	2.00	4.27		
Total Xylenes*	<0.150	0.150	12/21/2018	ND	5.23	87.2	6.00	3.64		
Total BTEX	<0.300	0.300	12/21/2018	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.2 % 73.3-129

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	12/21/2018	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/21/2018	ND	199	99.4	200	1.11	
DRO >C10-C28*	<10.0	10.0	12/21/2018	ND	221	111	200	2.44	
EXT DRO >C28-C36	<10.0	10.0	12/21/2018	ND					

Surrogate: 1-Chlorooctane 92.6 % 41-142

Surrogate: 1-Chlorooctadecane 91.6 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

BTA Oil Producers
 MICHAEL ALVES
 103 South Pecos
 Midland TX, 79701
 Fax To: (432) 683-0312

Received: 12/21/2018
 Reported: 12/26/2018
 Project Name: ROJO AE #001
 Project Number: NONE GIVEN
 Project Location: NOT GIVEN

Sampling Date: 12/16/2018
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP 10 @ 3' (H803756-08)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/21/2018	ND	1.81	90.5	2.00	4.56		
Toluene*	<0.050	0.050	12/21/2018	ND	1.80	90.0	2.00	3.92		
Ethylbenzene*	<0.050	0.050	12/21/2018	ND	1.78	88.8	2.00	4.27		
Total Xylenes*	<0.150	0.150	12/21/2018	ND	5.23	87.2	6.00	3.64		
Total BTEX	<0.300	0.300	12/21/2018	ND						

Surrogate: 4-Bromofluorobenzene (PIB) 98.8 % 73.3-129

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	12/21/2018	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/21/2018	ND	199	99.4	200	1.11	
DRO >C10-C28*	<10.0	10.0	12/21/2018	ND	221	111	200	2.44	
EXT DRO >C28-C36	<10.0	10.0	12/21/2018	ND					

Surrogate: 1-Chlorooctane 98.2 % 41-142

Surrogate: 1-Chlorooctadecane 96.3 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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

Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: <u>BTA Oil Producers</u>				BILL TO				ANALYSIS REQUEST															
Project Manager: <u>Michael Alves</u>				P.O. #:																			
Address:				Company: <u>BTA</u>																			
City:		State:		Zip:		Attn: <u>Bryan Davis</u>																	
Phone #:		Fax #:		Address:																			
Project #:		Project Owner:		City:																			
Project Name:				State:																Zip:			
Project Location: <u>Rojo AE .001</u>				Phone #:																			
Sampler Name: <u>Michael Alves</u>				Fax #:																			
FOR LAB USE ONLY																							
Lab I.D.		Sample I.D.		GRAB OR (C)COMP		# CONTAINERS		MATRIX				PRESERV.		SAMPLING									
								GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER				ACID/BASE ICE / COOL OTHER		DATE TIME									
<u>H803756</u>																							
<u>1</u>		<u>SP-3 @ 3'</u>		<u>6</u>				<u>X</u>				<u>X</u>		<u>12/16 10:25</u>									
<u>2</u>		<u>SP-4 @ 3'</u>		<u>6</u>				<u>X</u>				<u>X</u>		<u>12/16 10:30</u>									
<u>3</u>		<u>SP-5 @ 3'</u>		<u>6</u>				<u>X</u>				<u>X</u>		<u>12/16 04:09</u>									
<u>4</u>		<u>SP-6 @ 3'</u>		<u>6</u>				<u>X</u>				<u>X</u>		<u>12/16 11:10</u>									
<u>5</u>		<u>SP-7 @ 3'</u>		<u>6</u>				<u>X</u>				<u>X</u>		<u>12/16 11:23</u>									
<u>6</u>		<u>SP-8 @ 3'</u>		<u>6</u>				<u>X</u>				<u>X</u>		<u>12/16 11:38</u>									
<u>7</u>		<u>SP-9 @ 3'</u>		<u>6</u>				<u>X</u>				<u>X</u>		<u>12/16 11:48</u>									
<u>8</u>		<u>SP-10 @ 3'</u>		<u>6</u>				<u>X</u>				<u>X</u>		<u>12/16 12:00</u>									

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 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 interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.


Relinquished By: <u>[Signature]</u>	Date: <u>12-21-2008</u>	Received By: <u>[Signature]</u>	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
	Time: <u>10:07</u>		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Relinquished By:	Date:	Received By:	REMARKS: <u>Mike@cajun-energy.com</u>	
	Time:		<u>RUSH!!</u>	
Delivered By: (Circle One)		Sample Condition	CHECKED BY: <u>[Signature]</u>	
Sampler - UPS - Bus - Other: <u>2.12/#97</u>		Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No		

† Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326



APPENDIX B

Reference Well Log

								Sample Name: BH01		Date: 1/3/2023	
								Site Name: Rojo 26 Oil Dump Valve Failure			
								Incident Number: nAPP2224256412			
								Job Number: 03C2012006			
LITHOLOGIC / SOIL SAMPLING LOG								Logged By: CS / MR		Method: Air Rotary	
Coordinates: 32.107784, -103.562235								Hole Diameter: 6"		Total Depth: 60'	
Comments: Soil boring was advanced to a total depth of 60' bgs. No water was observed within the soil boring after at least 72 hours. On 1/16/2023 the soil boring was plugged and abandoned using hydrated bentonite chips.											
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions			
						0	CCHE	(0-30'), CALICHE, coarse grain, well graded, white to tan, dry, no stain or odor.			
Dry	-	-	N	-	-	10					
Dry	-	-	N	-	-	20		@20' color change to pink/tan			
Dry	-	-	N	-	-	30	SP-SM	(30-78'), SAND, medium to fine grain, poorly graded with trace caliche nodules, red to orange, dry, no stain, no odor.			
Dry	-	-	N	-	-	40					
Dry	-	-	N	-	-	50		@50', slightly cohesive with trace clay			
Dry	-	-	N	-	-	60		NOTE: refusal @ 60' using air rotary drill rig due to abundant sand.			
Total Depth @ 60 feet bgs											



APPENDIX C

Form 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	NCH1836251271
District RP	1RP-5295
Facility ID	
Application ID	pCH1836251636

Release Notification

Responsible Party

Responsible Party	BTA Oil Producers	OGRID	260297
Contact Name	Ben Grimes	Contact Telephone	(432) 682-3753
Contact email	bgrimes@btaoil.com	Incident #	NCH1836251271 ROJO AE 7811 JV-P FED 001H @ 30-025-43476
Contact mailing address	104 S. Pecos St., Midland, TX 79701		

Location of Release Source

Latitude 32.107610 Longitude -103.56410
(NAD 83 in decimal degrees to 5 decimal places)

Site Name	Rojo AE 7811 JV-P Fed 001H (closest well)	Site Type	Tank Battery
Date Release Discovered	12/02/2018	API# (if applicable)	30-025-43476

Unit Letter	Section	Township	Range	County
D	27	25S	33E	Lea

Surface Owner: ☐ State ☒ Federal ☐ Tribal ☐ Private (Name: _____)

Nature and Volume of Release

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

<input checked="" type="checkbox"/> Crude Oil	Volume Released (bbls)	350 BBL	Volume Recovered (bbls)	200 BBL
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls)	35 BBL	Volume Recovered (bbls)	20 BBL
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
<input type="checkbox"/> Condensate	Volume Released (bbls)		Volume Recovered (bbls)	
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)		Volume Recovered (Mcf)	
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)		Volume/Weight Recovered (provide units)	

Cause of Release

A dump valve froze into a closed position on the separator, causing the vessel to pressure up and the high pressure relief valve (pop-off) to open to prevent rupture of the vessel and the incoming lines.

Form C-141

State of New Mexico
Oil Conservation Division

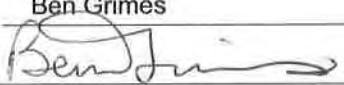
Page 2

Incident ID	
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If YES, for what reason(s) does the responsible party consider this a major release? The spill volume was greater than 25 BBL, which the NMOCD Rules define as a major release.
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? Email sent to Shelly Tucker, BLM, and Christina Hernandez, NMOCD, by Michael Alves, Cajun Energy, on 12/2/2018 at 9:02 PM.	

Initial Response

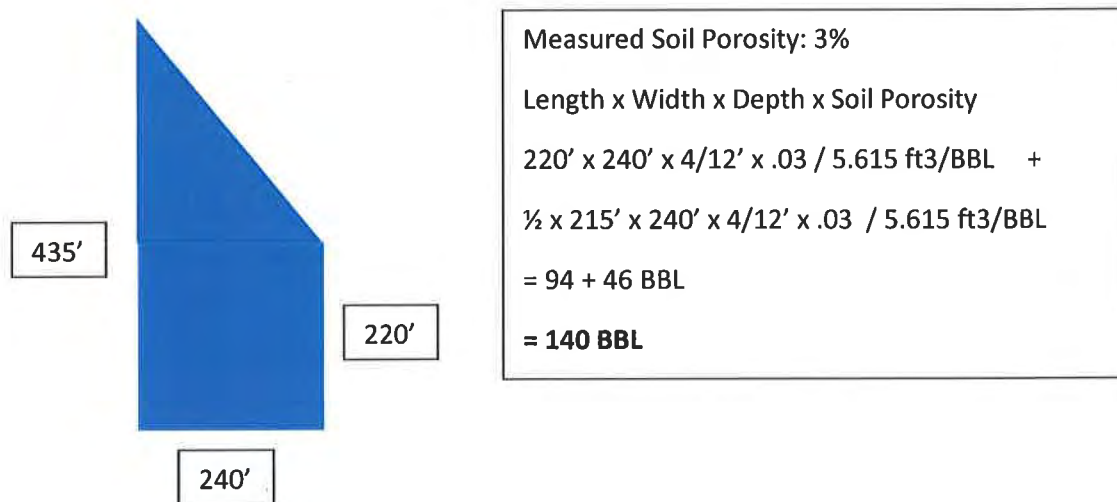
The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury

<input checked="" type="checkbox"/> The source of the release has been stopped. <input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.	
If all the actions described above have <u>not</u> been undertaken, explain why: 	
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
Printed Name: <u>Ben Grimes</u>	Title: <u>Production Manager</u>
Signature: <u></u>	Date: <u>12/4/18</u>
email: <u>bgrimes@btaoil.com</u>	Telephone: <u>(432) 682-3753</u>
<u>OCD Only</u> Received by: _____ Date: _____	

Release Notification for 12/2/2018 Incident

Calculations for Rojo AE 7811 JV-P Federal 001H (nearest well)

- The impacted area outside of the tank battery containment was calculated as follows:



- Plus: 220 BBL was contained and recovered from the tank battery secondary containment area.
- Plus: Estimated 25 BBL fluid remains inside secondary containment spread across the top of the tanks, vessels and piping.

Total volume reported: 385 BBL

At 10% Water Cut, Volumes in this Release Notification estimate are:

Crude Oil: 350 BBL

Produced Water: 35 BBL

Incident ID	NCH1836251271
District RP	1RP-5295
Facility ID	
Application ID	pCH1836251636

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?	>60 _____ (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas not on an exploration, development, production, or storage site?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.

Characterization Report Checklist: *Each of the following items must be included in the report.*

- ☒ Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- ☒ Field data
- ☒ Data table of soil contaminant concentration data
- ☒ Depth to water determination
- ☒ Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
- ☒ Boring or excavation logs
- ☒ Photographs including date and GIS information
- ☒ Topographic/Aerial maps
- ☒ Laboratory data including chain of custody

If the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation plan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan and methods, anticipated timelines for beginning and completing the remediation. The closure criteria for a release are contained in Table 1 of 19.15.29.12 NMAC, however, use of the table is modified by site- and release-specific parameters.

Form C-141

State of New Mexico
Oil Conservation Division

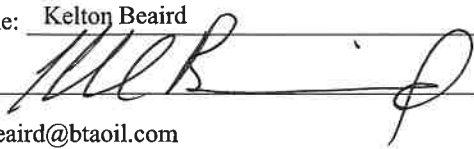
Page 4

Incident ID	NCH1836251271
District RP	1RP-5295
Facility ID	
Application ID	pCH1836251636

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: Kelton Beaird

Title: Environmental Manater

Signature: 

Date: 6-6-23

email: kbeaird@btaoil.com

Telephone: 432-312-2203

OCD Only

Received by: Jocelyn Harimon

Date: 06/08/2023

Form C-141

Page 5

State of New Mexico
Oil Conservation Division

Incident ID	NCH1836251271
District RP	1RP-5295
Facility ID	
Application ID	pCH1836251636

Remediation Plan

Remediation Plan Checklist: Each of the following items must be included in the plan.

- ☒ Detailed description of proposed remediation technique
- ☒ Scaled sitemap with GPS coordinates showing delineation points
- ☐ Estimated volume of material to be remediated
- ☒ Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC
- ☒ Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)

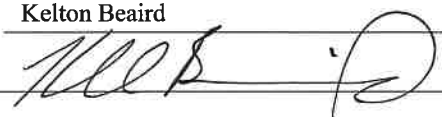
Deferral Requests Only: Each of the following items must be confirmed as part of any request for deferral of remediation.

- ☐ Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.
- ☐ Extents of contamination must be fully delineated.
- ☐ Contamination does not cause an imminent risk to human health, the environment, or groundwater.

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: Kelton Beaird

Title: Environmental Manager

Signature: 

Date: 6-6-23

email: kbeaird@btaoil.com

Telephone: 432-312-2203

OCD Only

Received by: Jocelyn Harimon

Date: 06/8/2023

☐ Approved☒ Approved with Attached Conditions of Approval☐ Denied☐ Deferral ApprovedSignature: 

Date: 06/22/2023

Variance request to sample every 700 square feet is denied. OCD approves a sampling variance of collecting samples every 500 square feet, this includes sidewall and base samples.

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 225618

CONDITIONS

Operator: BTA OIL PRODUCERS, LLC 104 S Pecos Midland, TX 79701	OGRID: 260297
	Action Number: 225618
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
amaxwell	Work plan approved with conditions for sampling.	6/22/2023
amaxwell	Variance request to sample every 700 square feet is denied.	6/22/2023
amaxwell	OCD approves a sampling variance of collecting samples every 500 square feet, this includes sidewall and base samples.	6/22/2023
amaxwell	Submit a closure report via the OCD permitting portal by October 27, 2023.	6/22/2023



APPENDIX B

Photographic Log

**Photographic Log**

BTA Oil Producers
Rojo AE 7811 JV-P Fed 001H
Lea County, New Mexico



Photograph: 1 Date: 3/4/2019
Description: Initial release extent
View: Aerial



Photograph: 2 Date: 1/27/2020
Description: Original excavation extent
View: West



Photograph: 3 Date: 8/15/2023
Description: Sampling activities
View: Southwest



Photograph: 4 Date: 8/21/2023
Description: Sampling Activities
View: Northwest



APPENDIX C

Laboratory Analytical Reports & Chain of Custody Documentation



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

August 23, 2023

HADLIE GREEN
ENSOLUM, LLC
705 W WADLEY AVE.
MIDLAND, TX 79705

RE: ROJO AE 7811 JV-P FED 001H

Enclosed are the results of analyses for samples received by the laboratory on 08/17/23 14:10.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene
Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/17/2023
 Reported: 08/23/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/14/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 01 1' (H234470-01)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/19/2023	ND	2.06	103	2.00	1.72	
Toluene*	<0.050	0.050	08/19/2023	ND	1.99	99.3	2.00	1.35	
Ethylbenzene*	<0.050	0.050	08/19/2023	ND	2.01	100	2.00	0.508	
Total Xylenes*	<0.150	0.150	08/19/2023	ND	6.02	100	6.00	1.18	
Total BTX	<0.300	0.300	08/19/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.8 % 71.5-134

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	08/18/2023	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	08/18/2023	ND	214	107	200	9.30	
DRO >C10-C28*	<10.0	10.0	08/18/2023	ND	242	121	200	10.4	
EXT DRO >C28-C36	<10.0	10.0	08/18/2023	ND					

Surrogate: 1-Chlorooctane 117 % 48.2-134

Surrogate: 1-Chlorooctadecane 130 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/17/2023
 Reported: 08/23/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/14/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 02 1' (H234470-02)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/19/2023	ND	2.06	103	2.00	1.72	
Toluene*	<0.050	0.050	08/19/2023	ND	1.99	99.3	2.00	1.35	
Ethylbenzene*	<0.050	0.050	08/19/2023	ND	2.01	100	2.00	0.508	
Total Xylenes*	<0.150	0.150	08/19/2023	ND	6.02	100	6.00	1.18	
Total BTEX	<0.300	0.300	08/19/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.5 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	08/18/2023	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	08/18/2023	ND	214	107	200	9.30	
DRO >C10-C28*	<10.0	10.0	08/18/2023	ND	242	121	200	10.4	
EXT DRO >C28-C36	<10.0	10.0	08/18/2023	ND					

Surrogate: 1-Chlorooctane 114 % 48.2-134

Surrogate: 1-Chlorooctadecane 127 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/17/2023
 Reported: 08/23/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/14/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 03 1' (H234470-03)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/19/2023	ND	2.06	103	2.00	1.72		
Toluene*	<0.050	0.050	08/19/2023	ND	1.99	99.3	2.00	1.35		
Ethylbenzene*	<0.050	0.050	08/19/2023	ND	2.01	100	2.00	0.508		
Total Xylenes*	<0.150	0.150	08/19/2023	ND	6.02	100	6.00	1.18		
Total BTEX	<0.300	0.300	08/19/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.9 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/18/2023	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	08/18/2023	ND	214	107	200	9.30	
DRO >C10-C28*	<10.0	10.0	08/18/2023	ND	242	121	200	10.4	
EXT DRO >C28-C36	<10.0	10.0	08/18/2023	ND					

Surrogate: 1-Chlorooctane 107 % 48.2-134

Surrogate: 1-Chlorooctadecane 120 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/17/2023
 Reported: 08/23/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/14/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 04 1' (H234470-04)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/19/2023	ND	2.06	103	2.00	1.72	
Toluene*	<0.050	0.050	08/19/2023	ND	1.99	99.3	2.00	1.35	
Ethylbenzene*	<0.050	0.050	08/19/2023	ND	2.01	100	2.00	0.508	
Total Xylenes*	<0.150	0.150	08/19/2023	ND	6.02	100	6.00	1.18	
Total BTEX	<0.300	0.300	08/19/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.2 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/18/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/18/2023	ND	214	107	200	9.30	
DRO >C10-C28*	<10.0	10.0	08/18/2023	ND	242	121	200	10.4	
EXT DRO >C28-C36	<10.0	10.0	08/18/2023	ND					

Surrogate: 1-Chlorooctane 114 % 48.2-134

Surrogate: 1-Chlorooctadecane 131 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/17/2023
 Reported: 08/23/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/14/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 05 1' (H234470-05)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/19/2023	ND	2.06	103	2.00	1.72	
Toluene*	<0.050	0.050	08/19/2023	ND	1.99	99.3	2.00	1.35	
Ethylbenzene*	<0.050	0.050	08/19/2023	ND	2.01	100	2.00	0.508	
Total Xylenes*	<0.150	0.150	08/19/2023	ND	6.02	100	6.00	1.18	
Total BTEX	<0.300	0.300	08/19/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/18/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/18/2023	ND	214	107	200	9.30	
DRO >C10-C28*	1100	10.0	08/18/2023	ND	242	121	200	10.4	
EXT DRO >C28-C36	<10.0	10.0	08/18/2023	ND					

Surrogate: 1-Chlorooctane 125 % 48.2-134

Surrogate: 1-Chlorooctadecane 156 % 49.1-148

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Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/17/2023
 Reported: 08/23/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/14/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 06 1' (H234470-06)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/19/2023	ND	2.06	103	2.00	1.72	
Toluene*	<0.050	0.050	08/19/2023	ND	1.99	99.3	2.00	1.35	
Ethylbenzene*	<0.050	0.050	08/19/2023	ND	2.01	100	2.00	0.508	
Total Xylenes*	<0.150	0.150	08/19/2023	ND	6.02	100	6.00	1.18	
Total BTEx	<0.300	0.300	08/19/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/18/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/18/2023	ND	214	107	200	9.30	
DRO >C10-C28*	<10.0	10.0	08/18/2023	ND	242	121	200	10.4	
EXT DRO >C28-C36	<10.0	10.0	08/18/2023	ND					

Surrogate: 1-Chlorooctane 114 % 48.2-134

Surrogate: 1-Chlorooctadecane 128 % 49.1-148

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Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/17/2023
 Reported: 08/23/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/14/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 07 1' (H234470-07)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/19/2023	ND	2.06	103	2.00	1.72	
Toluene*	<0.050	0.050	08/19/2023	ND	1.99	99.3	2.00	1.35	
Ethylbenzene*	<0.050	0.050	08/19/2023	ND	2.01	100	2.00	0.508	
Total Xylenes*	<0.150	0.150	08/19/2023	ND	6.02	100	6.00	1.18	
Total BTEX	<0.300	0.300	08/19/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	08/18/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/18/2023	ND	214	107	200	9.30	
DRO >C10-C28*	<10.0	10.0	08/18/2023	ND	242	121	200	10.4	
EXT DRO >C28-C36	<10.0	10.0	08/18/2023	ND					

Surrogate: 1-Chlorooctane 118 % 48.2-134

Surrogate: 1-Chlorooctadecane 132 % 49.1-148

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Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/17/2023
 Reported: 08/23/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/14/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 08 1' (H234470-08)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/19/2023	ND	2.06	103	2.00	1.72	
Toluene*	<0.050	0.050	08/19/2023	ND	1.99	99.3	2.00	1.35	
Ethylbenzene*	<0.050	0.050	08/19/2023	ND	2.01	100	2.00	0.508	
Total Xylenes*	<0.150	0.150	08/19/2023	ND	6.02	100	6.00	1.18	
Total BTEX	<0.300	0.300	08/19/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/18/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/18/2023	ND	214	107	200	9.30	
DRO >C10-C28*	<10.0	10.0	08/18/2023	ND	242	121	200	10.4	
EXT DRO >C28-C36	<10.0	10.0	08/18/2023	ND					

Surrogate: 1-Chlorooctane 119 % 48.2-134

Surrogate: 1-Chlorooctadecane 134 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/17/2023
 Reported: 08/23/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/14/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 09 1' (H234470-09)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/19/2023	ND	2.06	103	2.00	1.72	
Toluene*	<0.050	0.050	08/19/2023	ND	1.99	99.3	2.00	1.35	
Ethylbenzene*	<0.050	0.050	08/19/2023	ND	2.01	100	2.00	0.508	
Total Xylenes*	<0.150	0.150	08/19/2023	ND	6.02	100	6.00	1.18	
Total BTEX	<0.300	0.300	08/19/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/18/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/18/2023	ND	214	107	200	9.30	
DRO >C10-C28*	<10.0	10.0	08/18/2023	ND	242	121	200	10.4	
EXT DRO >C28-C36	<10.0	10.0	08/18/2023	ND					

Surrogate: 1-Chlorooctane 113 % 48.2-134

Surrogate: 1-Chlorooctadecane 127 % 49.1-148

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Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/17/2023
 Reported: 08/23/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/14/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 10 1' (H234470-10)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/19/2023	ND	2.00	99.9	2.00	5.99	
Toluene*	<0.050	0.050	08/19/2023	ND	1.94	96.8	2.00	9.76	
Ethylbenzene*	<0.050	0.050	08/19/2023	ND	1.94	96.9	2.00	4.02	
Total Xylenes*	<0.150	0.150	08/19/2023	ND	5.81	96.8	6.00	4.18	
Total BTEX	<0.300	0.300	08/19/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.0 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/18/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/18/2023	ND	214	107	200	9.30	
DRO >C10-C28*	<10.0	10.0	08/18/2023	ND	242	121	200	10.4	
EXT DRO >C28-C36	<10.0	10.0	08/18/2023	ND					

Surrogate: 1-Chlorooctane 127 % 48.2-134

Surrogate: 1-Chlorooctadecane 142 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/17/2023
 Reported: 08/23/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/14/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 11 1' (H234470-11)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/19/2023	ND	2.00	99.9	2.00	5.99	
Toluene*	<0.050	0.050	08/19/2023	ND	1.94	96.8	2.00	9.76	
Ethylbenzene*	<0.050	0.050	08/19/2023	ND	1.94	96.9	2.00	4.02	
Total Xylenes*	<0.150	0.150	08/19/2023	ND	5.81	96.8	6.00	4.18	
Total BTX	<0.300	0.300	08/19/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.0 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/18/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/18/2023	ND	214	107	200	9.30	
DRO >C10-C28*	<10.0	10.0	08/18/2023	ND	242	121	200	10.4	
EXT DRO >C28-C36	<10.0	10.0	08/18/2023	ND					

Surrogate: 1-Chlorooctane 113 % 48.2-134

Surrogate: 1-Chlorooctadecane 126 % 49.1-148

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Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/17/2023
 Reported: 08/23/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/14/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 12 1' (H234470-12)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/19/2023	ND	2.00	99.9	2.00	5.99	
Toluene*	<0.050	0.050	08/19/2023	ND	1.94	96.8	2.00	9.76	
Ethylbenzene*	<0.050	0.050	08/19/2023	ND	1.94	96.9	2.00	4.02	
Total Xylenes*	<0.150	0.150	08/19/2023	ND	5.81	96.8	6.00	4.18	
Total BTX	<0.300	0.300	08/19/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.6 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/18/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/18/2023	ND	214	107	200	9.30	
DRO >C10-C28*	<10.0	10.0	08/18/2023	ND	242	121	200	10.4	
EXT DRO >C28-C36	<10.0	10.0	08/18/2023	ND					

Surrogate: 1-Chlorooctane 113 % 48.2-134

Surrogate: 1-Chlorooctadecane 127 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/17/2023
 Reported: 08/23/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/14/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 13 1' (H234470-13)

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/19/2023	ND	2.00	99.9	2.00	5.99		
Toluene*	<0.050	0.050	08/19/2023	ND	1.94	96.8	2.00	9.76		
Ethylbenzene*	<0.050	0.050	08/19/2023	ND	1.94	96.9	2.00	4.02		
Total Xylenes*	<0.150	0.150	08/19/2023	ND	5.81	96.8	6.00	4.18		
Total BTX	<0.300	0.300	08/19/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.7 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	08/18/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/18/2023	ND	214	107	200	9.30	
DRO >C10-C28*	<10.0	10.0	08/18/2023	ND	242	121	200	10.4	
EXT DRO >C28-C36	<10.0	10.0	08/18/2023	ND					

Surrogate: 1-Chlorooctane 116 % 48.2-134

Surrogate: 1-Chlorooctadecane 132 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/17/2023
 Reported: 08/23/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/15/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 14 1' (H234470-14)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/19/2023	ND	2.00	99.9	2.00	5.99	
Toluene*	<0.050	0.050	08/19/2023	ND	1.94	96.8	2.00	9.76	
Ethylbenzene*	<0.050	0.050	08/19/2023	ND	1.94	96.9	2.00	4.02	
Total Xylenes*	<0.150	0.150	08/19/2023	ND	5.81	96.8	6.00	4.18	
Total BTEX	<0.300	0.300	08/19/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.5 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/18/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/18/2023	ND	214	107	200	9.30	
DRO >C10-C28*	<10.0	10.0	08/18/2023	ND	242	121	200	10.4	
EXT DRO >C28-C36	<10.0	10.0	08/18/2023	ND					

Surrogate: 1-Chlorooctane 119 % 48.2-134

Surrogate: 1-Chlorooctadecane 132 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/17/2023
 Reported: 08/23/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/15/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 15 1' (H234470-15)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/19/2023	ND	2.00	99.9	2.00	5.99		
Toluene*	<0.050	0.050	08/19/2023	ND	1.94	96.8	2.00	9.76		
Ethylbenzene*	<0.050	0.050	08/19/2023	ND	1.94	96.9	2.00	4.02		
Total Xylenes*	<0.150	0.150	08/19/2023	ND	5.81	96.8	6.00	4.18		
Total BTEX	<0.300	0.300	08/19/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.7 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	08/18/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/18/2023	ND	214	107	200	9.30	
DRO >C10-C28*	<10.0	10.0	08/18/2023	ND	242	121	200	10.4	
EXT DRO >C28-C36	<10.0	10.0	08/18/2023	ND					

Surrogate: 1-Chlorooctane 112 % 48.2-134

Surrogate: 1-Chlorooctadecane 126 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/17/2023
 Reported: 08/23/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/15/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 16 1' (H234470-16)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/19/2023	ND	2.00	99.9	2.00	5.99	
Toluene*	<0.050	0.050	08/19/2023	ND	1.94	96.8	2.00	9.76	
Ethylbenzene*	<0.050	0.050	08/19/2023	ND	1.94	96.9	2.00	4.02	
Total Xylenes*	<0.150	0.150	08/19/2023	ND	5.81	96.8	6.00	4.18	
Total BTX	<0.300	0.300	08/19/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.1 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/18/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/18/2023	ND	214	107	200	9.30	
DRO >C10-C28*	<10.0	10.0	08/18/2023	ND	242	121	200	10.4	
EXT DRO >C28-C36	<10.0	10.0	08/18/2023	ND					

Surrogate: 1-Chlorooctane 114 % 48.2-134

Surrogate: 1-Chlorooctadecane 128 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/17/2023
 Reported: 08/23/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/15/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 17 1' (H234470-17)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/19/2023	ND	2.00	99.9	2.00	5.99	
Toluene*	<0.050	0.050	08/19/2023	ND	1.94	96.8	2.00	9.76	
Ethylbenzene*	<0.050	0.050	08/19/2023	ND	1.94	96.9	2.00	4.02	
Total Xylenes*	<0.150	0.150	08/19/2023	ND	5.81	96.8	6.00	4.18	
Total BTEX	<0.300	0.300	08/19/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.8 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/18/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/18/2023	ND	207	104	200	0.648	
DRO >C10-C28*	<10.0	10.0	08/18/2023	ND	212	106	200	1.03	
EXT DRO >C28-C36	<10.0	10.0	08/18/2023	ND					

Surrogate: 1-Chlorooctane 90.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/17/2023
 Reported: 08/23/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/15/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 18 1' (H234470-18)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/19/2023	ND	2.00	99.9	2.00	5.99	
Toluene*	<0.050	0.050	08/19/2023	ND	1.94	96.8	2.00	9.76	
Ethylbenzene*	<0.050	0.050	08/19/2023	ND	1.94	96.9	2.00	4.02	
Total Xylenes*	<0.150	0.150	08/19/2023	ND	5.81	96.8	6.00	4.18	
Total BTX	<0.300	0.300	08/19/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.0 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/18/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/18/2023	ND	207	104	200	0.648	
DRO >C10-C28*	<10.0	10.0	08/18/2023	ND	212	106	200	1.03	
EXT DRO >C28-C36	<10.0	10.0	08/18/2023	ND					

Surrogate: 1-Chlorooctane 99.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/17/2023
 Reported: 08/23/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/15/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 19 1' (H234470-19)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/19/2023	ND	2.00	99.9	2.00	5.99		
Toluene*	<0.050	0.050	08/19/2023	ND	1.94	96.8	2.00	9.76		
Ethylbenzene*	<0.050	0.050	08/19/2023	ND	1.94	96.9	2.00	4.02		
Total Xylenes*	<0.150	0.150	08/19/2023	ND	5.81	96.8	6.00	4.18		
Total BTEX	<0.300	0.300	08/19/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.0 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/18/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/18/2023	ND	207	104	200	0.648	
DRO >C10-C28*	<10.0	10.0	08/18/2023	ND	212	106	200	1.03	
EXT DRO >C28-C36	<10.0	10.0	08/18/2023	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/17/2023
 Reported: 08/23/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/15/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 20 1' (H234470-20)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/19/2023	ND	2.00	99.9	2.00	5.99	
Toluene*	<0.050	0.050	08/19/2023	ND	1.94	96.8	2.00	9.76	
Ethylbenzene*	<0.050	0.050	08/19/2023	ND	1.94	96.9	2.00	4.02	
Total Xylenes*	<0.150	0.150	08/19/2023	ND	5.81	96.8	6.00	4.18	
Total BTEX	<0.300	0.300	08/19/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.6 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	08/18/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/18/2023	ND	207	104	200	0.648	
DRO >C10-C28*	<10.0	10.0	08/18/2023	ND	212	106	200	1.03	
EXT DRO >C28-C36	<10.0	10.0	08/18/2023	ND					

Surrogate: 1-Chlorooctane 94.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 100 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/17/2023
 Reported: 08/23/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/15/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 21 1' (H234470-21)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/21/2023	ND	2.00	99.9	2.00	5.99	
Toluene*	<0.050	0.050	08/21/2023	ND	1.94	96.8	2.00	9.76	
Ethylbenzene*	<0.050	0.050	08/21/2023	ND	1.94	96.9	2.00	4.02	
Total Xylenes*	<0.150	0.150	08/21/2023	ND	5.81	96.8	6.00	4.18	
Total BTEX	<0.300	0.300	08/21/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/18/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/18/2023	ND	207	104	200	0.648	
DRO >C10-C28*	<10.0	10.0	08/18/2023	ND	212	106	200	1.03	
EXT DRO >C28-C36	<10.0	10.0	08/18/2023	ND					

Surrogate: 1-Chlorooctane 94.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 100 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/17/2023
 Reported: 08/23/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/15/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 22 1' (H234470-22)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/21/2023	ND	2.00	99.9	2.00	5.99	
Toluene*	<0.050	0.050	08/21/2023	ND	1.94	96.8	2.00	9.76	
Ethylbenzene*	<0.050	0.050	08/21/2023	ND	1.94	96.9	2.00	4.02	
Total Xylenes*	<0.150	0.150	08/21/2023	ND	5.81	96.8	6.00	4.18	
Total BTEX	<0.300	0.300	08/21/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/18/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/18/2023	ND	207	104	200	0.648	
DRO >C10-C28*	<10.0	10.0	08/18/2023	ND	212	106	200	1.03	
EXT DRO >C28-C36	<10.0	10.0	08/18/2023	ND					

Surrogate: 1-Chlorooctane 95.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/17/2023
 Reported: 08/23/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/15/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 23 1' (H234470-23)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/21/2023	ND	2.00	99.9	2.00	5.99	
Toluene*	<0.050	0.050	08/21/2023	ND	1.94	96.8	2.00	9.76	
Ethylbenzene*	<0.050	0.050	08/21/2023	ND	1.94	96.9	2.00	4.02	
Total Xylenes*	<0.150	0.150	08/21/2023	ND	5.81	96.8	6.00	4.18	
Total BTEX	<0.300	0.300	08/21/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/18/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/18/2023	ND	207	104	200	0.648	
DRO >C10-C28*	<10.0	10.0	08/18/2023	ND	212	106	200	1.03	
EXT DRO >C28-C36	<10.0	10.0	08/18/2023	ND					

Surrogate: 1-Chlorooctane 91.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/17/2023
 Reported: 08/23/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/15/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 24 1' (H234470-24)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/21/2023	ND	2.00	99.9	2.00	5.99	
Toluene*	<0.050	0.050	08/21/2023	ND	1.94	96.8	2.00	9.76	
Ethylbenzene*	<0.050	0.050	08/21/2023	ND	1.94	96.9	2.00	4.02	
Total Xylenes*	<0.150	0.150	08/21/2023	ND	5.81	96.8	6.00	4.18	
Total BTEX	<0.300	0.300	08/21/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/18/2023	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	08/18/2023	ND	207	104	200	0.648	
DRO >C10-C28*	<10.0	10.0	08/18/2023	ND	212	106	200	1.03	
EXT DRO >C28-C36	<10.0	10.0	08/18/2023	ND					

Surrogate: 1-Chlorooctane 95.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/17/2023
 Reported: 08/23/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/15/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 25 1' (H234470-25)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/21/2023	ND	2.00	99.9	2.00	5.99	
Toluene*	<0.050	0.050	08/21/2023	ND	1.94	96.8	2.00	9.76	
Ethylbenzene*	<0.050	0.050	08/21/2023	ND	1.94	96.9	2.00	4.02	
Total Xylenes*	<0.150	0.150	08/21/2023	ND	5.81	96.8	6.00	4.18	
Total BTEX	<0.300	0.300	08/21/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

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	08/18/2023	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	08/18/2023	ND	207	104	200	0.648	
DRO >C10-C28*	<10.0	10.0	08/18/2023	ND	212	106	200	1.03	
EXT DRO >C28-C36	<10.0	10.0	08/18/2023	ND					

Surrogate: 1-Chlorooctane 92.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/17/2023
 Reported: 08/23/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/15/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 26 1' (H234470-26)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/21/2023	ND	2.00	99.9	2.00	5.99		
Toluene*	<0.050	0.050	08/21/2023	ND	1.94	96.8	2.00	9.76		
Ethylbenzene*	<0.050	0.050	08/21/2023	ND	1.94	96.9	2.00	4.02		
Total Xylenes*	<0.150	0.150	08/21/2023	ND	5.81	96.8	6.00	4.18		
Total BTEx	<0.300	0.300	08/21/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	08/18/2023	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	08/18/2023	ND	207	104	200	0.648	
DRO >C10-C28*	<10.0	10.0	08/18/2023	ND	212	106	200	1.03	
EXT DRO >C28-C36	<10.0	10.0	08/18/2023	ND					

Surrogate: 1-Chlorooctane 94.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/17/2023
 Reported: 08/23/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/15/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 27 1' (H234470-27)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/21/2023	ND	2.00	99.9	2.00	5.99	
Toluene*	<0.050	0.050	08/21/2023	ND	1.94	96.8	2.00	9.76	
Ethylbenzene*	<0.050	0.050	08/21/2023	ND	1.94	96.9	2.00	4.02	
Total Xylenes*	<0.150	0.150	08/21/2023	ND	5.81	96.8	6.00	4.18	
Total BTEX	<0.300	0.300	08/21/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

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	08/18/2023	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	08/18/2023	ND	207	104	200	0.648	
DRO >C10-C28*	<10.0	10.0	08/18/2023	ND	212	106	200	1.03	
EXT DRO >C28-C36	<10.0	10.0	08/18/2023	ND					

Surrogate: 1-Chlorooctane 80.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/17/2023
 Reported: 08/23/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/15/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 28 1' (H234470-28)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/21/2023	ND	2.00	99.9	2.00	5.99	
Toluene*	<0.050	0.050	08/21/2023	ND	1.94	96.8	2.00	9.76	
Ethylbenzene*	<0.050	0.050	08/21/2023	ND	1.94	96.9	2.00	4.02	
Total Xylenes*	<0.150	0.150	08/21/2023	ND	5.81	96.8	6.00	4.18	
Total BTEX	<0.300	0.300	08/21/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	08/18/2023	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	08/18/2023	ND	207	104	200	0.648	
DRO >C10-C28*	<10.0	10.0	08/18/2023	ND	212	106	200	1.03	
EXT DRO >C28-C36	<10.0	10.0	08/18/2023	ND					

Surrogate: 1-Chlorooctane 87.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/17/2023
 Reported: 08/23/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/15/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 29 1' (H234470-29)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/21/2023	ND	2.00	99.9	2.00	5.99		
Toluene*	<0.050	0.050	08/21/2023	ND	1.94	96.8	2.00	9.76		
Ethylbenzene*	<0.050	0.050	08/21/2023	ND	1.94	96.9	2.00	4.02		
Total Xylenes*	<0.150	0.150	08/21/2023	ND	5.81	96.8	6.00	4.18		
Total BTEX	<0.300	0.300	08/21/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/18/2023	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	08/18/2023	ND	207	104	200	0.648	
DRO >C10-C28*	<10.0	10.0	08/18/2023	ND	212	106	200	1.03	
EXT DRO >C28-C36	<10.0	10.0	08/18/2023	ND					

Surrogate: 1-Chlorooctane 81.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/17/2023
 Reported: 08/23/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/15/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 30 1' (H234470-30)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/20/2023	ND	1.97	98.4	2.00	0.812		
Toluene*	<0.050	0.050	08/20/2023	ND	2.05	102	2.00	5.74		
Ethylbenzene*	<0.050	0.050	08/20/2023	ND	2.06	103	2.00	7.28		
Total Xylenes*	<0.150	0.150	08/20/2023	ND	6.24	104	6.00	5.76		
Total BTEX	<0.300	0.300	08/20/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/18/2023	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	08/18/2023	ND	207	104	200	0.648	
DRO >C10-C28*	<10.0	10.0	08/18/2023	ND	212	106	200	1.03	
EXT DRO >C28-C36	<10.0	10.0	08/18/2023	ND					

Surrogate: 1-Chlorooctane 79.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/17/2023
 Reported: 08/23/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/15/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 31 1' (H234470-31)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/20/2023	ND	1.97	98.4	2.00	0.812		
Toluene*	<0.050	0.050	08/20/2023	ND	2.05	102	2.00	5.74		
Ethylbenzene*	<0.050	0.050	08/20/2023	ND	2.06	103	2.00	7.28		
Total Xylenes*	<0.150	0.150	08/20/2023	ND	6.24	104	6.00	5.76		
Total BTEX	<0.300	0.300	08/20/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/18/2023	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	08/18/2023	ND	207	104	200	0.648	
DRO >C10-C28*	<10.0	10.0	08/18/2023	ND	212	106	200	1.03	
EXT DRO >C28-C36	<10.0	10.0	08/18/2023	ND					

Surrogate: 1-Chlorooctane 87.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/17/2023
 Reported: 08/23/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/15/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 32 1' (H234470-32)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/20/2023	ND	1.97	98.4	2.00	0.812		
Toluene*	<0.050	0.050	08/20/2023	ND	2.05	102	2.00	5.74		
Ethylbenzene*	<0.050	0.050	08/20/2023	ND	2.06	103	2.00	7.28		
Total Xylenes*	<0.150	0.150	08/20/2023	ND	6.24	104	6.00	5.76		
Total BTEx	<0.300	0.300	08/20/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/18/2023	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	08/18/2023	ND	207	104	200	0.648	
DRO >C10-C28*	<10.0	10.0	08/18/2023	ND	212	106	200	1.03	
EXT DRO >C28-C36	<10.0	10.0	08/18/2023	ND					

Surrogate: 1-Chlorooctane 84.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/17/2023
 Reported: 08/23/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/15/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 33 1' (H234470-33)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/20/2023	ND	1.97	98.4	2.00	0.812		
Toluene*	<0.050	0.050	08/20/2023	ND	2.05	102	2.00	5.74		
Ethylbenzene*	<0.050	0.050	08/20/2023	ND	2.06	103	2.00	7.28		
Total Xylenes*	<0.150	0.150	08/20/2023	ND	6.24	104	6.00	5.76		
Total BTEx	<0.300	0.300	08/20/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	08/18/2023	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	08/18/2023	ND	207	104	200	0.648	
DRO >C10-C28*	<10.0	10.0	08/18/2023	ND	212	106	200	1.03	
EXT DRO >C28-C36	<10.0	10.0	08/18/2023	ND					

Surrogate: 1-Chlorooctane 78.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/17/2023
 Reported: 08/23/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/15/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 34 1' (H234470-34)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/20/2023	ND	1.97	98.4	2.00	0.812		
Toluene*	<0.050	0.050	08/20/2023	ND	2.05	102	2.00	5.74		
Ethylbenzene*	<0.050	0.050	08/20/2023	ND	2.06	103	2.00	7.28		
Total Xylenes*	<0.150	0.150	08/20/2023	ND	6.24	104	6.00	5.76		
Total BTEx	<0.300	0.300	08/20/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	08/18/2023	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	08/18/2023	ND	207	104	200	0.648	
DRO >C10-C28*	<10.0	10.0	08/18/2023	ND	212	106	200	1.03	
EXT DRO >C28-C36	<10.0	10.0	08/18/2023	ND					

Surrogate: 1-Chlorooctane 82.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/17/2023
 Reported: 08/23/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/15/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 35 1' (H234470-35)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/20/2023	ND	1.97	98.4	2.00	0.812		
Toluene*	<0.050	0.050	08/20/2023	ND	2.05	102	2.00	5.74		
Ethylbenzene*	<0.050	0.050	08/20/2023	ND	2.06	103	2.00	7.28		
Total Xylenes*	<0.150	0.150	08/20/2023	ND	6.24	104	6.00	5.76		
Total BTEx	<0.300	0.300	08/20/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.2 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/18/2023	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	08/18/2023	ND	207	104	200	0.648	
DRO >C10-C28*	<10.0	10.0	08/18/2023	ND	212	106	200	1.03	
EXT DRO >C28-C36	<10.0	10.0	08/18/2023	ND					

Surrogate: 1-Chlorooctane 79.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/17/2023
 Reported: 08/23/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/15/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 36 1' (H234470-36)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/20/2023	ND	1.97	98.4	2.00	0.812		
Toluene*	<0.050	0.050	08/20/2023	ND	2.05	102	2.00	5.74		
Ethylbenzene*	<0.050	0.050	08/20/2023	ND	2.06	103	2.00	7.28		
Total Xylenes*	<0.150	0.150	08/20/2023	ND	6.24	104	6.00	5.76		
Total BTEx	<0.300	0.300	08/20/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/18/2023	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	08/18/2023	ND	207	104	200	0.648	
DRO >C10-C28*	<10.0	10.0	08/18/2023	ND	212	106	200	1.03	
EXT DRO >C28-C36	<10.0	10.0	08/18/2023	ND					

Surrogate: 1-Chlorooctane 73.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 78.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/17/2023
 Reported: 08/23/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/15/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 37 1' (H234470-37)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/20/2023	ND	1.97	98.4	2.00	0.812		
Toluene*	<0.050	0.050	08/20/2023	ND	2.05	102	2.00	5.74		
Ethylbenzene*	<0.050	0.050	08/20/2023	ND	2.06	103	2.00	7.28		
Total Xylenes*	<0.150	0.150	08/20/2023	ND	6.24	104	6.00	5.76		
Total BTEx	<0.300	0.300	08/20/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/18/2023	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	08/18/2023	ND	193	96.4	200	0.696	
DRO >C10-C28*	<10.0	10.0	08/18/2023	ND	215	108	200	1.13	
EXT DRO >C28-C36	<10.0	10.0	08/18/2023	ND					

Surrogate: 1-Chlorooctane 109 % 48.2-134

Surrogate: 1-Chlorooctadecane 123 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/17/2023
 Reported: 08/23/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/15/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 38 1' (H234470-38)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/20/2023	ND	1.97	98.4	2.00	0.812		
Toluene*	<0.050	0.050	08/20/2023	ND	2.05	102	2.00	5.74		
Ethylbenzene*	<0.050	0.050	08/20/2023	ND	2.06	103	2.00	7.28		
Total Xylenes*	<0.150	0.150	08/20/2023	ND	6.24	104	6.00	5.76		
Total BTEx	<0.300	0.300	08/20/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/18/2023	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	08/18/2023	ND	193	96.4	200	0.696	
DRO >C10-C28*	<10.0	10.0	08/18/2023	ND	215	108	200	1.13	
EXT DRO >C28-C36	<10.0	10.0	08/18/2023	ND					

Surrogate: 1-Chlorooctane 99.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 110 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/17/2023
 Reported: 08/23/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/15/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 39 1' (H234470-39)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/20/2023	ND	1.97	98.4	2.00	0.812		
Toluene*	<0.050	0.050	08/20/2023	ND	2.05	102	2.00	5.74		
Ethylbenzene*	<0.050	0.050	08/20/2023	ND	2.06	103	2.00	7.28		
Total Xylenes*	<0.150	0.150	08/20/2023	ND	6.24	104	6.00	5.76		
Total BTEx	<0.300	0.300	08/20/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/18/2023	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	08/18/2023	ND	193	96.4	200	0.696	
DRO >C10-C28*	<10.0	10.0	08/18/2023	ND	215	108	200	1.13	
EXT DRO >C28-C36	<10.0	10.0	08/18/2023	ND					

Surrogate: 1-Chlorooctane 87.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/17/2023
 Reported: 08/23/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/15/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 40 1' (H234470-40)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/20/2023	ND	1.97	98.4	2.00	0.812		
Toluene*	<0.050	0.050	08/20/2023	ND	2.05	102	2.00	5.74		
Ethylbenzene*	<0.050	0.050	08/20/2023	ND	2.06	103	2.00	7.28		
Total Xylenes*	<0.150	0.150	08/20/2023	ND	6.24	104	6.00	5.76		
Total BTEx	<0.300	0.300	08/20/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	656	16.0	08/18/2023	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	08/18/2023	ND	193	96.4	200	0.696	
DRO >C10-C28*	<10.0	10.0	08/18/2023	ND	215	108	200	1.13	
EXT DRO >C28-C36	<10.0	10.0	08/18/2023	ND					

Surrogate: 1-Chlorooctane 99.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 111 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/17/2023
 Reported: 08/23/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/15/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 41 1' (H234470-41)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/20/2023	ND	1.97	98.4	2.00	0.812		
Toluene*	<0.050	0.050	08/20/2023	ND	2.05	102	2.00	5.74		
Ethylbenzene*	<0.050	0.050	08/20/2023	ND	2.06	103	2.00	7.28		
Total Xylenes*	<0.150	0.150	08/20/2023	ND	6.24	104	6.00	5.76		
Total BTEx	<0.300	0.300	08/20/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/18/2023	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	08/18/2023	ND	193	96.4	200	0.696	
DRO >C10-C28*	<10.0	10.0	08/18/2023	ND	215	108	200	1.13	
EXT DRO >C28-C36	<10.0	10.0	08/18/2023	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 113 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/17/2023
 Reported: 08/23/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/15/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 42 1' (H234470-42)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/20/2023	ND	1.97	98.4	2.00	0.812		
Toluene*	<0.050	0.050	08/20/2023	ND	2.05	102	2.00	5.74		
Ethylbenzene*	<0.050	0.050	08/20/2023	ND	2.06	103	2.00	7.28		
Total Xylenes*	<0.150	0.150	08/20/2023	ND	6.24	104	6.00	5.76		
Total BTEX	<0.300	0.300	08/20/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	08/18/2023	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	08/18/2023	ND	193	96.4	200	0.696	
DRO >C10-C28*	<10.0	10.0	08/18/2023	ND	215	108	200	1.13	
EXT DRO >C28-C36	<10.0	10.0	08/18/2023	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 114 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/17/2023
 Reported: 08/23/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/15/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 43 1' (H234470-43)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/20/2023	ND	1.97	98.4	2.00	0.812		
Toluene*	<0.050	0.050	08/20/2023	ND	2.05	102	2.00	5.74		
Ethylbenzene*	<0.050	0.050	08/20/2023	ND	2.06	103	2.00	7.28		
Total Xylenes*	<0.150	0.150	08/20/2023	ND	6.24	104	6.00	5.76		
Total BTEX	<0.300	0.300	08/20/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/18/2023	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	08/18/2023	ND	193	96.4	200	0.696	
DRO >C10-C28*	<10.0	10.0	08/18/2023	ND	215	108	200	1.13	
EXT DRO >C28-C36	<10.0	10.0	08/18/2023	ND					

Surrogate: 1-Chlorooctane 97.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/17/2023
 Reported: 08/23/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/15/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 44 1' (H234470-44)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/20/2023	ND	1.97	98.4	2.00	0.812		
Toluene*	<0.050	0.050	08/20/2023	ND	2.05	102	2.00	5.74		
Ethylbenzene*	<0.050	0.050	08/20/2023	ND	2.06	103	2.00	7.28		
Total Xylenes*	<0.150	0.150	08/20/2023	ND	6.24	104	6.00	5.76		
Total BTEx	<0.300	0.300	08/20/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	08/18/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/18/2023	ND	193	96.4	200	0.696	
DRO >C10-C28*	<10.0	10.0	08/18/2023	ND	215	108	200	1.13	
EXT DRO >C28-C36	<10.0	10.0	08/18/2023	ND					

Surrogate: 1-Chlorooctane 98.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/17/2023
 Reported: 08/23/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/15/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 45 1' (H234470-45)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/20/2023	ND	1.97	98.4	2.00	0.812		
Toluene*	<0.050	0.050	08/20/2023	ND	2.05	102	2.00	5.74		
Ethylbenzene*	<0.050	0.050	08/20/2023	ND	2.06	103	2.00	7.28		
Total Xylenes*	<0.150	0.150	08/20/2023	ND	6.24	104	6.00	5.76		
Total BTEX	<0.300	0.300	08/20/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/18/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/18/2023	ND	193	96.4	200	0.696	
DRO >C10-C28*	<10.0	10.0	08/18/2023	ND	215	108	200	1.13	
EXT DRO >C28-C36	<10.0	10.0	08/18/2023	ND					

Surrogate: 1-Chlorooctane 74.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/17/2023
 Reported: 08/23/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/15/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 46 1' (H234470-46)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/20/2023	ND	1.97	98.4	2.00	0.812		
Toluene*	<0.050	0.050	08/20/2023	ND	2.05	102	2.00	5.74		
Ethylbenzene*	<0.050	0.050	08/20/2023	ND	2.06	103	2.00	7.28		
Total Xylenes*	<0.150	0.150	08/20/2023	ND	6.24	104	6.00	5.76		
Total BTEx	<0.300	0.300	08/20/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/18/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/18/2023	ND	193	96.4	200	0.696	
DRO >C10-C28*	<10.0	10.0	08/18/2023	ND	215	108	200	1.13	
EXT DRO >C28-C36	<10.0	10.0	08/18/2023	ND					

Surrogate: 1-Chlorooctane 94.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/17/2023
 Reported: 08/23/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/15/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 47 1' (H234470-47)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/20/2023	ND	1.97	98.4	2.00	0.812		
Toluene*	<0.050	0.050	08/20/2023	ND	2.05	102	2.00	5.74		
Ethylbenzene*	<0.050	0.050	08/20/2023	ND	2.06	103	2.00	7.28		
Total Xylenes*	<0.150	0.150	08/20/2023	ND	6.24	104	6.00	5.76		
Total BTEx	<0.300	0.300	08/20/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/18/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/18/2023	ND	193	96.4	200	0.696	
DRO >C10-C28*	<10.0	10.0	08/18/2023	ND	215	108	200	1.13	
EXT DRO >C28-C36	<10.0	10.0	08/18/2023	ND					

Surrogate: 1-Chlorooctane 77.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/17/2023
 Reported: 08/23/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/15/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 48 1' (H234470-48)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/20/2023	ND	1.97	98.4	2.00	0.812		
Toluene*	<0.050	0.050	08/20/2023	ND	2.05	102	2.00	5.74		
Ethylbenzene*	<0.050	0.050	08/20/2023	ND	2.06	103	2.00	7.28		
Total Xylenes*	<0.150	0.150	08/20/2023	ND	6.24	104	6.00	5.76		
Total BTEx	<0.300	0.300	08/20/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/18/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/18/2023	ND	193	96.4	200	0.696	
DRO >C10-C28*	<10.0	10.0	08/18/2023	ND	215	108	200	1.13	
EXT DRO >C28-C36	<10.0	10.0	08/18/2023	ND					

Surrogate: 1-Chlorooctane 90.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/17/2023
 Reported: 08/23/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/15/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 49 1' (H234470-49)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/20/2023	ND	1.97	98.4	2.00	0.812		
Toluene*	<0.050	0.050	08/20/2023	ND	2.05	102	2.00	5.74		
Ethylbenzene*	<0.050	0.050	08/20/2023	ND	2.06	103	2.00	7.28		
Total Xylenes*	<0.150	0.150	08/20/2023	ND	6.24	104	6.00	5.76		
Total BTEX	<0.300	0.300	08/20/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/18/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/18/2023	ND	193	96.4	200	0.696	
DRO >C10-C28*	<10.0	10.0	08/18/2023	ND	215	108	200	1.13	
EXT DRO >C28-C36	<10.0	10.0	08/18/2023	ND					

Surrogate: 1-Chlorooctane 91.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/17/2023
 Reported: 08/23/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/15/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 50 1' (H234470-50)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/19/2023	ND	2.11	105	2.00	3.08	
Toluene*	<0.050	0.050	08/19/2023	ND	2.06	103	2.00	3.96	
Ethylbenzene*	<0.050	0.050	08/19/2023	ND	1.97	98.7	2.00	3.49	
Total Xylenes*	<0.150	0.150	08/19/2023	ND	5.94	99.0	6.00	3.45	
Total BTX	<0.300	0.300	08/19/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.7 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/18/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/18/2023	ND	193	96.4	200	0.696	
DRO >C10-C28*	<10.0	10.0	08/18/2023	ND	215	108	200	1.13	
EXT DRO >C28-C36	<10.0	10.0	08/18/2023	ND					

Surrogate: 1-Chlorooctane 95.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/17/2023
 Reported: 08/23/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/16/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 51 1' (H234470-51)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/19/2023	ND	2.11	105	2.00	3.08	
Toluene*	<0.050	0.050	08/19/2023	ND	2.06	103	2.00	3.96	
Ethylbenzene*	<0.050	0.050	08/19/2023	ND	1.97	98.7	2.00	3.49	
Total Xylenes*	<0.150	0.150	08/19/2023	ND	5.94	99.0	6.00	3.45	
Total BTEX	<0.300	0.300	08/19/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.2 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/18/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/18/2023	ND	193	96.4	200	0.696	
DRO >C10-C28*	<10.0	10.0	08/18/2023	ND	215	108	200	1.13	
EXT DRO >C28-C36	<10.0	10.0	08/18/2023	ND					

Surrogate: 1-Chlorooctane 98.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/17/2023
 Reported: 08/23/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/16/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 52 1' (H234470-52)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/19/2023	ND	2.11	105	2.00	3.08	
Toluene*	<0.050	0.050	08/19/2023	ND	2.06	103	2.00	3.96	
Ethylbenzene*	<0.050	0.050	08/19/2023	ND	1.97	98.7	2.00	3.49	
Total Xylenes*	<0.150	0.150	08/19/2023	ND	5.94	99.0	6.00	3.45	
Total BTEX	<0.300	0.300	08/19/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.0 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/18/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/18/2023	ND	193	96.4	200	0.696	
DRO >C10-C28*	<10.0	10.0	08/18/2023	ND	215	108	200	1.13	
EXT DRO >C28-C36	<10.0	10.0	08/18/2023	ND					

Surrogate: 1-Chlorooctane 91.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/17/2023
 Reported: 08/23/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/16/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 53 1' (H234470-53)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/19/2023	ND	2.11	105	2.00	3.08	
Toluene*	<0.050	0.050	08/19/2023	ND	2.06	103	2.00	3.96	
Ethylbenzene*	<0.050	0.050	08/19/2023	ND	1.97	98.7	2.00	3.49	
Total Xylenes*	<0.150	0.150	08/19/2023	ND	5.94	99.0	6.00	3.45	
Total BTEX	<0.300	0.300	08/19/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 94.9 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/18/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/18/2023	ND	193	96.4	200	0.696	
DRO >C10-C28*	30.6	10.0	08/18/2023	ND	215	108	200	1.13	
EXT DRO >C28-C36	<10.0	10.0	08/18/2023	ND					

Surrogate: 1-Chlorooctane 95.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/17/2023
 Reported: 08/23/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/16/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 54 1' (H234470-54)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/19/2023	ND	2.11	105	2.00	3.08	
Toluene*	<0.050	0.050	08/19/2023	ND	2.06	103	2.00	3.96	
Ethylbenzene*	<0.050	0.050	08/19/2023	ND	1.97	98.7	2.00	3.49	
Total Xylenes*	<0.150	0.150	08/19/2023	ND	5.94	99.0	6.00	3.45	
Total BTEX	<0.300	0.300	08/19/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.4 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/18/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/18/2023	ND	193	96.4	200	0.696	
DRO >C10-C28*	<10.0	10.0	08/18/2023	ND	215	108	200	1.13	
EXT DRO >C28-C36	<10.0	10.0	08/18/2023	ND					

Surrogate: 1-Chlorooctane 94.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/17/2023
 Reported: 08/23/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/16/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 55 1' (H234470-55)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/19/2023	ND	2.11	105	2.00	3.08	
Toluene*	<0.050	0.050	08/19/2023	ND	2.06	103	2.00	3.96	
Ethylbenzene*	<0.050	0.050	08/19/2023	ND	1.97	98.7	2.00	3.49	
Total Xylenes*	<0.150	0.150	08/19/2023	ND	5.94	99.0	6.00	3.45	
Total BTEX	<0.300	0.300	08/19/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.6 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/18/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/18/2023	ND	193	96.4	200	0.696	
DRO >C10-C28*	<10.0	10.0	08/18/2023	ND	215	108	200	1.13	
EXT DRO >C28-C36	<10.0	10.0	08/18/2023	ND					

Surrogate: 1-Chlorooctane 89.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/17/2023
 Reported: 08/23/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/16/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 56 1' (H234470-56)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/19/2023	ND	2.11	105	2.00	3.08	
Toluene*	<0.050	0.050	08/19/2023	ND	2.06	103	2.00	3.96	
Ethylbenzene*	<0.050	0.050	08/19/2023	ND	1.97	98.7	2.00	3.49	
Total Xylenes*	<0.150	0.150	08/19/2023	ND	5.94	99.0	6.00	3.45	
Total BTEX	<0.300	0.300	08/19/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.7 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/18/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/18/2023	ND	193	96.4	200	0.696	
DRO >C10-C28*	<10.0	10.0	08/18/2023	ND	215	108	200	1.13	
EXT DRO >C28-C36	<10.0	10.0	08/18/2023	ND					

Surrogate: 1-Chlorooctane 97.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/17/2023
 Reported: 08/23/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/16/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 57 1' (H234470-57)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/19/2023	ND	2.11	105	2.00	3.08	
Toluene*	<0.050	0.050	08/19/2023	ND	2.06	103	2.00	3.96	
Ethylbenzene*	<0.050	0.050	08/19/2023	ND	1.97	98.7	2.00	3.49	
Total Xylenes*	<0.150	0.150	08/19/2023	ND	5.94	99.0	6.00	3.45	
Total BTEX	<0.300	0.300	08/19/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.5 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/18/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/18/2023	ND	201	101	200	0.833	
DRO >C10-C28*	<10.0	10.0	08/18/2023	ND	202	101	200	1.87	
EXT DRO >C28-C36	<10.0	10.0	08/18/2023	ND					

Surrogate: 1-Chlorooctane 75.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/17/2023
 Reported: 08/23/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/16/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 58 1' (H234470-58)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/19/2023	ND	2.11	105	2.00	3.08	
Toluene*	<0.050	0.050	08/19/2023	ND	2.06	103	2.00	3.96	
Ethylbenzene*	<0.050	0.050	08/19/2023	ND	1.97	98.7	2.00	3.49	
Total Xylenes*	<0.150	0.150	08/19/2023	ND	5.94	99.0	6.00	3.45	
Total BTEx	<0.300	0.300	08/19/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.5 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/18/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/18/2023	ND	201	101	200	0.833	
DRO >C10-C28*	<10.0	10.0	08/18/2023	ND	202	101	200	1.87	
EXT DRO >C28-C36	<10.0	10.0	08/18/2023	ND					

Surrogate: 1-Chlorooctane 88.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/17/2023
 Reported: 08/23/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/16/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 59 1' (H234470-59)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/19/2023	ND	2.11	105	2.00	3.08	
Toluene*	<0.050	0.050	08/19/2023	ND	2.06	103	2.00	3.96	
Ethylbenzene*	<0.050	0.050	08/19/2023	ND	1.97	98.7	2.00	3.49	
Total Xylenes*	<0.150	0.150	08/19/2023	ND	5.94	99.0	6.00	3.45	
Total BTEX	<0.300	0.300	08/19/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.0 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/18/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/18/2023	ND	201	101	200	0.833	
DRO >C10-C28*	<10.0	10.0	08/18/2023	ND	202	101	200	1.87	
EXT DRO >C28-C36	<10.0	10.0	08/18/2023	ND					

Surrogate: 1-Chlorooctane 83.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.8 % 49.1-148

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Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/17/2023
 Reported: 08/23/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/16/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 60 1' (H234470-60)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/19/2023	ND	2.11	105	2.00	3.08	
Toluene*	<0.050	0.050	08/19/2023	ND	2.06	103	2.00	3.96	
Ethylbenzene*	<0.050	0.050	08/19/2023	ND	1.97	98.7	2.00	3.49	
Total Xylenes*	<0.150	0.150	08/19/2023	ND	5.94	99.0	6.00	3.45	
Total BTEX	<0.300	0.300	08/19/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.1 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/18/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/18/2023	ND	201	101	200	0.833	
DRO >C10-C28*	<10.0	10.0	08/18/2023	ND	202	101	200	1.87	
EXT DRO >C28-C36	<10.0	10.0	08/18/2023	ND					

Surrogate: 1-Chlorooctane 85.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.1 % 49.1-148

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Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/17/2023
 Reported: 08/23/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/16/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 61 1' (H234470-61)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/19/2023	ND	2.11	105	2.00	3.08	
Toluene*	<0.050	0.050	08/19/2023	ND	2.06	103	2.00	3.96	
Ethylbenzene*	<0.050	0.050	08/19/2023	ND	1.97	98.7	2.00	3.49	
Total Xylenes*	<0.150	0.150	08/19/2023	ND	5.94	99.0	6.00	3.45	
Total BTEX	<0.300	0.300	08/19/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.5 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/18/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/18/2023	ND	201	101	200	0.833	
DRO >C10-C28*	<10.0	10.0	08/18/2023	ND	202	101	200	1.87	
EXT DRO >C28-C36	<10.0	10.0	08/18/2023	ND					

Surrogate: 1-Chlorooctane 77.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.4 % 49.1-148

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Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/17/2023
 Reported: 08/23/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/16/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 62 1' (H234470-62)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/19/2023	ND	2.11	105	2.00	3.08	
Toluene*	<0.050	0.050	08/19/2023	ND	2.06	103	2.00	3.96	
Ethylbenzene*	<0.050	0.050	08/19/2023	ND	1.97	98.7	2.00	3.49	
Total Xylenes*	<0.150	0.150	08/19/2023	ND	5.94	99.0	6.00	3.45	
Total BTX	<0.300	0.300	08/19/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.2 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/18/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/18/2023	ND	201	101	200	0.833	
DRO >C10-C28*	<10.0	10.0	08/18/2023	ND	202	101	200	1.87	
EXT DRO >C28-C36	<10.0	10.0	08/18/2023	ND					

Surrogate: 1-Chlorooctane 80.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/17/2023
 Reported: 08/23/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/16/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 63 1' (H234470-63)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/19/2023	ND	2.11	105	2.00	3.08	
Toluene*	<0.050	0.050	08/19/2023	ND	2.06	103	2.00	3.96	
Ethylbenzene*	<0.050	0.050	08/19/2023	ND	1.97	98.7	2.00	3.49	
Total Xylenes*	<0.150	0.150	08/19/2023	ND	5.94	99.0	6.00	3.45	
Total BTEX	<0.300	0.300	08/19/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.9 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/18/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/18/2023	ND	201	101	200	0.833	
DRO >C10-C28*	<10.0	10.0	08/18/2023	ND	202	101	200	1.87	
EXT DRO >C28-C36	<10.0	10.0	08/18/2023	ND					

Surrogate: 1-Chlorooctane 88.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/17/2023
 Reported: 08/23/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/16/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 64 1' (H234470-64)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/19/2023	ND	2.11	105	2.00	3.08	
Toluene*	<0.050	0.050	08/19/2023	ND	2.06	103	2.00	3.96	
Ethylbenzene*	<0.050	0.050	08/19/2023	ND	1.97	98.7	2.00	3.49	
Total Xylenes*	<0.150	0.150	08/19/2023	ND	5.94	99.0	6.00	3.45	
Total BTEX	<0.300	0.300	08/19/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 94.4 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/18/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/18/2023	ND	201	101	200	0.833	
DRO >C10-C28*	<10.0	10.0	08/18/2023	ND	202	101	200	1.87	
EXT DRO >C28-C36	<10.0	10.0	08/18/2023	ND					

Surrogate: 1-Chlorooctane 82.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/17/2023
 Reported: 08/23/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/16/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 65 1' (H234470-65)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/19/2023	ND	2.11	105	2.00	3.08	
Toluene*	<0.050	0.050	08/19/2023	ND	2.06	103	2.00	3.96	
Ethylbenzene*	<0.050	0.050	08/19/2023	ND	1.97	98.7	2.00	3.49	
Total Xylenes*	<0.150	0.150	08/19/2023	ND	5.94	99.0	6.00	3.45	
Total BTEX	<0.300	0.300	08/19/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.2 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/18/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/18/2023	ND	201	101	200	0.833	
DRO >C10-C28*	<10.0	10.0	08/18/2023	ND	202	101	200	1.87	
EXT DRO >C28-C36	<10.0	10.0	08/18/2023	ND					

Surrogate: 1-Chlorooctane 85.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/17/2023
 Reported: 08/23/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/16/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 66 1' (H234470-66)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/19/2023	ND	2.11	105	2.00	3.08	
Toluene*	<0.050	0.050	08/19/2023	ND	2.06	103	2.00	3.96	
Ethylbenzene*	<0.050	0.050	08/19/2023	ND	1.97	98.7	2.00	3.49	
Total Xylenes*	<0.150	0.150	08/19/2023	ND	5.94	99.0	6.00	3.45	
Total BTEX	<0.300	0.300	08/19/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 94.8 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/18/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/18/2023	ND	201	101	200	0.833	
DRO >C10-C28*	<10.0	10.0	08/18/2023	ND	202	101	200	1.87	
EXT DRO >C28-C36	<10.0	10.0	08/18/2023	ND					

Surrogate: 1-Chlorooctane 77.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/17/2023
 Reported: 08/23/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/16/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 67 1' (H234470-67)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/19/2023	ND	2.11	105	2.00	3.08	
Toluene*	<0.050	0.050	08/19/2023	ND	2.06	103	2.00	3.96	
Ethylbenzene*	<0.050	0.050	08/19/2023	ND	1.97	98.7	2.00	3.49	
Total Xylenes*	<0.150	0.150	08/19/2023	ND	5.94	99.0	6.00	3.45	
Total BTX	<0.300	0.300	08/19/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.4 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/18/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/18/2023	ND	201	101	200	0.833	
DRO >C10-C28*	<10.0	10.0	08/18/2023	ND	202	101	200	1.87	
EXT DRO >C28-C36	<10.0	10.0	08/18/2023	ND					

Surrogate: 1-Chlorooctane 84.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/17/2023
 Reported: 08/23/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/16/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 68 1' (H234470-68)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/19/2023	ND	2.11	105	2.00	3.08	
Toluene*	<0.050	0.050	08/19/2023	ND	2.06	103	2.00	3.96	
Ethylbenzene*	<0.050	0.050	08/19/2023	ND	1.97	98.7	2.00	3.49	
Total Xylenes*	<0.150	0.150	08/19/2023	ND	5.94	99.0	6.00	3.45	
Total BTEX	<0.300	0.300	08/19/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.2 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/18/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/18/2023	ND	201	101	200	0.833	
DRO >C10-C28*	<10.0	10.0	08/18/2023	ND	202	101	200	1.87	
EXT DRO >C28-C36	<10.0	10.0	08/18/2023	ND					

Surrogate: 1-Chlorooctane 85.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.8 % 49.1-148

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Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/17/2023
 Reported: 08/23/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/16/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 69 1' (H234470-69)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/19/2023	ND	2.11	105	2.00	3.08	
Toluene*	<0.050	0.050	08/19/2023	ND	2.06	103	2.00	3.96	
Ethylbenzene*	<0.050	0.050	08/19/2023	ND	1.97	98.7	2.00	3.49	
Total Xylenes*	<0.150	0.150	08/19/2023	ND	5.94	99.0	6.00	3.45	
Total BTEx	<0.300	0.300	08/19/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.8 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/18/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/18/2023	ND	201	101	200	0.833	
DRO >C10-C28*	<10.0	10.0	08/18/2023	ND	202	101	200	1.87	
EXT DRO >C28-C36	<10.0	10.0	08/18/2023	ND					

Surrogate: 1-Chlorooctane 91.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/17/2023
 Reported: 08/23/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/16/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 70 1' (H234470-70)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/19/2023	ND	2.13	107	2.00	2.45	
Toluene*	<0.050	0.050	08/19/2023	ND	2.06	103	2.00	1.52	
Ethylbenzene*	<0.050	0.050	08/19/2023	ND	2.00	100	2.00	2.16	
Total Xylenes*	<0.150	0.150	08/19/2023	ND	6.02	100	6.00	1.47	
Total BTEX	<0.300	0.300	08/19/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.7 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/18/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/18/2023	ND	201	101	200	0.833	
DRO >C10-C28*	<10.0	10.0	08/18/2023	ND	202	101	200	1.87	
EXT DRO >C28-C36	<10.0	10.0	08/18/2023	ND					

Surrogate: 1-Chlorooctane 89.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/17/2023
 Reported: 08/23/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/16/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 71 1' (H234470-71)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/19/2023	ND	2.13	107	2.00	2.45	
Toluene*	<0.050	0.050	08/19/2023	ND	2.06	103	2.00	1.52	
Ethylbenzene*	<0.050	0.050	08/19/2023	ND	2.00	100	2.00	2.16	
Total Xylenes*	<0.150	0.150	08/19/2023	ND	6.02	100	6.00	1.47	
Total BTEx	<0.300	0.300	08/19/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.7 % 71.5-134

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	08/18/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/18/2023	ND	201	101	200	0.833	
DRO >C10-C28*	<10.0	10.0	08/18/2023	ND	202	101	200	1.87	
EXT DRO >C28-C36	<10.0	10.0	08/18/2023	ND					

Surrogate: 1-Chlorooctane 88.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/17/2023
 Reported: 08/23/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/16/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 72 1' (H234470-72)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/19/2023	ND	2.13	107	2.00	2.45	
Toluene*	<0.050	0.050	08/19/2023	ND	2.06	103	2.00	1.52	
Ethylbenzene*	<0.050	0.050	08/19/2023	ND	2.00	100	2.00	2.16	
Total Xylenes*	<0.150	0.150	08/19/2023	ND	6.02	100	6.00	1.47	
Total BTX	<0.300	0.300	08/19/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.2 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	832	16.0	08/18/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/18/2023	ND	201	101	200	0.833	
DRO >C10-C28*	<10.0	10.0	08/18/2023	ND	202	101	200	1.87	
EXT DRO >C28-C36	<10.0	10.0	08/18/2023	ND					

Surrogate: 1-Chlorooctane 88.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/17/2023
 Reported: 08/23/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/16/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 73 1' (H234470-73)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/19/2023	ND	2.13	107	2.00	2.45	
Toluene*	<0.050	0.050	08/19/2023	ND	2.06	103	2.00	1.52	
Ethylbenzene*	<0.050	0.050	08/19/2023	ND	2.00	100	2.00	2.16	
Total Xylenes*	<0.150	0.150	08/19/2023	ND	6.02	100	6.00	1.47	
Total BTEX	<0.300	0.300	08/19/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 94.9 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	320	16.0	08/18/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/18/2023	ND	201	101	200	0.833	
DRO >C10-C28*	<10.0	10.0	08/18/2023	ND	202	101	200	1.87	
EXT DRO >C28-C36	<10.0	10.0	08/18/2023	ND					

Surrogate: 1-Chlorooctane 91.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/17/2023
 Reported: 08/23/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/16/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 74 1' (H234470-74)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/19/2023	ND	2.13	107	2.00	2.45	
Toluene*	<0.050	0.050	08/19/2023	ND	2.06	103	2.00	1.52	
Ethylbenzene*	<0.050	0.050	08/19/2023	ND	2.00	100	2.00	2.16	
Total Xylenes*	<0.150	0.150	08/19/2023	ND	6.02	100	6.00	1.47	
Total BTX	<0.300	0.300	08/19/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.1 % 71.5-134

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	08/18/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/18/2023	ND	201	101	200	0.833	
DRO >C10-C28*	<10.0	10.0	08/18/2023	ND	202	101	200	1.87	
EXT DRO >C28-C36	<10.0	10.0	08/18/2023	ND					

Surrogate: 1-Chlorooctane 89.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/17/2023
 Reported: 08/23/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/16/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 75 1' (H234470-75)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/19/2023	ND	2.13	107	2.00	2.45	
Toluene*	<0.050	0.050	08/19/2023	ND	2.06	103	2.00	1.52	
Ethylbenzene*	<0.050	0.050	08/19/2023	ND	2.00	100	2.00	2.16	
Total Xylenes*	<0.150	0.150	08/19/2023	ND	6.02	100	6.00	1.47	
Total BTX	<0.300	0.300	08/19/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.0 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	08/18/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/18/2023	ND	201	101	200	0.833	
DRO >C10-C28*	<10.0	10.0	08/18/2023	ND	202	101	200	1.87	
EXT DRO >C28-C36	<10.0	10.0	08/18/2023	ND					

Surrogate: 1-Chlorooctane 91.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/17/2023
 Reported: 08/23/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/16/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 76 1' (H234470-76)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/19/2023	ND	2.13	107	2.00	2.45	
Toluene*	<0.050	0.050	08/19/2023	ND	2.06	103	2.00	1.52	
Ethylbenzene*	<0.050	0.050	08/19/2023	ND	2.00	100	2.00	2.16	
Total Xylenes*	<0.150	0.150	08/19/2023	ND	6.02	100	6.00	1.47	
Total BTEX	<0.300	0.300	08/19/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 94.5 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	400	16.0	08/18/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/18/2023	ND	201	101	200	0.833	
DRO >C10-C28*	<10.0	10.0	08/18/2023	ND	202	101	200	1.87	
EXT DRO >C28-C36	<10.0	10.0	08/18/2023	ND					

Surrogate: 1-Chlorooctane 91.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/17/2023
 Reported: 08/23/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/16/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 77 1' (H234470-77)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/20/2023	ND	2.13	107	2.00	2.45	
Toluene*	<0.050	0.050	08/20/2023	ND	2.06	103	2.00	1.52	
Ethylbenzene*	<0.050	0.050	08/20/2023	ND	2.00	100	2.00	2.16	
Total Xylenes*	<0.150	0.150	08/20/2023	ND	6.02	100	6.00	1.47	
Total BTEX	<0.300	0.300	08/20/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.0 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/18/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/18/2023	ND	193	96.5	200	5.99	
DRO >C10-C28*	<10.0	10.0	08/18/2023	ND	216	108	200	6.80	
EXT DRO >C28-C36	<10.0	10.0	08/18/2023	ND					

Surrogate: 1-Chlorooctane 94.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/17/2023
 Reported: 08/23/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/16/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 78 1' (H234470-78)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/20/2023	ND	2.13	107	2.00	2.45	
Toluene*	<0.050	0.050	08/20/2023	ND	2.06	103	2.00	1.52	
Ethylbenzene*	<0.050	0.050	08/20/2023	ND	2.00	100	2.00	2.16	
Total Xylenes*	<0.150	0.150	08/20/2023	ND	6.02	100	6.00	1.47	
Total BTX	<0.300	0.300	08/20/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 94.0 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/18/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/19/2023	ND	193	96.5	200	5.99	
DRO >C10-C28*	<10.0	10.0	08/19/2023	ND	216	108	200	6.80	
EXT DRO >C28-C36	<10.0	10.0	08/19/2023	ND					

Surrogate: 1-Chlorooctane 84.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/17/2023
 Reported: 08/23/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/16/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 79 1' (H234470-79)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/20/2023	ND	2.13	107	2.00	2.45	
Toluene*	<0.050	0.050	08/20/2023	ND	2.06	103	2.00	1.52	
Ethylbenzene*	<0.050	0.050	08/20/2023	ND	2.00	100	2.00	2.16	
Total Xylenes*	<0.150	0.150	08/20/2023	ND	6.02	100	6.00	1.47	
Total BTEx	<0.300	0.300	08/20/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.7 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/18/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/19/2023	ND	193	96.5	200	5.99	
DRO >C10-C28*	<10.0	10.0	08/19/2023	ND	216	108	200	6.80	
EXT DRO >C28-C36	<10.0	10.0	08/19/2023	ND					

Surrogate: 1-Chlorooctane 91.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/17/2023
 Reported: 08/23/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/16/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 80 1' (H234470-80)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/21/2023	ND	2.13	107	2.00	2.45	
Toluene*	<0.050	0.050	08/21/2023	ND	2.06	103	2.00	1.52	
Ethylbenzene*	<0.050	0.050	08/21/2023	ND	2.00	100	2.00	2.16	
Total Xylenes*	<0.150	0.150	08/21/2023	ND	6.02	100	6.00	1.47	
Total BTEX	<0.300	0.300	08/21/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.1 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/18/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/19/2023	ND	193	96.5	200	5.99	
DRO >C10-C28*	<10.0	10.0	08/19/2023	ND	216	108	200	6.80	
EXT DRO >C28-C36	<10.0	10.0	08/19/2023	ND					

Surrogate: 1-Chlorooctane 91.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/17/2023
 Reported: 08/23/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/16/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 81 1' (H234470-81)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/20/2023	ND	2.13	107	2.00	2.45	
Toluene*	<0.050	0.050	08/20/2023	ND	2.06	103	2.00	1.52	
Ethylbenzene*	<0.050	0.050	08/20/2023	ND	2.00	100	2.00	2.16	
Total Xylenes*	<0.150	0.150	08/20/2023	ND	6.02	100	6.00	1.47	
Total BTEx	<0.300	0.300	08/20/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.9 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/18/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/19/2023	ND	193	96.5	200	5.99	
DRO >C10-C28*	<10.0	10.0	08/19/2023	ND	216	108	200	6.80	
EXT DRO >C28-C36	<10.0	10.0	08/19/2023	ND					

Surrogate: 1-Chlorooctane 92.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/17/2023
 Reported: 08/23/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/16/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 82 1' (H234470-82)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/21/2023	ND	2.13	107	2.00	2.45	
Toluene*	<0.050	0.050	08/21/2023	ND	2.06	103	2.00	1.52	
Ethylbenzene*	<0.050	0.050	08/21/2023	ND	2.00	100	2.00	2.16	
Total Xylenes*	<0.150	0.150	08/21/2023	ND	6.02	100	6.00	1.47	
Total BTX	<0.300	0.300	08/21/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.9 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/18/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/19/2023	ND	193	96.5	200	5.99	
DRO >C10-C28*	<10.0	10.0	08/19/2023	ND	216	108	200	6.80	
EXT DRO >C28-C36	<10.0	10.0	08/19/2023	ND					

Surrogate: 1-Chlorooctane 94.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 49.1-148

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Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/17/2023
 Reported: 08/23/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/16/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 83 1' (H234470-83)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/21/2023	ND	2.13	107	2.00	2.45	
Toluene*	<0.050	0.050	08/21/2023	ND	2.06	103	2.00	1.52	
Ethylbenzene*	<0.050	0.050	08/21/2023	ND	2.00	100	2.00	2.16	
Total Xylenes*	<0.150	0.150	08/21/2023	ND	6.02	100	6.00	1.47	
Total BTEX	<0.300	0.300	08/21/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.4 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/18/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/19/2023	ND	193	96.5	200	5.99	
DRO >C10-C28*	<10.0	10.0	08/19/2023	ND	216	108	200	6.80	
EXT DRO >C28-C36	<10.0	10.0	08/19/2023	ND					

Surrogate: 1-Chlorooctane 96.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/17/2023
 Reported: 08/23/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/16/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 84 1' (H234470-84)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/21/2023	ND	2.13	107	2.00	2.45	
Toluene*	<0.050	0.050	08/21/2023	ND	2.06	103	2.00	1.52	
Ethylbenzene*	<0.050	0.050	08/21/2023	ND	2.00	100	2.00	2.16	
Total Xylenes*	<0.150	0.150	08/21/2023	ND	6.02	100	6.00	1.47	
Total BTX	<0.300	0.300	08/21/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.4 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/18/2023	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	08/19/2023	ND	193	96.5	200	5.99	
DRO >C10-C28*	<10.0	10.0	08/19/2023	ND	216	108	200	6.80	
EXT DRO >C28-C36	<10.0	10.0	08/19/2023	ND					

Surrogate: 1-Chlorooctane 94.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/17/2023
 Reported: 08/23/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/16/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 85 1' (H234470-85)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/21/2023	ND	2.13	107	2.00	2.45	
Toluene*	<0.050	0.050	08/21/2023	ND	2.06	103	2.00	1.52	
Ethylbenzene*	<0.050	0.050	08/21/2023	ND	2.00	100	2.00	2.16	
Total Xylenes*	<0.150	0.150	08/21/2023	ND	6.02	100	6.00	1.47	
Total BTX	<0.300	0.300	08/21/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.6 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/18/2023	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	08/19/2023	ND	193	96.5	200	5.99	
DRO >C10-C28*	<10.0	10.0	08/19/2023	ND	216	108	200	6.80	
EXT DRO >C28-C36	<10.0	10.0	08/19/2023	ND					

Surrogate: 1-Chlorooctane 94.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/17/2023
 Reported: 08/23/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/16/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 86 1' (H234470-86)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/21/2023	ND	2.13	107	2.00	2.45	
Toluene*	<0.050	0.050	08/21/2023	ND	2.06	103	2.00	1.52	
Ethylbenzene*	<0.050	0.050	08/21/2023	ND	2.00	100	2.00	2.16	
Total Xylenes*	<0.150	0.150	08/21/2023	ND	6.02	100	6.00	1.47	
Total BTEX	<0.300	0.300	08/21/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.5 % 71.5-134

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	08/18/2023	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	08/19/2023	ND	193	96.5	200	5.99	
DRO >C10-C28*	<10.0	10.0	08/19/2023	ND	216	108	200	6.80	
EXT DRO >C28-C36	<10.0	10.0	08/19/2023	ND					

Surrogate: 1-Chlorooctane 90.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 100 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/17/2023
 Reported: 08/23/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/16/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 87 1' (H234470-87)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/21/2023	ND	2.13	107	2.00	2.45	
Toluene*	<0.050	0.050	08/21/2023	ND	2.06	103	2.00	1.52	
Ethylbenzene*	<0.050	0.050	08/21/2023	ND	2.00	100	2.00	2.16	
Total Xylenes*	<0.150	0.150	08/21/2023	ND	6.02	100	6.00	1.47	
Total BTEx	<0.300	0.300	08/21/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 94.2 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	08/18/2023	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	08/19/2023	ND	193	96.5	200	5.99	
DRO >C10-C28*	<10.0	10.0	08/19/2023	ND	216	108	200	6.80	
EXT DRO >C28-C36	<10.0	10.0	08/19/2023	ND					

Surrogate: 1-Chlorooctane 96.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/17/2023
 Reported: 08/23/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/16/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 88 1' (H234470-88)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/21/2023	ND	2.13	107	2.00	2.45	
Toluene*	<0.050	0.050	08/21/2023	ND	2.06	103	2.00	1.52	
Ethylbenzene*	<0.050	0.050	08/21/2023	ND	2.00	100	2.00	2.16	
Total Xylenes*	<0.150	0.150	08/21/2023	ND	6.02	100	6.00	1.47	
Total BTEX	<0.300	0.300	08/21/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.6 % 71.5-134

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	08/18/2023	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	08/19/2023	ND	193	96.5	200	5.99	
DRO >C10-C28*	<10.0	10.0	08/19/2023	ND	216	108	200	6.80	
EXT DRO >C28-C36	<10.0	10.0	08/19/2023	ND					

Surrogate: 1-Chlorooctane 89.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/17/2023
 Reported: 08/23/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/16/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 89 1' (H234470-89)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/21/2023	ND	2.13	107	2.00	2.45	
Toluene*	<0.050	0.050	08/21/2023	ND	2.06	103	2.00	1.52	
Ethylbenzene*	<0.050	0.050	08/21/2023	ND	2.00	100	2.00	2.16	
Total Xylenes*	<0.150	0.150	08/21/2023	ND	6.02	100	6.00	1.47	
Total BTEX	<0.300	0.300	08/21/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.6 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/18/2023	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	08/19/2023	ND	193	96.5	200	5.99	
DRO >C10-C28*	<10.0	10.0	08/19/2023	ND	216	108	200	6.80	
EXT DRO >C28-C36	<10.0	10.0	08/19/2023	ND					

Surrogate: 1-Chlorooctane 99.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 110 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/17/2023
 Reported: 08/23/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/16/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 90 1' (H234470-90)

BTX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/19/2023	ND	1.95	97.7	2.00	0.871		
Toluene*	<0.050	0.050	08/19/2023	ND	1.86	93.1	2.00	0.465		
Ethylbenzene*	<0.050	0.050	08/19/2023	ND	1.92	96.1	2.00	0.514		
Total Xylenes*	<0.150	0.150	08/19/2023	ND	5.70	95.0	6.00	0.559		
Total BTX	<0.300	0.300	08/19/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/18/2023	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	08/19/2023	ND	193	96.5	200	5.99	
DRO >C10-C28*	<10.0	10.0	08/19/2023	ND	216	108	200	6.80	
EXT DRO >C28-C36	<10.0	10.0	08/19/2023	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 110 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
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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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Ensolum, LLC

Project Manager: Hadlie Green

Address: 601 N Marlenfeld Street, Suite 400

City: Midland

Phone #: 432-557-8895

Project #: 03C2012042

Project Name: Rojo AE 7811 JV-P Fed 001H

Project Location: 32.1076101,-103.564101

Sampler Name: Peter Van Patten

BILL TO

P.O. #:

Company: BTA Oil

Attn: Kelton Beaird

Address: 104 S Pecos St

City: Midland

State: TX Zip: 79701

Phone #: 432-312-2203

Fax #:

ANALYSIS REQUEST

Lab I.D.	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX							DATE	TIME	TPH	BT EX	Chlorides
					GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:					
#234470	FS01	1	C									8-14-23	1214			
	FS02	1	C									1224				
	FS03	1	C									1230				
	FS04	1	C									1239				
	FS05	1	C									1250				
	FS06	1	C									1305				
	FS07	1	C									1318				
	FS08	1	C									1327				
	FS09	1	C									1342				
	FS10	1	C									1403				

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Relinquished By: *[Signature]* Date: 8/17/23 Received By: *[Signature]* Date: 8/17/23

Relinquished By: *[Signature]* Date: 8/17/23 Received By: *[Signature]* Date: 8/17/23

Relinquished By: *[Signature]* Date: 8/17/23 Received By: *[Signature]* Date: 8/17/23

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Relinquished By: *[Signature]* Date: 8/17/23 Received By: *[Signature]* Date: 8/17/23

Relinquished By: *[Signature]* Date: 8/17/23 Received By: *[Signature]* Date: 8/17/23



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Ensolum, LLC		BILL TO		P.O. #:		ANALYSIS REQUEST	
Project Manager: Hadlie Green		Address: 601 N Marlenfeld Street, Suite 400		Company: BTA Oil			
City: Midland		State: TX Zip: 79701		Attn: Kelton Beaird			
Phone #: 432-557-8895		Fax #:		Address: 104 S Pecos St			
Project #: 03C2012042		Project Owner:		City: Midland			
Project Name: Rojo AE 7811 JV-P Fed 001H		State: TX Zip: 79701		Phone #: 432-312-2203			
Project Location: 32.1076101, -103.564101		Fax #:					
Sampler Name: Peter Van Patten		FOR LAB USE ONLY					
Lab I.D.	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX	PRESERV.	SAMPLING
11	FS11	1			SOIL		
12	FS12	1			WASTEWATER		
13	FS13	1			SLUDGE		
14	FS14	1			OTHER :		
15	FS15	1			ACID/BASE:		
16	FS16	1			ICE / COOL		
17	FS17	1			OTHER :		
18	FS18	1					
19	FS19	1					
20	FS20	1					
Relinquished By: <i>[Signature]</i>		Date: 8-17-23	Received By: <i>[Signature]</i>		Verbal Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Add'l Phone #:		
Relinquished By: <i>[Signature]</i>		Date: 8-17-23	Received By: <i>[Signature]</i>		All Results are emailed. Please provide Email address:		
Delivered By: (Circle One)		Observed Temp.: °C -1.4	Sample Condition		CHECKED BY: <i>[Signature]</i>		
Sampler - UPS - Bus - Other:		Corrected Temp.: °C	Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Thermometer ID #113		
			Bacteria (only) Sample Condition		Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/>		
			Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Corrected Temp.: °C		
			Corrected Temp.: °C				



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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Ensolum, LLC

Project Manager: Hadlie Green

Address: 601 N Marlenfeld Street, Suite 400

City: Midland

Phone #: 432-557-8895

Project #: 03C2012042

Project Name: Rojo AE 7811 JV-P Fed 001H

Project Location: 32.1076101, -103.564101

Sampler Name: Peter Van Patten

BILL TO

P.O. #:

Company: BTA Oil

Attn: Kelton Beaird

Address: 104 S Pecos St

City: Midland

State: TX Zip: 79701

Phone #: 432-312-2203

Fax #:

ANALYSIS REQUEST

Lab I.D.	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	TPH	BTEX	Chlorides	
					GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :						ACID/BASE:
H234710	FS21	1	C	1								8-15-23	1009			
	FS22	1	C	1									1014			
	FS23	1	C	1									1020			
	FS24	1	C	1									1029			
	FS25	1	C	1									1030			
	FS26	1	C	1									1037			
	FS27	1	C	1									1042			
	FS28	1	C	1									1050			
	FS29	1	C	1									1154			
	FS30	1	C	1									1206			

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Relinquished By:

Date: 9/17/23

Received By:

Verbal Result: ☐ Yes ☒ No

Add'l Phone #:

All Results are emailed. Please provide Email address:

ngreen@ensolum.com

Relinquished By:

Date:

Received By:

REMARKS:

Time:

Date:

Received By:

REMARKS:

Delivered By: (Circle One)

Observed Temp.: °C

Sample Condition

CHECKED BY:

Turnaround Time:

Standard

☒

Bacteria (only)

Sample Condition

Observed Temp. °C

Sampler - UPS - Bus - Other:

Corrected Temp. °C

Cool Intact

Yes ☒ No ☐

Thermometer ID

413

☐

Cool Intact

Observed Temp. °C

Corrected Temp. °C

FORM-000 R-3-2 10/07/21

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Ensolum, LLC		BILL TO		ANALYSIS REQUEST	
Project Manager: Hadlie Green		P.O. #:			
Address: 601 N Marientfeld Street, Suite 400		Company: BTA Oil			
City: Midland		Attn: Kelton Beaird			
Phone #: 432-557-8895		Address: 104 S Pecos St			
Fax #: Project Owner:		City: Midland			
Project #: 03C2012042		State: TX Zip: 79701			
Project Name: Rojo AE 7811 JV-P Fed 001H		Phone #: 432-312-2203			
Project Location: 32.1076101, -103.564101		Fax #:			
Sampler Name: Peter Van Patten					

Lab I.D.	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						PRESERV.	DATE	TIME	TPH	BTEX	Chlorides
					GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :						
H234470	FS31	1	C									8.523	1204	✓	✓	✓
	FS32	1	C									1212		✓	✓	✓
	FS33	1	C									1215		✓	✓	✓
	FS34	1	C									1225		✓	✓	✓
	FS35	1	C									1229		✓	✓	✓
	FS36	1	C									1229		✓	✓	✓
	FS37	1	C									1242		✓	✓	✓
	FS38	1	C									1242		✓	✓	✓
	FS39	1	C									1246		✓	✓	✓
	FS40	1	C									1252		✓	✓	✓

Relinquished By: <i>[Signature]</i>	Date: 8/1/23	Received By: <i>[Signature]</i>	Date: 8/1/23
Time: 1410	Time: 1410	Time: 1410	Time: 1410
Date: 8/1/23	Date: 8/1/23	Date: 8/1/23	Date: 8/1/23
Time: 1410	Time: 1410	Time: 1410	Time: 1410
Date: 8/1/23	Date: 8/1/23	Date: 8/1/23	Date: 8/1/23
Time: 1410	Time: 1410	Time: 1410	Time: 1410

Delivered By: (Circle One)	Observed Temp. °C	Corrected Temp. °C	Sample Condition	CHECKED BY: (Initials)	Turnaround Time:	Standard	Bacteria (only)	Sample Condition
Sampler - UPS - Bus - Other:	-1.4		Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	SK	Thermometer ID -#113-#1140	Rush	Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No	Observed Temp. °C
					Correction Factor: 0.5%			Corrected Temp. °C

FORM 008-13-02 10/01/21

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REMARKS: *hgreen@ensolum.com*



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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Ensolum, LLC										P.O. #:										ANALYSIS REQUEST									
Project Manager: Hadlie Green										Company: BTA Oil																			
Address: 601 N Marientfeld Street, Suite 400										Attn: Kelton Beard																			
City: Midland										Address: 104 S Pecos St																			
Phone #: 432-557-8895										City: Midland																			
Project #: 03C2012042										State: TX Zip: 79701																			
Project Name: Pojo AE 78# JV-P Fed 0014										State: TX Zip: 79701																			
Project Location: 32.1076101, -103.564101										Phone #: 432-312-2203																			
Sampler Name: Peter Van Patten										Fax #:																			
FOR LAB USE ONLY										MATRIX										PRESERV.									
Lab I.D.										Sample I.D.										Depth (feet)									
(G)RAB OR (C)OMP.										# CONTAINERS										DATE									
GROUNDWATER										WASTEWATER										TIME									
SOIL										SLUDGE										OTHER :									
ACID/BASE:										ICE / COOL										OTHER :									
TPH										BTEx										Chlorides									
S1 FS 51										S2 FS 52										S3 FS 53									
S4 FS 54										S5 FS 55										S6 FS 56									
S7 FS 57										S8 FS 58										S9 FS 59									
S10 FS 60										S11 FS 61										S12 FS 62									
S13 FS 63										S14 FS 64										S15 FS 65									
S16 FS 66										S17 FS 67										S18 FS 68									
S19 FS 69										S20 FS 70										S21 FS 71									
S22 FS 72										S23 FS 73										S24 FS 74									
S25 FS 75										S26 FS 76										S27 FS 77									
S28 FS 78										S29 FS 79										S30 FS 80									
S31 FS 81										S32 FS 82										S33 FS 83									
S34 FS 84										S35 FS 85										S36 FS 86									
S37 FS 87										S38 FS 88										S39 FS 89									
S40 FS 90										S41 FS 91										S42 FS 92									
S43 FS 93										S44 FS 94										S45 FS 95									
S46 FS 96										S47 FS 97										S48 FS 98									
S49 FS 99										S50 FS 100										S51 FS 101									
S52 FS 102										S53 FS 103										S54 FS 104									
S55 FS 105										S56 FS 106										S57 FS 107									
S58 FS 108										S59 FS 109										S60 FS 110									
S61 FS 111										S62 FS 112										S63 FS 113									
S64 FS 114										S65 FS 115										S66 FS 116									
S67 FS 117										S68 FS 118										S69 FS 119									
S70 FS 120										S71 FS 121										S72 FS 122									
S73 FS 123										S74 FS 124										S75 FS 125									
S76 FS 126										S77 FS 127										S78 FS 128									
S79 FS 129										S80 FS 130										S81 FS 131									
S82 FS 132										S83 FS 133										S84 FS 134									
S85 FS 135										S86 FS 136										S87 FS 137									
S88 FS 138										S89 FS 139										S90 FS 140									
S91 FS 141										S92 FS 142										S93 FS 143									
S94 FS 144										S95 FS 145										S96 FS 146									
S97 FS 147										S98 FS 148										S99 FS 149									
S100 FS 150										S101 FS 151										S102 FS 152									
S103 FS 153										S104 FS 154										S105 FS 155									
S106 FS 156										S107 FS 157										S108 FS 158									
S109 FS 159										S110 FS 160										S111 FS 161									
S112 FS 162										S113 FS 163										S114 FS 164									
S115 FS 165										S116 FS 166										S117 FS 167									
S118 FS 168										S119 FS 169										S120 FS 170									
S121 FS 171										S122 FS 172										S123 FS 173									
S124 FS 174										S125 FS 175										S126 FS 176									
S127 FS 177										S128 FS 178										S129 FS 179									
S130 FS 180										S131 FS 181										S132 FS 182									
S133 FS 183										S134 FS 184										S135 FS 185									
S136 FS 186										S137 FS 187										S138 FS 188									
S139 FS 189										S140 FS 190										S141 FS 191									
S142 FS 192										S143 FS 193										S144 FS 194									
S145 FS 195										S146 FS 196										S147 FS 197									
S148 FS 198										S149 FS 199										S150 FS 200									
S151 FS 201										S152 FS 202										S153 FS 203									
S154 FS 204										S155 FS 205										S156 FS 206									
S157 FS 207										S158 FS 208										S159 FS 209									
S160 FS 210																													



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Ensolum LLC					
Project Manager: Hadlie Green					
Address: 601 N Marientfield Street, Suite 400					
City: Midland		State: TX		Zip: 79701	
Phone #: 432-557-8895		Fax #:			
Project #: D3C2012D42		Project Owner:			
Project Name: Pojo AE 7811 JV-P Fed Oil H		City: Midland			
Project Location: 3Z, 1B76BD1,-103, 564101		State: TX		Zip: 79701	
Sample Name: Peter Van Patten		Phone #: 432-312-2203		Fax #:	
FOR LAB USE ONLY					
Lab I.D.		Sample I.D.		Depth (feet)	
H234470	L61 FS61	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDEWATER	DATE TIME
	L62 FS62	C	1	SOIL	TPEH
	L63 FS63	C	1	OIL	BTEX
	L64 FS64	C	1	SLUDGE	Chlorides
	L65 FS65	C	1	OTHER :	
	L66 FS66	C	1	ACID/BASE:	
	L67 FS67	C	1	ICE / COOL	
	L68 FS68	C	1	OTHER :	
	L69 FS69	C	1		
	L70 FS70	C	1		
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Relinquished By: [Signature]		Date: 8-17-23	Received By: [Signature]	Verbal Result: Yes No Add'l Phone #:	
Time: 1410		Date: 8-16-23	REMARKS:	All Results are emailed. Please provide Email address:	
Delivered By: (Circle One) Sampler - UPS - Bus - Other:		Observed Temp.: °C Corrected Temp.: °C	Sample Condition: <input checked="" type="checkbox"/> Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No	CHECKED BY: (Initials)	Turnaround Time:
		-1.4	[initials]	Standard Rush	Thermometer ID #113
					Corrosion Factor .05°C
					Corrected Temp. °C



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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Ensolum, LLC

Project Manager: Hadlie Green

Address: 601 N Marientfield Street, Suite 400

City: Midland

Phone #: 432-557-8895

Project #:

Project Name:

Project Location:

Sampler Name: Peter Van Patten

FOR LAB USE ONLY

BILL TO

ANALYSIS REQUEST

P.O. #:

Company: BTA Oil

Attn: Kelton Beaird

Address: 104 S Pecos St

City: Midland

State: TX Zip: 79701

Phone #: 432-312-2203

Fax #:

PRESERV.

SAMPLING

Lab I.D. Sample I.D.

Depth (feet)

H234470

FS81

FS82

FS83

FS84

FS85

FS86

FS87

FS88

FS89

FS90

FS91

FS92

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FS94

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

August 23, 2023

HADLIE GREEN

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: ROJO AE 7811 JV-P FED 001H

Enclosed are the results of analyses for samples received by the laboratory on 08/17/23 14:10.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/17/2023
 Reported: 08/23/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/16/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 91 1' (H234471-01)

BTX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/19/2023	ND	1.95	97.7	2.00	0.871	
Toluene*	<0.050	0.050	08/19/2023	ND	1.86	93.1	2.00	0.465	
Ethylbenzene*	<0.050	0.050	08/19/2023	ND	1.92	96.1	2.00	0.514	
Total Xylenes*	<0.150	0.150	08/19/2023	ND	5.70	95.0	6.00	0.559	
Total BTX	<0.300	0.300	08/19/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/18/2023	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	08/19/2023	ND	193	96.5	200	5.99	
DRO >C10-C28*	<10.0	10.0	08/19/2023	ND	216	108	200	6.80	
EXT DRO >C28-C36	<10.0	10.0	08/19/2023	ND					

Surrogate: 1-Chlorooctane 93.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/17/2023
 Reported: 08/23/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/16/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 92 1' (H234471-02)

BTX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/19/2023	ND	1.95	97.7	2.00	0.871		
Toluene*	<0.050	0.050	08/19/2023	ND	1.86	93.1	2.00	0.465		
Ethylbenzene*	<0.050	0.050	08/19/2023	ND	1.92	96.1	2.00	0.514		
Total Xylenes*	<0.150	0.150	08/19/2023	ND	5.70	95.0	6.00	0.559		
Total BTX	<0.300	0.300	08/19/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/18/2023	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	08/19/2023	ND	193	96.5	200	5.99	
DRO >C10-C28*	<10.0	10.0	08/19/2023	ND	216	108	200	6.80	
EXT DRO >C28-C36	<10.0	10.0	08/19/2023	ND					

Surrogate: 1-Chlorooctane 100 % 48.2-134

Surrogate: 1-Chlorooctadecane 113 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/17/2023
 Reported: 08/23/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/16/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 93 1' (H234471-03)

BTEX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/19/2023	ND	1.95	97.7	2.00	0.871		
Toluene*	<0.050	0.050	08/19/2023	ND	1.86	93.1	2.00	0.465		
Ethylbenzene*	<0.050	0.050	08/19/2023	ND	1.92	96.1	2.00	0.514		
Total Xylenes*	<0.150	0.150	08/19/2023	ND	5.70	95.0	6.00	0.559		
Total BTEX	<0.300	0.300	08/19/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/18/2023	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	08/19/2023	ND	193	96.5	200	5.99	
DRO >C10-C28*	<10.0	10.0	08/19/2023	ND	216	108	200	6.80	
EXT DRO >C28-C36	<10.0	10.0	08/19/2023	ND					

Surrogate: 1-Chlorooctane 94.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/17/2023
 Reported: 08/23/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/16/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 94 1' (H234471-04)

BTX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/19/2023	ND	1.95	97.7	2.00	0.871		
Toluene*	<0.050	0.050	08/19/2023	ND	1.86	93.1	2.00	0.465		
Ethylbenzene*	<0.050	0.050	08/19/2023	ND	1.92	96.1	2.00	0.514		
Total Xylenes*	<0.150	0.150	08/19/2023	ND	5.70	95.0	6.00	0.559		
Total BTX	<0.300	0.300	08/19/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/18/2023	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	08/19/2023	ND	193	96.5	200	5.99	
DRO >C10-C28*	<10.0	10.0	08/19/2023	ND	216	108	200	6.80	
EXT DRO >C28-C36	<10.0	10.0	08/19/2023	ND					

Surrogate: 1-Chlorooctane 96.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/17/2023
 Reported: 08/23/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/16/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 95 1' (H234471-05)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/19/2023	ND	1.95	97.7	2.00	0.871		
Toluene*	<0.050	0.050	08/19/2023	ND	1.86	93.1	2.00	0.465		
Ethylbenzene*	<0.050	0.050	08/19/2023	ND	1.92	96.1	2.00	0.514		
Total Xylenes*	<0.150	0.150	08/19/2023	ND	5.70	95.0	6.00	0.559		
Total BTEX	<0.300	0.300	08/19/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/18/2023	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	08/19/2023	ND	193	96.5	200	5.99	
DRO >C10-C28*	<10.0	10.0	08/19/2023	ND	216	108	200	6.80	
EXT DRO >C28-C36	<10.0	10.0	08/19/2023	ND					

Surrogate: 1-Chlorooctane 97.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 110 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/17/2023
 Reported: 08/23/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/16/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 96 1' (H234471-06)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/19/2023	ND	1.95	97.7	2.00	0.871		
Toluene*	<0.050	0.050	08/19/2023	ND	1.86	93.1	2.00	0.465		
Ethylbenzene*	<0.050	0.050	08/19/2023	ND	1.92	96.1	2.00	0.514		
Total Xylenes*	<0.150	0.150	08/19/2023	ND	5.70	95.0	6.00	0.559		
Total BTEx	<0.300	0.300	08/19/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	08/21/2023	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	08/19/2023	ND	193	96.5	200	5.99	
DRO >C10-C28*	<10.0	10.0	08/19/2023	ND	216	108	200	6.80	
EXT DRO >C28-C36	<10.0	10.0	08/19/2023	ND					

Surrogate: 1-Chlorooctane 96.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/17/2023
 Reported: 08/23/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/16/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 97 1' (H234471-07)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/19/2023	ND	1.95	97.7	2.00	0.871		
Toluene*	<0.050	0.050	08/19/2023	ND	1.86	93.1	2.00	0.465		
Ethylbenzene*	<0.050	0.050	08/19/2023	ND	1.92	96.1	2.00	0.514		
Total Xylenes*	<0.150	0.150	08/19/2023	ND	5.70	95.0	6.00	0.559		
Total BTEX	<0.300	0.300	08/19/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	08/21/2023	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	08/21/2023	ND	176	88.0	200	2.64	
DRO >C10-C28*	<10.0	10.0	08/21/2023	ND	175	87.3	200	2.47	
EXT DRO >C28-C36	<10.0	10.0	08/21/2023	ND					

Surrogate: 1-Chlorooctane 90.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 100 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/17/2023
 Reported: 08/23/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/16/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 98 1' (H234471-08)

BTEX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/19/2023	ND	1.95	97.7	2.00	0.871		
Toluene*	<0.050	0.050	08/19/2023	ND	1.86	93.1	2.00	0.465		
Ethylbenzene*	<0.050	0.050	08/19/2023	ND	1.92	96.1	2.00	0.514		
Total Xylenes*	<0.150	0.150	08/19/2023	ND	5.70	95.0	6.00	0.559		
Total BTEX	<0.300	0.300	08/19/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/21/2023	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	08/21/2023	ND	176	88.0	200	2.64	
DRO >C10-C28*	<10.0	10.0	08/21/2023	ND	175	87.3	200	2.47	
EXT DRO >C28-C36	<10.0	10.0	08/21/2023	ND					

Surrogate: 1-Chlorooctane 74.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/17/2023
 Reported: 08/23/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/16/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 99 1' (H234471-09)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/19/2023	ND	1.95	97.7	2.00	0.871		
Toluene*	<0.050	0.050	08/19/2023	ND	1.86	93.1	2.00	0.465		
Ethylbenzene*	<0.050	0.050	08/19/2023	ND	1.92	96.1	2.00	0.514		
Total Xylenes*	<0.150	0.150	08/19/2023	ND	5.70	95.0	6.00	0.559		
Total BTEX	<0.300	0.300	08/19/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/21/2023	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	08/21/2023	ND	176	88.0	200	2.64	
DRO >C10-C28*	<10.0	10.0	08/21/2023	ND	175	87.3	200	2.47	
EXT DRO >C28-C36	<10.0	10.0	08/21/2023	ND					

Surrogate: 1-Chlorooctane 85.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/17/2023
 Reported: 08/23/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/16/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 100 1' (H234471-10)

BTEX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/19/2023	ND	1.95	97.7	2.00	0.871		
Toluene*	<0.050	0.050	08/19/2023	ND	1.86	93.1	2.00	0.465		
Ethylbenzene*	<0.050	0.050	08/19/2023	ND	1.92	96.1	2.00	0.514		
Total Xylenes*	<0.150	0.150	08/19/2023	ND	5.70	95.0	6.00	0.559		
Total BTEX	<0.300	0.300	08/19/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/21/2023	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	08/21/2023	ND	176	88.0	200	2.64	
DRO >C10-C28*	<10.0	10.0	08/21/2023	ND	175	87.3	200	2.47	
EXT DRO >C28-C36	<10.0	10.0	08/21/2023	ND					

Surrogate: 1-Chlorooctane 85.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/17/2023
 Reported: 08/23/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/16/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 101 1' (H234471-11)

BTX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/19/2023	ND	1.95	97.7	2.00	0.871		
Toluene*	<0.050	0.050	08/19/2023	ND	1.86	93.1	2.00	0.465		
Ethylbenzene*	<0.050	0.050	08/19/2023	ND	1.92	96.1	2.00	0.514		
Total Xylenes*	<0.150	0.150	08/19/2023	ND	5.70	95.0	6.00	0.559		
Total BTX	<0.300	0.300	08/19/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/21/2023	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	08/21/2023	ND	176	88.0	200	2.64	
DRO >C10-C28*	<10.0	10.0	08/21/2023	ND	175	87.3	200	2.47	
EXT DRO >C28-C36	<10.0	10.0	08/21/2023	ND					

Surrogate: 1-Chlorooctane 72.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/17/2023
 Reported: 08/23/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/16/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 102 1' (H234471-12)

BTX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/19/2023	ND	1.95	97.7	2.00	0.871		
Toluene*	<0.050	0.050	08/19/2023	ND	1.86	93.1	2.00	0.465		
Ethylbenzene*	<0.050	0.050	08/19/2023	ND	1.92	96.1	2.00	0.514		
Total Xylenes*	<0.150	0.150	08/19/2023	ND	5.70	95.0	6.00	0.559		
Total BTX	<0.300	0.300	08/19/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/21/2023	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	08/21/2023	ND	176	88.0	200	2.64	
DRO >C10-C28*	<10.0	10.0	08/21/2023	ND	175	87.3	200	2.47	
EXT DRO >C28-C36	<10.0	10.0	08/21/2023	ND					

Surrogate: 1-Chlorooctane 80.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/17/2023
 Reported: 08/23/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/16/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 103 1' (H234471-13)

BTEX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/19/2023	ND	1.95	97.7	2.00	0.871		
Toluene*	<0.050	0.050	08/19/2023	ND	1.86	93.1	2.00	0.465		
Ethylbenzene*	<0.050	0.050	08/19/2023	ND	1.92	96.1	2.00	0.514		
Total Xylenes*	<0.150	0.150	08/19/2023	ND	5.70	95.0	6.00	0.559		
Total BTEX	<0.300	0.300	08/19/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/21/2023	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	08/21/2023	ND	176	88.0	200	2.64	
DRO >C10-C28*	<10.0	10.0	08/21/2023	ND	175	87.3	200	2.47	
EXT DRO >C28-C36	<10.0	10.0	08/21/2023	ND					

Surrogate: 1-Chlorooctane 94.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/17/2023
 Reported: 08/23/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/16/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 104 1' (H234471-14)

BTEX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/19/2023	ND	1.95	97.7	2.00	0.871		
Toluene*	<0.050	0.050	08/19/2023	ND	1.86	93.1	2.00	0.465		
Ethylbenzene*	<0.050	0.050	08/19/2023	ND	1.92	96.1	2.00	0.514		
Total Xylenes*	<0.150	0.150	08/19/2023	ND	5.70	95.0	6.00	0.559		
Total BTEX	<0.300	0.300	08/19/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/21/2023	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	08/21/2023	ND	176	88.0	200	2.64	
DRO >C10-C28*	<10.0	10.0	08/21/2023	ND	175	87.3	200	2.47	
EXT DRO >C28-C36	<10.0	10.0	08/21/2023	ND					

Surrogate: 1-Chlorooctane 87.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/17/2023
 Reported: 08/23/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/16/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 105 1' (H234471-15)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/19/2023	ND	1.95	97.7	2.00	0.871		
Toluene*	<0.050	0.050	08/19/2023	ND	1.86	93.1	2.00	0.465		
Ethylbenzene*	<0.050	0.050	08/19/2023	ND	1.92	96.1	2.00	0.514		
Total Xylenes*	<0.150	0.150	08/19/2023	ND	5.70	95.0	6.00	0.559		
Total BTEX	<0.300	0.300	08/19/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/21/2023	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	08/21/2023	ND	176	88.0	200	2.64	
DRO >C10-C28*	<10.0	10.0	08/21/2023	ND	175	87.3	200	2.47	
EXT DRO >C28-C36	<10.0	10.0	08/21/2023	ND					

Surrogate: 1-Chlorooctane 88.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.2 % 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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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Ensolum, LLC		P.O. #:		ANALYSIS REQUEST	
Project Manager: Hadlie Green		Company: BTA Oil			
Address: 601 N Marientfield Street, Suite 400		Attn: Kelton Beaird			
City: Midland		Address: 104 S Pecos St			
Phone #: 432-557-8895		City: Midland			
Project #: 03C202042		State: TX			
Project Name: Rojo AE 781 JV-P Fed O&H		Zip: 79701			
Project Location: 32.1076101, -103.564161		Phone #: 432-312-2203			
Sampler Name: Peter Van Patten		Fax #:			

Lab I.D.	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX							DATE	TIME	TPH	BTX	Chlorides
					GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:					
H234471	FS91	1	C									8-16-23	1234			
	FS92	1	C										1247			
	FS93	1	C										1246			
	FS94	1	C										1246			
	FS95	1	C										1250			
	FS96	1	C										1252			
	FS97	1	C										1256			
	FS98	1	C										1259			
	FS99	1	C										1304			
	FS100	1	C										1329			

Relinquished By: <i>[Signature]</i>		Date: 8-17-23	Received By: <i>[Signature]</i>	Verbal Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Add'l Phone #:
Relinquished By: <i>[Signature]</i>		Date: 8-17-23	Received By: <i>[Signature]</i>	All Results are emailed. Please provide Email address:	
Relinquished By: <i>[Signature]</i>		Date: 8-17-23	Received By: <i>[Signature]</i>	REMARKS: <i>ngreen@ensolum.com</i>	

Delivered By: (Circle One)	Observed Temp. °C	Sample Condition	CHECKED BY: (Initials)	Turnaround Time:	Standard	Bacteria (only)	Sample Condition
Sampler - UPS - Bus - Other:	Corrected Temp. °C	Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<i>[Signature]</i>		<input checked="" type="checkbox"/> Rush	<input type="checkbox"/> Yes <input type="checkbox"/> No	Observed Temp. °C
							Corrected Temp. °C

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



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]



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

August 28, 2023

HADLIE GREEN

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: ROJO AE 7811 JV-P FED 001H

Enclosed are the results of analyses for samples received by the laboratory on 08/22/23 11:25.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, stylized 'C' and 'K'.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/22/2023
 Reported: 08/28/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/22/2023
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: SS 01 0.5' (H234560-01)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/24/2023	ND	1.94	96.8	2.00	3.47	
Toluene*	<0.050	0.050	08/24/2023	ND	2.20	110	2.00	1.09	
Ethylbenzene*	<0.050	0.050	08/24/2023	ND	2.20	110	2.00	0.0475	
Total Xylenes*	<0.150	0.150	08/24/2023	ND	6.54	109	6.00	0.526	
Total BTEX	<0.300	0.300	08/24/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/24/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/24/2023	ND	151	75.3	200	8.37	
DRO >C10-C28*	<10.0	10.0	08/24/2023	ND	165	82.6	200	1.94	
EXT DRO >C28-C36	<10.0	10.0	08/24/2023	ND					

Surrogate: 1-Chlorooctane 99.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 114 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/22/2023
 Reported: 08/28/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/22/2023
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: SS 02 0.5' (H234560-02)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/24/2023	ND	1.94	96.8	2.00	3.47		
Toluene*	<0.050	0.050	08/24/2023	ND	2.20	110	2.00	1.09		
Ethylbenzene*	<0.050	0.050	08/24/2023	ND	2.20	110	2.00	0.0475		
Total Xylenes*	<0.150	0.150	08/24/2023	ND	6.54	109	6.00	0.526		
Total BTX	<0.300	0.300	08/24/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	08/24/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/24/2023	ND	151	75.3	200	8.37	
DRO >C10-C28*	<10.0	10.0	08/24/2023	ND	165	82.6	200	1.94	
EXT DRO >C28-C36	<10.0	10.0	08/24/2023	ND					

Surrogate: 1-Chlorooctane 99.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 115 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/22/2023
 Reported: 08/28/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/22/2023
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: SS 03 0.5' (H234560-03)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/24/2023	ND	1.94	96.8	2.00	3.47		
Toluene*	<0.050	0.050	08/24/2023	ND	2.20	110	2.00	1.09		
Ethylbenzene*	<0.050	0.050	08/24/2023	ND	2.20	110	2.00	0.0475		
Total Xylenes*	<0.150	0.150	08/24/2023	ND	6.54	109	6.00	0.526		
Total BTEx	<0.300	0.300	08/24/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	08/24/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/24/2023	ND	151	75.3	200	8.37	
DRO >C10-C28*	<10.0	10.0	08/24/2023	ND	165	82.6	200	1.94	
EXT DRO >C28-C36	<10.0	10.0	08/24/2023	ND					

Surrogate: 1-Chlorooctane 97.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 114 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/22/2023
 Reported: 08/28/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/22/2023
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: SS 04 0.5' (H234560-04)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/24/2023	ND	1.94	96.8	2.00	3.47		
Toluene*	<0.050	0.050	08/24/2023	ND	2.20	110	2.00	1.09		
Ethylbenzene*	<0.050	0.050	08/24/2023	ND	2.20	110	2.00	0.0475		
Total Xylenes*	<0.150	0.150	08/24/2023	ND	6.54	109	6.00	0.526		
Total BTEx	<0.300	0.300	08/24/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/24/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/24/2023	ND	151	75.3	200	8.37	
DRO >C10-C28*	<10.0	10.0	08/24/2023	ND	165	82.6	200	1.94	
EXT DRO >C28-C36	<10.0	10.0	08/24/2023	ND					

Surrogate: 1-Chlorooctane 99.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 118 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/22/2023
 Reported: 08/28/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/22/2023
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: SS 05 0.5' (H234560-05)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/24/2023	ND	1.94	96.8	2.00	3.47		
Toluene*	<0.050	0.050	08/24/2023	ND	2.20	110	2.00	1.09		
Ethylbenzene*	<0.050	0.050	08/24/2023	ND	2.20	110	2.00	0.0475		
Total Xylenes*	<0.150	0.150	08/24/2023	ND	6.54	109	6.00	0.526		
Total BTX	<0.300	0.300	08/24/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/24/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2023	ND	151	75.3	200	2.23	
DRO >C10-C28*	<10.0	10.0	08/23/2023	ND	148	73.8	200	0.929	
EXT DRO >C28-C36	<10.0	10.0	08/23/2023	ND					

Surrogate: 1-Chlorooctane 93.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.4 % 49.1-148

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/22/2023
 Reported: 08/28/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/22/2023
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: SS 06 0.5' (H234560-06)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/24/2023	ND	1.94	96.8	2.00	3.47		
Toluene*	<0.050	0.050	08/24/2023	ND	2.20	110	2.00	1.09		
Ethylbenzene*	<0.050	0.050	08/24/2023	ND	2.20	110	2.00	0.0475		
Total Xylenes*	<0.150	0.150	08/24/2023	ND	6.54	109	6.00	0.526		
Total BTEx	<0.300	0.300	08/24/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/24/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/24/2023	ND	151	75.3	200	2.23	
DRO >C10-C28*	<10.0	10.0	08/24/2023	ND	148	73.8	200	0.929	
EXT DRO >C28-C36	<10.0	10.0	08/24/2023	ND					

Surrogate: 1-Chlorooctane 91.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/22/2023
 Reported: 08/28/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/22/2023
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: SS 07 0.5' (H234560-07)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/24/2023	ND	1.94	96.8	2.00	3.47		
Toluene*	<0.050	0.050	08/24/2023	ND	2.20	110	2.00	1.09		
Ethylbenzene*	<0.050	0.050	08/24/2023	ND	2.20	110	2.00	0.0475		
Total Xylenes*	<0.150	0.150	08/24/2023	ND	6.54	109	6.00	0.526		
Total BTEx	<0.300	0.300	08/24/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/24/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/24/2023	ND	151	75.3	200	2.23	
DRO >C10-C28*	<10.0	10.0	08/24/2023	ND	148	73.8	200	0.929	
EXT DRO >C28-C36	<10.0	10.0	08/24/2023	ND					

Surrogate: 1-Chlorooctane 88.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/22/2023
 Reported: 08/28/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/22/2023
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: SS 08 0.5' (H234560-08)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/24/2023	ND	1.94	96.8	2.00	3.47		
Toluene*	<0.050	0.050	08/24/2023	ND	2.20	110	2.00	1.09		
Ethylbenzene*	<0.050	0.050	08/24/2023	ND	2.20	110	2.00	0.0475		
Total Xylenes*	<0.150	0.150	08/24/2023	ND	6.54	109	6.00	0.526		
Total BTEX	<0.300	0.300	08/24/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/24/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/24/2023	ND	151	75.3	200	2.23	
DRO >C10-C28*	<10.0	10.0	08/24/2023	ND	148	73.8	200	0.929	
EXT DRO >C28-C36	<10.0	10.0	08/24/2023	ND					

Surrogate: 1-Chlorooctane 94.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/22/2023
 Reported: 08/28/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/22/2023
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: SS 09 0.5' (H234560-09)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/24/2023	ND	1.94	96.8	2.00	3.47		
Toluene*	<0.050	0.050	08/24/2023	ND	2.20	110	2.00	1.09		
Ethylbenzene*	<0.050	0.050	08/24/2023	ND	2.20	110	2.00	0.0475		
Total Xylenes*	<0.150	0.150	08/24/2023	ND	6.54	109	6.00	0.526		
Total BTEx	<0.300	0.300	08/24/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/24/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/24/2023	ND	151	75.3	200	2.23	
DRO >C10-C28*	<10.0	10.0	08/24/2023	ND	148	73.8	200	0.929	
EXT DRO >C28-C36	<10.0	10.0	08/24/2023	ND					

Surrogate: 1-Chlorooctane 92.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/22/2023
 Reported: 08/28/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/22/2023
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: SS 10 0.5' (H234560-10)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/24/2023	ND	1.94	96.8	2.00	3.47		
Toluene*	<0.050	0.050	08/24/2023	ND	2.20	110	2.00	1.09		
Ethylbenzene*	<0.050	0.050	08/24/2023	ND	2.20	110	2.00	0.0475		
Total Xylenes*	<0.150	0.150	08/24/2023	ND	6.54	109	6.00	0.526		
Total BTX	<0.300	0.300	08/24/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/24/2023	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	08/24/2023	ND	151	75.3	200	2.23	
DRO >C10-C28*	<10.0	10.0	08/24/2023	ND	148	73.8	200	0.929	
EXT DRO >C28-C36	<10.0	10.0	08/24/2023	ND					

Surrogate: 1-Chlorooctane 99.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/22/2023
 Reported: 08/28/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/22/2023
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: SS 11 0.5' (H234560-11)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/24/2023	ND	1.94	96.8	2.00	3.47		
Toluene*	<0.050	0.050	08/24/2023	ND	2.20	110	2.00	1.09		
Ethylbenzene*	<0.050	0.050	08/24/2023	ND	2.20	110	2.00	0.0475		
Total Xylenes*	<0.150	0.150	08/24/2023	ND	6.54	109	6.00	0.526		
Total BTX	<0.300	0.300	08/24/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/24/2023	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	08/24/2023	ND	151	75.3	200	2.23	
DRO >C10-C28*	<10.0	10.0	08/24/2023	ND	148	73.8	200	0.929	
EXT DRO >C28-C36	<10.0	10.0	08/24/2023	ND					

Surrogate: 1-Chlorooctane 93.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

BS-3	Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]



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

August 28, 2023

HADLIE GREEN

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: ROJO AE 7811 JV-P FED 001H

Enclosed are the results of analyses for samples received by the laboratory on 08/22/23 14:47.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/22/2023
 Reported: 08/28/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/17/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 106 1' (H234571-01)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/25/2023	ND	2.09	104	2.00	0.484	
Toluene*	<0.050	0.050	08/25/2023	ND	2.12	106	2.00	0.390	
Ethylbenzene*	<0.050	0.050	08/25/2023	ND	2.07	104	2.00	0.224	
Total Xylenes*	<0.150	0.150	08/25/2023	ND	6.29	105	6.00	0.353	
Total BTEX	<0.300	0.300	08/25/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 93.7 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/24/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/24/2023	ND	155	77.6	200	1.22	
DRO >C10-C28*	<10.0	10.0	08/24/2023	ND	146	73.1	200	4.25	
EXT DRO >C28-C36	<10.0	10.0	08/24/2023	ND					

Surrogate: 1-Chlorooctane 72.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 74.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/22/2023
 Reported: 08/28/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/17/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 107 1' (H234571-02)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/25/2023	ND	2.09	104	2.00	0.484	
Toluene*	<0.050	0.050	08/25/2023	ND	2.12	106	2.00	0.390	
Ethylbenzene*	<0.050	0.050	08/25/2023	ND	2.07	104	2.00	0.224	
Total Xylenes*	<0.150	0.150	08/25/2023	ND	6.29	105	6.00	0.353	
Total BTEx	<0.300	0.300	08/25/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 93.8 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	08/24/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/24/2023	ND	155	77.6	200	1.22	
DRO >C10-C28*	<10.0	10.0	08/24/2023	ND	146	73.1	200	4.25	
EXT DRO >C28-C36	<10.0	10.0	08/24/2023	ND					

Surrogate: 1-Chlorooctane 71.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 75.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/22/2023
 Reported: 08/28/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/17/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 108 1' (H234571-03)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/25/2023	ND	2.09	104	2.00	0.484	
Toluene*	<0.050	0.050	08/25/2023	ND	2.12	106	2.00	0.390	
Ethylbenzene*	<0.050	0.050	08/25/2023	ND	2.07	104	2.00	0.224	
Total Xylenes*	<0.150	0.150	08/25/2023	ND	6.29	105	6.00	0.353	
Total BTEx	<0.300	0.300	08/25/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 94.2 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/24/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/24/2023	ND	155	77.6	200	1.22	
DRO >C10-C28*	<10.0	10.0	08/24/2023	ND	146	73.1	200	4.25	
EXT DRO >C28-C36	<10.0	10.0	08/24/2023	ND					

Surrogate: 1-Chlorooctane 76.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/22/2023
 Reported: 08/28/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/17/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 109 1' (H234571-04)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/25/2023	ND	2.09	104	2.00	0.484	
Toluene*	<0.050	0.050	08/25/2023	ND	2.12	106	2.00	0.390	
Ethylbenzene*	<0.050	0.050	08/25/2023	ND	2.07	104	2.00	0.224	
Total Xylenes*	<0.150	0.150	08/25/2023	ND	6.29	105	6.00	0.353	
Total BTEx	<0.300	0.300	08/25/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 92.0 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	08/24/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/24/2023	ND	155	77.6	200	1.22	
DRO >C10-C28*	<10.0	10.0	08/24/2023	ND	146	73.1	200	4.25	
EXT DRO >C28-C36	<10.0	10.0	08/24/2023	ND					

Surrogate: 1-Chlorooctane 76.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/22/2023
 Reported: 08/28/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/17/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 110 1' (H234571-05)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/25/2023	ND	2.09	104	2.00	0.484	
Toluene*	<0.050	0.050	08/25/2023	ND	2.12	106	2.00	0.390	
Ethylbenzene*	<0.050	0.050	08/25/2023	ND	2.07	104	2.00	0.224	
Total Xylenes*	<0.150	0.150	08/25/2023	ND	6.29	105	6.00	0.353	
Total BTEX	<0.300	0.300	08/25/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 93.2 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/24/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/24/2023	ND	155	77.6	200	1.22	
DRO >C10-C28*	<10.0	10.0	08/24/2023	ND	146	73.1	200	4.25	
EXT DRO >C28-C36	<10.0	10.0	08/24/2023	ND					

Surrogate: 1-Chlorooctane 72.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 74.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/22/2023
 Reported: 08/28/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/17/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 111 1' (H234571-06)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/25/2023	ND	2.09	104	2.00	0.484	
Toluene*	<0.050	0.050	08/25/2023	ND	2.12	106	2.00	0.390	
Ethylbenzene*	<0.050	0.050	08/25/2023	ND	2.07	104	2.00	0.224	
Total Xylenes*	<0.150	0.150	08/25/2023	ND	6.29	105	6.00	0.353	
Total BTEX	<0.300	0.300	08/25/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 94.1 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/24/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/24/2023	ND	155	77.6	200	1.22	
DRO >C10-C28*	<10.0	10.0	08/24/2023	ND	146	73.1	200	4.25	
EXT DRO >C28-C36	<10.0	10.0	08/24/2023	ND					

Surrogate: 1-Chlorooctane 77.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/22/2023
 Reported: 08/28/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/17/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 112 1' (H234571-07)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/25/2023	ND	2.09	104	2.00	0.484	
Toluene*	<0.050	0.050	08/25/2023	ND	2.12	106	2.00	0.390	
Ethylbenzene*	<0.050	0.050	08/25/2023	ND	2.07	104	2.00	0.224	
Total Xylenes*	<0.150	0.150	08/25/2023	ND	6.29	105	6.00	0.353	
Total BTEx	<0.300	0.300	08/25/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 93.1 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	08/24/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/24/2023	ND	155	77.6	200	1.22	
DRO >C10-C28*	<10.0	10.0	08/24/2023	ND	146	73.1	200	4.25	
EXT DRO >C28-C36	<10.0	10.0	08/24/2023	ND					

Surrogate: 1-Chlorooctane 74.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 76.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/22/2023
 Reported: 08/28/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/17/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 113 1' (H234571-08)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/25/2023	ND	2.09	104	2.00	0.484	
Toluene*	<0.050	0.050	08/25/2023	ND	2.12	106	2.00	0.390	
Ethylbenzene*	<0.050	0.050	08/25/2023	ND	2.07	104	2.00	0.224	
Total Xylenes*	<0.150	0.150	08/25/2023	ND	6.29	105	6.00	0.353	
Total BTEx	<0.300	0.300	08/25/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 94.2 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/24/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/24/2023	ND	155	77.6	200	1.22	
DRO >C10-C28*	<10.0	10.0	08/24/2023	ND	146	73.1	200	4.25	
EXT DRO >C28-C36	<10.0	10.0	08/24/2023	ND					

Surrogate: 1-Chlorooctane 78.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/22/2023
 Reported: 08/28/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/17/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 114 1' (H234571-09)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/25/2023	ND	2.09	104	2.00	0.484	
Toluene*	<0.050	0.050	08/25/2023	ND	2.12	106	2.00	0.390	
Ethylbenzene*	<0.050	0.050	08/25/2023	ND	2.07	104	2.00	0.224	
Total Xylenes*	<0.150	0.150	08/25/2023	ND	6.29	105	6.00	0.353	
Total BTEx	<0.300	0.300	08/25/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.4 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/24/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/24/2023	ND	155	77.6	200	1.22	
DRO >C10-C28*	<10.0	10.0	08/24/2023	ND	146	73.1	200	4.25	
EXT DRO >C28-C36	<10.0	10.0	08/24/2023	ND					

Surrogate: 1-Chlorooctane 75.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 77.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/22/2023
 Reported: 08/28/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/17/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 115 1' (H234571-10)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/25/2023	ND	2.09	104	2.00	0.484	
Toluene*	<0.050	0.050	08/25/2023	ND	2.12	106	2.00	0.390	
Ethylbenzene*	<0.050	0.050	08/25/2023	ND	2.07	104	2.00	0.224	
Total Xylenes*	<0.150	0.150	08/25/2023	ND	6.29	105	6.00	0.353	
Total BTEx	<0.300	0.300	08/25/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 94.0 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/24/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/24/2023	ND	155	77.6	200	1.22	
DRO >C10-C28*	<10.0	10.0	08/24/2023	ND	146	73.1	200	4.25	
EXT DRO >C28-C36	<10.0	10.0	08/24/2023	ND					

Surrogate: 1-Chlorooctane 70.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 73.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/22/2023
 Reported: 08/28/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/17/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 116 1' (H234571-11)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/25/2023	ND	2.09	104	2.00	0.484	
Toluene*	<0.050	0.050	08/25/2023	ND	2.12	106	2.00	0.390	
Ethylbenzene*	<0.050	0.050	08/25/2023	ND	2.07	104	2.00	0.224	
Total Xylenes*	<0.150	0.150	08/25/2023	ND	6.29	105	6.00	0.353	
Total BTEx	<0.300	0.300	08/25/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 93.2 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/24/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/24/2023	ND	155	77.6	200	1.22	
DRO >C10-C28*	<10.0	10.0	08/24/2023	ND	146	73.1	200	4.25	
EXT DRO >C28-C36	<10.0	10.0	08/24/2023	ND					

Surrogate: 1-Chlorooctane 72.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 74.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/22/2023
 Reported: 08/28/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/17/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 117 1' (H234571-12)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/25/2023	ND	2.09	104	2.00	0.484	
Toluene*	<0.050	0.050	08/25/2023	ND	2.12	106	2.00	0.390	
Ethylbenzene*	<0.050	0.050	08/25/2023	ND	2.07	104	2.00	0.224	
Total Xylenes*	<0.150	0.150	08/25/2023	ND	6.29	105	6.00	0.353	
Total BTEx	<0.300	0.300	08/25/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 93.7 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	08/24/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/24/2023	ND	155	77.6	200	1.22	
DRO >C10-C28*	<10.0	10.0	08/24/2023	ND	146	73.1	200	4.25	
EXT DRO >C28-C36	<10.0	10.0	08/24/2023	ND					

Surrogate: 1-Chlorooctane 69.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 71.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/22/2023
 Reported: 08/28/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/17/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 118 1' (H234571-13)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/25/2023	ND	2.09	104	2.00	0.484	
Toluene*	<0.050	0.050	08/25/2023	ND	2.12	106	2.00	0.390	
Ethylbenzene*	<0.050	0.050	08/25/2023	ND	2.07	104	2.00	0.224	
Total Xylenes*	<0.150	0.150	08/25/2023	ND	6.29	105	6.00	0.353	
Total BTEX	<0.300	0.300	08/25/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 93.1 % 71.5-134

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	08/24/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/24/2023	ND	155	77.6	200	1.22	
DRO >C10-C28*	<10.0	10.0	08/24/2023	ND	146	73.1	200	4.25	
EXT DRO >C28-C36	<10.0	10.0	08/24/2023	ND					

Surrogate: 1-Chlorooctane 67.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 70.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/22/2023
 Reported: 08/28/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/17/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 119 1' (H234571-14)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/25/2023	ND	2.09	104	2.00	0.484	
Toluene*	<0.050	0.050	08/25/2023	ND	2.12	106	2.00	0.390	
Ethylbenzene*	<0.050	0.050	08/25/2023	ND	2.07	104	2.00	0.224	
Total Xylenes*	<0.150	0.150	08/25/2023	ND	6.29	105	6.00	0.353	
Total BTEX	<0.300	0.300	08/25/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 94.1 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	192	16.0	08/24/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/24/2023	ND	155	77.6	200	1.22	
DRO >C10-C28*	<10.0	10.0	08/24/2023	ND	146	73.1	200	4.25	
EXT DRO >C28-C36	<10.0	10.0	08/24/2023	ND					

Surrogate: 1-Chlorooctane 71.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 74.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/22/2023
 Reported: 08/28/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/17/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 120 1' (H234571-15)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/25/2023	ND	2.09	104	2.00	0.484	
Toluene*	<0.050	0.050	08/25/2023	ND	2.12	106	2.00	0.390	
Ethylbenzene*	<0.050	0.050	08/25/2023	ND	2.07	104	2.00	0.224	
Total Xylenes*	<0.150	0.150	08/25/2023	ND	6.29	105	6.00	0.353	
Total BTEx	<0.300	0.300	08/25/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 94.2 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/24/2023	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	08/24/2023	ND	152	75.8	200	5.55	
DRO >C10-C28*	<10.0	10.0	08/24/2023	ND	166	83.0	200	2.86	
EXT DRO >C28-C36	<10.0	10.0	08/24/2023	ND					

Surrogate: 1-Chlorooctane 87.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/22/2023
 Reported: 08/28/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/17/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 121 1' (H234571-16)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/25/2023	ND	2.02	101	2.00	7.37	
Toluene*	<0.050	0.050	08/25/2023	ND	2.01	101	2.00	8.61	
Ethylbenzene*	<0.050	0.050	08/25/2023	ND	2.07	103	2.00	8.98	
Total Xylenes*	<0.150	0.150	08/25/2023	ND	6.24	104	6.00	8.85	
Total BTX	<0.300	0.300	08/25/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/24/2023	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	08/24/2023	ND	152	75.8	200	5.55	
DRO >C10-C28*	<10.0	10.0	08/24/2023	ND	166	83.0	200	2.86	
EXT DRO >C28-C36	<10.0	10.0	08/24/2023	ND					

Surrogate: 1-Chlorooctane 85.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/22/2023
 Reported: 08/28/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/17/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 122 1' (H234571-17)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/25/2023	ND	2.02	101	2.00	7.37	
Toluene*	<0.050	0.050	08/25/2023	ND	2.01	101	2.00	8.61	
Ethylbenzene*	<0.050	0.050	08/25/2023	ND	2.07	103	2.00	8.98	
Total Xylenes*	<0.150	0.150	08/25/2023	ND	6.24	104	6.00	8.85	
Total BTEX	<0.300	0.300	08/25/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.1 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/24/2023	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	08/24/2023	ND	152	75.8	200	5.55	
DRO >C10-C28*	<10.0	10.0	08/24/2023	ND	166	83.0	200	2.86	
EXT DRO >C28-C36	<10.0	10.0	08/24/2023	ND					

Surrogate: 1-Chlorooctane 90.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/22/2023
 Reported: 08/28/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/17/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 123 1' (H234571-18)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/25/2023	ND	2.02	101	2.00	7.37	
Toluene*	<0.050	0.050	08/25/2023	ND	2.01	101	2.00	8.61	
Ethylbenzene*	<0.050	0.050	08/25/2023	ND	2.07	103	2.00	8.98	
Total Xylenes*	<0.150	0.150	08/25/2023	ND	6.24	104	6.00	8.85	
Total BTEX	<0.300	0.300	08/25/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/24/2023	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	08/24/2023	ND	152	75.8	200	5.55	
DRO >C10-C28*	<10.0	10.0	08/24/2023	ND	166	83.0	200	2.86	
EXT DRO >C28-C36	<10.0	10.0	08/24/2023	ND					

Surrogate: 1-Chlorooctane 85.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.8 % 49.1-148

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Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/22/2023
 Reported: 08/28/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/17/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 124 1' (H234571-19)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/25/2023	ND	2.02	101	2.00	7.37		
Toluene*	<0.050	0.050	08/25/2023	ND	2.01	101	2.00	8.61		
Ethylbenzene*	<0.050	0.050	08/25/2023	ND	2.07	103	2.00	8.98		
Total Xylenes*	<0.150	0.150	08/25/2023	ND	6.24	104	6.00	8.85		
Total BTEx	<0.300	0.300	08/25/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	08/24/2023	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	08/24/2023	ND	152	75.8	200	5.55	
DRO >C10-C28*	<10.0	10.0	08/24/2023	ND	166	83.0	200	2.86	
EXT DRO >C28-C36	<10.0	10.0	08/24/2023	ND					

Surrogate: 1-Chlorooctane 86.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/22/2023
 Reported: 08/28/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/17/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 125 1' (H234571-20)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/25/2023	ND	2.02	101	2.00	7.37		
Toluene*	<0.050	0.050	08/25/2023	ND	2.01	101	2.00	8.61		
Ethylbenzene*	<0.050	0.050	08/25/2023	ND	2.07	103	2.00	8.98		
Total Xylenes*	<0.150	0.150	08/25/2023	ND	6.24	104	6.00	8.85		
Total BTEx	<0.300	0.300	08/25/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/24/2023	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	08/24/2023	ND	152	75.8	200	5.55	
DRO >C10-C28*	<10.0	10.0	08/24/2023	ND	166	83.0	200	2.86	
EXT DRO >C28-C36	<10.0	10.0	08/24/2023	ND					

Surrogate: 1-Chlorooctane 89.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/22/2023
 Reported: 08/28/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/17/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 126 1' (H234571-21)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/25/2023	ND	2.02	101	2.00	7.37		
Toluene*	<0.050	0.050	08/25/2023	ND	2.01	101	2.00	8.61		
Ethylbenzene*	<0.050	0.050	08/25/2023	ND	2.07	103	2.00	8.98		
Total Xylenes*	<0.150	0.150	08/25/2023	ND	6.24	104	6.00	8.85		
Total BTEx	<0.300	0.300	08/25/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/24/2023	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	08/24/2023	ND	152	75.8	200	5.55	
DRO >C10-C28*	<10.0	10.0	08/24/2023	ND	166	83.0	200	2.86	
EXT DRO >C28-C36	<10.0	10.0	08/24/2023	ND					

Surrogate: 1-Chlorooctane 86.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/22/2023
 Reported: 08/28/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/17/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 127 1' (H234571-22)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/25/2023	ND	2.02	101	2.00	7.37		
Toluene*	<0.050	0.050	08/25/2023	ND	2.01	101	2.00	8.61		
Ethylbenzene*	<0.050	0.050	08/25/2023	ND	2.07	103	2.00	8.98		
Total Xylenes*	<0.150	0.150	08/25/2023	ND	6.24	104	6.00	8.85		
Total BTEx	<0.300	0.300	08/25/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	08/24/2023	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	08/24/2023	ND	152	75.8	200	5.55	
DRO >C10-C28*	<10.0	10.0	08/24/2023	ND	166	83.0	200	2.86	
EXT DRO >C28-C36	<10.0	10.0	08/24/2023	ND					

Surrogate: 1-Chlorooctane 89.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/22/2023
 Reported: 08/28/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/17/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 128 1' (H234571-23)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/25/2023	ND	2.02	101	2.00	7.37		
Toluene*	<0.050	0.050	08/25/2023	ND	2.01	101	2.00	8.61		
Ethylbenzene*	<0.050	0.050	08/25/2023	ND	2.07	103	2.00	8.98		
Total Xylenes*	<0.150	0.150	08/25/2023	ND	6.24	104	6.00	8.85		
Total BTEx	<0.300	0.300	08/25/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/24/2023	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	08/24/2023	ND	152	75.8	200	5.55	
DRO >C10-C28*	<10.0	10.0	08/24/2023	ND	166	83.0	200	2.86	
EXT DRO >C28-C36	<10.0	10.0	08/24/2023	ND					

Surrogate: 1-Chlorooctane 86.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/22/2023
 Reported: 08/28/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/17/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 129 1' (H234571-24)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/25/2023	ND	2.02	101	2.00	7.37		
Toluene*	<0.050	0.050	08/25/2023	ND	2.01	101	2.00	8.61		
Ethylbenzene*	<0.050	0.050	08/25/2023	ND	2.07	103	2.00	8.98		
Total Xylenes*	<0.150	0.150	08/25/2023	ND	6.24	104	6.00	8.85		
Total BTEx	<0.300	0.300	08/25/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	08/24/2023	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	08/24/2023	ND	152	75.8	200	5.55	
DRO >C10-C28*	<10.0	10.0	08/24/2023	ND	166	83.0	200	2.86	
EXT DRO >C28-C36	<10.0	10.0	08/24/2023	ND					

Surrogate: 1-Chlorooctane 86.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/22/2023
 Reported: 08/28/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/17/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 130 1' (H234571-25)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/25/2023	ND	2.02	101	2.00	7.37		
Toluene*	<0.050	0.050	08/25/2023	ND	2.01	101	2.00	8.61		
Ethylbenzene*	<0.050	0.050	08/25/2023	ND	2.07	103	2.00	8.98		
Total Xylenes*	<0.150	0.150	08/25/2023	ND	6.24	104	6.00	8.85		
Total BTEx	<0.300	0.300	08/25/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	08/24/2023	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	08/24/2023	ND	152	75.8	200	5.55	
DRO >C10-C28*	<10.0	10.0	08/24/2023	ND	166	83.0	200	2.86	
EXT DRO >C28-C36	<10.0	10.0	08/24/2023	ND					

Surrogate: 1-Chlorooctane 85.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/22/2023
 Reported: 08/28/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/17/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 131 1' (H234571-26)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/25/2023	ND	2.02	101	2.00	7.37	
Toluene*	<0.050	0.050	08/25/2023	ND	2.01	101	2.00	8.61	
Ethylbenzene*	<0.050	0.050	08/25/2023	ND	2.07	103	2.00	8.98	
Total Xylenes*	<0.150	0.150	08/25/2023	ND	6.24	104	6.00	8.85	
Total BTEx	<0.300	0.300	08/25/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.3 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/24/2023	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	08/24/2023	ND	152	75.8	200	5.55	
DRO >C10-C28*	<10.0	10.0	08/24/2023	ND	166	83.0	200	2.86	
EXT DRO >C28-C36	<10.0	10.0	08/24/2023	ND					

Surrogate: 1-Chlorooctane 87.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/22/2023
 Reported: 08/28/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/17/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 132 1' (H234571-27)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/25/2023	ND	2.02	101	2.00	7.37	
Toluene*	<0.050	0.050	08/25/2023	ND	2.01	101	2.00	8.61	
Ethylbenzene*	<0.050	0.050	08/25/2023	ND	2.07	103	2.00	8.98	
Total Xylenes*	<0.150	0.150	08/25/2023	ND	6.24	104	6.00	8.85	
Total BTEx	<0.300	0.300	08/25/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	08/24/2023	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	08/24/2023	ND	152	75.8	200	5.55	
DRO >C10-C28*	<10.0	10.0	08/24/2023	ND	166	83.0	200	2.86	
EXT DRO >C28-C36	<10.0	10.0	08/24/2023	ND					

Surrogate: 1-Chlorooctane 90.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/22/2023
 Reported: 08/28/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/17/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 133 1' (H234571-28)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/25/2023	ND	2.02	101	2.00	7.37	
Toluene*	<0.050	0.050	08/25/2023	ND	2.01	101	2.00	8.61	
Ethylbenzene*	<0.050	0.050	08/25/2023	ND	2.07	103	2.00	8.98	
Total Xylenes*	<0.150	0.150	08/25/2023	ND	6.24	104	6.00	8.85	
Total BTEX	<0.300	0.300	08/25/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.2 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	08/24/2023	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	08/24/2023	ND	152	75.8	200	5.55	
DRO >C10-C28*	<10.0	10.0	08/24/2023	ND	166	83.0	200	2.86	
EXT DRO >C28-C36	<10.0	10.0	08/24/2023	ND					

Surrogate: 1-Chlorooctane 88.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/22/2023
 Reported: 08/28/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/17/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 134 1' (H234571-29)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/25/2023	ND	2.02	101	2.00	7.37	
Toluene*	<0.050	0.050	08/25/2023	ND	2.01	101	2.00	8.61	
Ethylbenzene*	<0.050	0.050	08/25/2023	ND	2.07	103	2.00	8.98	
Total Xylenes*	<0.150	0.150	08/25/2023	ND	6.24	104	6.00	8.85	
Total BTEX	<0.300	0.300	08/25/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.0 % 71.5-134

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	08/24/2023	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	08/24/2023	ND	152	75.8	200	5.55	
DRO >C10-C28*	<10.0	10.0	08/24/2023	ND	166	83.0	200	2.86	
EXT DRO >C28-C36	<10.0	10.0	08/24/2023	ND					

Surrogate: 1-Chlorooctane 92.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/22/2023
 Reported: 08/28/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/17/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 135 1' (H234571-30)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/25/2023	ND	2.02	101	2.00	7.37		
Toluene*	<0.050	0.050	08/25/2023	ND	2.01	101	2.00	8.61		
Ethylbenzene*	<0.050	0.050	08/25/2023	ND	2.07	103	2.00	8.98		
Total Xylenes*	<0.150	0.150	08/25/2023	ND	6.24	104	6.00	8.85		
Total BTEx	<0.300	0.300	08/25/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/24/2023	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	08/24/2023	ND	152	75.8	200	5.55	
DRO >C10-C28*	<10.0	10.0	08/24/2023	ND	166	83.0	200	2.86	
EXT DRO >C28-C36	<10.0	10.0	08/24/2023	ND					

Surrogate: 1-Chlorooctane 86.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/22/2023
 Reported: 08/28/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/17/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 136 1' (H234571-31)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/25/2023	ND	2.02	101	2.00	7.37		
Toluene*	<0.050	0.050	08/25/2023	ND	2.01	101	2.00	8.61		
Ethylbenzene*	<0.050	0.050	08/25/2023	ND	2.07	103	2.00	8.98		
Total Xylenes*	<0.150	0.150	08/25/2023	ND	6.24	104	6.00	8.85		
Total BTEX	<0.300	0.300	08/25/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/24/2023	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	08/24/2023	ND	152	75.8	200	5.55	
DRO >C10-C28*	<10.0	10.0	08/24/2023	ND	166	83.0	200	2.86	
EXT DRO >C28-C36	<10.0	10.0	08/24/2023	ND					

Surrogate: 1-Chlorooctane 87.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/22/2023
 Reported: 08/28/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/17/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 137 1' (H234571-32)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/25/2023	ND	2.02	101	2.00	7.37		
Toluene*	<0.050	0.050	08/25/2023	ND	2.01	101	2.00	8.61		
Ethylbenzene*	<0.050	0.050	08/25/2023	ND	2.07	103	2.00	8.98		
Total Xylenes*	<0.150	0.150	08/25/2023	ND	6.24	104	6.00	8.85		
Total BTEx	<0.300	0.300	08/25/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/24/2023	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	08/24/2023	ND	152	75.8	200	5.55	
DRO >C10-C28*	<10.0	10.0	08/24/2023	ND	166	83.0	200	2.86	
EXT DRO >C28-C36	<10.0	10.0	08/24/2023	ND					

Surrogate: 1-Chlorooctane 97.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 110 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/22/2023
 Reported: 08/28/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/17/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 138 1' (H234571-33)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/25/2023	ND	2.02	101	2.00	7.37	
Toluene*	<0.050	0.050	08/25/2023	ND	2.01	101	2.00	8.61	
Ethylbenzene*	<0.050	0.050	08/25/2023	ND	2.07	103	2.00	8.98	
Total Xylenes*	<0.150	0.150	08/25/2023	ND	6.24	104	6.00	8.85	
Total BTEX	<0.300	0.300	08/25/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/24/2023	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	08/24/2023	ND	152	75.8	200	5.55	
DRO >C10-C28*	<10.0	10.0	08/24/2023	ND	166	83.0	200	2.86	
EXT DRO >C28-C36	<10.0	10.0	08/24/2023	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 115 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/22/2023
 Reported: 08/28/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/17/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 139 1' (H234571-34)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/25/2023	ND	2.02	101	2.00	7.37	
Toluene*	<0.050	0.050	08/25/2023	ND	2.01	101	2.00	8.61	
Ethylbenzene*	<0.050	0.050	08/25/2023	ND	2.07	103	2.00	8.98	
Total Xylenes*	<0.150	0.150	08/25/2023	ND	6.24	104	6.00	8.85	
Total BTX	<0.300	0.300	08/25/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/24/2023	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	08/24/2023	ND	152	75.8	200	5.55	
DRO >C10-C28*	<10.0	10.0	08/24/2023	ND	166	83.0	200	2.86	
EXT DRO >C28-C36	<10.0	10.0	08/24/2023	ND					

Surrogate: 1-Chlorooctane 100 % 48.2-134

Surrogate: 1-Chlorooctadecane 114 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/22/2023
 Reported: 08/28/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/17/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 140 1' (H234571-35)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/25/2023	ND	2.02	101	2.00	7.37	
Toluene*	<0.050	0.050	08/25/2023	ND	2.01	101	2.00	8.61	
Ethylbenzene*	<0.050	0.050	08/25/2023	ND	2.07	103	2.00	8.98	
Total Xylenes*	<0.150	0.150	08/25/2023	ND	6.24	104	6.00	8.85	
Total BTEx	<0.300	0.300	08/25/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/24/2023	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	08/24/2023	ND	157	78.7	200	2.74	
DRO >C10-C28*	<10.0	10.0	08/24/2023	ND	156	78.0	200	3.72	
EXT DRO >C28-C36	<10.0	10.0	08/24/2023	ND					

Surrogate: 1-Chlorooctane 91.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/22/2023
 Reported: 08/28/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/17/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 141 1' (H234571-36)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/24/2023	ND	2.01	101	2.00	3.71	
Toluene*	<0.050	0.050	08/24/2023	ND	2.02	101	2.00	5.02	
Ethylbenzene*	<0.050	0.050	08/24/2023	ND	2.07	103	2.00	4.68	
Total Xylenes*	<0.150	0.150	08/24/2023	ND	6.28	105	6.00	5.59	
Total BTX	<0.300	0.300	08/24/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.2 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	08/24/2023	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	08/24/2023	ND	157	78.7	200	2.74	
DRO >C10-C28*	<10.0	10.0	08/24/2023	ND	156	78.0	200	3.72	
EXT DRO >C28-C36	<10.0	10.0	08/24/2023	ND					

Surrogate: 1-Chlorooctane 93.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/22/2023
 Reported: 08/28/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/17/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 142 1' (H234571-37)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/24/2023	ND	1.79	89.4	2.00	8.30	
Toluene*	<0.050	0.050	08/24/2023	ND	1.99	99.6	2.00	12.1	
Ethylbenzene*	<0.050	0.050	08/24/2023	ND	2.00	99.8	2.00	13.4	
Total Xylenes*	<0.150	0.150	08/24/2023	ND	6.00	100	6.00	11.9	
Total BTEX	<0.300	0.300	08/24/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/24/2023	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	08/24/2023	ND	157	78.7	200	2.74	
DRO >C10-C28*	<10.0	10.0	08/24/2023	ND	156	78.0	200	3.72	
EXT DRO >C28-C36	<10.0	10.0	08/24/2023	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 118 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/22/2023
 Reported: 08/28/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/17/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 143 1' (H234571-38)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/24/2023	ND	1.79	89.4	2.00	8.30		
Toluene*	<0.050	0.050	08/24/2023	ND	1.99	99.6	2.00	12.1		
Ethylbenzene*	<0.050	0.050	08/24/2023	ND	2.00	99.8	2.00	13.4		
Total Xylenes*	<0.150	0.150	08/24/2023	ND	6.00	100	6.00	11.9		
Total BTX	<0.300	0.300	08/24/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.8 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	08/24/2023	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	08/24/2023	ND	157	78.7	200	2.74	
DRO >C10-C28*	<10.0	10.0	08/24/2023	ND	156	78.0	200	3.72	
EXT DRO >C28-C36	<10.0	10.0	08/24/2023	ND					

Surrogate: 1-Chlorooctane 99.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 112 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/22/2023
 Reported: 08/28/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/17/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 144 1' (H234571-39)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/24/2023	ND	1.79	89.4	2.00	8.30		
Toluene*	<0.050	0.050	08/24/2023	ND	1.99	99.6	2.00	12.1		
Ethylbenzene*	<0.050	0.050	08/24/2023	ND	2.00	99.8	2.00	13.4		
Total Xylenes*	<0.150	0.150	08/24/2023	ND	6.00	100	6.00	11.9		
Total BTX	<0.300	0.300	08/24/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	08/24/2023	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	08/24/2023	ND	157	78.7	200	2.74	
DRO >C10-C28*	<10.0	10.0	08/24/2023	ND	156	78.0	200	3.72	
EXT DRO >C28-C36	<10.0	10.0	08/24/2023	ND					

Surrogate: 1-Chlorooctane 107 % 48.2-134

Surrogate: 1-Chlorooctadecane 121 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/22/2023
 Reported: 08/28/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/17/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 145 1' (H234571-40)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/24/2023	ND	1.79	89.4	2.00	8.30		
Toluene*	<0.050	0.050	08/24/2023	ND	1.99	99.6	2.00	12.1		
Ethylbenzene*	<0.050	0.050	08/24/2023	ND	2.00	99.8	2.00	13.4		
Total Xylenes*	<0.150	0.150	08/24/2023	ND	6.00	100	6.00	11.9		
Total BTX	<0.300	0.300	08/24/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	08/24/2023	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	08/24/2023	ND	157	78.7	200	2.74	
DRO >C10-C28*	<10.0	10.0	08/24/2023	ND	156	78.0	200	3.72	
EXT DRO >C28-C36	<10.0	10.0	08/24/2023	ND					

Surrogate: 1-Chlorooctane 110 % 48.2-134

Surrogate: 1-Chlorooctadecane 125 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/22/2023
 Reported: 08/28/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/17/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 146 1' (H234571-41)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/24/2023	ND	1.79	89.4	2.00	8.30		
Toluene*	<0.050	0.050	08/24/2023	ND	1.99	99.6	2.00	12.1		
Ethylbenzene*	<0.050	0.050	08/24/2023	ND	2.00	99.8	2.00	13.4		
Total Xylenes*	<0.150	0.150	08/24/2023	ND	6.00	100	6.00	11.9		
Total BTX	<0.300	0.300	08/24/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.5 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	08/24/2023	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	08/24/2023	ND	157	78.7	200	2.74	
DRO >C10-C28*	<10.0	10.0	08/24/2023	ND	156	78.0	200	3.72	
EXT DRO >C28-C36	<10.0	10.0	08/24/2023	ND					

Surrogate: 1-Chlorooctane 93.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 110 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/22/2023
 Reported: 08/28/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/17/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 147 1' (H234571-42)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/24/2023	ND	1.79	89.4	2.00	8.30		
Toluene*	<0.050	0.050	08/24/2023	ND	1.99	99.6	2.00	12.1		
Ethylbenzene*	<0.050	0.050	08/24/2023	ND	2.00	99.8	2.00	13.4		
Total Xylenes*	<0.150	0.150	08/24/2023	ND	6.00	100	6.00	11.9		
Total BTX	<0.300	0.300	08/24/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	08/24/2023	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	08/24/2023	ND	157	78.7	200	2.74	
DRO >C10-C28*	<10.0	10.0	08/24/2023	ND	156	78.0	200	3.72	
EXT DRO >C28-C36	<10.0	10.0	08/24/2023	ND					

Surrogate: 1-Chlorooctane 96.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 111 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/22/2023
 Reported: 08/28/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/17/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 148 1' (H234571-43)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/24/2023	ND	1.79	89.4	2.00	8.30		
Toluene*	<0.050	0.050	08/24/2023	ND	1.99	99.6	2.00	12.1		
Ethylbenzene*	<0.050	0.050	08/24/2023	ND	2.00	99.8	2.00	13.4		
Total Xylenes*	<0.150	0.150	08/24/2023	ND	6.00	100	6.00	11.9		
Total BTEX	<0.300	0.300	08/24/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	08/24/2023	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	08/24/2023	ND	157	78.7	200	2.74	
DRO >C10-C28*	<10.0	10.0	08/24/2023	ND	156	78.0	200	3.72	
EXT DRO >C28-C36	<10.0	10.0	08/24/2023	ND					

Surrogate: 1-Chlorooctane 88.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 100 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/22/2023
 Reported: 08/28/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/17/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 149 1' (H234571-44)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/24/2023	ND	1.79	89.4	2.00	8.30		
Toluene*	<0.050	0.050	08/24/2023	ND	1.99	99.6	2.00	12.1		
Ethylbenzene*	<0.050	0.050	08/24/2023	ND	2.00	99.8	2.00	13.4		
Total Xylenes*	<0.150	0.150	08/24/2023	ND	6.00	100	6.00	11.9		
Total BTX	<0.300	0.300	08/24/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	08/24/2023	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	08/24/2023	ND	157	78.7	200	2.74	
DRO >C10-C28*	<10.0	10.0	08/24/2023	ND	156	78.0	200	3.72	
EXT DRO >C28-C36	<10.0	10.0	08/24/2023	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 121 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/22/2023
 Reported: 08/28/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/17/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 150 1' (H234571-45)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/24/2023	ND	1.79	89.4	2.00	8.30		
Toluene*	<0.050	0.050	08/24/2023	ND	1.99	99.6	2.00	12.1		
Ethylbenzene*	<0.050	0.050	08/24/2023	ND	2.00	99.8	2.00	13.4		
Total Xylenes*	<0.150	0.150	08/24/2023	ND	6.00	100	6.00	11.9		
Total BTX	<0.300	0.300	08/24/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	08/24/2023	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	08/24/2023	ND	157	78.7	200	2.74	
DRO >C10-C28*	<10.0	10.0	08/24/2023	ND	156	78.0	200	3.72	
EXT DRO >C28-C36	<10.0	10.0	08/24/2023	ND					

Surrogate: 1-Chlorooctane 93.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/22/2023
 Reported: 08/28/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/17/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 151 1' (H234571-46)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/24/2023	ND	1.79	89.4	2.00	8.30		
Toluene*	<0.050	0.050	08/24/2023	ND	1.99	99.6	2.00	12.1		
Ethylbenzene*	<0.050	0.050	08/24/2023	ND	2.00	99.8	2.00	13.4		
Total Xylenes*	<0.150	0.150	08/24/2023	ND	6.00	100	6.00	11.9		
Total BTX	<0.300	0.300	08/24/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/24/2023	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	08/24/2023	ND	157	78.7	200	2.74	
DRO >C10-C28*	<10.0	10.0	08/24/2023	ND	156	78.0	200	3.72	
EXT DRO >C28-C36	<10.0	10.0	08/24/2023	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 118 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/22/2023
 Reported: 08/28/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/17/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 152 1' (H234571-47)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/24/2023	ND	1.79	89.4	2.00	8.30	
Toluene*	<0.050	0.050	08/24/2023	ND	1.99	99.6	2.00	12.1	
Ethylbenzene*	<0.050	0.050	08/24/2023	ND	2.00	99.8	2.00	13.4	
Total Xylenes*	<0.150	0.150	08/24/2023	ND	6.00	100	6.00	11.9	
Total BTX	<0.300	0.300	08/24/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.9 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/24/2023	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	08/24/2023	ND	157	78.7	200	2.74	
DRO >C10-C28*	<10.0	10.0	08/24/2023	ND	156	78.0	200	3.72	
EXT DRO >C28-C36	<10.0	10.0	08/24/2023	ND					

Surrogate: 1-Chlorooctane 96.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 110 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/22/2023
 Reported: 08/28/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/17/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 153 1' (H234571-48)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/24/2023	ND	1.79	89.4	2.00	8.30	
Toluene*	<0.050	0.050	08/24/2023	ND	1.99	99.6	2.00	12.1	
Ethylbenzene*	<0.050	0.050	08/24/2023	ND	2.00	99.8	2.00	13.4	
Total Xylenes*	<0.150	0.150	08/24/2023	ND	6.00	100	6.00	11.9	
Total BTX	<0.300	0.300	08/24/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/24/2023	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	08/24/2023	ND	157	78.7	200	2.74	
DRO >C10-C28*	<10.0	10.0	08/24/2023	ND	156	78.0	200	3.72	
EXT DRO >C28-C36	<10.0	10.0	08/24/2023	ND					

Surrogate: 1-Chlorooctane 99.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 115 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/22/2023
 Reported: 08/28/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/17/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 154 1' (H234571-49)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/24/2023	ND	1.79	89.4	2.00	8.30		
Toluene*	<0.050	0.050	08/24/2023	ND	1.99	99.6	2.00	12.1		
Ethylbenzene*	<0.050	0.050	08/24/2023	ND	2.00	99.8	2.00	13.4		
Total Xylenes*	<0.150	0.150	08/24/2023	ND	6.00	100	6.00	11.9		
Total BTEX	<0.300	0.300	08/24/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	08/24/2023	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	08/24/2023	ND	157	78.7	200	2.74	
DRO >C10-C28*	<10.0	10.0	08/24/2023	ND	156	78.0	200	3.72	
EXT DRO >C28-C36	<10.0	10.0	08/24/2023	ND					

Surrogate: 1-Chlorooctane 96.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 110 % 49.1-148

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Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/22/2023
 Reported: 08/28/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/17/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 155 1' (H234571-50)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/25/2023	ND	1.79	89.4	2.00	8.30		
Toluene*	<0.050	0.050	08/25/2023	ND	1.99	99.6	2.00	12.1		
Ethylbenzene*	<0.050	0.050	08/25/2023	ND	2.00	99.8	2.00	13.4		
Total Xylenes*	<0.150	0.150	08/25/2023	ND	6.00	100	6.00	11.9		
Total BTEX	<0.300	0.300	08/25/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/24/2023	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	08/24/2023	ND	157	78.7	200	2.74	
DRO >C10-C28*	<10.0	10.0	08/24/2023	ND	156	78.0	200	3.72	
EXT DRO >C28-C36	<10.0	10.0	08/24/2023	ND					

Surrogate: 1-Chlorooctane 92.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/22/2023
 Reported: 08/28/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/17/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 156 1' (H234571-51)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/25/2023	ND	1.79	89.4	2.00	8.30		
Toluene*	<0.050	0.050	08/25/2023	ND	1.99	99.6	2.00	12.1		
Ethylbenzene*	<0.050	0.050	08/25/2023	ND	2.00	99.8	2.00	13.4		
Total Xylenes*	<0.150	0.150	08/25/2023	ND	6.00	100	6.00	11.9		
Total BTEx	<0.300	0.300	08/25/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	08/24/2023	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	08/24/2023	ND	157	78.7	200	2.74	
DRO >C10-C28*	<10.0	10.0	08/24/2023	ND	156	78.0	200	3.72	
EXT DRO >C28-C36	<10.0	10.0	08/24/2023	ND					

Surrogate: 1-Chlorooctane 89.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/22/2023
 Reported: 08/28/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/17/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 157 1' (H234571-52)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/25/2023	ND	1.79	89.4	2.00	8.30		
Toluene*	<0.050	0.050	08/25/2023	ND	1.99	99.6	2.00	12.1		
Ethylbenzene*	<0.050	0.050	08/25/2023	ND	2.00	99.8	2.00	13.4		
Total Xylenes*	<0.150	0.150	08/25/2023	ND	6.00	100	6.00	11.9		
Total BTEx	<0.300	0.300	08/25/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	08/24/2023	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	08/24/2023	ND	157	78.7	200	2.74	
DRO >C10-C28*	<10.0	10.0	08/24/2023	ND	156	78.0	200	3.72	
EXT DRO >C28-C36	<10.0	10.0	08/24/2023	ND					

Surrogate: 1-Chlorooctane 95.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 110 % 49.1-148

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Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/22/2023
 Reported: 08/28/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/17/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 158 1' (H234571-53)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/25/2023	ND	1.79	89.4	2.00	8.30		
Toluene*	<0.050	0.050	08/25/2023	ND	1.99	99.6	2.00	12.1		
Ethylbenzene*	<0.050	0.050	08/25/2023	ND	2.00	99.8	2.00	13.4		
Total Xylenes*	<0.150	0.150	08/25/2023	ND	6.00	100	6.00	11.9		
Total BTEx	<0.300	0.300	08/25/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	08/24/2023	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	08/24/2023	ND	157	78.7	200	2.74	
DRO >C10-C28*	<10.0	10.0	08/24/2023	ND	156	78.0	200	3.72	
EXT DRO >C28-C36	<10.0	10.0	08/24/2023	ND					

Surrogate: 1-Chlorooctane 89.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/22/2023
 Reported: 08/28/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/17/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 159 1' (H234571-54)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/25/2023	ND	1.79	89.4	2.00	8.30	
Toluene*	<0.050	0.050	08/25/2023	ND	1.99	99.6	2.00	12.1	
Ethylbenzene*	<0.050	0.050	08/25/2023	ND	2.00	99.8	2.00	13.4	
Total Xylenes*	<0.150	0.150	08/25/2023	ND	6.00	100	6.00	11.9	
Total BTX	<0.300	0.300	08/25/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 91.8 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	08/24/2023	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	08/24/2023	ND	157	78.7	200	2.74	
DRO >C10-C28*	<10.0	10.0	08/24/2023	ND	156	78.0	200	3.72	
EXT DRO >C28-C36	<10.0	10.0	08/24/2023	ND					

Surrogate: 1-Chlorooctane 88.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/22/2023
 Reported: 08/28/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/17/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 160 1' (H234571-55)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/25/2023	ND	1.79	89.4	2.00	8.30		
Toluene*	<0.050	0.050	08/25/2023	ND	1.99	99.6	2.00	12.1		
Ethylbenzene*	<0.050	0.050	08/25/2023	ND	2.00	99.8	2.00	13.4		
Total Xylenes*	<0.150	0.150	08/25/2023	ND	6.00	100	6.00	11.9		
Total BTEX	<0.300	0.300	08/25/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/24/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/24/2023	ND	157	78.5	200	3.35	
DRO >C10-C28*	<10.0	10.0	08/24/2023	ND	152	75.8	200	4.25	
EXT DRO >C28-C36	<10.0	10.0	08/24/2023	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 114 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/22/2023
 Reported: 08/28/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/17/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 161 1' (H234571-56)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/25/2023	ND	1.79	89.4	2.00	8.30		
Toluene*	<0.050	0.050	08/25/2023	ND	1.99	99.6	2.00	12.1		
Ethylbenzene*	<0.050	0.050	08/25/2023	ND	2.00	99.8	2.00	13.4		
Total Xylenes*	<0.150	0.150	08/25/2023	ND	6.00	100	6.00	11.9		
Total BTEx	<0.300	0.300	08/25/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/24/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/24/2023	ND	157	78.5	200	3.35	
DRO >C10-C28*	<10.0	10.0	08/24/2023	ND	152	75.8	200	4.25	
EXT DRO >C28-C36	<10.0	10.0	08/24/2023	ND					

Surrogate: 1-Chlorooctane 90.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/22/2023
 Reported: 08/28/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/17/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 162 1' (H234571-57)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/25/2023	ND	1.87	93.3	2.00	5.26		
Toluene*	<0.050	0.050	08/25/2023	ND	2.23	111	2.00	6.79		
Ethylbenzene*	<0.050	0.050	08/25/2023	ND	2.28	114	2.00	6.69		
Total Xylenes*	<0.150	0.150	08/25/2023	ND	6.76	113	6.00	6.20		
Total BTX	<0.300	0.300	08/25/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/24/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/24/2023	ND	157	78.5	200	3.35	
DRO >C10-C28*	<10.0	10.0	08/24/2023	ND	152	75.8	200	4.25	
EXT DRO >C28-C36	<10.0	10.0	08/24/2023	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 116 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

BS-3	Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Ensolum, LLC				BILL TO				ANALYSIS REQUEST				
Project Manager: Hadlie Green				P.O. #:								
Address: 601 N Marientfeld Street, Suite 400				Company: BTA Oil								
City: Midland				Attn: Kelton Beaird								
Phone #: 432-557-8895				Address: 104 S Pecos St								
Fax #: 432-557-8895				City: Midland								
Project #: 03C2012042				State: TX Zip: 79701								
Project Name: Rojo AE 7811 JV-P Fed 001H				Phone #: 432-312-2203								
Project Location: 32.1076101, -103.564101				Fax #:								
Sample Name: Peter Van Patten												
FOR LAB USE ONLY												
Lab I.D.	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX	PRESERV.	SAMPLING	DATE	TIME	TPH	BTEX	Chlorides
H234571	31	FS136	1	C	✓	✓	✓	8-17-23	1205	✓	✓	✓
	32	FS137	1	C	✓	✓	✓			✓	✓	✓
	33	FS138	1	C	✓	✓	✓			✓	✓	✓
	34	FS139	1	C	✓	✓	✓			✓	✓	✓
	35	FS140	1	C	✓	✓	✓			✓	✓	✓
	36	FS141	1	C	✓	✓	✓			✓	✓	✓
	37	FS142	1	C	✓	✓	✓			✓	✓	✓
	38	FS143	1	C	✓	✓	✓			✓	✓	✓
	39	FS144	1	C	✓	✓	✓			✓	✓	✓
	40	FS145	1	C	✓	✓	✓			✓	✓	✓

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Relinquished By: *[Signature]* Date: *8/28/23* Received By: *[Signature]* Date: *8/28/23*

Relinquished By: *[Signature]* Time: *1447* Received By: *[Signature]* Time: *1447*

Delivered By: (Circle One) ☒ Observed Temp. °C *-1.2* ☐ Corrected Temp. °C *-1.2* Sample Condition ☒ Cool ☐ Intact ☐ YES ☐ NO ☐ YES ☐ NO CHECKED BY: *[Signature]* (Initials)

Sampler - UPS - Bus - Other: ☐ Turnaround Time: *Standard* ☒ Rush *140* Bacteria (only) ☐ Cool ☐ Intact ☐ YES ☐ NO ☐ YES ☐ NO Sample Condition ☐ Observed Temp. °C ☐ Corrected Temp. °C

Verbal Result: ☐ Yes ☒ No Add'l Phone #: *hggreen@ensolum.com*

REMARKS: *hggreen@ensolum.com*

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



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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]



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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]



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

August 28, 2023

HADLIE GREEN

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: ROJO AE 7811 JV-P FED 001H

Enclosed are the results of analyses for samples received by the laboratory on 08/22/23 14:47.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/22/2023
 Reported: 08/28/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/18/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 163 1' (H234572-01)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/25/2023	ND	1.87	93.3	2.00	5.26	
Toluene*	<0.050	0.050	08/25/2023	ND	2.23	111	2.00	6.79	
Ethylbenzene*	<0.050	0.050	08/25/2023	ND	2.28	114	2.00	6.69	
Total Xylenes*	<0.150	0.150	08/25/2023	ND	6.76	113	6.00	6.20	
Total BTX	<0.300	0.300	08/25/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/24/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/24/2023	ND	157	78.5	200	3.35	
DRO >C10-C28*	<10.0	10.0	08/24/2023	ND	152	75.8	200	4.25	
EXT DRO >C28-C36	<10.0	10.0	08/24/2023	ND					

Surrogate: 1-Chlorooctane 116 % 48.2-134

Surrogate: 1-Chlorooctadecane 134 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/22/2023
 Reported: 08/28/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/18/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 164 1' (H234572-02)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/25/2023	ND	1.87	93.3	2.00	5.26		
Toluene*	<0.050	0.050	08/25/2023	ND	2.23	111	2.00	6.79		
Ethylbenzene*	<0.050	0.050	08/25/2023	ND	2.28	114	2.00	6.69		
Total Xylenes*	<0.150	0.150	08/25/2023	ND	6.76	113	6.00	6.20		
Total BTEx	<0.300	0.300	08/25/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/24/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/24/2023	ND	157	78.5	200	3.35	
DRO >C10-C28*	<10.0	10.0	08/24/2023	ND	152	75.8	200	4.25	
EXT DRO >C28-C36	<10.0	10.0	08/24/2023	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 115 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/22/2023
 Reported: 08/28/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/18/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 165 1' (H234572-03)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/25/2023	ND	1.87	93.3	2.00	5.26	
Toluene*	<0.050	0.050	08/25/2023	ND	2.23	111	2.00	6.79	
Ethylbenzene*	<0.050	0.050	08/25/2023	ND	2.28	114	2.00	6.69	
Total Xylenes*	<0.150	0.150	08/25/2023	ND	6.76	113	6.00	6.20	
Total BTEx	<0.300	0.300	08/25/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/24/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/24/2023	ND	157	78.5	200	3.35	
DRO >C10-C28*	<10.0	10.0	08/24/2023	ND	152	75.8	200	4.25	
EXT DRO >C28-C36	<10.0	10.0	08/24/2023	ND					

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 118 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/22/2023
 Reported: 08/28/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/18/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 166 1' (H234572-04)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/25/2023	ND	1.87	93.3	2.00	5.26		
Toluene*	<0.050	0.050	08/25/2023	ND	2.23	111	2.00	6.79		
Ethylbenzene*	<0.050	0.050	08/25/2023	ND	2.28	114	2.00	6.69		
Total Xylenes*	<0.150	0.150	08/25/2023	ND	6.76	113	6.00	6.20		
Total BTEX	<0.300	0.300	08/25/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/24/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/24/2023	ND	157	78.5	200	3.35	
DRO >C10-C28*	<10.0	10.0	08/24/2023	ND	152	75.8	200	4.25	
EXT DRO >C28-C36	<10.0	10.0	08/24/2023	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 114 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/22/2023
 Reported: 08/28/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/18/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 167 1' (H234572-05)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/25/2023	ND	1.87	93.3	2.00	5.26	
Toluene*	<0.050	0.050	08/25/2023	ND	2.23	111	2.00	6.79	
Ethylbenzene*	<0.050	0.050	08/25/2023	ND	2.28	114	2.00	6.69	
Total Xylenes*	<0.150	0.150	08/25/2023	ND	6.76	113	6.00	6.20	
Total BTEX	<0.300	0.300	08/25/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/24/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/24/2023	ND	157	78.5	200	3.35	
DRO >C10-C28*	<10.0	10.0	08/24/2023	ND	152	75.8	200	4.25	
EXT DRO >C28-C36	<10.0	10.0	08/24/2023	ND					

Surrogate: 1-Chlorooctane 108 % 48.2-134

Surrogate: 1-Chlorooctadecane 121 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/22/2023
 Reported: 08/28/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/18/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 168 1' (H234572-06)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/25/2023	ND	1.87	93.3	2.00	5.26		
Toluene*	<0.050	0.050	08/25/2023	ND	2.23	111	2.00	6.79		
Ethylbenzene*	<0.050	0.050	08/25/2023	ND	2.28	114	2.00	6.69		
Total Xylenes*	<0.150	0.150	08/25/2023	ND	6.76	113	6.00	6.20		
Total BTX	<0.300	0.300	08/25/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/24/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/24/2023	ND	157	78.5	200	3.35	
DRO >C10-C28*	<10.0	10.0	08/24/2023	ND	152	75.8	200	4.25	
EXT DRO >C28-C36	<10.0	10.0	08/24/2023	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 116 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/22/2023
 Reported: 08/28/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/18/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 169 1' (H234572-07)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/25/2023	ND	1.87	93.3	2.00	5.26		
Toluene*	<0.050	0.050	08/25/2023	ND	2.23	111	2.00	6.79		
Ethylbenzene*	<0.050	0.050	08/25/2023	ND	2.28	114	2.00	6.69		
Total Xylenes*	<0.150	0.150	08/25/2023	ND	6.76	113	6.00	6.20		
Total BTX	<0.300	0.300	08/25/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/24/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/24/2023	ND	157	78.5	200	3.35	
DRO >C10-C28*	<10.0	10.0	08/24/2023	ND	152	75.8	200	4.25	
EXT DRO >C28-C36	<10.0	10.0	08/24/2023	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 118 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/22/2023
 Reported: 08/28/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/18/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 170 1' (H234572-08)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/25/2023	ND	1.87	93.3	2.00	5.26		
Toluene*	<0.050	0.050	08/25/2023	ND	2.23	111	2.00	6.79		
Ethylbenzene*	<0.050	0.050	08/25/2023	ND	2.28	114	2.00	6.69		
Total Xylenes*	<0.150	0.150	08/25/2023	ND	6.76	113	6.00	6.20		
Total BTX	<0.300	0.300	08/25/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/24/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/24/2023	ND	157	78.5	200	3.35	
DRO >C10-C28*	<10.0	10.0	08/24/2023	ND	152	75.8	200	4.25	
EXT DRO >C28-C36	<10.0	10.0	08/24/2023	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 116 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/22/2023
 Reported: 08/28/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/18/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 171 1' (H234572-09)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/25/2023	ND	1.87	93.3	2.00	5.26		
Toluene*	<0.050	0.050	08/25/2023	ND	2.23	111	2.00	6.79		
Ethylbenzene*	<0.050	0.050	08/25/2023	ND	2.28	114	2.00	6.69		
Total Xylenes*	<0.150	0.150	08/25/2023	ND	6.76	113	6.00	6.20		
Total BTEX	<0.300	0.300	08/25/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/24/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/24/2023	ND	157	78.5	200	3.35	
DRO >C10-C28*	<10.0	10.0	08/24/2023	ND	152	75.8	200	4.25	
EXT DRO >C28-C36	<10.0	10.0	08/24/2023	ND					

Surrogate: 1-Chlorooctane 98.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 110 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/22/2023
 Reported: 08/28/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/18/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 172 1' (H234572-10)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/25/2023	ND	1.87	93.3	2.00	5.26		
Toluene*	<0.050	0.050	08/25/2023	ND	2.23	111	2.00	6.79		
Ethylbenzene*	<0.050	0.050	08/25/2023	ND	2.28	114	2.00	6.69		
Total Xylenes*	<0.150	0.150	08/25/2023	ND	6.76	113	6.00	6.20		
Total BTEx	<0.300	0.300	08/25/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	08/24/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/24/2023	ND	157	78.5	200	3.35	
DRO >C10-C28*	<10.0	10.0	08/24/2023	ND	152	75.8	200	4.25	
EXT DRO >C28-C36	<10.0	10.0	08/24/2023	ND					

Surrogate: 1-Chlorooctane 98.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/22/2023
 Reported: 08/28/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/18/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 173 1' (H234572-11)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/25/2023	ND	1.87	93.3	2.00	5.26		
Toluene*	<0.050	0.050	08/25/2023	ND	2.23	111	2.00	6.79		
Ethylbenzene*	<0.050	0.050	08/25/2023	ND	2.28	114	2.00	6.69		
Total Xylenes*	<0.150	0.150	08/25/2023	ND	6.76	113	6.00	6.20		
Total BTX	<0.300	0.300	08/25/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/24/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/24/2023	ND	157	78.5	200	3.35	
DRO >C10-C28*	<10.0	10.0	08/24/2023	ND	152	75.8	200	4.25	
EXT DRO >C28-C36	<10.0	10.0	08/24/2023	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 117 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/22/2023
 Reported: 08/28/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/18/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 174 1' (H234572-12)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/25/2023	ND	1.87	93.3	2.00	5.26		
Toluene*	<0.050	0.050	08/25/2023	ND	2.23	111	2.00	6.79		
Ethylbenzene*	<0.050	0.050	08/25/2023	ND	2.28	114	2.00	6.69		
Total Xylenes*	<0.150	0.150	08/25/2023	ND	6.76	113	6.00	6.20		
Total BTX	<0.300	0.300	08/25/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/24/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/24/2023	ND	157	78.5	200	3.35	
DRO >C10-C28*	<10.0	10.0	08/24/2023	ND	152	75.8	200	4.25	
EXT DRO >C28-C36	<10.0	10.0	08/24/2023	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 116 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/22/2023
 Reported: 08/28/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/18/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 175 1' (H234572-13)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/25/2023	ND	1.87	93.3	2.00	5.26		
Toluene*	<0.050	0.050	08/25/2023	ND	2.23	111	2.00	6.79		
Ethylbenzene*	<0.050	0.050	08/25/2023	ND	2.28	114	2.00	6.69		
Total Xylenes*	<0.150	0.150	08/25/2023	ND	6.76	113	6.00	6.20		
Total BTEX	<0.300	0.300	08/25/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/24/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/24/2023	ND	157	78.5	200	3.35	
DRO >C10-C28*	<10.0	10.0	08/24/2023	ND	152	75.8	200	4.25	
EXT DRO >C28-C36	<10.0	10.0	08/24/2023	ND					

Surrogate: 1-Chlorooctane 99.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 113 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/22/2023
 Reported: 08/28/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/18/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 176 1' (H234572-14)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/25/2023	ND	1.87	93.3	2.00	5.26		
Toluene*	<0.050	0.050	08/25/2023	ND	2.23	111	2.00	6.79		
Ethylbenzene*	<0.050	0.050	08/25/2023	ND	2.28	114	2.00	6.69		
Total Xylenes*	<0.150	0.150	08/25/2023	ND	6.76	113	6.00	6.20		
Total BTX	<0.300	0.300	08/25/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/24/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/24/2023	ND	157	78.5	200	3.35	
DRO >C10-C28*	<10.0	10.0	08/24/2023	ND	152	75.8	200	4.25	
EXT DRO >C28-C36	<10.0	10.0	08/24/2023	ND					

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 120 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/22/2023
 Reported: 08/28/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/18/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 177 1' (H234572-15)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/25/2023	ND	1.87	93.3	2.00	5.26	
Toluene*	<0.050	0.050	08/25/2023	ND	2.23	111	2.00	6.79	
Ethylbenzene*	<0.050	0.050	08/25/2023	ND	2.28	114	2.00	6.69	
Total Xylenes*	<0.150	0.150	08/25/2023	ND	6.76	113	6.00	6.20	
Total BTEX	<0.300	0.300	08/25/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/24/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/24/2023	ND	157	78.5	200	3.35	
DRO >C10-C28*	<10.0	10.0	08/24/2023	ND	152	75.8	200	4.25	
EXT DRO >C28-C36	<10.0	10.0	08/24/2023	ND					

Surrogate: 1-Chlorooctane 99.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 111 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/22/2023
 Reported: 08/28/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/18/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 178 1' (H234572-16)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/25/2023	ND	1.87	93.3	2.00	5.26		
Toluene*	<0.050	0.050	08/25/2023	ND	2.23	111	2.00	6.79		
Ethylbenzene*	<0.050	0.050	08/25/2023	ND	2.28	114	2.00	6.69		
Total Xylenes*	<0.150	0.150	08/25/2023	ND	6.76	113	6.00	6.20		
Total BTX	<0.300	0.300	08/25/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/24/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/24/2023	ND	157	78.5	200	3.35	
DRO >C10-C28*	<10.0	10.0	08/24/2023	ND	152	75.8	200	4.25	
EXT DRO >C28-C36	<10.0	10.0	08/24/2023	ND					

Surrogate: 1-Chlorooctane 94.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/22/2023
 Reported: 08/28/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/18/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 179 1' (H234572-17)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/25/2023	ND	1.87	93.3	2.00	5.26		
Toluene*	<0.050	0.050	08/25/2023	ND	2.23	111	2.00	6.79		
Ethylbenzene*	<0.050	0.050	08/25/2023	ND	2.28	114	2.00	6.69		
Total Xylenes*	<0.150	0.150	08/25/2023	ND	6.76	113	6.00	6.20		
Total BTX	<0.300	0.300	08/25/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

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	08/24/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/24/2023	ND	157	78.5	200	3.35	
DRO >C10-C28*	<10.0	10.0	08/24/2023	ND	152	75.8	200	4.25	
EXT DRO >C28-C36	<10.0	10.0	08/24/2023	ND					

Surrogate: 1-Chlorooctane 108 % 48.2-134

Surrogate: 1-Chlorooctadecane 122 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/22/2023
 Reported: 08/28/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/18/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 180 1' (H234572-18)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/25/2023	ND	1.87	93.3	2.00	5.26		
Toluene*	<0.050	0.050	08/25/2023	ND	2.23	111	2.00	6.79		
Ethylbenzene*	<0.050	0.050	08/25/2023	ND	2.28	114	2.00	6.69		
Total Xylenes*	<0.150	0.150	08/25/2023	ND	6.76	113	6.00	6.20		
Total BTX	<0.300	0.300	08/25/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

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	08/24/2023	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	08/24/2023	ND	146	72.9	200	2.52	
DRO >C10-C28*	<10.0	10.0	08/24/2023	ND	137	68.4	200	14.8	
EXT DRO >C28-C36	<10.0	10.0	08/24/2023	ND					

Surrogate: 1-Chlorooctane 117 % 48.2-134

Surrogate: 1-Chlorooctadecane 118 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/22/2023
 Reported: 08/28/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/18/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 181 1' (H234572-19)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/25/2023	ND	1.87	93.3	2.00	5.26		
Toluene*	<0.050	0.050	08/25/2023	ND	2.23	111	2.00	6.79		
Ethylbenzene*	<0.050	0.050	08/25/2023	ND	2.28	114	2.00	6.69		
Total Xylenes*	<0.150	0.150	08/25/2023	ND	6.76	113	6.00	6.20		
Total BTEx	<0.300	0.300	08/25/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	08/24/2023	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	08/24/2023	ND	146	72.9	200	2.52	
DRO >C10-C28*	<10.0	10.0	08/24/2023	ND	137	68.4	200	14.8	
EXT DRO >C28-C36	<10.0	10.0	08/24/2023	ND					

Surrogate: 1-Chlorooctane 116 % 48.2-134

Surrogate: 1-Chlorooctadecane 120 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/22/2023
 Reported: 08/28/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/18/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 182 1' (H234572-20)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/25/2023	ND	2.02	101	2.00	2.50	
Toluene*	<0.050	0.050	08/25/2023	ND	2.01	100	2.00	1.91	
Ethylbenzene*	<0.050	0.050	08/25/2023	ND	2.09	105	2.00	2.85	
Total Xylenes*	<0.150	0.150	08/25/2023	ND	6.34	106	6.00	2.88	
Total BTEX	<0.300	0.300	08/25/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	08/24/2023	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	08/24/2023	ND	146	72.9	200	2.52	
DRO >C10-C28*	<10.0	10.0	08/24/2023	ND	137	68.4	200	14.8	
EXT DRO >C28-C36	<10.0	10.0	08/24/2023	ND					

Surrogate: 1-Chlorooctane 111 % 48.2-134

Surrogate: 1-Chlorooctadecane 115 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/22/2023
 Reported: 08/28/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/18/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 183 1' (H234572-21)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/25/2023	ND	2.02	101	2.00	2.50	
Toluene*	<0.050	0.050	08/25/2023	ND	2.01	100	2.00	1.91	
Ethylbenzene*	<0.050	0.050	08/25/2023	ND	2.09	105	2.00	2.85	
Total Xylenes*	<0.150	0.150	08/25/2023	ND	6.34	106	6.00	2.88	
Total BTX	<0.300	0.300	08/25/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/24/2023	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	08/24/2023	ND	146	72.9	200	2.52	
DRO >C10-C28*	<10.0	10.0	08/24/2023	ND	137	68.4	200	14.8	
EXT DRO >C28-C36	<10.0	10.0	08/24/2023	ND					

Surrogate: 1-Chlorooctane 85.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/22/2023
 Reported: 08/28/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/18/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 184 1' (H234572-22)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/25/2023	ND	2.02	101	2.00	2.50	
Toluene*	<0.050	0.050	08/25/2023	ND	2.01	100	2.00	1.91	
Ethylbenzene*	<0.050	0.050	08/25/2023	ND	2.09	105	2.00	2.85	
Total Xylenes*	<0.150	0.150	08/25/2023	ND	6.34	106	6.00	2.88	
Total BTEX	<0.300	0.300	08/25/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	08/24/2023	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	08/24/2023	ND	146	72.9	200	2.52	
DRO >C10-C28*	<10.0	10.0	08/24/2023	ND	137	68.4	200	14.8	
EXT DRO >C28-C36	<10.0	10.0	08/24/2023	ND					

Surrogate: 1-Chlorooctane 86.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/22/2023
 Reported: 08/28/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/18/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 185 1' (H234572-23)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/25/2023	ND	2.02	101	2.00	2.50	
Toluene*	<0.050	0.050	08/25/2023	ND	2.01	100	2.00	1.91	
Ethylbenzene*	<0.050	0.050	08/25/2023	ND	2.09	105	2.00	2.85	
Total Xylenes*	<0.150	0.150	08/25/2023	ND	6.34	106	6.00	2.88	
Total BTEx	<0.300	0.300	08/25/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	08/24/2023	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	08/24/2023	ND	146	72.9	200	2.52	
DRO >C10-C28*	<10.0	10.0	08/24/2023	ND	137	68.4	200	14.8	
EXT DRO >C28-C36	<10.0	10.0	08/24/2023	ND					

Surrogate: 1-Chlorooctane 88.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/22/2023
 Reported: 08/28/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/18/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 186 1' (H234572-24)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/25/2023	ND	2.02	101	2.00	2.50	
Toluene*	<0.050	0.050	08/25/2023	ND	2.01	100	2.00	1.91	
Ethylbenzene*	<0.050	0.050	08/25/2023	ND	2.09	105	2.00	2.85	
Total Xylenes*	<0.150	0.150	08/25/2023	ND	6.34	106	6.00	2.88	
Total BTEx	<0.300	0.300	08/25/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.2 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/24/2023	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	08/24/2023	ND	146	72.9	200	2.52	
DRO >C10-C28*	<10.0	10.0	08/24/2023	ND	137	68.4	200	14.8	
EXT DRO >C28-C36	<10.0	10.0	08/24/2023	ND					

Surrogate: 1-Chlorooctane 86.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/22/2023
 Reported: 08/28/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/18/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 187 1' (H234572-25)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/25/2023	ND	2.02	101	2.00	2.50	
Toluene*	<0.050	0.050	08/25/2023	ND	2.01	100	2.00	1.91	
Ethylbenzene*	<0.050	0.050	08/25/2023	ND	2.09	105	2.00	2.85	
Total Xylenes*	<0.150	0.150	08/25/2023	ND	6.34	106	6.00	2.88	
Total BTEx	<0.300	0.300	08/25/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	08/24/2023	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	08/24/2023	ND	146	72.9	200	2.52	
DRO >C10-C28*	<10.0	10.0	08/24/2023	ND	137	68.4	200	14.8	
EXT DRO >C28-C36	<10.0	10.0	08/24/2023	ND					

Surrogate: 1-Chlorooctane 83.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/22/2023
 Reported: 08/28/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/18/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 188 1' (H234572-26)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/25/2023	ND	2.02	101	2.00	2.50	
Toluene*	<0.050	0.050	08/25/2023	ND	2.01	100	2.00	1.91	
Ethylbenzene*	<0.050	0.050	08/25/2023	ND	2.09	105	2.00	2.85	
Total Xylenes*	<0.150	0.150	08/25/2023	ND	6.34	106	6.00	2.88	
Total BTEx	<0.300	0.300	08/25/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.9 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	08/24/2023	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	08/24/2023	ND	146	72.9	200	2.52	
DRO >C10-C28*	<10.0	10.0	08/24/2023	ND	137	68.4	200	14.8	
EXT DRO >C28-C36	<10.0	10.0	08/24/2023	ND					

Surrogate: 1-Chlorooctane 89.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/22/2023
 Reported: 08/28/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/18/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 189 1' (H234572-27)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/25/2023	ND	2.02	101	2.00	2.50	
Toluene*	<0.050	0.050	08/25/2023	ND	2.01	100	2.00	1.91	
Ethylbenzene*	<0.050	0.050	08/25/2023	ND	2.09	105	2.00	2.85	
Total Xylenes*	<0.150	0.150	08/25/2023	ND	6.34	106	6.00	2.88	
Total BTEX	<0.300	0.300	08/25/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	08/24/2023	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	08/24/2023	ND	146	72.9	200	2.52	
DRO >C10-C28*	<10.0	10.0	08/24/2023	ND	137	68.4	200	14.8	
EXT DRO >C28-C36	<10.0	10.0	08/24/2023	ND					

Surrogate: 1-Chlorooctane 84.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/22/2023
 Reported: 08/28/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/18/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 190 1' (H234572-28)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/25/2023	ND	2.02	101	2.00	2.50	
Toluene*	<0.050	0.050	08/25/2023	ND	2.01	100	2.00	1.91	
Ethylbenzene*	<0.050	0.050	08/25/2023	ND	2.09	105	2.00	2.85	
Total Xylenes*	<0.150	0.150	08/25/2023	ND	6.34	106	6.00	2.88	
Total BTEx	<0.300	0.300	08/25/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/24/2023	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	08/24/2023	ND	146	72.9	200	2.52	
DRO >C10-C28*	<10.0	10.0	08/24/2023	ND	137	68.4	200	14.8	
EXT DRO >C28-C36	<10.0	10.0	08/24/2023	ND					

Surrogate: 1-Chlorooctane 81.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/22/2023
 Reported: 08/28/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/18/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 191 1' (H234572-29)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/25/2023	ND	2.02	101	2.00	2.50	
Toluene*	<0.050	0.050	08/25/2023	ND	2.01	100	2.00	1.91	
Ethylbenzene*	<0.050	0.050	08/25/2023	ND	2.09	105	2.00	2.85	
Total Xylenes*	<0.150	0.150	08/25/2023	ND	6.34	106	6.00	2.88	
Total BTEX	<0.300	0.300	08/25/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/24/2023	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	08/24/2023	ND	146	72.9	200	2.52	
DRO >C10-C28*	<10.0	10.0	08/24/2023	ND	137	68.4	200	14.8	
EXT DRO >C28-C36	<10.0	10.0	08/24/2023	ND					

Surrogate: 1-Chlorooctane 82.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/22/2023
 Reported: 08/28/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/18/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 192 1' (H234572-30)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/25/2023	ND	2.02	101	2.00	2.50	
Toluene*	<0.050	0.050	08/25/2023	ND	2.01	100	2.00	1.91	
Ethylbenzene*	<0.050	0.050	08/25/2023	ND	2.09	105	2.00	2.85	
Total Xylenes*	<0.150	0.150	08/25/2023	ND	6.34	106	6.00	2.88	
Total BTEx	<0.300	0.300	08/25/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	08/24/2023	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	08/24/2023	ND	146	72.9	200	2.52	
DRO >C10-C28*	<10.0	10.0	08/24/2023	ND	137	68.4	200	14.8	
EXT DRO >C28-C36	<10.0	10.0	08/24/2023	ND					

Surrogate: 1-Chlorooctane 83.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/22/2023
 Reported: 08/28/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/18/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 193 1' (H234572-31)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/25/2023	ND	2.02	101	2.00	2.50	
Toluene*	<0.050	0.050	08/25/2023	ND	2.01	100	2.00	1.91	
Ethylbenzene*	<0.050	0.050	08/25/2023	ND	2.09	105	2.00	2.85	
Total Xylenes*	<0.150	0.150	08/25/2023	ND	6.34	106	6.00	2.88	
Total BTEx	<0.300	0.300	08/25/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	08/24/2023	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	08/24/2023	ND	146	72.9	200	2.52	
DRO >C10-C28*	<10.0	10.0	08/24/2023	ND	137	68.4	200	14.8	
EXT DRO >C28-C36	<10.0	10.0	08/24/2023	ND					

Surrogate: 1-Chlorooctane 87.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/22/2023
 Reported: 08/28/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/18/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 194 1' (H234572-32)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/25/2023	ND	2.02	101	2.00	2.50	
Toluene*	<0.050	0.050	08/25/2023	ND	2.01	100	2.00	1.91	
Ethylbenzene*	<0.050	0.050	08/25/2023	ND	2.09	105	2.00	2.85	
Total Xylenes*	<0.150	0.150	08/25/2023	ND	6.34	106	6.00	2.88	
Total BTEx	<0.300	0.300	08/25/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/24/2023	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	08/24/2023	ND	146	72.9	200	2.52	
DRO >C10-C28*	<10.0	10.0	08/24/2023	ND	137	68.4	200	14.8	
EXT DRO >C28-C36	<10.0	10.0	08/24/2023	ND					

Surrogate: 1-Chlorooctane 87.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/22/2023
 Reported: 08/28/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/18/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 195 1' (H234572-33)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/25/2023	ND	2.02	101	2.00	2.50		
Toluene*	<0.050	0.050	08/25/2023	ND	2.01	100	2.00	1.91		
Ethylbenzene*	<0.050	0.050	08/25/2023	ND	2.09	105	2.00	2.85		
Total Xylenes*	<0.150	0.150	08/25/2023	ND	6.34	106	6.00	2.88		
Total BTEx	<0.300	0.300	08/25/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/24/2023	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	08/24/2023	ND	146	72.9	200	2.52	
DRO >C10-C28*	<10.0	10.0	08/24/2023	ND	137	68.4	200	14.8	
EXT DRO >C28-C36	<10.0	10.0	08/24/2023	ND					

Surrogate: 1-Chlorooctane 84.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/22/2023
 Reported: 08/28/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/18/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 196 1' (H234572-34)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/25/2023	ND	2.02	101	2.00	2.50	
Toluene*	<0.050	0.050	08/25/2023	ND	2.01	100	2.00	1.91	
Ethylbenzene*	<0.050	0.050	08/25/2023	ND	2.09	105	2.00	2.85	
Total Xylenes*	<0.150	0.150	08/25/2023	ND	6.34	106	6.00	2.88	
Total BTEX	<0.300	0.300	08/25/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/24/2023	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	08/24/2023	ND	146	72.9	200	2.52	
DRO >C10-C28*	<10.0	10.0	08/24/2023	ND	137	68.4	200	14.8	
EXT DRO >C28-C36	<10.0	10.0	08/24/2023	ND					

Surrogate: 1-Chlorooctane 76.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/22/2023
 Reported: 08/28/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/18/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 197 1' (H234572-35)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/25/2023	ND	2.02	101	2.00	2.50	
Toluene*	<0.050	0.050	08/25/2023	ND	2.01	100	2.00	1.91	
Ethylbenzene*	<0.050	0.050	08/25/2023	ND	2.09	105	2.00	2.85	
Total Xylenes*	<0.150	0.150	08/25/2023	ND	6.34	106	6.00	2.88	
Total BTEx	<0.300	0.300	08/25/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	08/24/2023	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	08/24/2023	ND	146	72.9	200	2.52	
DRO >C10-C28*	<10.0	10.0	08/24/2023	ND	137	68.4	200	14.8	
EXT DRO >C28-C36	<10.0	10.0	08/24/2023	ND					

Surrogate: 1-Chlorooctane 85.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/22/2023
 Reported: 08/28/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/18/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 198 1' (H234572-36)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/25/2023	ND	2.02	101	2.00	2.50	
Toluene*	<0.050	0.050	08/25/2023	ND	2.01	100	2.00	1.91	
Ethylbenzene*	<0.050	0.050	08/25/2023	ND	2.09	105	2.00	2.85	
Total Xylenes*	<0.150	0.150	08/25/2023	ND	6.34	106	6.00	2.88	
Total BTEx	<0.300	0.300	08/25/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.4 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	08/24/2023	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	08/24/2023	ND	146	72.9	200	2.52	
DRO >C10-C28*	<10.0	10.0	08/24/2023	ND	137	68.4	200	14.8	
EXT DRO >C28-C36	<10.0	10.0	08/24/2023	ND					

Surrogate: 1-Chlorooctane 87.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/22/2023
 Reported: 08/28/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/18/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 199 1' (H234572-37)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/25/2023	ND	2.02	101	2.00	2.50	
Toluene*	<0.050	0.050	08/25/2023	ND	2.01	100	2.00	1.91	
Ethylbenzene*	<0.050	0.050	08/25/2023	ND	2.09	105	2.00	2.85	
Total Xylenes*	<0.150	0.150	08/25/2023	ND	6.34	106	6.00	2.88	
Total BTEX	<0.300	0.300	08/25/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/24/2023	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	08/24/2023	ND	146	72.9	200	2.52	
DRO >C10-C28*	<10.0	10.0	08/24/2023	ND	137	68.4	200	14.8	
EXT DRO >C28-C36	<10.0	10.0	08/24/2023	ND					

Surrogate: 1-Chlorooctane 81.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/22/2023
 Reported: 08/28/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/18/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 200 1' (H234572-38)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/25/2023	ND	2.02	101	2.00	2.50	
Toluene*	<0.050	0.050	08/25/2023	ND	2.01	100	2.00	1.91	
Ethylbenzene*	<0.050	0.050	08/25/2023	ND	2.09	105	2.00	2.85	
Total Xylenes*	<0.150	0.150	08/25/2023	ND	6.34	106	6.00	2.88	
Total BTEX	<0.300	0.300	08/25/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.1 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/24/2023	ND	416	104	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	08/24/2023	ND	150	75.0	200	1.62	
DRO >C10-C28*	<10.0	10.0	08/24/2023	ND	168	83.9	200	0.664	
EXT DRO >C28-C36	<10.0	10.0	08/24/2023	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 121 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/22/2023
 Reported: 08/28/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/18/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 201 1' (H234572-39)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/25/2023	ND	2.02	101	2.00	2.50	
Toluene*	<0.050	0.050	08/25/2023	ND	2.01	100	2.00	1.91	
Ethylbenzene*	<0.050	0.050	08/25/2023	ND	2.09	105	2.00	2.85	QR-03
Total Xylenes*	<0.150	0.150	08/25/2023	ND	6.34	106	6.00	2.88	QR-03
Total BTEX	<0.300	0.300	08/25/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/24/2023	ND	416	104	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	08/24/2023	ND	150	75.0	200	1.62	
DRO >C10-C28*	<10.0	10.0	08/24/2023	ND	168	83.9	200	0.664	
EXT DRO >C28-C36	<10.0	10.0	08/24/2023	ND					

Surrogate: 1-Chlorooctane 91.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/22/2023
 Reported: 08/28/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/18/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 202 2' (H234572-40)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/25/2023	ND	1.87	93.4	2.00	1.73		
Toluene*	<0.050	0.050	08/25/2023	ND	1.88	93.9	2.00	0.218		
Ethylbenzene*	<0.050	0.050	08/25/2023	ND	1.94	96.8	2.00	1.44		
Total Xylenes*	<0.150	0.150	08/25/2023	ND	5.73	95.6	6.00	2.05		
Total BTEX	<0.300	0.300	08/25/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/24/2023	ND	416	104	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	08/24/2023	ND	150	75.0	200	1.62	
DRO >C10-C28*	<10.0	10.0	08/24/2023	ND	168	83.9	200	0.664	
EXT DRO >C28-C36	<10.0	10.0	08/24/2023	ND					

Surrogate: 1-Chlorooctane 99.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 113 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/22/2023
 Reported: 08/28/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/18/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 203 2' (H234572-41)

BTX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/25/2023	ND	1.87	93.4	2.00	1.73		
Toluene*	<0.050	0.050	08/25/2023	ND	1.88	93.9	2.00	0.218		
Ethylbenzene*	<0.050	0.050	08/25/2023	ND	1.94	96.8	2.00	1.44		
Total Xylenes*	<0.150	0.150	08/25/2023	ND	5.73	95.6	6.00	2.05		
Total BTX	<0.300	0.300	08/25/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	08/24/2023	ND	416	104	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	08/24/2023	ND	150	75.0	200	1.62	
DRO >C10-C28*	<10.0	10.0	08/24/2023	ND	168	83.9	200	0.664	
EXT DRO >C28-C36	<10.0	10.0	08/24/2023	ND					

Surrogate: 1-Chlorooctane 88.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.4 % 49.1-148

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Notes and Definitions

QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
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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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Ensolum, LLC				BILL TO				ANALYSIS REQUEST					
Project Manager: Hadlie Green				P.O. #:									
Address: 601 N Marlenfeld Street, Suite 400				Company: BTA Oil									
City: Midland				Attn: Kelton Beaird									
Phone #: 432-557-8895				Address: 104 S Pecos St									
Fax #: 432-557-8895				City: Midland									
Project #: 03C2012042				State: TX Zip: 79701									
Project Name: Rojo AE 7811 JV-P Fed 001H				Phone #: 432-312-2203									
Project Location: 32.1076101, -103.564101				Fax #:									
Sampler Name: Peter Van Patten													
FOR LAB USE ONLY													
Lab I.D.	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX		PRESERV.	SAMPLING					
					GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :
H234572	FS163	1	C	1									
	FS164	1	C	1									
	FS165	1	C	1									
	FS166	1	C	1									
	FS167	1	C	1									
	FS168	1	C	1									
	FS169	1	C	1									
	FS170	1	C	1									
	FS171	1	C	1									
	FS172	1	C	1									
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Relinquished By: <i>[Signature]</i>				Received By: <i>[Signature]</i>									
Relinquished By: <i>[Signature]</i>				Received By: <i>[Signature]</i>									
Date: 8/23/23				DATE									
Time: 1447				TIME									
Delivered By: (Circle One)				Sample Condition				CHECKED BY: <i>[Signature]</i>					
Sampler - UPS - Bus - Other:				Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				Turnaround Time: <i>[Signature]</i>					
Observed Temp. °C: -1.2				Corrected Temp. °C: -1.2				Standard <i>[Signature]</i>					
				Bacteria (only) <input type="checkbox"/> Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/>				Sample Condition <input type="checkbox"/> Observed Temp. °C <input type="checkbox"/> Corrected Temp. °C <input type="checkbox"/>					
				Thermometer ID: #115				Add'l Phone #: <i>[Signature]</i>					
				Corrected Factor: -0.5				All Results are emailed. Please provide Email address: <i>[Signature]</i>					
				Remarks: <i>[Signature]</i>				hgreen@ensolum.com					

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



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Ensolum, LLC		BILL TO		ANALYSIS REQUEST	
Project Manager: Hadlie Green		P.O. #:			
Address: 601 N Marland Street, Suite 400		Company: BTA Oil			
City: Midland		Attn: Kelton Beaird			
State: TX Zip: 79701		Address: 104 S Pecos St			
Phone #: 432-557-8895 Fax #:		City: Midland			
Project #: 03C2012042 Project Owner:		State: TX Zip: 79701			
Project Name: Rojo AE 7811 JV-P Fed 001H		Phone #: 432-312-2203			
Project Location: 32.1076101,-103.564101		Fax #:			
Sampler Name: Peter Van Patten					

Lab I.D.	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						PRESERV.	DATE	TIME	TPH	BTEX	Chloride
					GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :						
4734572	FS183	1	C	1								8.18.8	1044	-	-	-
	FS184	1	C	1								12049	-	-	-	-
	FS185	1	C	1								10500	-	-	-	-
	FS186	1	C	1								10508	-	-	-	-
	FS187	1	C	1								12058	-	-	-	-
	FS188	1	C	1								12009	-	-	-	-
	FS189	1	C	1								12014	-	-	-	-
	FS190	1	C	1								12214	-	-	-	-
	FS191	1	C	1								12216	-	-	-	-
	FS192	1	C	1								12117	-	-	-	-

Relinquished By: <i>[Signature]</i>		Received By: <i>[Signature]</i>	
Date: 10/13/23	Time: 1447	Date: 10/13/23	Time: 1447
Relinquished By: <i>[Signature]</i>		Received By: <i>[Signature]</i>	
Date: 10/13/23		Time: 1447	
Delivered By: (Circle One)		Sample Condition	
Sampler - UPS - Bus - Other:	Observed Temp.: °C	Cool Intact	Checked BY: (Initials)
	Corrected Temp.: °C	Yes <input type="checkbox"/> No <input type="checkbox"/>	
Turnaround Time:		Standard	Bacteria (only) Sample Condition
	Thermometer ID: #443	Rush	Cool Intact
	Correction Factor: 0.05	#140	Yes <input type="checkbox"/> No <input type="checkbox"/>
			Observed Temp.: °C
			Corrected Temp.: °C

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

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

REMARKS:

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



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Ensolum, LLC		BILL TO		ANALYSIS REQUEST	
Project Manager: Hadlie Green		P.O. #:			
Address: 601 N Marland Street, Suite 400		Company: BTA Oil			
City: Midland		Attn: Kelton Beaird			
State: TX Zip: 79701		Address: 104 S Pecos St			
Phone #: 432-557-8895		City: Midland			
Fax #:		State: TX Zip: 79701			
Project #: 03C2012042		Project Owner:			
Project Name: Rojo AE 7811 JV-P Fed 001H		State: TX Zip: 79701			
Project Location: 32.1076101, -103.564101		Phone #: 432-312-2203			
Sampler Name: Peter Van Patten		Fax #:			

Lab I.D.	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	TPH	BTEX	Chlorides
					GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :					
31	FS193	1		1							8.18.23	1220	X	X	X
32	FS194	1		1							1224	1224	X	X	X
33	FS195	1		1							1227	1227	X	X	X
34	FS196	1		1							1234	1234	X	X	X
35	FS197	1		1							1236	1236	X	X	X
36	FS198	1		1							1238	1238	X	X	X
37	FS199	1		1							1243	1243	X	X	X
38	FS200	1		1							1247	1247	X	X	X
39	FS201	1		1							1248	1248	X	X	X
40	FS202	0.2		1							1304	1304	X	X	X

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Relinquished By: <i>John Van Patten</i>	Date: 10/13/23	Received By: <i>Stacy Green</i>	Date: 10/13/23
Relinquished By:	Date:	Received By:	Date:

Turnaround Time: *Standard* ☒ *Rush* ☐ *Add'l Phone #:*

Thermometer ID #113 *140* ☒ *Standard* ☐ *Bacteria (only)* ☐ *Sample Condition*

Thermometer Factor: -0.3°C ☐ *Yes* ☒ *No* ☐ *Cool Intact* ☐ *Yes* ☒ *No* ☐ *Corrected Temp. °C*

Remarks: *hgreen@ensolum.com*

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

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

Delivered By: (Circle One) *Observed Temp. °C* *-1.2°C* *Sample Condition* *Cool Intact* ☒ *Yes* ☐ *No* ☐ *Checked By: (Initials)* *SK* *Turnaround Time:* *Standard* ☒ *Rush* ☐ *Bacteria (only)* ☐ *Sample Condition* *Cool Intact* ☐ *Yes* ☒ *No* ☐ *Corrected Temp. °C*

Sampler - UPS - Bus - Other:



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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



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

August 28, 2023

HADLIE GREEN

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: ROJO AE 7811 JV-P FED 001H

Enclosed are the results of analyses for samples received by the laboratory on 08/22/23 14:47.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, stylized 'C' and 'K'.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/22/2023
 Reported: 08/28/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/21/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 204 2' (H234573-01)

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/25/2023	ND	1.87	93.4	2.00	1.73	
Toluene*	<0.050	0.050	08/25/2023	ND	1.88	93.9	2.00	0.218	
Ethylbenzene*	<0.050	0.050	08/25/2023	ND	1.94	96.8	2.00	1.44	
Total Xylenes*	<0.150	0.150	08/25/2023	ND	5.73	95.6	6.00	2.05	
Total BTEx	<0.300	0.300	08/25/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/24/2023	ND	416	104	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	08/24/2023	ND	150	75.0	200	1.62	
DRO >C10-C28*	<10.0	10.0	08/24/2023	ND	168	83.9	200	0.664	
EXT DRO >C28-C36	<10.0	10.0	08/24/2023	ND					

Surrogate: 1-Chlorooctane 96.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 111 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/22/2023
 Reported: 08/28/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/21/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 205 2' (H234573-02)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/25/2023	ND	1.87	93.4	2.00	1.73		
Toluene*	<0.050	0.050	08/25/2023	ND	1.88	93.9	2.00	0.218		
Ethylbenzene*	<0.050	0.050	08/25/2023	ND	1.94	96.8	2.00	1.44		
Total Xylenes*	<0.150	0.150	08/25/2023	ND	5.73	95.6	6.00	2.05		
Total BTEX	<0.300	0.300	08/25/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	08/24/2023	ND	416	104	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	08/24/2023	ND	150	75.0	200	1.62	
DRO >C10-C28*	<10.0	10.0	08/24/2023	ND	168	83.9	200	0.664	
EXT DRO >C28-C36	<10.0	10.0	08/24/2023	ND					

Surrogate: 1-Chlorooctane 99.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 113 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/22/2023
 Reported: 08/28/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/21/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 206 2' (H234573-03)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/25/2023	ND	1.87	93.4	2.00	1.73		
Toluene*	<0.050	0.050	08/25/2023	ND	1.88	93.9	2.00	0.218		
Ethylbenzene*	<0.050	0.050	08/25/2023	ND	1.94	96.8	2.00	1.44		
Total Xylenes*	<0.150	0.150	08/25/2023	ND	5.73	95.6	6.00	2.05		
Total BTEX	<0.300	0.300	08/25/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/24/2023	ND	416	104	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	08/24/2023	ND	150	75.0	200	1.62	
DRO >C10-C28*	<10.0	10.0	08/24/2023	ND	168	83.9	200	0.664	
EXT DRO >C28-C36	<10.0	10.0	08/24/2023	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 114 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/22/2023
 Reported: 08/28/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/21/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 207 2' (H234573-04)

BTX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/25/2023	ND	1.87	93.4	2.00	1.73		
Toluene*	<0.050	0.050	08/25/2023	ND	1.88	93.9	2.00	0.218		
Ethylbenzene*	<0.050	0.050	08/25/2023	ND	1.94	96.8	2.00	1.44		
Total Xylenes*	<0.150	0.150	08/25/2023	ND	5.73	95.6	6.00	2.05		
Total BTX	<0.300	0.300	08/25/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 116 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	08/24/2023	ND	416	104	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	08/24/2023	ND	150	75.0	200	1.62	
DRO >C10-C28*	<10.0	10.0	08/24/2023	ND	168	83.9	200	0.664	
EXT DRO >C28-C36	<10.0	10.0	08/24/2023	ND					

Surrogate: 1-Chlorooctane 99.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 114 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/22/2023
 Reported: 08/28/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/21/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 208 2' (H234573-05)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/25/2023	ND	1.87	93.4	2.00	1.73		
Toluene*	<0.050	0.050	08/25/2023	ND	1.88	93.9	2.00	0.218		
Ethylbenzene*	<0.050	0.050	08/25/2023	ND	1.94	96.8	2.00	1.44		
Total Xylenes*	<0.150	0.150	08/25/2023	ND	5.73	95.6	6.00	2.05		
Total BTEx	<0.300	0.300	08/25/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/24/2023	ND	416	104	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	08/24/2023	ND	150	75.0	200	1.62	
DRO >C10-C28*	<10.0	10.0	08/24/2023	ND	168	83.9	200	0.664	
EXT DRO >C28-C36	<10.0	10.0	08/24/2023	ND					

Surrogate: 1-Chlorooctane 98.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 112 % 49.1-148

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/22/2023
 Reported: 08/28/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/21/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 209 2' (H234573-06)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/25/2023	ND	1.87	93.4	2.00	1.73		
Toluene*	<0.050	0.050	08/25/2023	ND	1.88	93.9	2.00	0.218		
Ethylbenzene*	<0.050	0.050	08/25/2023	ND	1.94	96.8	2.00	1.44		
Total Xylenes*	<0.150	0.150	08/25/2023	ND	5.73	95.6	6.00	2.05		
Total BTEX	<0.300	0.300	08/25/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/24/2023	ND	416	104	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	08/24/2023	ND	150	75.0	200	1.62	
DRO >C10-C28*	<10.0	10.0	08/24/2023	ND	168	83.9	200	0.664	
EXT DRO >C28-C36	<10.0	10.0	08/24/2023	ND					

Surrogate: 1-Chlorooctane 90.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/22/2023
 Reported: 08/28/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/21/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 210 2' (H234573-07)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/25/2023	ND	1.87	93.4	2.00	1.73		
Toluene*	<0.050	0.050	08/25/2023	ND	1.88	93.9	2.00	0.218		
Ethylbenzene*	<0.050	0.050	08/25/2023	ND	1.94	96.8	2.00	1.44		
Total Xylenes*	<0.150	0.150	08/25/2023	ND	5.73	95.6	6.00	2.05		
Total BTEX	<0.300	0.300	08/25/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/24/2023	ND	416	104	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	08/24/2023	ND	150	75.0	200	1.62	
DRO >C10-C28*	<10.0	10.0	08/24/2023	ND	168	83.9	200	0.664	
EXT DRO >C28-C36	<10.0	10.0	08/24/2023	ND					

Surrogate: 1-Chlorooctane 91.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/22/2023
 Reported: 08/28/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/21/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 211 2' (H234573-08)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/25/2023	ND	1.87	93.4	2.00	1.73		
Toluene*	<0.050	0.050	08/25/2023	ND	1.88	93.9	2.00	0.218		
Ethylbenzene*	<0.050	0.050	08/25/2023	ND	1.94	96.8	2.00	1.44		
Total Xylenes*	<0.150	0.150	08/25/2023	ND	5.73	95.6	6.00	2.05		
Total BTEX	<0.300	0.300	08/25/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/24/2023	ND	416	104	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	08/24/2023	ND	150	75.0	200	1.62	
DRO >C10-C28*	<10.0	10.0	08/24/2023	ND	168	83.9	200	0.664	
EXT DRO >C28-C36	<10.0	10.0	08/24/2023	ND					

Surrogate: 1-Chlorooctane 92.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/22/2023
 Reported: 08/28/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/21/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 212 2' (H234573-09)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/25/2023	ND	1.87	93.4	2.00	1.73		
Toluene*	<0.050	0.050	08/25/2023	ND	1.88	93.9	2.00	0.218		
Ethylbenzene*	<0.050	0.050	08/25/2023	ND	1.94	96.8	2.00	1.44		
Total Xylenes*	<0.150	0.150	08/25/2023	ND	5.73	95.6	6.00	2.05		
Total BTEX	<0.300	0.300	08/25/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/24/2023	ND	416	104	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	08/24/2023	ND	150	75.0	200	1.62	
DRO >C10-C28*	<10.0	10.0	08/24/2023	ND	168	83.9	200	0.664	
EXT DRO >C28-C36	<10.0	10.0	08/24/2023	ND					

Surrogate: 1-Chlorooctane 97.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 114 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/22/2023
 Reported: 08/28/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/21/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 213 2' (H234573-10)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/25/2023	ND	1.87	93.4	2.00	1.73		
Toluene*	<0.050	0.050	08/25/2023	ND	1.88	93.9	2.00	0.218		
Ethylbenzene*	<0.050	0.050	08/25/2023	ND	1.94	96.8	2.00	1.44		
Total Xylenes*	<0.150	0.150	08/25/2023	ND	5.73	95.6	6.00	2.05		
Total BTEX	<0.300	0.300	08/25/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	08/24/2023	ND	416	104	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	08/24/2023	ND	150	75.0	200	1.62	
DRO >C10-C28*	<10.0	10.0	08/24/2023	ND	168	83.9	200	0.664	
EXT DRO >C28-C36	<10.0	10.0	08/24/2023	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 130 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/22/2023
 Reported: 08/28/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/21/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 214 2' (H234573-11)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/25/2023	ND	1.87	93.4	2.00	1.73		
Toluene*	<0.050	0.050	08/25/2023	ND	1.88	93.9	2.00	0.218		
Ethylbenzene*	<0.050	0.050	08/25/2023	ND	1.94	96.8	2.00	1.44		
Total Xylenes*	<0.150	0.150	08/25/2023	ND	5.73	95.6	6.00	2.05		
Total BTEX	<0.300	0.300	08/25/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/24/2023	ND	416	104	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	08/24/2023	ND	150	75.0	200	1.62	
DRO >C10-C28*	<10.0	10.0	08/24/2023	ND	168	83.9	200	0.664	
EXT DRO >C28-C36	<10.0	10.0	08/24/2023	ND					

Surrogate: 1-Chlorooctane 98.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 111 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/22/2023
 Reported: 08/28/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/21/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 215 2' (H234573-12)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/25/2023	ND	1.87	93.4	2.00	1.73		
Toluene*	<0.050	0.050	08/25/2023	ND	1.88	93.9	2.00	0.218		
Ethylbenzene*	<0.050	0.050	08/25/2023	ND	1.94	96.8	2.00	1.44		
Total Xylenes*	<0.150	0.150	08/25/2023	ND	5.73	95.6	6.00	2.05		
Total BTEX	<0.300	0.300	08/25/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	08/24/2023	ND	416	104	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	08/24/2023	ND	150	75.0	200	1.62	
DRO >C10-C28*	<10.0	10.0	08/24/2023	ND	168	83.9	200	0.664	
EXT DRO >C28-C36	<10.0	10.0	08/24/2023	ND					

Surrogate: 1-Chlorooctane 97.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 110 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/22/2023
 Reported: 08/28/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/21/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 216 2' (H234573-13)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/25/2023	ND	1.87	93.4	2.00	1.73		
Toluene*	<0.050	0.050	08/25/2023	ND	1.88	93.9	2.00	0.218		
Ethylbenzene*	<0.050	0.050	08/25/2023	ND	1.94	96.8	2.00	1.44		
Total Xylenes*	<0.150	0.150	08/25/2023	ND	5.73	95.6	6.00	2.05		
Total BTEx	<0.300	0.300	08/25/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/24/2023	ND	416	104	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	08/24/2023	ND	150	75.0	200	1.62	
DRO >C10-C28*	<10.0	10.0	08/24/2023	ND	168	83.9	200	0.664	
EXT DRO >C28-C36	<10.0	10.0	08/24/2023	ND					

Surrogate: 1-Chlorooctane 98.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 112 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/22/2023
 Reported: 08/28/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/21/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 217 2' (H234573-14)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/25/2023	ND	1.87	93.4	2.00	1.73		
Toluene*	<0.050	0.050	08/25/2023	ND	1.88	93.9	2.00	0.218		
Ethylbenzene*	<0.050	0.050	08/25/2023	ND	1.94	96.8	2.00	1.44		
Total Xylenes*	<0.150	0.150	08/25/2023	ND	5.73	95.6	6.00	2.05		
Total BTEx	<0.300	0.300	08/25/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	08/24/2023	ND	416	104	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	08/24/2023	ND	150	75.0	200	1.62	
DRO >C10-C28*	<10.0	10.0	08/24/2023	ND	168	83.9	200	0.664	
EXT DRO >C28-C36	<10.0	10.0	08/24/2023	ND					

Surrogate: 1-Chlorooctane 98.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 112 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/22/2023
 Reported: 08/28/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/21/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 218 2' (H234573-15)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/25/2023	ND	1.87	93.4	2.00	1.73		
Toluene*	<0.050	0.050	08/25/2023	ND	1.88	93.9	2.00	0.218		
Ethylbenzene*	<0.050	0.050	08/25/2023	ND	1.94	96.8	2.00	1.44		
Total Xylenes*	<0.150	0.150	08/25/2023	ND	5.73	95.6	6.00	2.05		
Total BTEx	<0.300	0.300	08/25/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/24/2023	ND	416	104	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	08/24/2023	ND	150	75.0	200	1.62	
DRO >C10-C28*	<10.0	10.0	08/24/2023	ND	168	83.9	200	0.664	
EXT DRO >C28-C36	<10.0	10.0	08/24/2023	ND					

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 125 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/22/2023
 Reported: 08/28/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/21/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 219 2' (H234573-16)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/25/2023	ND	1.87	93.4	2.00	1.73		
Toluene*	<0.050	0.050	08/25/2023	ND	1.88	93.9	2.00	0.218		
Ethylbenzene*	<0.050	0.050	08/25/2023	ND	1.94	96.8	2.00	1.44		
Total Xylenes*	<0.150	0.150	08/25/2023	ND	5.73	95.6	6.00	2.05		
Total BTEX	<0.300	0.300	08/25/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	08/24/2023	ND	416	104	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	08/24/2023	ND	150	75.0	200	1.62	
DRO >C10-C28*	<10.0	10.0	08/24/2023	ND	168	83.9	200	0.664	
EXT DRO >C28-C36	<10.0	10.0	08/24/2023	ND					

Surrogate: 1-Chlorooctane 93.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/22/2023
 Reported: 08/28/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/21/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 220 2' (H234573-17)

BTEX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/25/2023	ND	1.87	93.4	2.00	1.73		
Toluene*	<0.050	0.050	08/25/2023	ND	1.88	93.9	2.00	0.218		
Ethylbenzene*	<0.050	0.050	08/25/2023	ND	1.94	96.8	2.00	1.44		
Total Xylenes*	<0.150	0.150	08/25/2023	ND	5.73	95.6	6.00	2.05		
Total BTEX	<0.300	0.300	08/25/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/25/2023	ND	416	104	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	08/24/2023	ND	157	78.6	200	2.57	
DRO >C10-C28*	<10.0	10.0	08/24/2023	ND	163	81.7	200	1.27	
EXT DRO >C28-C36	<10.0	10.0	08/24/2023	ND					

Surrogate: 1-Chlorooctane 81.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/22/2023
 Reported: 08/28/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/21/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 221 2' (H234573-18)

BTEX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/25/2023	ND	1.87	93.4	2.00	1.73		
Toluene*	<0.050	0.050	08/25/2023	ND	1.88	93.9	2.00	0.218		
Ethylbenzene*	<0.050	0.050	08/25/2023	ND	1.94	96.8	2.00	1.44		
Total Xylenes*	<0.150	0.150	08/25/2023	ND	5.73	95.6	6.00	2.05		
Total BTEX	<0.300	0.300	08/25/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

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	08/25/2023	ND	416	104	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	08/24/2023	ND	157	78.6	200	2.57	
DRO >C10-C28*	<10.0	10.0	08/24/2023	ND	163	81.7	200	1.27	
EXT DRO >C28-C36	<10.0	10.0	08/24/2023	ND					

Surrogate: 1-Chlorooctane 82.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/22/2023
 Reported: 08/28/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/21/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 222 2' (H234573-19)

BTX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/26/2023	ND	1.90	94.8	2.00	0.212		
Toluene*	<0.050	0.050	08/26/2023	ND	2.01	101	2.00	6.25		
Ethylbenzene*	<0.050	0.050	08/26/2023	ND	1.95	97.7	2.00	0.302		
Total Xylenes*	<0.150	0.150	08/26/2023	ND	5.76	96.0	6.00	1.94		
Total BTX	<0.300	0.300	08/26/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	08/25/2023	ND	416	104	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	08/24/2023	ND	157	78.6	200	2.57	
DRO >C10-C28*	<10.0	10.0	08/24/2023	ND	163	81.7	200	1.27	
EXT DRO >C28-C36	<10.0	10.0	08/24/2023	ND					

Surrogate: 1-Chlorooctane 77.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/22/2023
 Reported: 08/28/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/21/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 223 2' (H234573-20)

BTX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/26/2023	ND	1.90	94.8	2.00	0.212	
Toluene*	<0.050	0.050	08/26/2023	ND	2.01	101	2.00	6.25	
Ethylbenzene*	<0.050	0.050	08/26/2023	ND	1.95	97.7	2.00	0.302	
Total Xylenes*	<0.150	0.150	08/26/2023	ND	5.76	96.0	6.00	1.94	
Total BTX	<0.300	0.300	08/26/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	08/25/2023	ND	416	104	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	08/24/2023	ND	157	78.6	200	2.57	
DRO >C10-C28*	<10.0	10.0	08/24/2023	ND	163	81.7	200	1.27	
EXT DRO >C28-C36	<10.0	10.0	08/24/2023	ND					

Surrogate: 1-Chlorooctane 79.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/22/2023
 Reported: 08/28/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/21/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 224 2' (H234573-21)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/26/2023	ND	1.90	94.8	2.00	0.212		
Toluene*	<0.050	0.050	08/26/2023	ND	2.01	101	2.00	6.25		
Ethylbenzene*	<0.050	0.050	08/26/2023	ND	1.95	97.7	2.00	0.302		
Total Xylenes*	<0.150	0.150	08/26/2023	ND	5.76	96.0	6.00	1.94		
Total BTEX	<0.300	0.300	08/26/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 116 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/25/2023	ND	416	104	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	08/24/2023	ND	157	78.6	200	2.57	
DRO >C10-C28*	<10.0	10.0	08/24/2023	ND	163	81.7	200	1.27	
EXT DRO >C28-C36	<10.0	10.0	08/24/2023	ND					

Surrogate: 1-Chlorooctane 88.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/22/2023
 Reported: 08/28/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/21/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 225 2' (H234573-22)

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/26/2023	ND	1.90	94.8	2.00	0.212	
Toluene*	<0.050	0.050	08/26/2023	ND	2.01	101	2.00	6.25	
Ethylbenzene*	<0.050	0.050	08/26/2023	ND	1.95	97.7	2.00	0.302	
Total Xylenes*	<0.150	0.150	08/26/2023	ND	5.76	96.0	6.00	1.94	
Total BTEx	<0.300	0.300	08/26/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	08/25/2023	ND	416	104	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	08/24/2023	ND	157	78.6	200	2.57	
DRO >C10-C28*	<10.0	10.0	08/24/2023	ND	163	81.7	200	1.27	
EXT DRO >C28-C36	<10.0	10.0	08/24/2023	ND					

Surrogate: 1-Chlorooctane 78.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/22/2023
 Reported: 08/28/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/21/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 226 2' (H234573-23)

BTX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/26/2023	ND	1.90	94.8	2.00	0.212	
Toluene*	<0.050	0.050	08/26/2023	ND	2.01	101	2.00	6.25	
Ethylbenzene*	<0.050	0.050	08/26/2023	ND	1.95	97.7	2.00	0.302	
Total Xylenes*	<0.150	0.150	08/26/2023	ND	5.76	96.0	6.00	1.94	
Total BTX	<0.300	0.300	08/26/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	08/25/2023	ND	416	104	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	08/24/2023	ND	159	79.7	200	5.40	
DRO >C10-C28*	<10.0	10.0	08/24/2023	ND	168	84.0	200	8.67	
EXT DRO >C28-C36	<10.0	10.0	08/24/2023	ND					

Surrogate: 1-Chlorooctane 95.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 113 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/22/2023
 Reported: 08/28/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/21/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW 01 0-2' (H234573-24)

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/26/2023	ND	1.90	94.8	2.00	0.212	
Toluene*	<0.050	0.050	08/26/2023	ND	2.01	101	2.00	6.25	
Ethylbenzene*	<0.050	0.050	08/26/2023	ND	1.95	97.7	2.00	0.302	
Total Xylenes*	<0.150	0.150	08/26/2023	ND	5.76	96.0	6.00	1.94	
Total BTEX	<0.300	0.300	08/26/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

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	08/25/2023	ND	416	104	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	08/24/2023	ND	159	79.7	200	5.40	
DRO >C10-C28*	<10.0	10.0	08/24/2023	ND	168	84.0	200	8.67	
EXT DRO >C28-C36	<10.0	10.0	08/24/2023	ND					

Surrogate: 1-Chlorooctane 99.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 114 % 49.1-148

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

Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/22/2023
 Reported: 08/28/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/21/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW 02 0-2' (H234573-25)

BTX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/26/2023	ND	1.90	94.8	2.00	0.212	
Toluene*	<0.050	0.050	08/26/2023	ND	2.01	101	2.00	6.25	
Ethylbenzene*	<0.050	0.050	08/26/2023	ND	1.95	97.7	2.00	0.302	
Total Xylenes*	<0.150	0.150	08/26/2023	ND	5.76	96.0	6.00	1.94	
Total BTX	<0.300	0.300	08/26/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/25/2023	ND	416	104	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	08/24/2023	ND	159	79.7	200	5.40	
DRO >C10-C28*	<10.0	10.0	08/24/2023	ND	168	84.0	200	8.67	
EXT DRO >C28-C36	<10.0	10.0	08/24/2023	ND					

Surrogate: 1-Chlorooctane 99.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 115 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/22/2023
 Reported: 08/28/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/21/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW 03 0-2' (H234573-26)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/26/2023	ND	1.90	94.8	2.00	0.212		
Toluene*	<0.050	0.050	08/26/2023	ND	2.01	101	2.00	6.25		
Ethylbenzene*	<0.050	0.050	08/26/2023	ND	1.95	97.7	2.00	0.302		
Total Xylenes*	<0.150	0.150	08/26/2023	ND	5.76	96.0	6.00	1.94		
Total BTEX	<0.300	0.300	08/26/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	08/25/2023	ND	416	104	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	08/24/2023	ND	159	79.7	200	5.40	
DRO >C10-C28*	<10.0	10.0	08/24/2023	ND	168	84.0	200	8.67	
EXT DRO >C28-C36	<10.0	10.0	08/24/2023	ND					

Surrogate: 1-Chlorooctane 93.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/22/2023
 Reported: 08/28/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/21/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW 04 0-2' (H234573-27)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/26/2023	ND	1.90	94.8	2.00	0.212		
Toluene*	<0.050	0.050	08/26/2023	ND	2.01	101	2.00	6.25		
Ethylbenzene*	<0.050	0.050	08/26/2023	ND	1.95	97.7	2.00	0.302		
Total Xylenes*	<0.150	0.150	08/26/2023	ND	5.76	96.0	6.00	1.94		
Total BTEX	<0.300	0.300	08/26/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	08/25/2023	ND	416	104	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	08/24/2023	ND	159	79.7	200	5.40	
DRO >C10-C28*	<10.0	10.0	08/24/2023	ND	168	84.0	200	8.67	
EXT DRO >C28-C36	<10.0	10.0	08/24/2023	ND					

Surrogate: 1-Chlorooctane 95.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/22/2023
 Reported: 08/28/2023
 Project Name: ROJO AE 7811 JV-P FED 001H
 Project Number: 03C2012042
 Project Location: BTA 32.1076101,-103.564101

Sampling Date: 08/21/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW 05 0-2' (H234573-28)

BTX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/26/2023	ND	1.90	94.8	2.00	0.212	
Toluene*	<0.050	0.050	08/26/2023	ND	2.01	101	2.00	6.25	
Ethylbenzene*	<0.050	0.050	08/26/2023	ND	1.95	97.7	2.00	0.302	
Total Xylenes*	<0.150	0.150	08/26/2023	ND	5.76	96.0	6.00	1.94	
Total BTX	<0.300	0.300	08/26/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/25/2023	ND	416	104	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	08/24/2023	ND	159	79.7	200	5.40	
DRO >C10-C28*	<10.0	10.0	08/24/2023	ND	168	84.0	200	8.67	
EXT DRO >C28-C36	<10.0	10.0	08/24/2023	ND					

Surrogate: 1-Chlorooctane 94.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
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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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Ensolum, LLC

Project Manager: Hadlie Green

Address: 601 N Marland Street, Suite 400

City: Midland State: TX Zip: 79701

Phone #: 432-557-8895

Project #: 03C2012042

Project Name: Rojo AE 7811 JV-P Fed 001H

Project Location: 32.1076101,-103.564101

Sampler Name: Peter Van Patten

BILL TO

ANALYSIS REQUEST

P.O. #:

Company: BTA Oil

Attn: Kelton Beaird

Address: 104 S Pecos St

City: Midland

State: TX Zip: 79701

Phone #: 432-312-2203

Fax #:

FOR LAB USE ONLY

Lab I.D. Sample I.D.

Depth (feet)

H234573

FS204

FS205

FS206

FS207

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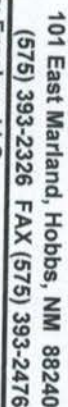
FS490



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]



ANALYSIS REQUEST

FOR LAB USE ONLY[illegible]

Relinquished By:

Date: 7/20

Received By:

no other such claim is based upon any of the above statements.

Verbal Pass

Yes ☐ No ☐ Not sure ☐

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Relinquished By:

Date:

Received By:

अथवा

REMARKS:

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Delivered By: (Circle One)

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Sample Condition	CHECKED BY.
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Turnaround

Time:	Class:	Date:
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Sampler - UPS - Bus - Other:

Corrected Temp. °C

7-2

Yes ☒ Yes

Thermometer

<input type="checkbox"/>	Cool Int
<input checked="" type="checkbox"/>	KUSH

fact

Observed Temp., °C

2

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



APPENDIX D

NMOCD Notifications

Hadlie Green

From: Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>
Sent: Thursday, August 10, 2023 3:58 PM
To: Hadlie Green
Cc: Bratcher, Michael, EMNRD; Harimon, Jocelyn, EMNRD; Maxwell, Ashley, EMNRD
Subject: RE: [EXTERNAL] BTA - Sampling Notification - Week of 08/14/2023

[**EXTERNAL EMAIL**]

Good afternoon Hadlie,

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 ensure inclusion in the project file.

Thank you,

Shelly

Shelly Wells * Environmental Specialist-Advanced
Environmental Bureau
EMNRD-Oil Conservation Division
1220 S. St. Francis Drive | Santa Fe, NM 87505
(505)469-7520 | Shelly.Wells@emnrd.nm.gov
<http://www.emnrd.state.nm.us/OCD/>

From: Hadlie Green <hgreen@ensolum.com>
Sent: Thursday, August 10, 2023 2:26 PM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Cc: Kelton Beaird <KBeaird@btaoil.com>; Peter Van Patten <pvanpatten@ensolum.com>
Subject: [EXTERNAL] BTA - Sampling Notification - Week of 08/14/2023

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

All,

BTA anticipates collecting confirmation samples at the following locations the week of August 14, 2023.

- Gem 4, 5, 7, 10 Battery, 8705 JV-P / NCH1903263128
 - Sampling Date: 8/14/2023 @ 9:00 AM MST
- Rojo AE 7811 JV-P Fed 001H / nCH1836251271
 - Sampling Date: 8/14-18/2023 @ 9:00 AM MST

Thank you,



Hadlie Green

Project Geologist

432-557-8895

hgreen@ensolum.com

Ensolum, LLC

in f 



APPENDIX E

Final 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	NCH1836251271
District RP	1RP-5295
Facility ID	
Application ID	pCH1836251636

Release Notification

Responsible Party

Responsible Party	BTA Oil Producers	OGRID	260297
Contact Name	Ben Grimes	Contact Telephone	(432) 682-3753
Contact email	bgrimes@btaoil.com	Incident #	NCH1836251271 ROJO AE 7811 JV-P
Contact mailing address	104 S. Pecos St., Midland, TX 79701		FED 001H @ 30-025-43476

Location of Release Source

Latitude 32.107610 Longitude -103.56410
(NAD 83 in decimal degrees to 5 decimal places)

Site Name	Rojo AE 7811 JV-P Fed 001H (closest well)	Site Type	Tank Battery
Date Release Discovered	12/02/2018	API# (if applicable)	30-025-43476

Unit Letter	Section	Township	Range	County
D	27	25S	33E	Lea

Surface Owner: ☐ State ☒ Federal ☐ Tribal ☐ Private (Name: _____)

Nature and Volume of Release

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

<input checked="" type="checkbox"/> Crude Oil	Volume Released (bbls)	350 BBL	Volume Recovered (bbls)	200 BBL
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls)	35 BBL	Volume Recovered (bbls)	20 BBL
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
<input type="checkbox"/> Condensate	Volume Released (bbls)		Volume Recovered (bbls)	
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)		Volume Recovered (Mcf)	
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)		Volume/Weight Recovered (provide units)	

Cause of Release

A dump valve froze into a closed position on the separator, causing the vessel to pressure up and the high pressure relief valve (pop-off) to open to prevent rupture of the vessel and the incoming lines.

Form C-141

State of New Mexico
Oil Conservation Division

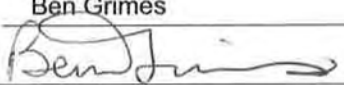
Page 2

Incident ID	
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If YES, for what reason(s) does the responsible party consider this a major release? The spill volume was greater than 25 BBL, which the NMOCD Rules define as a major release.
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? Email sent to Shelly Tucker, BLM, and Christina Hernandez, NMOCD, by Michael Alves, Cajun Energy, on 12/2/2018 at 9:02 PM.	

Initial Response

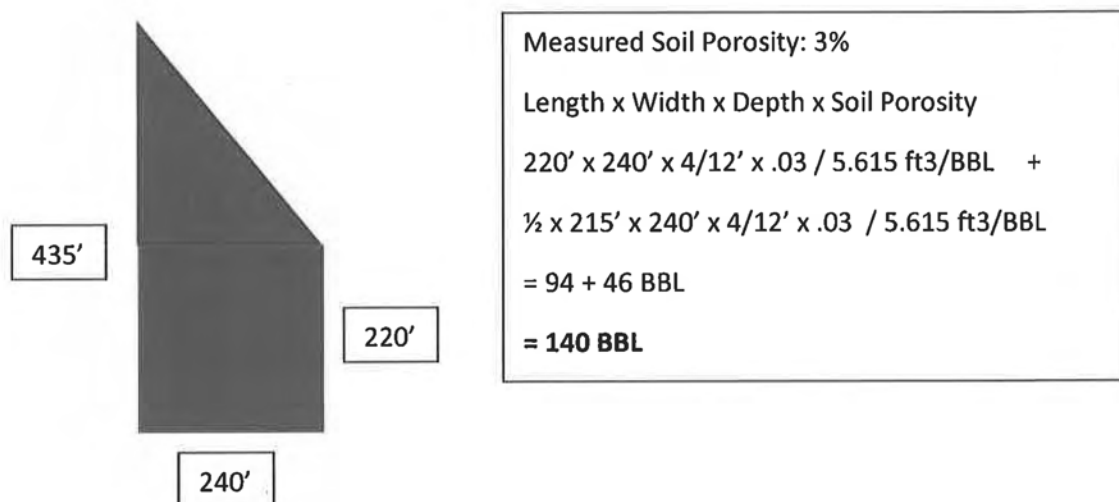
The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury

<input checked="" type="checkbox"/> The source of the release has been stopped. <input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.	
If all the actions described above have <u>not</u> been undertaken, explain why: 	
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
Printed Name: <u>Ben Grimes</u> Signature: <u></u> email: <u>bgrimes@btaoil.com</u>	Title: <u>Production Manager</u> Date: <u>12/4/18</u> Telephone: <u>(432) 682-3753</u>
<u>OCD Only</u> Received by: _____ Date: _____	

Release Notification for 12/2/2018 Incident

Calculations for Rojo AE 7811 JV-P Federal 001H (nearest well)

- The impacted area outside of the tank battery containment was calculated as follows:



- Plus: 220 BBL was contained and recovered from the tank battery secondary containment area.
- Plus: Estimated 25 BBL fluid remains inside secondary containment spread across the top of the tanks, vessels and piping.

Total volume reported: 385 BBL

At 10% Water Cut, Volumes in this Release Notification estimate are:

Crude Oil: 350 BBL

Produced Water: 35 BBL

Incident ID	NCH1836251271
District RP	1RP-5295
Facility ID	
Application ID	pCH1836251636

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?	>60 _____ (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas not on an exploration, development, production, or storage site?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.

Characterization Report Checklist: *Each of the following items must be included in the report.*

- ☒ Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- ☒ Field data
- ☒ Data table of soil contaminant concentration data
- ☒ Depth to water determination
- ☒ Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
- ☒ Boring or excavation logs
- ☒ Photographs including date and GIS information
- ☒ Topographic/Aerial maps
- ☒ Laboratory data including chain of custody

If the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation plan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan and methods, anticipated timelines for beginning and completing the remediation. The closure criteria for a release are contained in Table 1 of 19.15.29.12 NMAC, however, use of the table is modified by site- and release-specific parameters.

Form C-141

State of New Mexico
Oil Conservation Division

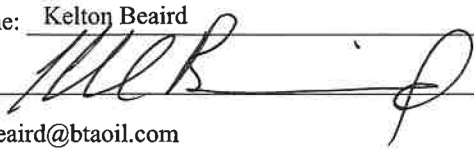
Page 4

Incident ID	NCH1836251271
District RP	1RP-5295
Facility ID	
Application ID	pCH1836251636

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: Kelton Beaird

Title: Environmental Manater

Signature: 

Date: 6-6-23

email: kbeaird@btaoil.com

Telephone: 432-312-2203

OCD Only

Received by: Jocelyn Harimon

Date: 06/08/2023

Form C-141

Page 5

State of New Mexico
Oil Conservation Division

Incident ID	NCH1836251271
District RP	1RP-5295
Facility ID	
Application ID	pCH1836251636

Remediation Plan**Remediation Plan Checklist:** *Each of the following items must be included in the plan.*

- ☒ Detailed description of proposed remediation technique
☒ Scaled sitemap with GPS coordinates showing delineation points
☐ Estimated volume of material to be remediated
☒ Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC
☒ Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)

Deferral Requests Only: *Each of the following items must be confirmed as part of any request for deferral of remediation.*

- ☐ Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.
☐ Extents of contamination must be fully delineated.
☐ Contamination does not cause an imminent risk to human health, the environment, or groundwater.

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Printed Name: Kelton Beaird

Title: Environmental Manager

Signature: 

Date: 6-6-23


email: kbeaird@btaoil.com

Telephone: 432-312-2203

OCD Only

Received by: Jocelyn Harimon

Date: 06/8/2023

☐ Approved☒ Approved with Attached Conditions of Approval☐ Denied☐ Deferral ApprovedSignature: 

Date: 06/22/2023

Variance request to sample every 700 square feet is denied. OCD approves a sampling variance of collecting samples every 500 square feet, this includes sidewall and base samples.

Incident ID	NCH1836251271
District RP	
Facility ID	
Application ID	


Closure

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

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

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

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

Printed Name: Kelton Beaird Title: Environmental Manager
Signature:  Date: 10-12-23
email: kbeaird@btaoil.com Telephone: 432-31-2203

OCD Only

Received by: _____ Date: _____

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

Closure Approved by: Ashley Maxwell Date: 10/24/2023
Printed Name: Ashley Maxwell Title: Environmental Specialist

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 275567

CONDITIONS

Operator: BTA OIL PRODUCERS, LLC 104 S Pecos Midland, TX 79701	OGRID: 260297
	Action Number: 275567
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
amaxwell	None	10/24/2023