🖻 ENSOLUM

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

adie Vreen

Hadlie Green Project Geologist

Daniel R. Moir, PG Senior Managing Geologist

cc: Kelton Beaird, BTA Bureau of Land Management

Appendices:

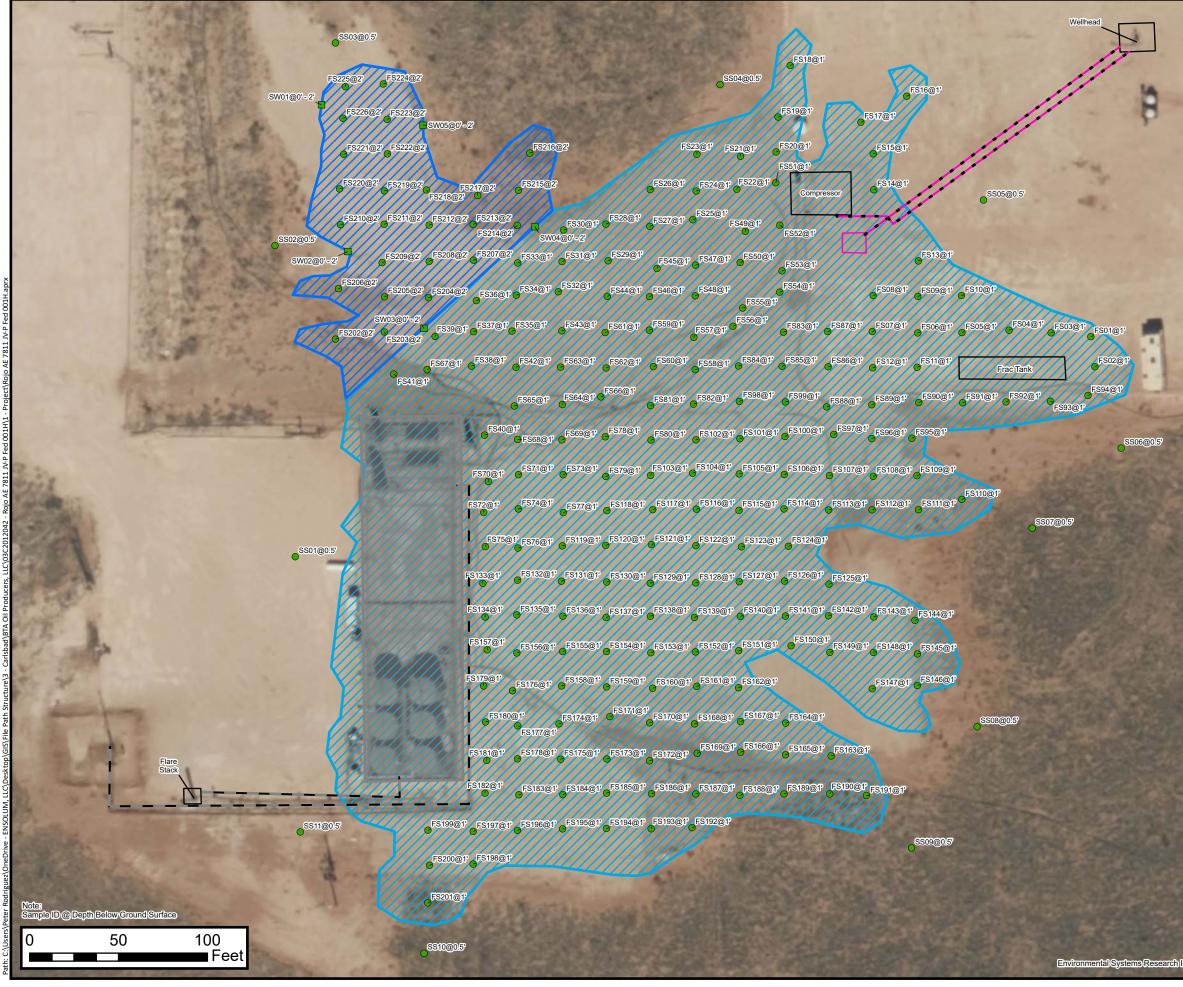
Figure 1	Soil Sample Locations
Table 1	Soil Sample Analytical Results
Appendix A	Remediation Work Plan, June 8, 2023
Appendix B	Photographic Log
Appendix C	Laboratory Analytical Reports & Chain-of-Custody Documentation
Appendix D	NMOCD Notifications
Appendix E	Final C-141





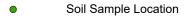
FIGURES

Received by OCD: 10/13/2023 3:55:22 PM



Released to Imaging: 10/24/2023 10:13:28 AM

Legend



- Sidewall Sample Location
- Steel Lines
 - Electric Power Lines
 - Structure/Location Area

10.00

- Electric Box
- 1' Excavation Area

Containment Liner



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



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 C	losure Criteria (I	NMAC 19.15.29)	10	50	NE	NE	NE	1,000	2,500	10,000		
				Deli	neation Soil Sa	mples			•			
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		
				Excava	tion 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 CI	osure Criteria (I	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		

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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 C	losure 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			

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	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 CI	losure 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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	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 C	losure 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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	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 Cl	losure 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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	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 CI	losure Criteria (l	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		

Ensolum

				Rojo A BTA	TABLE 1 LE ANALYTIC E 7811 JV-P F Oil Producers County, New M	s, LLC				
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 C	losure Criteria (l	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
				Excavati	on Sidewall So	il 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

TADIE 1

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

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.

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



APPENDIX A

Remediation Work Plan, June 8, 2023

Released to Imaging: 10/24/2023 10:13:28 AM



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 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 addressed 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**

Cadrie Dreen

Hadlie Green Staff Geologist

Ashley L. ager

Ashley Ager, M.S., PG Principal

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

Appendices:

Figure 1Site Receptor MapFigure 2Proposed Soil Sample LocationsAppendix APrevious Closure ReportAppendix BReferenced Well RecordsAppendix CForm C-141

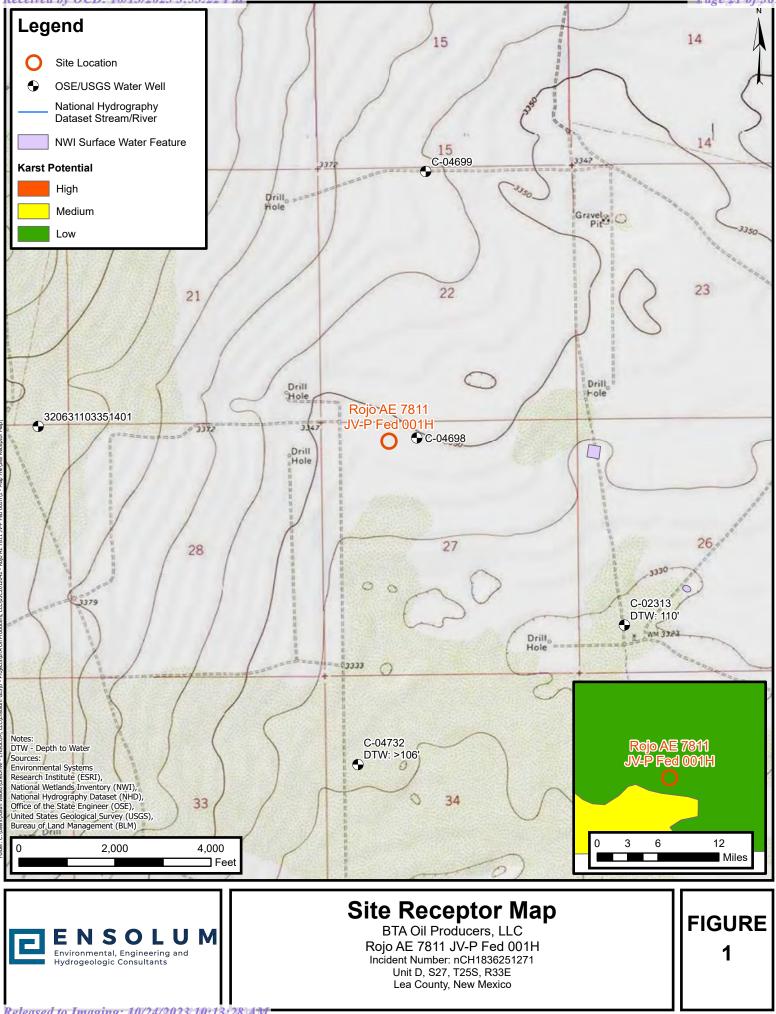




FIGURES

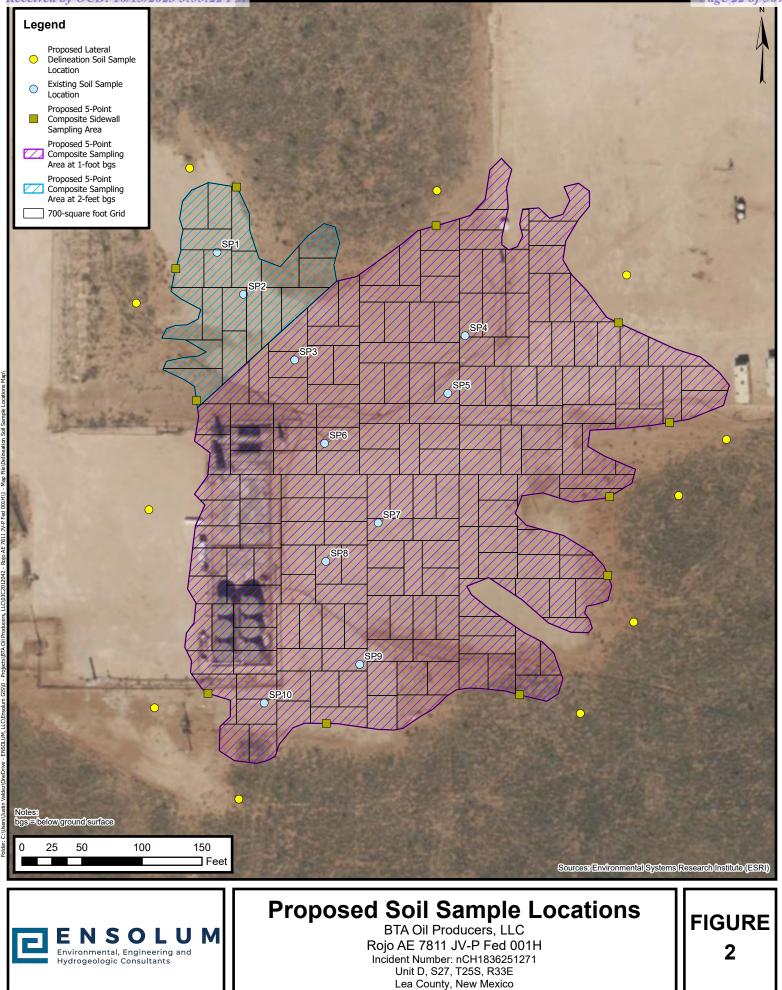
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APPENDIX A

Remediation Work Plan, June 8, 2023

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

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: <u>Cristina.Eads@state.nm.us</u>

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
То:	'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 Hall BTA Oil Producers, LLC Closure Denied - CE 104 S. Pecos Street Midland, TX 79701 03 03 2020 bhall@btaoil.com (432) 682 275

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

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.

1

The 1RP for this incident is

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

Please remember to include this 1RP identifier to all communications. Delineate and remediate per regulation NMAC 19.15.29 available at <u>http://164.64.110.134/parts/title19/19.015.0029.html</u>. 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 <<u>BHall@btaoil.com</u>>
Sent: Tuesday, December 4, 2018 3:54 PM
To: stucker@blm.gov; Hernandez, Christina, EMNRD <<u>Christina.Hernandez@state.nm.us</u>>
Cc: Michael Alves <<u>mike@cajun-energy.com</u>>; Ben Grimes <<u>BGrimes@btaoil.com</u>>
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)

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 <u>mike@cajun-energy.com</u>

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

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,

stude the

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

Appendix IC-141Appendix IIGroundwater SearchAppendix IIISite MapAppendix IVSite PhotosAppendix VSample TableAppendix VILab Data

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					
Contact mailing add	dress 104 S. Pecos St., Midland, T	X 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

Crude Oil	Volume Released (bbls) 350 BBL	Volume Recovered (bbls) 200 BBL
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?	Yes No
Condensate	Volume Released (bbls)	Volume Recovered (bbls)
🗌 Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release

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.

•

Received by OCD: 10/13/2023 3755322 PM

Form C-141	State of New Mexico	Incident ID	
Page 2	Oil Conservation Division	District RP	
		Facility ID	
		Application ID	

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

Initial Response

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

The source of the release has been stopped.

The impacted area has been secured to protect human health and the environment.

Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.

All free liquids and recoverable materials have been removed and managed appropriately.

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

Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.

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

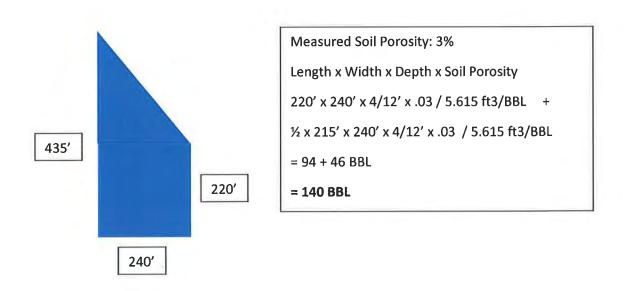
A A

Printed Name: Ben Grimes	Title: Production Manager
Signature: Bendrow	Date: 12/4/ 18
email:bgrimes@btaoil.com	Telephone: (432) 682-3753
OCD Only	
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

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	(R=PC been r O=orp C=the	eplaced haned,		aua	rter	sa	re 1:	=NW	2=NF :	3=SW 4=S	F)				
water right file.)	closed								st to la		NAD83 UTM in m	neters)	(In feet)	
		POD Sub-		~	~	~									
POD Number	Code	Sub- basin C	ounty		Q 16		Sec	Tws	Rng	х	Y	Distance	-	Depth Water	vvater Column
J 00005 POD1		J	LE						35E	659200) 3547174* 🌍	23510	601	230	371
<u>J 00001</u>		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
<u>J 00001 X</u>		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	0	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		
											Aver	age Depth to	Water	248	feet
												Minimum	Depth	214	feet
												Maximum	Depth:	285	feet
Record Count: 14															
Basin/County Searc	h:														
Basin: Jal															
LITMNAD83 Radius	Search (i	in mete	re).												

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.

Appendix III

Site Map

03/04/2019



03/04/2019

Appendix IV

Site Photos

03/04/2019



Aerial View of spill



Spill Northeast View



Spill Looking west



Spill Looking west



Spill Looking South



Spill Looking Southeast



Spill looking southeast



Looking Northeast





Clean-up



Clean-up



Clean-up



Clean-up



Clean-up

03/04/2019

Appendix V

Sample Table

Received by OCD: 10/13/2023 3755822/PM

Rojo AE Tank Battery Release - December 2, 2018 OCD Tracking #: 1RP-5295

			Commis	Field Sc	reening	Laboratory Results												
Location	CDC Coordinates	Sample	Sample		Titration			ТРН				Ethyl-	Total	TPH	TPH	TPH		
Location	GPS Coordinates	Date	Depth (feet BGS)	PID Result	Result	Chloride	Total TPH	GRO + DRO	BTEX	Benzene	Toluene	benzene	Xylenes	GRO	DRO	Ext DRO		
			(leet bGS)	(PPM)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(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

			Samula	Field Screening		Laboratory Results												
Location	GPS Coordinates	Sample	Sample Depth		Titration			ТРН				Ethyl-	Total	TPH	TPH	TPH		
Location	GPS Coordinates	Date	(feet BGS)	PID Result	Result	Chloride	Total TPH	GRO + DRO	BTEX	Benzene	Toluene	benzene	Xylenes	GRO	DRO	Ext DRO		
				(PPM)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(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

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/ga/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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,

Celeg D. Keine

Celey D. Keene Lab Director/Quality Manager



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

Received:	01/17/2019	Sampling Date:	01/17/2019
Reported:	01/22/2019	Sampling Type:	Soil
Project Name:	ROJO AE #001	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

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

BTEX 8021B	mg/	кд	Analyze	u by: 145					
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					

Analyzed By: MS

Surrogate: 4-Bromofluorobenzene (PIL 97.7 % 73.3-129

Chloride, SM4500Cl-B	mg,	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	01/21/2019	ND	432	108	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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 6-14	17						

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 whatbasever 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 lable for incidental or consequential damages, including, without invitation, busness interruptors, loss of use, or loss of profits incurred by client, its subsidianes, 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.

Celler I there -

Celey D. Keene, Lab Director/Quality Manager



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

Received:	01/17/2019	Sampling Date:	01/17/2019
Reported:	01/22/2019	Sampling Type:	Soil
Project Name:	ROJO AE #001	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

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

BTEX 8021B	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	Analyze	d 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	Analyze	d By: MS	_				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/18/2019	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	% 37.6-14	17						

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 bort, shall be limited to the amount paid by client for analyses. All claims, induding those for negligence and any often cause whatsoever shall be deemed walved unlines made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be lable for incidental or consequential damages, including within the structure within the structure shall be the performance of the services hereunder by Cardinal, regardless of whether such claims based upon any of the shore stated reasons or otherwise. Receipts relate only to the samples interafied above. This report shall not be requireduced except in full with written approval of Cardinal Laboratories.

Cellery Zatreene -

Celey D. Keene, Lab Director/Quality Manager

Received by OCD: 10/13/2023 3755322 PM



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.
2	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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*=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 inddental 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,

Cellery Z. Frence -

Celey D. Keene, Lab Director/Quality Manager

Received by OCD: 10/13/2023/3755322/PM

•

Released to Imaging: 10/24/2023 10318428 AM

Received by OCD: 10/13/2023/3755322/PM

•



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240

A DESCRIPTION OF A DESC	75) 393-2326 FAX	Contraction in the second s		~	_	_																		
Company Name:	BTA oil	Produced	2					1	-	BI	LL 1	ГО					A	NALY	SIS	REQ	UEST			
Project Manager:	Bob Hall							-	0. #:			_	_				1 1			1				
Address:								Co	mpa	ny:														
City:		State:	Zip					At	in:	B	do	Ho	11				1 1					l	6	
Phone #:		Fax #:						Ad	Idres															
Project #:		Project Owner	-					Cit	ty:					1										
Project Name:								Sta	ate:		Zip:								- 1					
Project Location:	ROJO AE #	001						Ph	one	#:														
Sampler Name:	Michae AN							Fa	x #:															
FOR LAZ USE ONLY			1.			MAT	RIX		PRE	SERV.	SA	MPLI	NG											1
Lab I.D. H900165	Sample I.	D.	(G)RAB OR (C)OMP		GROUNDWATER WASTEWATER	SOIL	OIL. SUDGE	OTHER :	ACID/BASE:	ICE / COOL OTHER :	DA	ATE	TIME	a	TRI	BTG	q							
1	Q.1612		88	1		×				×	1/17	A	10100	×	×	×								
2	SPZOZ		8	1		×				×	110	19	10:15	+	×	+		-					_	_
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analyses. All claims including service. In no event shall Care	those for negligence and any cliner: linal beliable for incidental or conse	muse wholsoever shall be equental comoges, including	oearre orithe g	d baive ut limite	ed unless π alon, busing	nade in ess inte	writing a strugtion	s, loss	o! use, o	or loss of p	profits incu	urred by	client, its subsid	Succ	ole									
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Relinguished By:	U	Date:	FD	H	U red By	L				A	Ov	r	Fax Resu REMARK	it: S:		is [Add'l Fa		વુખુ		\sim		
Delivered By: Sampler - UPS -	(Circle One) Bus - Other:	.7°/#	9	7	San	nple ol I Yes No	Cond Intact	ition es lo		CHEC		F												

† Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2328

Received by OCD: 10/13/2023/37555322\PM



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/ga/lab accred certif.html.

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

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

Accreditation applies to public drinking water matrices.

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,

Celeg D. Keine

Celey D. Keene Lab Director/Quality Manager



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

Received:	12/21/2018	Sampling Date:	12/16/2018
Reported:	12/26/2018	Sampling Type:	Soil
Project Name:	ROJO AE #001	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

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

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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, SM4500CI-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	12/21/2018	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	1 2/21/20 18	ND					
Surrogate: 1-Chlorooctane	108	% 41-142	2						
Surrogate: 1-Chlorooctadecane	110	% 37.6-14	7						

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Celez Z. treene-

Celey D. Keene, Lab Director/Quality Manager



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

Received:	12/21/2018	Sampling Date:	12/16/2018
Reported:	12/26/2018	Sampling Type:	Soil
Project Name:	ROJO AE #001	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

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

BTEX 8021B	mg,	кg	Analyze	u 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					

Applyzed By: MS

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

Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	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 9	% 41-142							
Surrogate: 1-Chlorooctadecane	109 9	% 37.6-14	7						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	12/21/2018	Sampling Date:	12/16/2018
Reported:	12/26/2018	Sampling Type:	Soil
Project Name:	ROJO AE #001	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

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

BTEX 8021B	mg,	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	12/2 1/20 18	ND					

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

Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC	_				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	12/21/2018	ND	416	104	400	3.77	
ТРН 8015М	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 37.6-14	7						

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Celler Linterne -

Celey D. Keene, Lab Director/Quality Manager



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

Received:	12/21/2018	Sampling Date:	12/16/2018
Reported:	12/26/2018	Sampling Type:	Soil
Project Name:	ROJO AE #001	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

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

BTEX 8021B	mg,	mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
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 97.3 % 73.3-129

Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	12/21/2018	ND	416	104	400	3.77	
ТРН 8015М	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 37.6-14	7						

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Celleg E. Keine -

Celey D. Keene, Lab Director/Quality Manager



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

Received:	12/21/2018	Sampling Date:	12/16/2018
Reported:	12/26/2018	Sampling Type:	Soil
Project Name:	ROJO AE #001	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

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 (PIL 95.0 % 73.3-129

Chloride, SM4500Cl-B	mg/	'kg	Analyze	d 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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 37.6-14	7						

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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	Sampling Date:	12/16/2018
Reported:	12/26/2018	Sampling Type:	Soil
Project Name:	ROJO AE #001	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

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

Total Xylenes*

Total BTEX

Analyzed By: MS **BTEX 8021B** mg/kg Analyzed Method Blank BS % Recovery True Value QC Reporting Limit Result Analyte ND 1.81 90.5 2.00 0.050 12/21/2018 < 0.050 Benzene* 90.0 2.00 12/21/2018 ND 1.80 < 0.050 0.050 Toluene* 88.8 2.00 ND 1.78 < 0.050 0.050 12/21/2018 Ethylbenzene*

0.150

0.300

12/21/2018

12/21/2018

Surrogate: 4-Bromofluorobenzene (PID 97.8 % 73.3-129

< 0.150

<0.300

Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC	-				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	12/21/2018	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	958	% 37.6-14	7						

ND

ND

5.23

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RPD

4.56

3.92

4,27

3.64

6.00

Qualifier

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Celleg in theme -

Celey D. Keene, Lab Director/Quality Manager



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

Received:	12/21/2018	Sampling Date:	12/16/2018
Reported:	12/26/2018	Sampling Type:	Soil
Project Name:	ROJO AE #001	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

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

BTEX 8021B	mg,	/kg	Analyze	а ву: м5					
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					

Analyzed By MC

Surrogate: 4-Bromofluorobenzene (PIL 98.2 % 73.3-129

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	12/21/2018	ND	416	104	400	3.92	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 37.6-14	7						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	12/21/2018	Sampling Date:	12/16/2018
Reported:	12/26/2018	Sampling Type:	Soil
Project Name:	ROJO AE #001	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

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	
⊤otal 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 98.8 % 73.3-129

Chloride, SM4500Cl-B	mg	kg	Analyze	d By: AC	_				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	12/21/2018	ND	416	104	400	3.92	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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-Chloroocladecane	96.3	% 37.6-14	7		6				

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Celler Line

Celey D. Keene, Lab Director/Quality Manager



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

Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
343	Chloride by SM4500CI-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene, Lab Director/Quality Manager

Page 10 of 11

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101 East Marland, Hobbs, NM 88240

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

(575	5) 393-2326 FAX (575) 393-24	76																											
Company Name: BTA OIL Producers					T			B	311	L TO	-11 ···	ANALYSIS REQUEST						-											
Project Manager: //	Nichael Alves							P.0), #:						T				T	1		1	T	1		-	1	T	-
Address:					_		1	Company: BTA Attn:Bryp Davi Address:					1																
City:	State:	Zip:										15																	
Phone #:	Fax #:	_										-																	
Project #:	Project Owne	r:					4	City	<i>r</i> :																				
Project Name:		_					5	Stat	te:		4	Zip:																	
Project Location:	LOJO AE .001	_		_			8	Pho	one i	#:					L														
Sampler Name: N	richael Alus						8	Fax	#:																				
FOR LAB USE ONLY			T	-	MA	RIX	T	-1	PRE	SER	V.	SAMPL	ING	1															
Lab I.D. 1803756 25 25 25 25 25 25 25 25 25 25 25 25 25	Sample I.D.	POD OO CON COMP	# CONTAINERS	GROUNDWATER	X X X X X X Soll	OIL	SLUDGE	OTHER			OTEX	DATE 12/6 12/6 12/6 12/6 12/6 12/6	TIME 10.25 10.30 10.10 1.10 1.23 1.38 1.48 1.48 1.48	OXXXXXXXX	CL DAXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX														
analyses. All claims including those service. In no event shall Cardinal I	and the	deemed g without Dardenal Rec		an business of weight of a second sec	made in iness internet i	erruptio	g and r ons, los tarn n H		ea by i use, ar	Cardun loss o	al write	hun 30 days after fits incurred by	er completion of t	the apple anes suit: it: S:	C] Ye	s 🗆	C C C	Ac	Id'I F	hone ax #:		ne l	v-∂ 1	S		o.^		

† Cardinal cannot accept verbal changes. Please fax written changes to (575) 395-2326

Received by OCD: 10/13/2023/37555322\PM



APPENDIX B

Reference Well Log

•

								Sample Name: BH01	Date: 1/3/2023
				C				Site Name: Rojo 26 Oil Dump Val	
	-			3	ΟΙ			Incident Number: nAPP22242564	12
								Job Number: 03C2012006	
		LITHOL	OGI		SAMPLING	LOG		Logged By: CS / MR	Method: Air Rotary
Coord	inates: 32	2.107784	, -103	.562235				Hole Diameter: 6"	Total Depth: 60'
		-				-		was observed within the soil bori tonite chips.	ng after at least 72 hours. On
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic De	
					 		CCHE	(0-30'), CALICHE, coarse gra white to tan, dry, no	ain, well graded, o stain or odor.
Dry	-	-	Ν	-	 - -	10			
Dry	-	-	Ν	-	 - -	20		@20' color change to pink/	/tan
Dry	-	-	Ν	-	 -	30	SP-SM	(30-78'), SAND, medium to graded with trace orange, dry, no st	caliche nodules, red to
Dry	-	-	Ν	-	 - -	40 -			
Dry	-	-	Ν	-	 -	50 		@50', slightly cohesive with	h trace clay
Dry	_	_	Ν	-		60		NOTE: refusal @ 60' using air rota abundant sand.	ary drill rig due to
						-			
						Total Dep	th @ 60	feet bgs	
Í									
Í									



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			
Contact mailing add	dress 104 S. Pecos St., Midland, T	X 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

Crude Oil	Volume Released (bbls) 350 BBL	Volume Recovered (bbls) 200 BBL
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?	Yes No
Condensate	Volume Released (bbls)	Volume Recovered (bbls)
Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release

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.

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Received by OCD: 10/13/2023 3755322/PM

Form C-141	State of New Mexico	Incident ID	
Page 2	Oil Conservation Division	District RP	
		Facility ID	
		Application ID	

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

Initial Response

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

The source of the release has been stopped.

The impacted area has been secured to protect human health and the environment.

Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.

All free liquids and recoverable materials have been removed and managed appropriately.

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

Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.

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

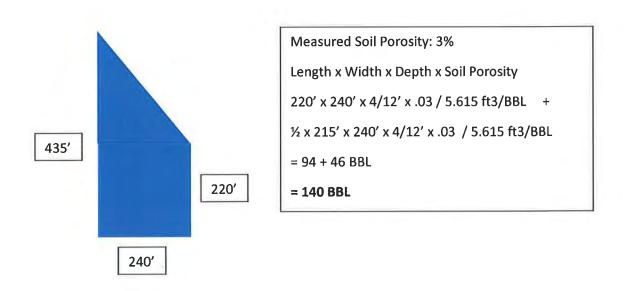
A A

Printed Name: Ben Grimes	Title: Production Manager
Signature: Bendrow	Date: 12/4/ 18
email:bgrimes@btaoil.com	Telephone:(432) 682-3753
<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

Received by OCD: 10/13/2023 3755322 PM Form C-141 State of New Mexico

Oil Conservation Division

	Page 70 of 369
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?	Yes X No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	🗌 Yes 🗶 No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	🗌 Yes 🕅 No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	🗌 Yes 🔀 No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	🗌 Yes 🕅 No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	🗌 Yes 🔀 No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	🗌 Yes 🔀 No
Are the lateral extents of the release within 300 feet of a wetland?	🗌 Yes 🔀 No
Are the lateral extents of the release overlying a subsurface mine?	🗌 Yes 🔀 No
Are the lateral extents of the release overlying an unstable area such as karst geology?	🗌 Yes 🛛 No
Are the lateral extents of the release within a 100-year floodplain?	Yes X No
Did the release impact areas not on an exploration, development, production, or storage site?	X Yes 🗌 No

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

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

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

Page 3

Received by OCD: 10/13/2023 3755322/PM

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Form C-141 Page 4	State of New Mexico Oil Conservation Division		Incident ID District RP Facility ID Application ID	NCH1836251271 1RP-5295 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: $(b-2-2)$ Telephone: 432-312-2203 Telephone: $(432-312-2203)$					
OCD Only Received by:JO	ocelyn Harimon	Date:06	6/08/2023		

Received by OCD: 10/13/2023 3755822/PM

Form C-141	State of New Mexico		1
Page 5		Incident ID	NCH1836251271
	Oil Conservation Division	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.

X 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

X 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: <u>6-6-73</u>
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 Approved
Signature: Ashley Maxwell	Date: 06/22/2023

Variance request to sample every 700 square feet is <u>denied</u>. 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

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

CONDITIONS

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

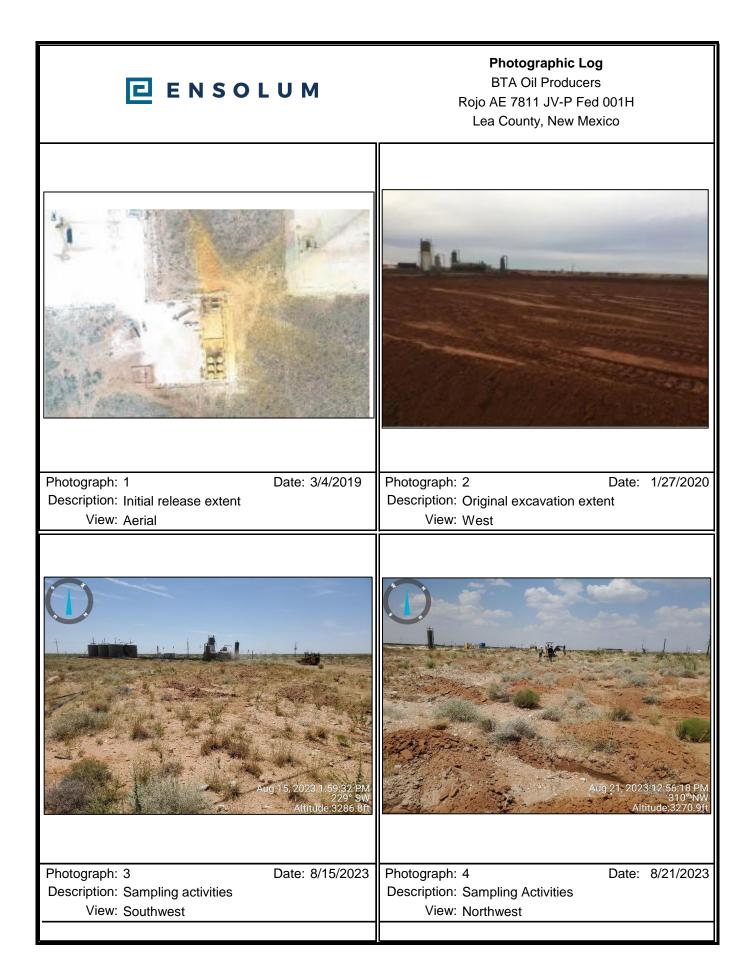
CONDITIONS

Action 225618



APPENDIX B

Photographic Log





APPENDIX C

Laboratory Analytical Reports & Chain of Custody Documentation



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/ga/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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. Keine

Celey D. Keene Lab Director/Quality Manager



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

Received:	08/17/2023	Sampling Date:	08/14/2023
Reported:	08/23/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

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

BTEX 8021B	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	96.8	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/18/2023	ND	432	108	400	0.00	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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 9	48.2-13	4						
Surrogate: 1-Chlorooctadecane	130 9	% 49.1-14	0						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/17/2023	Sampling Date:	08/14/2023
Reported:	08/23/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

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

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/18/2023	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	127	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/17/2023	Sampling Date:	08/14/2023
Reported:	08/23/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

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

BTEX 8021B	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/18/2023	ND	432	108	400	0.00	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	120 \$	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/17/2023	Sampling Date:	08/14/2023
Reported:	08/23/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

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

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/18/2023	ND	416	104	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	131	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/17/2023	Sampling Date:	08/14/2023
Reported:	08/23/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

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

BTEX 8021B	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/18/2023	ND	416	104	400	0.00	
TPH 8015M	mg/	'kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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 9	48.2-13	4						
Surrogate: 1-Chlorooctadecane	156 9	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/17/2023	Sampling Date:	08/14/2023
Reported:	08/23/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

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

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/18/2023	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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 9	48.2-13	4						
Surrogate: 1-Chlorooctadecane	128 9	% 49.1-14	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/17/2023	Sampling Date:	08/14/2023
Reported:	08/23/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

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

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	08/18/2023	ND	416	104	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	132	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/17/2023	Sampling Date:	08/14/2023
Reported:	08/23/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

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

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/18/2023	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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 9	48.2-13	4						
Surrogate: 1-Chlorooctadecane	134 9	49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/17/2023	Sampling Date:	08/14/2023
Reported:	08/23/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

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

BTEX 8021B	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/18/2023	ND	416	104	400	0.00	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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 9	48.2-13	4						
Surrogate: 1-Chlorooctadecane	127 9	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/17/2023	Sampling Date:	08/14/2023
Reported:	08/23/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

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

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/18/2023	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	142	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/17/2023	Sampling Date:	08/14/2023
Reported:	08/23/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

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

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	97.0	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/18/2023	ND	416	104	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	126	% 49.1-14	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/17/2023	Sampling Date:	08/14/2023
Reported:	08/23/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

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

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/18/2023	ND	416	104	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	127	% 49.1-14	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/17/2023	Sampling Date:	08/14/2023
Reported:	08/23/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

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

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/18/2023	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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 9	48.2-13	4						
Surrogate: 1-Chlorooctadecane	132	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/17/2023	Sampling Date:	08/15/2023
Reported:	08/23/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

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

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/18/2023	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	132	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/17/2023	Sampling Date:	08/15/2023
Reported:	08/23/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

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

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	08/18/2023	ND	416	104	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	126	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/17/2023	Sampling Date:	08/15/2023
Reported:	08/23/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

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

BTEX 8021B	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	98.1	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/18/2023	ND	416	104	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	128	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/17/2023	Sampling Date:	08/15/2023
Reported:	08/23/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

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

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/18/2023	ND	416	104	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	102	% 49.1-14	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/17/2023	Sampling Date:	08/15/2023
Reported:	08/23/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

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

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	98.0	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/18/2023	ND	416	104	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	107	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/17/2023	Sampling Date:	08/15/2023
Reported:	08/23/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

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

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/18/2023	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	109	% 49.1-14	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/17/2023	Sampling Date:	08/15/2023
Reported:	08/23/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

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

BTEX 8021B	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/18/2023	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	100 9	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/17/2023	Sampling Date:	08/15/2023
Reported:	08/23/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

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

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/18/2023	ND	416	104	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	100	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/17/2023	Sampling Date:	08/15/2023
Reported:	08/23/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

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

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/18/2023	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	103	% 49.1-14	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/17/2023	Sampling Date:	08/15/2023
Reported:	08/23/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

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

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/18/2023	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	98.4	% 49.1-14	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/17/2023	Sampling Date:	08/15/2023
Reported:	08/23/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

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

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/18/2023	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	101	% 49.1-14	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/17/2023	Sampling Date:	08/15/2023
Reported:	08/23/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

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

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/18/2023	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	97.5	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/17/2023	Sampling Date:	08/15/2023
Reported:	08/23/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

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

BTEX 8021B	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/18/2023	ND	432	108	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	97.8	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/17/2023	Sampling Date:	08/15/2023
Reported:	08/23/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

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

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/18/2023	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	85.1	% 49.1-14	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/17/2023	Sampling Date:	08/15/2023
Reported:	08/23/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

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

BTEX 8021B	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/18/2023	ND	432	108	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	91.0	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/17/2023	Sampling Date:	08/15/2023
Reported:	08/23/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

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

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/18/2023	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	86.7	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/17/2023	Sampling Date:	08/15/2023
Reported:	08/23/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

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

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/18/2023	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	83.2	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/17/2023	Sampling Date:	08/15/2023
Reported:	08/23/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

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

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/18/2023	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	91.5	% 49.1-14	8						

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

Received:	08/17/2023	Sampling Date:	08/15/2023
Reported:	08/23/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

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

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/18/2023	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	89.7	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/17/2023	Sampling Date:	08/15/2023
Reported:	08/23/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

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

BTEX 8021B	mg/	'kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/18/2023	ND	432	108	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	82.0	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/17/2023	Sampling Date:	08/15/2023
Reported:	08/23/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

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

BTEX 8021B	mg/	'kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/18/2023	ND	432	108	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	88.0	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/17/2023	Sampling Date:	08/15/2023
Reported:	08/23/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

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

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/18/2023	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	84.7	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/17/2023	Sampling Date:	08/15/2023
Reported:	08/23/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

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

BTEX 8021B	mg/	'kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/18/2023	ND	432	108	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	78.1	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/17/2023	Sampling Date:	08/15/2023
Reported:	08/23/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

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

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/18/2023	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	123	% 49.1-14	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/17/2023	Sampling Date:	08/15/2023
Reported:	08/23/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

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

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/18/2023	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	110 9	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/17/2023	Sampling Date:	08/15/2023
Reported:	08/23/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

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

BTEX 8021B	mg/	'kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/18/2023	ND	432	108	400	0.00	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	97.0	% 49.1-14	8						

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

Received:	08/17/2023	Sampling Date:	08/15/2023
Reported:	08/23/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

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

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	656	16.0	08/18/2023	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	111 9	% 49.1-14	8						

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

Received:	08/17/2023	Sampling Date:	08/15/2023
Reported:	08/23/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

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

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/18/2023	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	113 9	% 49.1-14	8						

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

Received:	08/17/2023	Sampling Date:	08/15/2023
Reported:	08/23/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

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

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/18/2023	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	114 9	% 49.1-14	8						

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

Received:	08/17/2023	Sampling Date:	08/15/2023
Reported:	08/23/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

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

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/18/2023	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	106	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/17/2023	Sampling Date:	08/15/2023
Reported:	08/23/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

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

BTEX 8021B	mg/	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/18/2023	ND	416	104	400	0.00	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	108 9	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/17/2023	Sampling Date:	08/15/2023
Reported:	08/23/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

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

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/18/2023	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	82.4	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/17/2023	Sampling Date:	08/15/2023
Reported:	08/23/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

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

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/18/2023	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	105	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/17/2023	Sampling Date:	08/15/2023
Reported:	08/23/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

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

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/18/2023	ND	416	104	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	89.0	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/17/2023	Sampling Date:	08/15/2023
Reported:	08/23/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

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

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/18/2023	ND	416	104	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	99.5	% 49.1-14	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/17/2023	Sampling Date:	08/15/2023
Reported:	08/23/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

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

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/18/2023	ND	416	104	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	101	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/17/2023	Sampling Date:	08/15/2023
Reported:	08/23/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

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

BTEX 8021B	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/18/2023	ND	416	104	400	0.00	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	106 9	% 49.1-14	8						

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

Received:	08/17/2023	Sampling Date:	08/16/2023
Reported:	08/23/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

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

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/18/2023	ND	416	104	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	109	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/17/2023	Sampling Date:	08/16/2023
Reported:	08/23/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

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

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/18/2023	ND	416	104	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	102	% 49.1-14	8						

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

Received:	08/17/2023	Sampling Date:	08/16/2023
Reported:	08/23/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

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

BTEX 8021B	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/18/2023	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	107	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/17/2023	Sampling Date:	08/16/2023
Reported:	08/23/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

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

BTEX 8021B	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/18/2023	ND	416	104	400	0.00	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	105 9	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/17/2023	Sampling Date:	08/16/2023
Reported:	08/23/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

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

BTEX 8021B	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/18/2023	ND	416	104	400	0.00	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	99.1	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/17/2023	Sampling Date:	08/16/2023
Reported:	08/23/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

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

BTEX 8021B	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/18/2023	ND	416	104	400	0.00	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	107 9	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/17/2023	Sampling Date:	08/16/2023
Reported:	08/23/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

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

BTEX 8021B	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/18/2023	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	82.5	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/17/2023	Sampling Date:	08/16/2023
Reported:	08/23/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

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

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/18/2023	ND	416	104	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	96.0	% 49.1-14	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/17/2023	Sampling Date:	08/16/2023
Reported:	08/23/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

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

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/18/2023	ND	416	104	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	89.8	% 49.1-14	8						

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Received:	08/17/2023	Sampling Date:	08/16/2023
Reported:	08/23/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

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

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/18/2023	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	95.1	% 49.1-14	8						

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

Received:	08/17/2023	Sampling Date:	08/16/2023
Reported:	08/23/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

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

BTEX 8021B	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/18/2023	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	83.4	% 49.1-14	8						

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Received:	08/17/2023	Sampling Date:	08/16/2023
Reported:	08/23/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

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

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/18/2023	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	87.9	% 49.1-14	8						

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Received:	08/17/2023	Sampling Date:	08/16/2023
Reported:	08/23/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

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

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/18/2023	ND	416	104	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	96.8	% 49.1-14	8						

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Received:	08/17/2023	Sampling Date:	08/16/2023
Reported:	08/23/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

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

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/18/2023	ND	416	104	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	89.5	% 49.1-14	8						

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Received:	08/17/2023	Sampling Date:	08/16/2023
Reported:	08/23/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

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

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/18/2023	ND	416	104	400	0.00	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	92.9	% 49.1-14	8						

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Received:	08/17/2023	Sampling Date:	08/16/2023
Reported:	08/23/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

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

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/18/2023	ND	416	104	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	84.0	% 49.1-14	8						

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Received:	08/17/2023	Sampling Date:	08/16/2023
Reported:	08/23/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

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

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/18/2023	ND	416	104	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	93.5	% 49.1-14	8						

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Received:	08/17/2023	Sampling Date:	08/16/2023
Reported:	08/23/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

Sample ID: FS 68 1' (H234470-68)

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/18/2023	ND	416	104	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	93.8	% 49.1-14	8						

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

Received:	08/17/2023	Sampling Date:	08/16/2023
Reported:	08/23/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

Sample ID: FS 69 1' (H234470-69)

BTEX 8021B	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/18/2023	ND	416	104	400	0.00	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	101 9	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/17/2023	Sampling Date:	08/16/2023
Reported:	08/23/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

Sample ID: FS 70 1' (H234470-70)

BTEX 8021B	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/18/2023	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	98.0	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/17/2023	Sampling Date:	08/16/2023
Reported:	08/23/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

Sample ID: FS 71 1' (H234470-71)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	08/18/2023	ND	416	104	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	97.3	% 49.1-14	8						

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

Received:	08/17/2023	Sampling Date:	08/16/2023
Reported:	08/23/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

Sample ID: FS 72 1' (H234470-72)

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	95.2	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	832	16.0	08/18/2023	ND	416	104	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	95.4	% 49.1-14	8						

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

Received:	08/17/2023	Sampling Date:	08/16/2023
Reported:	08/23/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

Sample ID: FS 73 1' (H234470-73)

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	08/18/2023	ND	416	104	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	99.5	% 49.1-14	8						

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

Received:	08/17/2023	Sampling Date:	08/16/2023
Reported:	08/23/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

Sample ID: FS 74 1' (H234470-74)

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	95.1	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	08/18/2023	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	99.1	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/17/2023	Sampling Date:	08/16/2023
Reported:	08/23/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

Sample ID: FS 75 1' (H234470-75)

BTEX 8021B	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	95.0	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	08/18/2023	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	101 9	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/17/2023	Sampling Date:	08/16/2023
Reported:	08/23/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

Sample ID: FS 76 1' (H234470-76)

BTEX 8021B	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	400	16.0	08/18/2023	ND	416	104	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	102	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/17/2023	Sampling Date:	08/16/2023
Reported:	08/23/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

Sample ID: FS 77 1' (H234470-77)

BTEX 8021B	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/18/2023	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	103	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/17/2023	Sampling Date:	08/16/2023
Reported:	08/23/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

Sample ID: FS 78 1' (H234470-78)

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	94.0	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/18/2023	ND	416	104	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	<i>93.7</i>	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/17/2023	Sampling Date:	08/16/2023
Reported:	08/23/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

Sample ID: FS 79 1' (H234470-79)

BTEX 8021B	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/18/2023	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	101	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/17/2023	Sampling Date:	08/16/2023
Reported:	08/23/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

Sample ID: FS 80 1' (H234470-80)

BTEX 8021B	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/18/2023	ND	416	104	400	0.00	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	102 9	% 49.1-14	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/17/2023	Sampling Date:	08/16/2023
Reported:	08/23/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

Sample ID: FS 81 1' (H234470-81)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/18/2023	ND	416	104	400	0.00	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	102 9	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/17/2023	Sampling Date:	08/16/2023
Reported:	08/23/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

Sample ID: FS 82 1' (H234470-82)

BTEX 8021B	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	96.9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/18/2023	ND	416	104	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	105	% 49.1-14	8						

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

Received:	08/17/2023	Sampling Date:	08/16/2023
Reported:	08/23/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

Sample ID: FS 83 1' (H234470-83)

BTEX 8021B	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/18/2023	ND	416	104	400	0.00	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	107 9	% 49.1-14	8						

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

Received:	08/17/2023	Sampling Date:	08/16/2023
Reported:	08/23/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

Sample ID: FS 84 1' (H234470-84)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	96.4	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/18/2023	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	105	% 49.1-14	8						

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

Received:	08/17/2023	Sampling Date:	08/16/2023
Reported:	08/23/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

Sample ID: FS 85 1' (H234470-85)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	96.6	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/18/2023	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	106	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/17/2023	Sampling Date:	08/16/2023
Reported:	08/23/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

Sample ID: FS 86 1' (H234470-86)

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/18/2023	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	100	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/17/2023	Sampling Date:	08/16/2023
Reported:	08/23/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

Sample ID: FS 87 1' (H234470-87)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/18/2023	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	107	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/17/2023	Sampling Date:	08/16/2023
Reported:	08/23/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

Sample ID: FS 88 1' (H234470-88)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/18/2023	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	97.2	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/17/2023	Sampling Date:	08/16/2023
Reported:	08/23/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

Sample ID: FS 89 1' (H234470-89)

BTEX 8021B	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/18/2023	ND	432	108	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	110 9	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/17/2023	Sampling Date:	08/16/2023
Reported:	08/23/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

Sample ID: FS 90 1' (H234470-90)

BTEX 8021B	mg/	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/18/2023	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	110 9	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Cardinal Laboratories

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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 whatscever 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 whose 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 whose share there applied by the services arise 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.

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager

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

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Project Manager: Hadlie Green	: Hadlie Green								-	P.O.	#	77		1									-				-	_		_	1	-				-		-		
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City: Midland		State: TX	Zip: 79701	797	3				-	Att	3	Ke	Ito	ā	Bea	Attn: Kelton Beaird							_					-				_		-				_		
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Sampler Name: Peter Van Patten	Peter Van Patten								-	Fax #:	-												-				-			_		-		-				-		-
FOR LAB USE ONLY			Ρ,	_	-	M	MATRIX	-×			PR	PRESERV	-9	<		s	SAMPLING	- 2	N			1			5	-	-			_				-				_		-
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† Cardinal cannot accept verbal changes. Please email changes to celey keene@cardinallabsnm.com

Delivered By: (Circle One) Observed Temp. *C 1,4 Sample Condition	Relinquished By: Date: Received By: Time:	the win total Imegation 81000	Relinquished By; Date 7, 23 Received By:	service. In no event shall Cardinals be labble for incidential or consequential damages, including without limitation, business interrup affiliates or successors arising out of or related to the partnermance of services hereunder by Cardinal, regardless of whether such	PLEASE NOTE: Lability and Damages, Cardinal's lability and client's exclusive remedy for any claim ansing whether based in contract or tort, shall be limited to the amount gaid 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	20 FS20 1 C1 /	FS19 1	18 FS18 1 CI V	17 FS17 1 5 1 V	16 FS16 1 C I J	15 FS15 1 611	1	13 FS13 1 C I V	12 FS12 1 CI J	// FS11 1 CII V	Lab I.D. Sample I.D. (feet) (G)RAB OR (C)OMP # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL	-	Sampler Name: Peter Van Patten	Project Location: 32.1076101,-103.564101	Project Name: Rojo AE 7811 JV-P Fed 001H	Project #: 03C2012042 Project Owner:	Phone #: 432-557-8895 Fax #:	City: Midland State: TX Zip: 79701	Address: 601 N Marienfeld Street, Suite 400	Project Manager: Hadlie Green	winparty manie. Lisolalli, LLW
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Turnaround Time: Standard Bacteria (only) Sample Condition Rush Cool Intact Observed Temp. °C		hgreen Densdum. con	Verbal Result: Ves No Add'I Phone #: All Results are emailed. Please provide Email address:		he applicable											TPH BTEX Chlorid	e	5								ANALYSIS REQUEST

Page 170 of 369

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Project Manager: Hadlie Green

P.O. #:

BILL TO

ANALYSIS

REQUES'

Company Name: Ensolum, LLC

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Relinquished By Sampler Name: Peter Van Patten Project Location: 32.1076101,-103.564101 Phone #: 432-557-8895 Relinquished By Project Name: Rojo AE 7811 JV-P Fed 001H City: Midland 4234470 Project #: 03C2012042 Address: 601 N Marienfeld Street, Suite 400 Delivered By: (Circle One) EASE NOTE vice. In no event shall Cardinal be liable FOR LAB USE ONLY Lab I.D. All claims 40 30 34 3 U 4112 Sample I.D. of or related to the peri-FS39 FS40 FS37 FS36 **FS35** FS34 FS33 FS31 FS38 FS32 2 Observed Fax #: Time;410 Project Owner: Date: Ant State: Time: Depth (feet) 7:2 -----X 0 N 000 000 00 Zip: 79701 (G)RAB OR (C)OMP Received By Received By: # CONTAINERS GROUNDWATER Sample Condition Cool_Intact Yes_PYes No No No WASTEWATER MATRIX < 5 < 5 2 5 2 SOIL < ¢ OIL SLUDGE OTHER State: TX Address: 104 S Pecos St Attn: Kelton Beaird Company: BTA Oil Fax #: Phone #: 432-312-2203 City: Midland ACID/BASE PRESERV or loss o CHECKED BY: 5 5 < 5 5 C 5 ICE / COOL OTHER Zip: 79701 8-15-23 DATE SAMPLING 1229 2246 2242 2229 Verbai Result: Ves Vo Add'I Phone #: All Results are emailed. Please provide Email address: 1252 2242 1225 1212 Turnaround Time: 1209 REMARKS: 1215 TIME haren Censelun, com of the < 5 PH C BT Ex < Standard Chlorides 2 C < r C < C Bacteria (only) Sample Condition

Received by OCD: 10/13/2023 3:55:22 PM

Sampler - UPS - Bus - Other:

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(Initials)

Thermometer ID -#113-Correction Factor -0.54C

日本

Cool Intact

Observed Temp. Corrected Temp. °C

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

Page 172 of 369

Relinquished By: Relinquished By: The server of the case what be deened was served. The server shall Cardinal be lable for indicated a consequential damages, including without immediates or successors arising out of or related to the performance of services threading under by Cardinal, reg Relinquished By: Relinquished By: Time:	vae. All cares including mose for negagen ca. In no event shall Cardinal be liable for in the or successor a training out of or related to Hinquished By:	view. Ail carms: including mose for negatigen (ce. In no event shall Cardinal be liable for in alles or successors arising out of or related to blinguished By:	yess. All claims including mose for negligen ice. In no event shall Cardinal be liable for in also or successors arising out of or related to	the set of a	PLEASE NOTE: Lability and Damages. Cardinal's lability	49 FS49	Γ	47 FS47		45 FS45		43 FS43	42 FS42	4/ FS41	Lab I.D. Sample I.D.	Sampler Name: Peter Van Patten	Project Location: 32.1076101,-103.564101	Project Name: Rojo AE 7811 JV-P Fed 001H	Project #: 03C2012042	Phone #: 432-557-8895	City: Midland	Address: 601 N Marienfeld Street, Suite 400	Project Manager: Hadlie Green	Company Name: Ensolum, LLC	101 East (575) 39
Time:	Date:	Time: 4	Late:	see and any other cause whatsoeve noidental or consequental damages a the performance of services heres	at's liability and client's exclusive ren	-	1	1	1	1	1	-	1	1	le I.D. Depth (feet)	Patten	01,-103.564101	11 JV-P Fed 001H	Project	Fax #:	State: TX	Street, Suite 400	reen	, LLC	101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476
Observed Temp. C 14 Sample Condition	Received By:	1410 OKONRI	Received By:	se viraboever shall be deemed waived unless made in writing a inflat damages, including without limitation, business interruption services hereunder by Cardinal, regardless of whether such dai	nedy for any claim arrang whether based in contract or toot, shall be limbed to the	CIV	CIV	C - V	0 - 1	V 1 0	C I V	C 1 1	C 1 V		(G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL				Project Owner:		TX Zip: 79701		State State State		IM 88240 393-2476
le Condition CHECKED BY:	10 10	ignilly		30 days sourred i ve stated		1	~	<	<	~	~	V	V 15	~ ~	SLUDGE OTHER : ACID/BASE: ICE / COOL OTHER :	Fax #:	Phone #: 432-312-2203	State: TX Zip: 79701	City: Midland	Address: 104 S Pecos St	Attn: Kelton Beaird	Company: BTA Oil	P.O. #:	BILL TO	
Turnaround Time:	REMARKS:	A nu results are end	Verbal Result:	after completion of the i by client, its subsidiaries reasons or otherwise.	1357	1352	1340	1346	1335	7275	1315	2314		1	SAMPLING TIME		203	1701		os St				0	
Time:		are emaned	It: DY	applicable	2	< <	1	<	1	7	2	5	<	<	TPH BTEX			1.4			1	-			
Standard		J. Please p	Yes I No		5	<	<	< '		<	<	Ì		<	Chlorides	1	1			-					
d Bacteria (only) Sample Condition Cool Intact Observed Temp. °C		iled, riease provide Email address:	o Add'I Phone #:																				-	ANALYSIS REQUEST	

Laboratories

Company Maine, Ensolutin, EEC	LLC		BILL TO		A	ANALYSIS REQUEST
Project Manager: Hadlie Green	reen		P.O. #:	_		
Address: 601 N Marienfeld Street,	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	st		
Project #: 03 C 2012.042		er:	City: Midland			
Project Name: Pojo A E	C #84	HI00	State: TX Zip: 79701	91		
Project Location: V 32	32,1076101,-103,56410	1011-0-	432	3		
Sampler Name: Peter Van Patten	,		Fax #:			
FOR LAB USE ONLY		MATRIX	ESERV.	SAMPLING	5	
Lab I.D. Sample I.D.	le I.D. Depth (feet)	(G)RAB OR (C)OMP # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE	OTHER : ACID/BASE: CE / COOL DTHER :	TPH	BTEX Chloride	
S7 F551	-		2 2	10	<	
SZ FS 52	-	C - v	2		< <	
S3 F5 53	-	C /	4	0986	< .	
	-	C 1 1	~	0908 7	< <	
55 F222	-	CIV	V	0110 V	4 4	
36 4556	-	C	1	0913 V	1 1	
L55+ LS	(<	V 6110	VV	
845 <u>4</u> 85	1	< 1 V	~	0924 1	VV	
BS4 4S	1			r 5760	VV	
LO FS60	In limited water from the second	CIJ	V V	0928 V	5 5	
those linal b	 would any other cause whateover initial be dee initial or consequential damages, including within the performance of services hereunder by Carc 	cut a securatory remedy or any same arrange whether based in contract or tort, shall be limited to the amount paid by the cleart for the cuture whateover shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable equential damages, including without limitation, business interruptions, loss of use, or loss of profils incurred by Cleardinal was abuildances, a subsidiaries, and the subsidiaries interruptions (loss of use, or loss of profils incurred by Cleardinal, regardless of whether such stain is based apont mixed the above stated reasons as otherwise.	tract or tort, shall be limited to the amount pai g and received by Cardinal within 30 days after ons, loss of use, or loss of profits incurred by o taim is based upon any of the above stated re-	unt paid by the client for the after completion of the applicabl ed by client, its subsidiaries, and prasoos or otherwise sted reasons or otherwise	a	
How Alt	Time: 14/0	Received By:	anent	Nerval Result: 1 Ye All Results are emailed NGYNON @ C	Please provi	Add'I Phone #: de Email address: CCu-
nomiquistied by.	Date: Time:	Received By:	0	REMARKS:		
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Observed Temp. *C Corrected Temp. *C	-1.4 Sample Condition	on CHECKED BY:	Turnaround Time: Thermometer ID #113	Standard Rush	Bacteria (only) Sample Condition Cool Intact Observed Temp. °C
PURM-000 K 3.Z TO/07/ZT	ON ON			Correction Factor -0	0 +1 + 100	No Corrected Temp °C



101 East Mari (575) 393-23	101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476	240			
Company Name: Ensolum, LLC			RILL TO	3	
Project Manager: Hadlie Green			P.O. #:		ANALISIS REQUEST
Address: 601 N Marienfeld Street, Suite 400	et, Suite 400		Company: BTA Oil		
City: Midland	State: TX	Zip: 79701	Attn: Kelton Beaird		
Phone #: 432-557-8895	Fax #:		Address: 104 S Pecos St	S St	
Project #: 0302012042	1		City: Midland		
Project Name: Pojo AE	7811 JV-P F	Fed coil	State: TX Zip: 79701	701	
Project Location: 32, 1076(0),	-103. 564		432	03	
Sampler Name: Peter Van Patten			Fax #:		
FOR LAB USE ONLY		MATRIX	SERV.	SAMPLING	
Lab I.D. Sample I.D.	D. Depth (feet)	(G)RAB OR (C)OMP # CONTAINERS GROUNDWATER WASTEWATER SOIL ÒIL SLUDGE	ACID/BASE: CE / COOL OTHER :	TPH BTEX Chloride	
61 561	1	-	< 1 0 0	0927	
62 F362	1	-	50	10192 Vero	
-	1		<		
64 F564	1	C - V	1	<	
_	-	C 1 V	<	< <	
66 FS66	1	5 1 2	1	(<	
In FSG7	1		1	1000 / 1 1	
68 FS69		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		1005 ~ ~ ~ ~	
570	~	0	~ ~	1015 ~ ~ ~ ~	
out of or related to the pe	cilient's exclusive rem sr cause whatsoever sequental damages, ce of services hereu	hether based in contract on nless made in writing and business interruptions, ic s of whether such claim is	or tort, shall be limited to the amount paid by the client for the freehed by Cardinal within 30 days after completion of the applicable one of use, or loss of profils incurred by client, its subsidiaries, a branch use with the subsidiaries.	id by the client for the er completion of the applicable client, its subsidiaries.	
(A)	Time:HIO	Received By:	Amery	Verbal Result: Yes No Add'I Phone #: All Results are emailed. Please provide Email address:	Add'l Phone #: vvide Email address:
	Time:	Neceived By:	C	REMARKS:	
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Observed Temp. *C Corrected Temp. *C	-/,4 Sample Condition	1 CHECKED BY: (Initials)	Turnaround Time: Standard Rush Thermometer ID #113 #111	· Bacteria (only) Sample Condition □ Cool Intact Observed Temp. °C □ Yes □ Yes

Company Name	Company Name: Ensolum, LLC	nsolum, LLC			BI	BILL TO				ANALYSIS		REQUEST
Project Manager: Hadlie Green	r: Hadlie Green				P.O. #:	1		-	-			
Address: 601 N	Address: 601 N Marienfeld Street, Suite 400	, Suite 400			Company: BTA Oil	TA OII			1	7		
City: Midland		State: TX	Zip: 79701		Attn: Kelton Beaird	Beaird		-	00			
Phone #: 432-557-8895	7-8895	Fax #:			Address: 104 S Pecos	S Pecos St	+	_	-			
Project #: 03C	2012	042 Project Owner:	ñ		City: Midland			-	Y		-	
Project Name: De	DAE-	7811 JU-P FA	100	Ŧ	State: TX	Zip: 79701		-	-			
Project Location:	Ur32.107	76101-103.56	0		432	-312-2203		_				
Sampler Name:	Sampler Name: Peter Van Patten				Fax #:				1			
FOR LAB USE ONLY				MATRIX	PRESERV.	SAMPLING	ING	1	6			1 2 2 3
Lab I.D.	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMP # CONTAINERS GROUNDWATER	WASTEWATER SOIL OIL SLUDGE	OTHER : ACID/BASE: ICE / COOL OTHER :	DATE	TIME	TPH	Chloride	Chorne		
71	1254	1	-	<	5		1.017	2	7			
72	F572	1 - 1	1	<	5	_	1819				-	
75	F573	1	0 1	<	5	E	1077		1			
74	5574	1	1 2	1	<	1	2024	< -				
25	FS75	1	0 (<	<	2	1027		<	`		
36	F576		- 0	<	<	2	1030	5	2			
78	FXX	1	0	<	<	11	10/01	< <	1			
79	FSA	1	Cr	<	<		1049	10	(
80	R	1	c (<	2	V I	1052 0	1	1			
analyses. All claims including service. In no event shall Can affiliates or successors arising		clients exclusive remedy for er cause whatsoever shall be tsequental damages, includia too of services hereunder by	any claim arising whet deemed waived unle g without limitation, bi Cardinal reportions of	arising whether based in contract or tort, shall be i waived unfess made in writing and received by Ca limitation, business interruptions, loss of use, or lor manufaces of whether much offer in the section.	t or tort, shall be limited to the amount paid by the client for the of received by Cardinal within 30 days after completion of the <i>s</i> loss of use, or loss of profils incurred by client, its subsidiaries loss of use of profils incurred by client, its subsidiaries of the state of the st	the amount paid by in 30 days after co to incurred by diem	nt paid by the client for the s after completion of the app d by client, its subsidiaries,	plicable	-			
Relinquished By:	2	Date:722	Received By:	By:			Verbal Result:		Yes 6	No Add'l Phone #:	one #:	
1-42 L	take	Time: 1410	AS.	dago	New)	All Results are email	hgven(Der Plea	Eer Solution Course	address:	
Kelinquished By:		Date: Time:	Received By	By: ••• U	0	70	REMARKS:					1
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	cle One) us - Other:	Observed Temp. °C	1.4 %	Sample Condition	n CHECKED BY: (Initials)		Turnaround Time:	ime:	11	Standard W Ba	Bacteria (only) S Cool Intact	Bacteria (only) Sample Condition Cool Intact Observed Temp. °C

Received by OCD: 10/13/2023 3:55:22 PM

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Laboratories

Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Received by OCD: 10/13/2023 3:55:22 PM

Company Name: Ensolum, LLC			BILL TO		ANALYSIS RE	REQUEST
Project Manager: Hadlie Green			P.O. #:			
Address: 601 N Marienfeld Street, Suite 400	st, 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 #:	Project Owner:	a	City: Midland			
Project Name:			State: TX Zip: 79701	01		
Project Location:			Phone #: 432-312-2203	3		
Sampler Name: Peter Van Patten	3		Fax #:			
FOR LAB USE ONLY		MATRIX	ESERV.	SAMPLING		
	Denth	IRS ATER	5	×	xe.5	
Lab I.D. Sample I.D.	D. (feet)	G)RAB OR (C # CONTAINER GROUNDWAT WASTEWATE SOIL SIL SLUDGE	DTHER : ACID/BASE: CE / COOL	TPH BTE;	Chlorida	
1853 18	1	I	V. 8.16-23	1054 V J		
28 23 28	1	0 - 1		1057 2 2		
	_	CIV	V	1212 - 1	/	
HA 57 1-18	-	5 1 3	1	5		
85 FS85	1	CIV	1	(<	
0'	1	C I V	V	1220 1 1,	<	
87 FS 87	1	010	V	1227 1 1	<	
88 FS8	1		1	1225 1 1		
1854 68	1	C 1 0	~	1227 2 1		
8	1	C 1 C	V	2238 - 1	<	
PLEASE NOTE: Liability and Damages. Cardinat's liability and client's exclusive remody for any claim arising whether based in contract or fort, shall be limited to the amount paid by the client for the numbres. All claims including those for negligence and any other cause whatspower shall be detended whether unless made in witting 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 profiles incurred by dashed. Its subsidiaries, tillialise or successors arising out of or related to the performance of services hereunder by Cardinal vehicles and the vehicle action and or the above stated reasons or otherwise.	ity and client's exclusive remedy for any claim any other cause whatsoever shall be deemed t or consequental damages, including without formance of services hereunder by Cardinal.	ny claim ansing whether based in contrac deemed waived unless made in writing an y without limitation, business interruptions, ardinal, regardless of whether such claim	er based in contract or fort, shall be limited to the amount pa s made in writing and received by Cardinal within 30 days alt siness interruptions, loss of use, or loss of profiss incurred by whether such claim is based upon any of the above stated	nt paid by the client for the a after completion of the applicable d by client, its subsidiaries, led reasons or otherwise		
Relinquished By:	Pate: 723	Received By:		Verbal Result: Ves	Verbal Result: Yes No Add'I Phone #: All Results are emailed. Please provide Email address:	
ゆうれた年	fime 410	014001	Ronieu	hquene	eusolur, con	
Relinquished By:	Date:	Received By:	1000			
(Circle O	Observed Temp. °C	a 2	tion CHECKED BY:		Standard Bacteria (only Rush	Bacteria (only) Sample Condition
Sampler - UPS - Bus - Other:	Corrected Temp. *C	Ves Ves	N	Correction Factor 0.5°C	FI40 UYes UYes	

Page 177 of 369



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/ga/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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. Keine

Celey D. Keene Lab Director/Quality Manager



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

Received:	08/17/2023	Sampling Date:	08/16/2023
Reported:	08/23/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

Sample ID: FS 91 1' (H234471-01)

BTEX 8021B	mg	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
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	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Chloride	<16.0	16.0	08/18/2023	ND	432	108	400	3.77	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	104	% 49.1-14	0						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/17/2023	Sampling Date:	08/16/2023
Reported:	08/23/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

Sample ID: FS 92 1' (H234471-02)

BTEX 8021B	mg,	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 9	% 71.5-13	4						
Chloride, SM4500Cl-B	nloride, 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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	113 9	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/17/2023	Sampling Date:	08/16/2023
Reported:	08/23/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

Sample ID: FS 93 1' (H234471-03)

BTEX 8021B	mg,	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/18/2023	ND	432	108	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	104	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/17/2023	Sampling Date:	08/16/2023
Reported:	08/23/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

Sample ID: FS 94 1' (H234471-04)

BTEX 8021B	mg/	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/18/2023	ND	432	108	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	108	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/17/2023	Sampling Date:	08/16/2023
Reported:	08/23/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

Sample ID: FS 95 1' (H234471-05)

BTEX 8021B	mg	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/18/2023	ND	432	108	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	110 9	% 49.1-14	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/17/2023	Sampling Date:	08/16/2023
Reported:	08/23/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

Sample ID: FS 96 1' (H234471-06)

BTEX 8021B	mg,	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/21/2023	ND	432	108	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	106	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/17/2023	Sampling Date:	08/16/2023
Reported:	08/23/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

Sample ID: FS 97 1' (H234471-07)

BTEX 8021B	mg,	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/21/2023	ND	432	108	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	100	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/17/2023	Sampling Date:	08/16/2023
Reported:	08/23/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

Sample ID: FS 98 1' (H234471-08)

BTEX 8021B	mg/	′kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/21/2023	ND	432	108	400	3.77	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	81.2	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/17/2023	Sampling Date:	08/16/2023
Reported:	08/23/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

Sample ID: FS 99 1' (H234471-09)

BTEX 8021B	mg,	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/21/2023	ND	432	108	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	96.2	% 49.1-14	8						

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

Received:	08/17/2023	Sampling Date:	08/16/2023
Reported:	08/23/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

Sample ID: FS 100 1' (H234471-10)

BTEX 8021B	mg,	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/21/2023	ND	432	108	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	95.9	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/17/2023	Sampling Date:	08/16/2023
Reported:	08/23/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

Sample ID: FS 101 1' (H234471-11)

BTEX 8021B	mg,	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	111 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/21/2023	ND	432	108	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	80.3	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/17/2023	Sampling Date:	08/16/2023
Reported:	08/23/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

Sample ID: FS 102 1' (H234471-12)

BTEX 8021B	mg,	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/21/2023	ND	432	108	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	90.8	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/17/2023	Sampling Date:	08/16/2023
Reported:	08/23/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

Sample ID: FS 103 1' (H234471-13)

BTEX 8021B	mg,	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/21/2023	ND	432	108	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	106	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/17/2023	Sampling Date:	08/16/2023
Reported:	08/23/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

Sample ID: FS 104 1' (H234471-14)

BTEX 8021B	mg/	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/21/2023	ND	432	108	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	97.0	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/17/2023	Sampling Date:	08/16/2023
Reported:	08/23/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

Sample ID: FS 105 1' (H234471-15)

BTEX 8021B	mg/	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/21/2023	ND	432	108	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	98.2	% 49.1-14	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

Install BILL TO ANALYSIS 100 Company: BTA OIL Company: BTA OIL State: TX Zip: 79701 Attr. Kelton Beaind 3x.#: Address: 104 S Pacos St. Company: BTA OIL Torject Owner: City: Midland Fax.#: Same: TX 2.V-P Fac: City: Midland Fax.#: 1.1025 G(I) (D) (D) (D) (D) (D) (D) (D) (D) (D) (D

Delivered By: (Circle One) (O) Sampler - UPS - Bus - Other: C.	Relinquished By:	PLEASE NOTE: Liability and Damages. Cardina's liability and client's exclusive analyses. All claims including those for negligence and any other cause whateon service. In no event thall Cardinal be liable for incidential or consequential dama filling or successors arising out of ar related to the performance of services the	4 Pr	A A	15 55105	14 FSIOH	13 45103	20154 21	11 1-101	Lab I.D. Sample I.D.	FOR LAB USE ONLY	Sampler Name: Peter Van Patten	Project Location: 32. (67610)	Project Name: ROJO AE	Project #: 0302012042	Phone #: 432-557-8895	City: Midland	Address: 601 N Marienfeld Street, Suite 400	Project Manager: Hadlie Green	Company Name: Ensolum, LLC	101 East Marlanc (575) 393-2326	Labora
Observed Temp. °C /,4 Sample Condition Corrected Temp. °C Cool Intact Corrected Temp. °C Intact No No No	Date: Received By: Time: Received By: Date: Received By:	remedy for any claim aris wer shall be deemed wai ges, including without limi reunder by Cardinal, regi			1 (1)	1 1 1 1		- ((G)RAB OR (C)OMF # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE	MATRIX		01,-103:564101	784 JV-P Fed COIH	Project Owner:	Fax #:	State: TX Zip: 79701	Suite 400			101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476	ratories
s Hunitratis) Thermometer ID 4415	NAME AND ADDRESS OF TAXABLE PARTY.	ing whether based in contract or tort, shall be limited to the amount paid by the client for the word unless made in writing and received by Cardinal within 30 days after completion of the applicable tation, business interruptions, loss of use of uses of profils incurred by client, its subplicable tation, business interruptions, loss of uses of uses of profils incurred by client, its subplicable profiless of whether such claim is based uses any or the anthone station assessor as otherwise.			~ ~ J 38 ~ .	1 2225 /	1 1322 V	1 btst	~ X-1623 1327 ~	OTHER : ACID/BASE: ICE / COOL OTHER : DATE	PRESERV. SAMPLING	Fax #:	432	State: TX Zip: 79701	City: Midland	Address: 104 S Pecos St	Attn: Kelton Beaird	Company: BTA Oil	P.O. #:	BILL TO		CHAIN-OF-
Standard Bacteria (only) Sample Condition Rush Cool Intact Observed Temp. °C	Verbal Result: Dyes Dylo Add" Phone #: All Results are emailed. Please provide Email address: Agreen @eugduur, con									BTEX	5									ANALVSIS DECLIEST		CHAIN-OF-CUSTODY AND ANALYSIS REQUEST



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

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

Accreditation applies to public drinking water matrices.

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. Keine

Celey D. Keene Lab Director/Quality Manager



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

Received:	08/22/2023	Sampling Date:	08/22/2023
Reported:	08/28/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	** (See Notes)
Project Number:	03C2012042	Sample Received By:	Tamara Oldaker
Project Location:	BTA 32.1076101,-103.564101		

Sample ID: SS 01 0.5' (H234560-01)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/24/2023	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	114 9	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/22/2023	Sampling Date:	08/22/2023
Reported:	08/28/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	** (See Notes)
Project Number:	03C2012042	Sample Received By:	Tamara Oldaker
Project Location:	BTA 32.1076101,-103.564101		

Sample ID: SS 02 0.5' (H234560-02)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/24/2023	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	115 9	% 49.1-14	8						

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*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/22/2023	Sampling Date:	08/22/2023
Reported:	08/28/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	** (See Notes)
Project Number:	03C2012042	Sample Received By:	Tamara Oldaker
Project Location:	BTA 32.1076101,-103.564101		

Sample ID: SS 03 0.5' (H234560-03)

BTEX 8021B	mg/	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/24/2023	ND	416	104	400	0.00	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	114 9	% 49.1-14	8						

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*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/22/2023	Sampling Date:	08/22/2023
Reported:	08/28/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	** (See Notes)
Project Number:	03C2012042	Sample Received By:	Tamara Oldaker
Project Location:	BTA 32.1076101,-103.564101		

Sample ID: SS 04 0.5' (H234560-04)

BTEX 8021B	mg/	'kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/24/2023	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	118 %	% 49.1-14	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/22/2023	Sampling Date:	08/22/2023
Reported:	08/28/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	** (See Notes)
Project Number:	03C2012042	Sample Received By:	Tamara Oldaker
Project Location:	BTA 32.1076101,-103.564101		

Sample ID: SS 05 0.5' (H234560-05)

BTEX 8021B	mg/	'kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/24/2023	ND	416	104	400	0.00	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	97.4	% 49.1-14	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/22/2023	Sampling Date:	08/22/2023
Reported:	08/28/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	** (See Notes)
Project Number:	03C2012042	Sample Received By:	Tamara Oldaker
Project Location:	BTA 32.1076101,-103.564101		

Sample ID: SS 06 0.5' (H234560-06)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/24/2023	ND	416	104	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	95.0	% 49.1-14	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/22/2023	Sampling Date:	08/22/2023
Reported:	08/28/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	** (See Notes)
Project Number:	03C2012042	Sample Received By:	Tamara Oldaker
Project Location:	BTA 32.1076101,-103.564101		

Sample ID: SS 07 0.5' (H234560-07)

BTEX 8021B	mg/	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/24/2023	ND	416	104	400	0.00	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	92.7	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/22/2023	Sampling Date:	08/22/2023
Reported:	08/28/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	** (See Notes)
Project Number:	03C2012042	Sample Received By:	Tamara Oldaker
Project Location:	BTA 32.1076101,-103.564101		

Sample ID: SS 08 0.5' (H234560-08)

BTEX 8021B	mg/	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/24/2023	ND	416	104	400	0.00	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	<i>99.2</i>	% 49.1-14	8						

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*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/22/2023	Sampling Date:	08/22/2023
Reported:	08/28/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	** (See Notes)
Project Number:	03C2012042	Sample Received By:	Tamara Oldaker
Project Location:	BTA 32.1076101,-103.564101		

Sample ID: SS 09 0.5' (H234560-09)

BTEX 8021B	mg/	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/24/2023	ND	416	104	400	0.00	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	96.1	% 49.1-14	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/22/2023	Sampling Date:	08/22/2023
Reported:	08/28/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	** (See Notes)
Project Number:	03C2012042	Sample Received By:	Tamara Oldaker
Project Location:	BTA 32.1076101,-103.564101		

Sample ID: SS 10 0.5' (H234560-10)

BTEX 8021B	mg	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	102	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/24/2023	ND	432	108	400	3.77	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	104	% 49.1-14	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/22/2023	Sampling Date:	08/22/2023
Reported:	08/28/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	** (See Notes)
Project Number:	03C2012042	Sample Received By:	Tamara Oldaker
Project Location:	BTA 32.1076101,-103.564101		

Sample ID: SS 11 0.5' (H234560-11)

BTEX 8021B	mg/	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	102 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/24/2023	ND	432	108	400	3.77	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	97.7	% 49.1-14	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Cardinal Laboratories

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager

(575 Company Name: Enso Project Manager: Hadli Address: 601 N Marien City: Midland Phone #: 432-557-8895 Project #:03C2012042 Project Name: Rojo AE Project Location: 32.10 Sampler Name: Peter V	101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476 Company Name: Ensolum, LLC Project Manager: Hadlie Green Address: 601 N Marienfeld Street, Suite 400 City: Midland State: TX Zij Phone #: 432-557-8895 Fax #: Project #:03C2012042 Project Owner: Project Location: 32.1076101,-103.564101 Sampler Name: Peter Van Patten FR LAB USE ONLY	11 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476 Insolum, LLC Iadlie Green Irienfeld Street, Suite 400 State: TX Zij State:	8240 2476 Zip: 79701		BILL T P.O. #: P.O. #: Company: BTA Oil Attn: Kelton Beaird Atdress: 104 S Pec Ctity: Midland State: TX Zip: 79 Phone #: 432-312-22 Fax #: State: TX	LI IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	PLING		
FOR LAB USE ONLY Lab I.D.	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMP. # CONTAINERS	GROUNDWATER WASTEWATER SOIL OIL	ICE / COOL	R	SAMPLING	TPH	BTEX
2-13	SS01 SS02	0.5		55	< <	8.12.23	900	<<	22
ECH	SS03 SS04	0.5	01	2	2 2		920	1	2
25	SS05	О. Л. Л. Л.	0	2	<		940	1	1
02	SS07	0.5 л	0	5	((1000	1	5
9	SS09	0.5	0	5 5	<		1010	50	< <
PLEASE NOTE: Liability an analyses. All claims includin service. In no event shall Ca	PLEASE NOTE: Lability and Damages. Cardina's liability and cl analyses. All claims including those for negligence and any other service. In no event shall Cardinal be liable for incidental or const annual cardinal be liable for incidental or const	0.5 ent's exclusiv cause whats quental dam	C edy for any claim arising shall be deemed waived including without limitate	whether bas unless made in, business i	ed in contract or tort, shall be limited to the amount paid by the client for the s writing and received by Cardinals within 30 days after completion of the s interruptions, loss of use, or loss of profits incurred by client, its subaidancies interruptions.	ted to the amount pain and within 30 days after of profits incurred by c	10.30 V paid by the client for the after completion of the applicable by client, its subsidiaries,	abblic <	able C
Relinquished By:	Inquished By:	Time: 175		ed By:	n is based upon any of	the above stated re	Verbal Result: □ Yes	great	emailed. Pi reen@e
reinquisried by.		Date: Time:	Received By:	ed By:		(REMARKS:	0	Caller
Delivered By: (Circle One) Sampler - UPS - Bus - Oti	her:	Observed Temp. *C	14.4	Sample Condition		(Initials)	Turnaround Time:	8 -	ime:

Page 210 of 369

Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Relinquished By:	analyses, All claims including t service. In no event shall Card affiliates or successors arising o affiliates or successors arising o	PLEASE NOTE: Liabley and I	-			11	HE345	Lab I.D.	FOR LAB USE ONLY	Sampler Name: Peter Van Patten	Project Location	Project Name: Ru	Project #:03C2012042	Phone #: 432-557-8895	City: Midland	Address: 601 N I	Project Manager: Hadlie Green	Company Name:
	Rate	analyses. All claims including those for negligence and any other service. In no event shall Contriant be liable for incidental or conse affiliates or successors arising out of or related to the performance Refinence is shall Rev.	Damaces, Cardinal's liability an				1100	0011	Sample I.D.		Peter Van Patten	Project Location: 32.1076101,-103.564101	Project Name: Rojo AE 7811 JV-P Fed 001H	12042	7-8895		Address: 601 N Marienfeld Street, Suite 400	: Hadlie Green	m
Time: Observed Temp. *C Corrected Temp. *C	Time: 1/16 (nseque	d cliente evelucios remodu for a				0.0		Depth (feet)			564101	Fed 001H	Project Owner:	Fax #:	State: TX	Suite 400		insolum, LLC
14.4 Sample Condition	Received By:	ation, business rdiess of whet					- <	# CO GRO WAS SOI	RAB OR (C)OM ONTAINERS DUNDWATER STEWATER L DGE	MATRIX			7.5	a		Zip: 79701			
On CHECKED BY:	Mileton	set or concernent of the annuel of the annuel part by de in writing and received by Carcinal which 30 bys after con- sinterruptions, loss of use, or loss of profits incurred by client, her such claim is based upon any of the above stated reason					× 22.23	ICE OTH	D/BASE: / COOL 🥿	PRESERV. SA	Fax #:	432	State: TX Zip: 79701	City: Midland	Address: 104 S Pecos St	Attn: Kelton Beaird	Company: BTA Oil	P.O. #:	BILL TO
Turnaround Time:	All Results are ema hgree	ount past by the client for the ays after completion of the applicable red by client, its subsidiaries, lated reasons or otherwise.				1	1040 V	TIME T	-РН	SAMPLING		03	701		os St				0
Standard P Rush #/20	Verbal Result: Verbal Result: Yes No Add'I Phone #: All Results are emailed. Please provide Email address: hgreen@ensolum.com REMARKS:						~ ~	EC	TEX Chloride	5									ANA
Bacteria (only) Sample Condition Cool Intact Observed Temp. °C	Phone #: nail address: M																		ANALYSIS REQUEST

Released to Imaging: 10/24/2023 10:13:28 AM



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

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

Accreditation applies to public drinking water matrices.

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. Keine

Celey D. Keene Lab Director/Quality Manager



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

Received:	08/22/2023	Sampling Date:	08/17/2023
Reported:	08/28/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

Sample ID: FS 106 1' (H234571-01)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/24/2023	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	74.0	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/22/2023	Sampling Date:	08/17/2023
Reported:	08/28/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

Sample ID: FS 107 1' (H234571-02)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/24/2023	ND	416	104	400	0.00	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	75.2	% 49.1-14	8						

Cardinal Laboratories

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/22/2023	Sampling Date:	08/17/2023
Reported:	08/28/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

Sample ID: FS 108 1' (H234571-03)

BTEX 8021B	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/24/2023	ND	416	104	400	0.00	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	79.5	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/22/2023	Sampling Date:	08/17/2023
Reported:	08/28/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

Sample ID: FS 109 1' (H234571-04)

BTEX 8021B	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/24/2023	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	80.0	% 49.1-14	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/22/2023	Sampling Date:	08/17/2023
Reported:	08/28/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

Sample ID: FS 110 1' (H234571-05)

BTEX 8021B	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/24/2023	ND	416	104	400	0.00	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	74.6	% 49.1-14	8						

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*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/22/2023	Sampling Date:	08/17/2023
Reported:	08/28/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

Sample ID: FS 111 1' (H234571-06)

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/24/2023	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	81.1	% 49.1-14	8						

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

Received:	08/22/2023	Sampling Date:	08/17/2023
Reported:	08/28/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

Sample ID: FS 112 1' (H234571-07)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/24/2023	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	76.2	% 49.1-14	8						

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

Received:	08/22/2023	Sampling Date:	08/17/2023
Reported:	08/28/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

Sample ID: FS 113 1' (H234571-08)

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/24/2023	ND	416	104	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	81.1	% 49.1-14	8						

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Received:	08/22/2023	Sampling Date:	08/17/2023
Reported:	08/28/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

Sample ID: FS 114 1' (H234571-09)

BTEX 8021B	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/24/2023	ND	416	104	400	0.00	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	77.7	% 49.1-14	8						

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Received:	08/22/2023	Sampling Date:	08/17/2023
Reported:	08/28/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

Sample ID: FS 115 1' (H234571-10)

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/24/2023	ND	416	104	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	73.4	% 49.1-14	8						

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Received:	08/22/2023	Sampling Date:	08/17/2023
Reported:	08/28/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

Sample ID: FS 116 1' (H234571-11)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/24/2023	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	74.9	% 49.1-14	8						

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Received:	08/22/2023	Sampling Date:	08/17/2023
Reported:	08/28/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

Sample ID: FS 117 1' (H234571-12)

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/24/2023	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	71.7	% 49.1-14	8						

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Received:	08/22/2023	Sampling Date:	08/17/2023
Reported:	08/28/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

Sample ID: FS 118 1' (H234571-13)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/24/2023	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	70.1	% 49.1-14	8						

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Received:	08/22/2023	Sampling Date:	08/17/2023
Reported:	08/28/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

Sample ID: FS 119 1' (H234571-14)

BTEX 8021B	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	08/24/2023	ND	416	104	400	0.00	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	74.3	% 49.1-14	8						

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Received:	08/22/2023	Sampling Date:	08/17/2023
Reported:	08/28/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

Sample ID: FS 120 1' (H234571-15)

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/24/2023	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	99.5	% 49.1-14	8						

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

Received:	08/22/2023	Sampling Date:	08/17/2023
Reported:	08/28/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

Sample ID: FS 121 1' (H234571-16)

BTEX 8021B	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/24/2023	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	97.7	% 49.1-14	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/22/2023	Sampling Date:	08/17/2023
Reported:	08/28/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

Sample ID: FS 122 1' (H234571-17)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/24/2023	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	101	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/22/2023	Sampling Date:	08/17/2023
Reported:	08/28/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

Sample ID: FS 123 1' (H234571-18)

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/24/2023	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	96.8	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/22/2023	Sampling Date:	08/17/2023
Reported:	08/28/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

Sample ID: FS 124 1' (H234571-19)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/24/2023	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	99.5	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/22/2023	Sampling Date:	08/17/2023
Reported:	08/28/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

Sample ID: FS 125 1' (H234571-20)

BTEX 8021B	mg,	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/24/2023	ND	432	108	400	0.00	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	102	% 49.1-14	8						

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

Received:	08/22/2023	Sampling Date:	08/17/2023
Reported:	08/28/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

Sample ID: FS 126 1' (H234571-21)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/24/2023	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	97.2	% 49.1-14	8						

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

Received:	08/22/2023	Sampling Date:	08/17/2023
Reported:	08/28/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

Sample ID: FS 127 1' (H234571-22)

BTEX 8021B	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/24/2023	ND	432	108	400	0.00	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	102 9	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/22/2023	Sampling Date:	08/17/2023
Reported:	08/28/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

Sample ID: FS 128 1' (H234571-23)

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/24/2023	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	97.6	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/22/2023	Sampling Date:	08/17/2023
Reported:	08/28/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

Sample ID: FS 129 1' (H234571-24)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/24/2023	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	98.2	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/22/2023	Sampling Date:	08/17/2023
Reported:	08/28/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

Sample ID: FS 130 1' (H234571-25)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/24/2023	ND	432	108	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	95.8	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/22/2023	Sampling Date:	08/17/2023
Reported:	08/28/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

Sample ID: FS 131 1' (H234571-26)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/24/2023	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	99.6	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/22/2023	Sampling Date:	08/17/2023
Reported:	08/28/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

Sample ID: FS 132 1' (H234571-27)

BTEX 8021B	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	08/24/2023	ND	432	108	400	0.00	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	103 9	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/22/2023	Sampling Date:	08/17/2023
Reported:	08/28/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

Sample ID: FS 133 1' (H234571-28)

BTEX 8021B	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	08/24/2023	ND	432	108	400	0.00	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	101 9	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



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Received:	08/22/2023	Sampling Date:	08/17/2023
Reported:	08/28/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

Sample ID: FS 134 1' (H234571-29)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	08/24/2023	ND	432	108	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	104 9	49.1-14	8						

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Received:	08/22/2023	Sampling Date:	08/17/2023
Reported:	08/28/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

Sample ID: FS 135 1' (H234571-30)

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/24/2023	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	96.3	% 49.1-14	8						

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Received:	08/22/2023	Sampling Date:	08/17/2023
Reported:	08/28/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

Sample ID: FS 136 1' (H234571-31)

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/24/2023	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	98.4	% 49.1-14	8						

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Received:	08/22/2023	Sampling Date:	08/17/2023
Reported:	08/28/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

Sample ID: FS 137 1' (H234571-32)

BTEX 8021B	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/24/2023	ND	432	108	400	0.00	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	110 9	% 49.1-14	8						

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Received:	08/22/2023	Sampling Date:	08/17/2023
Reported:	08/28/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

Sample ID: FS 138 1' (H234571-33)

BTEX 8021B	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/24/2023	ND	432	108	400	0.00	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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 9	48.2-13	4						
Surrogate: 1-Chlorooctadecane	115 9	% 49.1-14	8						

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

Received:	08/22/2023	Sampling Date:	08/17/2023
Reported:	08/28/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

Sample ID: FS 139 1' (H234571-34)

BTEX 8021B	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/24/2023	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	114 9	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/22/2023	Sampling Date:	08/17/2023
Reported:	08/28/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

Sample ID: FS 140 1' (H234571-35)

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/24/2023	ND	432	108	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	101 9	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/22/2023	Sampling Date:	08/17/2023
Reported:	08/28/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

Sample ID: FS 141 1' (H234571-36)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 BTEX	<0.300	0.300	08/24/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.2	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/24/2023	ND	432	108	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	105	% 49.1-14	8						

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

Received:	08/22/2023	Sampling Date:	08/17/2023
Reported:	08/28/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

Sample ID: FS 142 1' (H234571-37)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
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	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/24/2023	ND	432	108	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	118 9	% 49.1-14	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/22/2023	Sampling Date:	08/17/2023
Reported:	08/28/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

Sample ID: FS 143 1' (H234571-38)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	98.8	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/24/2023	ND	432	108	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	112 9	% 49.1-14	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/22/2023	Sampling Date:	08/17/2023
Reported:	08/28/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

Sample ID: FS 144 1' (H234571-39)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	104	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/24/2023	ND	432	108	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	121	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/22/2023	Sampling Date:	08/17/2023
Reported:	08/28/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

Sample ID: FS 145 1' (H234571-40)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	101	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/24/2023	ND	432	108	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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 9	48.2-13	4						
Surrogate: 1-Chlorooctadecane	125	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/22/2023	Sampling Date:	08/17/2023
Reported:	08/28/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

Sample ID: FS 146 1' (H234571-41)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	98.5	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/24/2023	ND	432	108	400	3.77	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	110 9	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/22/2023	Sampling Date:	08/17/2023
Reported:	08/28/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

Sample ID: FS 147 1' (H234571-42)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	101 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/24/2023	ND	432	108	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	111 9	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/22/2023	Sampling Date:	08/17/2023
Reported:	08/28/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

Sample ID: FS 148 1' (H234571-43)

BTEX 8021B	mg/	'kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/24/2023	ND	432	108	400	3.77	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	100 9	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/22/2023	Sampling Date:	08/17/2023
Reported:	08/28/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

Sample ID: FS 149 1' (H234571-44)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	104 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/24/2023	ND	432	108	400	3.77	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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 9	48.2-13	4						
Surrogate: 1-Chlorooctadecane	121 9	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/22/2023	Sampling Date:	08/17/2023
Reported:	08/28/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

Sample ID: FS 150 1' (H234571-45)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	105	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/24/2023	ND	432	108	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	106	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/22/2023	Sampling Date:	08/17/2023
Reported:	08/28/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

Sample ID: FS 151 1' (H234571-46)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	104	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/24/2023	ND	432	108	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	118 9	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/22/2023	Sampling Date:	08/17/2023
Reported:	08/28/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

Sample ID: FS 152 1' (H234571-47)

BTEX 8021B	mg/	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	96.9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/24/2023	ND	432	108	400	3.77	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	110 9	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/22/2023	Sampling Date:	08/17/2023
Reported:	08/28/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

Sample ID: FS 153 1' (H234571-48)

BTEX 8021B	mg/	'kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/24/2023	ND	432	108	400	3.77	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	115 9	49.1-14	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/22/2023	Sampling Date:	08/17/2023
Reported:	08/28/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

Sample ID: FS 154 1' (H234571-49)

BTEX 8021B	mg/	'kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/24/2023	ND	432	108	400	3.77	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	110 9	49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/22/2023	Sampling Date:	08/17/2023
Reported:	08/28/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

Sample ID: FS 155 1' (H234571-50)

BTEX 8021B	mg/	'kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/24/2023	ND	432	108	400	3.77	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	107 9	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/22/2023	Sampling Date:	08/17/2023
Reported:	08/28/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

Sample ID: FS 156 1' (H234571-51)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/24/2023	ND	432	108	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	104	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/22/2023	Sampling Date:	08/17/2023
Reported:	08/28/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

Sample ID: FS 157 1' (H234571-52)

BTEX 8021B	mg/	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	08/24/2023	ND	432	108	400	3.77	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	110 9	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/22/2023	Sampling Date:	08/17/2023
Reported:	08/28/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

Sample ID: FS 158 1' (H234571-53)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/24/2023	ND	432	108	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	98.3	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/22/2023	Sampling Date:	08/17/2023
Reported:	08/28/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

Sample ID: FS 159 1' (H234571-54)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	91.8	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/24/2023	ND	432	108	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	98.4	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/22/2023	Sampling Date:	08/17/2023
Reported:	08/28/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

Sample ID: FS 160 1' (H234571-55)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/24/2023	ND	416	104	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	114 9	% 49.1-14	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/22/2023	Sampling Date:	08/17/2023
Reported:	08/28/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

Sample ID: FS 161 1' (H234571-56)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/24/2023	ND	416	104	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	99.2	% 49.1-14	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/22/2023	Sampling Date:	08/17/2023
Reported:	08/28/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

Sample ID: FS 162 1' (H234571-57)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/24/2023	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	116 9	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



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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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager

Company Name: Ensolum, LLC	Ensolum, LLC			BILL TO	-			ANALYSIS REQUEST
Project Manager: Hadlie Green	: Hadlie Green			P.O. #:			_	
Address: 601 N M	Address: 601 N Marienfeld Street, Suite 400	Suite 400		Company: BTA Oil				
City: Midland		State: TX	Zip: 79701	Attn: Kelton Beaird				
Phone #: 432-557-8895	-8895	Fax #:		Address: 104 S Pecos	s St			
Project #:03C2012042	2042	Project Owner:		City: Midland		~		
Project Name: Ro	Project Name: Rojo AE 7811 JV-P Fed 001H	Fed 001H		State: TX Zip: 79701	701			
Project Location:	Project Location: 32.1076101,-103.564101	564101		432	03	-		
Sampler Name: Peter Van Patten	eter Van Patten			Fax #:				
FOR LAB USE ONLY			MATRIX	PRESERV. SA	SAMPLING		25	
Lab I.D.	Sample I.D.	Depth (feet)	G)RAB OR (C)OMF CONTAINERS ROUNDWATER VASTEWATER SOIL DIL SLUDGE	DTHER : CID/BASE: CE / COOL DTHER :	TPH	BTEK	BTER	
1	FS106	1		< - C		Ì	1	
e	FS107	1	C 1 1	~ ~ ~	0	<	<	
Ci	FS108	1	C 1 V	<	0772 V	5	<	
4	FS109	-		c	1414 V	5	<	
S	FS110	-	CIV	~ /	0922 L	<	C	
6	FS111	-	C C	<	~ 220 P	<	<	
-	FS112	-	~ ~ ~	4	V 5260	2	2	
b oc	FS113		200	<	V \$260	5	<	
2	FS114	•	CIV	5	V 6260	<	<	
LEASE NOTE: Liability and Dam	HS115 amages. Cardinal's liability an	remedy for	any claim arising whether based in contract o	d in contract or tert, shall be limited to the amount on		(5	
lyses. All claims including the ice. In no event shall Cardis ates or successors arising o	Inalyses. All claims including those for negligence and any other cause whatso service. In no event shall Cardinal be liable for incidental or consequential dams iffliates or successors arising out of or related to the performance of services h.	8 45 9	eemed waived unless without limitation, busing and the second sec	made in writing and received by Cardinal within 30 days after completion of the ress interruptions, loss of use, or loss of profils incurred by client, its subsidiaries hether such claim is based upon any of the above stated reasons or observate hether such claim is based upon any of the above stated reasons or observate hether such claim is based upon any of the above stated reasons or observate hether such claim is based upon any of the above stated reasons or observate hether such claim is based upon any of the above stated reasons or observate the such claim is based upon any of the above stated reasons of the such as the such claim is a such as the such as t	after completion of the applic y client, its subsidiaries, reasons or otherwise	able		
A A A	D.	Select &	Received By:	7 1	Verbal Result:	The Yes	Please pro	Ives ErNo Add'I Phone #: Iled, Please provide Email address:
Relinquished By:	- Tar	Date:	Received By:	MANNA	hgree	een@	n@ensolum.com	m.com
		Time:		0	NEMAKAS.			
Delivered By: (Circle One) Sampler - UPS - Bus - Other:		Observed Temp. *C Corrected Temp. *C	Lac Sample Condition	on CHECKED BY: (Initials)	Turnaround Time: Standar Rush	er er	Standard	Bacteria (only) Sample Condition Cool Intact Observed Temp. °C

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Ensolum. LLC	Ensolum 11C									
Project Manager: Hadlie Green	: Hadlie Green				BO #	10	1			ANALYSIS REQUEST
Address: 601 N N	Address: 601 N Marienfeld Street, S	Suite 400		0	Company: BTA Oil	-		1	-	
City: Midland		State: TX	Zip	Zip: 79701 A	Attn: Kelton Beaird	ď				
Phone #: 432-557-8895	-8895	Fax #:			Address: 104 S Pecos St	cos St				
Project #:03C2012042	2042	Project Owner:	ä	0	City: Midland				-	
Project Name: Ro	Project Name: Rojo AE 7811 JV-P Fed 001H	9d 001H		S	State: TX Zip: 79701	19701				
Project Location:	Project Location: 32.1076101,-103.564101	64101		G	432	2003			_	
Sampler Name: Peter Van Patten	eter Van Patten			71	Fax #:				-	
FOR LAB USE ONLY				MATRIX	ESERV	SAMPI ING			5	
Lab I.D.	Sample I.D.	Depth	OR (C)OMP.	AINERS DWATER VATER			PH	EX	lor;de:	
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21	FS117	1	0	2	ſ		(< (. <	
13	FS118	1	0	<	2	6564	(27	<<	
	FS119	-	7	- C	<	24.60	<	5	<	
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20	FS125	1				1070T	((1	2	
PLEASE NOTE: Liability and D analyses. All claims including th pervice. In no event shall Cardin theates or successors arising or	amages. Cardinal's liability and cli hose for negligence and any other hal be liable for incidential or conse ut of or related to the performance	ent's exclusive remedy for any claim arising w cause whatsoever shall be deemed waived u quential damages, including without limitation of services horeunder by Cardinal , reparder of services horeunder by Cardinal .	ry claim a leemed w without lin without lin	PLEASE NOTE: Lability and Damages. Cardina's lability and client's exclusive remedy for any claim arising whether based in contract or text shall be limited to the amount paid by the client for the manayees. All claims including those for negligence and any other cause whatherwer shall be deemed waived unless made in writing and received by Cardinal whith 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidential or consequential damages. Incidently whether whather we waite sterruptions, loss of use, or toos of profils insured by claims, its subsidiaries, atfliates or auccessors arising out of trefleted the performance of services herwinde by Cardinal repartices returnations, loss of use, or toos of profils insured by claim, its subsidiaries, atfliates or auccessors arising out of trefleted the performance of services herwinde by Cardinal repartices or sub-terms in the here.	shall be limited to the amount red by Cardinal within 30 day use, or loss of profits incurred	1 paid by the client for the safter completion of the sub-sident, its sub-sidente for the sub-sidenter sub-si	applicable s,	4	<	
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Kelinquished By:		Date: ¹ Time:	Rect	Received By:	Dana	REMARKS:				
Delivered By: (Circle One) Sampler - UPS - Bus - Other:		served Temp.	5000	Sample Condition Cool Intact Yes Yes	CHECKED BY:	Turnaround Time: Thermometer IDH4	Time:		Standard Rush	Bacteria (only) Sample Condition Cool Intact Observed Temp. °C

									ANALYSIS RECITS
Project Manager: Hadlie Green	Hadlie Green			P.O. #:				-	
Address: 601 N Marienfeld Street, Suite 400	larienfeld Street, S	Suite 400		Company: BTA Oil	Oil				
City: Midland		State: TX	Zip: 79701	Attn: Kelton Beaird	aird			_	
Phone #: 432-557-8895	-8895	Fax #:		Address: 104 S Pecos	Pecos St				
Project #:03C2012042	2042	Project Owner:	91.	City: Midland					
Project Name: Rojo AE 7811 JV-P Fed 001H	jo AE 7811 JV-P F	ed 001H		State: TX ZI	Zip: 79701			-	
Project Location: 32.1076101,-103.564101	32.1076101,-103.5	564101		432	12-2203			-	
Sampler Name: Peter Van Patten	eter Van Patten			Fax #:					
FOR LAB USE ONLY			MATRIX	PRESERV.	SAMPLING	-	_		
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at	FS129	-	CI V	<	1043	((<	
	FS130	-	2	<	1 dHV	5	<	-	
	FS131		21 1 2	<	2287	5	$\langle \cdot \rangle$	(
	FS132	1		<	3055	(<	<	
	FS133	-	CIV	<	1056	2		<	
96	FS134	-	C 1 V	<	7059	7	5	5	
30	S135	1	CI V	<	1 2058	5	5		
All claims including thoses. All claims including those foce. In no event shall Cardinal altes of successors arising out a	1 Usinges, Caronars lability and those for negligence and any oth dinal be hable for incidental or con gout of or related to the performant.	ans apolity and clerits exclusive remody for any claim nee and any other cause whatsoever shall be deemed incidental or concequential damages, including without to the performance of services hereander by Cardinal.	arising whether based in contrac waived unless made in writing ar limitation, business interruptions, limitation, business interruptions, regardless of whether such claim	The based in contract or tort shall be limited to the amount paid by the client for the essmade in writing and received by Cardinal within 30 days after completion of the a business interruptions, less of use, or loss of profils incurred by client, it is subsidiarios of whether such claim is based upon any of the above stable various as interruptions.	imount paid by the client fo 0 days after completion of 1 ourred by client, its subsidie	for the of the applicable diaries.			
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† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

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Laboratories

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240

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ne) Other		- Prit-	Q	es. Caronars incosing and c or negligence and any othe liable for incidental or cons or related to the performanc	FS145	FS144	FS143	FS142	FS141	FS140	FS139	FS138	FS137	FS136	Sample I.D.	r Van Patten	1076101,-103.56	AE 7811 JV-P Fe	2	95		enfeld Street, Si	dlie Green	solum, LLC
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Bacteria (only) Sample Condition Cool Intact Observed Temp. °C						*				1														REQUEST

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

Project Manage Address: 601 N City: Midland Phone #: 432-5	Project Manager: Hadlie Green Address: 601 N Marienfeld Street, Suite 400 City: Midland Sta Phone #: 432-557-8895 Fax	uite 400 State: TX Fax #	Zip: 79701	P.O. #: Company: BTA Oil Attn: Kelton Beaird		Oil	
Phone #: 432-557-8895 Project #:03C2012042	57-8895 112042	Fax #: Project Owner:		Address: 104 S Pecos	ecos St	-	f
Project Name: I	Project Name: Rojo AE 7811 JV-P Fed 001H	001H		State: TX Zin:	Zin: 79701		
Project Locatio	Project Location: 32.1076101,-103.564101	54101		432	-2203		
Sampler Name:	Sampler Name: Peter Van Patten		-	Fax #:			
FOR LAB USE ONLY			P. MATRIX	PRESERV.	SAM	SAMPLING	PLING
Lab I.D.	Sample I.D.	Depth (feet)	(G)RAB OR (C)OM # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE	OTHER : ACID/BASE: ICE / COOL OTHER :	DATE	TIME	TPH
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Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Address: 601 N Marien City: Midland Phone #: 432-557-8895 Project I.32:012042 Project Name: Rojo AE Project Location: 32:10 Sampler Name: Peter V FOR LAB USE ONLY FS T SS FS T SS	Address: 601 N. Marianfeld Street, Suite 400 Company: BTA 011 City: Midland State: TX Zip: 79701 Attn: Kelon Baaird Project #:03C2012042 Project Owner: City: Midland Project #:03C2012042 Project Owner: City: Midland Project I.ocation: 32.1076101,-103.564101 State: TX Zip: 79701 Sampler Name: Rojo AE 7811 JV-P Fed 001H Phone #: 432.312.203 Sampler Name: Peter Van Patton Phone #: 432.312.203 Sampler Name: Feir Van Patton Depth (feet) Depth S3 FS156 53 FS157 54 FS158 53 FS158 54 FS160 55 FS162 1 C 1 C 2 FS162 2 FS162 2	alite 400 State: TX Fax #: Project Owner: d 001H d 001H Depth (feet) 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Zip: 79701 Zip: 79701 Zip: 79701 Contrained with the store of the store o	Inteld Street, Suite 400 Company: BTA Oil 5 Fax #: Attm: Kelton Beaird 6 Fax #: Address: 104 S Pecos St. 127811 JV-P Fed 001H Project Owner: City: Midland 2 T811 JV-P Fed 001H State: TX Zip: 79701 Van Patten Phone #: 432-312-2203 Phone #: 432-312-2203 Van Patten Fax #: Phone #: 432-312-2203 156 1 (feet) Phone #: 432-312-2203 156 1 (gitt): MIdland Patter: 156 1 (gitt): Project Owner: Depth 157 1 (gitt): State: TX Zitt: 158 1 (gitt): State: TX State: TX 158 1 (gitt): State: TX State: TX 158 1 (gitt): State: TX State: TX 159 1 (gitt): State: TX State: TX 158 1 (gitt): State: TX State: TX 159 1 (gitt): TX T312 152 1 (gitt): T	MATRIX PRESERV SAMI OIL WASTEWATER MATRIX PRESERV WASTEWATER SOIL OIL SILUDGE Fax #: ICE / COOL VWASTEWATER SOIL OIL SILUDGE Fax #: ICE / COOL VWASTEWATER SOIL OIL VWASTEWATER Fax #: ICE / COOL VWASTEWATER PRESERV SAMI VWASTEWATER FAX ICE / COOL VWASTEWATER OTHER : SAMI VWASTEWATER V SAMI VWASTEWATER FAX ICE / COOL VWASTEWATER V SAMI VVASTEWATER V SAMI VVASTEWATER V SAMI VVASTEWATER V SAMI VVASTEWATER V V	TA Oil Beaird S Pecos St Zip: 79701 -312-2203 -312-220 -312-20 -312-200 -312-200 -312-200 -312-20	St 1 1 1 1 1328 1328 1328 1329	CCCCCCTPH CCCCCCCCPFEV				
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dress: 601 N	Marienfeld Street, Si	lite 400			Company: B	TA Oil		-				
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mpler Name: F	Peter Van Patten				Fax #:			_	-			
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ab I.D.	Sample I.D.	Depth (feet)	The second s	TEWATER				5 21 11	1 LA	n (or icks		
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Sampler - UPS - Bus - Other: Delivered By: (Circle One)

> Observed Temp. Time:

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Sample Condition Cool Intact

CHECKED BY: (Initials)

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Bacteria (only) Sample Condition Cool Intact Observed Temp. °C || Yee || Yes || Nc || No Corrected Temp. °C

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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CARDINAL Laboratories



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/ga/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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. Keine

Celey D. Keene Lab Director/Quality Manager



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

Received:	08/22/2023	Sampling Date:	08/18/2023
Reported:	08/28/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

Sample ID: FS 163 1' (H234572-01)

BTEX 8021B	mg,	/kg	Analyze	ed 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	100	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/24/2023	ND	416	104	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	134	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/22/2023	Sampling Date:	08/18/2023
Reported:	08/28/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

Sample ID: FS 164 1' (H234572-02)

BTEX 8021B	mg/	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/24/2023	ND	416	104	400	0.00	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	115 9	% 49.1-14	8						

Cardinal Laboratories

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/22/2023	Sampling Date:	08/18/2023
Reported:	08/28/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

Sample ID: FS 165 1' (H234572-03)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/24/2023	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	118 9	% 49.1-14	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/22/2023	Sampling Date:	08/18/2023
Reported:	08/28/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

Sample ID: FS 166 1' (H234572-04)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/24/2023	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	114 9	% 49.1-14	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/22/2023	Sampling Date:	08/18/2023
Reported:	08/28/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

Sample ID: FS 167 1' (H234572-05)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/24/2023	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	121	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/22/2023	Sampling Date:	08/18/2023
Reported:	08/28/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

Sample ID: FS 168 1' (H234572-06)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	102	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/24/2023	ND	416	104	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	116 9	% 49.1-14	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/22/2023	Sampling Date:	08/18/2023
Reported:	08/28/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

Sample ID: FS 169 1' (H234572-07)

BTEX 8021B	mg/	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/24/2023	ND	416	104	400	0.00	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	118 9	49.1-14	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/22/2023	Sampling Date:	08/18/2023
Reported:	08/28/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

Sample ID: FS 170 1' (H234572-08)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/24/2023	ND	416	104	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	116 9	% 49.1-14	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/22/2023	Sampling Date:	08/18/2023
Reported:	08/28/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

Sample ID: FS 171 1' (H234572-09)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/24/2023	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	110 9	% 49.1-14	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/22/2023	Sampling Date:	08/18/2023
Reported:	08/28/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

Sample ID: FS 172 1' (H234572-10)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/24/2023	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	109	% 49.1-14	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/22/2023	Sampling Date:	08/18/2023
Reported:	08/28/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

Sample ID: FS 173 1' (H234572-11)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/24/2023	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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 9	48.2-13	4						
Surrogate: 1-Chlorooctadecane	117 9	49.1-14	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/22/2023	Sampling Date:	08/18/2023
Reported:	08/28/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

Sample ID: FS 174 1' (H234572-12)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/24/2023	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	116 9	% 49.1-14	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/22/2023	Sampling Date:	08/18/2023
Reported:	08/28/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

Sample ID: FS 175 1' (H234572-13)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/24/2023	ND	416	104	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	113 9	% 49.1-14	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/22/2023	Sampling Date:	08/18/2023
Reported:	08/28/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

Sample ID: FS 176 1' (H234572-14)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/24/2023	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	120	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/22/2023	Sampling Date:	08/18/2023
Reported:	08/28/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

Sample ID: FS 177 1' (H234572-15)

BTEX 8021B	mg/	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/24/2023	ND	416	104	400	0.00	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	111 9	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/22/2023	Sampling Date:	08/18/2023
Reported:	08/28/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

Sample ID: FS 178 1' (H234572-16)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	102	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/24/2023	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	105	% 49.1-14	8						

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

Received:	08/22/2023	Sampling Date:	08/18/2023
Reported:	08/28/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

Sample ID: FS 179 1' (H234572-17)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	08/24/2023	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	122	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/22/2023	Sampling Date:	08/18/2023
Reported:	08/28/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

Sample ID: FS 180 1' (H234572-18)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	08/24/2023	ND	432	108	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	118 9	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/22/2023	Sampling Date:	08/18/2023
Reported:	08/28/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

Sample ID: FS 181 1' (H234572-19)

BTEX 8021B	mg/	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/24/2023	ND	432	108	400	3.77	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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 9	48.2-13	4						
Surrogate: 1-Chlorooctadecane	120 9	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/22/2023	Sampling Date:	08/18/2023
Reported:	08/28/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

Sample ID: FS 182 1' (H234572-20)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/24/2023	ND	432	108	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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 9	48.2-13	4						
Surrogate: 1-Chlorooctadecane	115 9	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/22/2023	Sampling Date:	08/18/2023
Reported:	08/28/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

Sample ID: FS 183 1' (H234572-21)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/24/2023	ND	432	108	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	88.5	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/22/2023	Sampling Date:	08/18/2023
Reported:	08/28/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

Sample ID: FS 184 1' (H234572-22)

BTEX 8021B	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/24/2023	ND	432	108	400	3.77	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	93.4	% 49.1-14	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/22/2023	Sampling Date:	08/18/2023
Reported:	08/28/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

Sample ID: FS 185 1' (H234572-23)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/24/2023	ND	432	108	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	93.4	% 49.1-14	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/22/2023	Sampling Date:	08/18/2023
Reported:	08/28/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

Sample ID: FS 186 1' (H234572-24)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/24/2023	ND	432	108	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	91.5	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/22/2023	Sampling Date:	08/18/2023
Reported:	08/28/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

Sample ID: FS 187 1' (H234572-25)

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/24/2023	ND	432	108	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	86.8	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/22/2023	Sampling Date:	08/18/2023
Reported:	08/28/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

Sample ID: FS 188 1' (H234572-26)

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/24/2023	ND	432	108	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	93.6	% 49.1-14	8						

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

Received:	08/22/2023	Sampling Date:	08/18/2023
Reported:	08/28/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

Sample ID: FS 189 1' (H234572-27)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/24/2023	ND	432	108	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	86.0	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/22/2023	Sampling Date:	08/18/2023
Reported:	08/28/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

Sample ID: FS 190 1' (H234572-28)

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/24/2023	ND	432	108	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	87.5	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/22/2023	Sampling Date:	08/18/2023
Reported:	08/28/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

Sample ID: FS 191 1' (H234572-29)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/24/2023	ND	432	108	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	88.1	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/22/2023	Sampling Date:	08/18/2023
Reported:	08/28/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

Sample ID: FS 192 1' (H234572-30)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/24/2023	ND	432	108	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	88.5	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/22/2023	Sampling Date:	08/18/2023
Reported:	08/28/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

Sample ID: FS 193 1' (H234572-31)

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/24/2023	ND	432	108	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	90.4	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/22/2023	Sampling Date:	08/18/2023
Reported:	08/28/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

Sample ID: FS 194 1' (H234572-32)

BTEX 8021B	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/24/2023	ND	432	108	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	90.8	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/22/2023	Sampling Date:	08/18/2023
Reported:	08/28/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

Sample ID: FS 195 1' (H234572-33)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/24/2023	ND	432	108	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	89.7	% 49.1-14	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/22/2023	Sampling Date:	08/18/2023
Reported:	08/28/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

Sample ID: FS 196 1' (H234572-34)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/24/2023	ND	432	108	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	80.3	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/22/2023	Sampling Date:	08/18/2023
Reported:	08/28/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

Sample ID: FS 197 1' (H234572-35)

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/24/2023	ND	432	108	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	88.5	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/22/2023	Sampling Date:	08/18/2023
Reported:	08/28/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

Sample ID: FS 198 1' (H234572-36)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/24/2023	ND	432	108	400	3.77	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	91.8	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/22/2023	Sampling Date:	08/18/2023
Reported:	08/28/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

Sample ID: FS 199 1' (H234572-37)

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/24/2023	ND	432	108	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	87.5	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/22/2023	Sampling Date:	08/18/2023
Reported:	08/28/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

Sample ID: FS 200 1' (H234572-38)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/24/2023	ND	416	104	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	121	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/22/2023	Sampling Date:	08/18/2023
Reported:	08/28/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

Sample ID: FS 201 1' (H234572-39)

BTEX 8021B	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/24/2023	ND	416	104	400	3.77	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	105 9	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/22/2023	Sampling Date:	08/18/2023
Reported:	08/28/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

Sample ID: FS 202 2' (H234572-40)

BTEX 8021B	mg/	′kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/24/2023	ND	416	104	400	3.77	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	113 9	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/22/2023	Sampling Date:	08/18/2023
Reported:	08/28/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

Sample ID: FS 203 2' (H234572-41)

BTEX 8021B	mg/	′kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	110 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/24/2023	ND	416	104	400	3.77	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	97.4	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



Notes and Definitions

QR-03The 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-3Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.NDAnalyte NOT DETECTED at or above the reporting limitRPDRelative 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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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name	Company Name: Ensolum, LLC					BILL TO					ANALYSIS REQUEST
Project Manager: Hadlie Green	r: Hadlie Green				P.O. #:	A. New					
Address: 601 N	Address: 601 N Marienfeld Street, Suite 400	uite 400			Company: BTA Oil	: BTA OII					
City: Midland		State: TX	Zip: 79701	01	Attn: Kelton Beaird	on Beaird		1			
Phone #: 432-557-8895	7-8895	Fax #:			Address:	Address: 104 S Pecos St	St			_	
Project #:03C2012042	12042	Project Owner:	en		City: Midland	and					
roject Name: R	Project Name: Rojo AE 7811 JV-P Fed 001H	ed 001H			State: TX	Zip: 79701	-				
roject Location	Project Location: 32.1076101,-103.564101	64101			Phone #: 4	Phone #: 432-312-2203				4	
ampler Name:	Sampler Name: Peter Van Patten				Fax #:				ĉ	>	
FOR LAB USE ONLY				MATRIX	PRESERV.		SAMPLING		-	25	
Lab I.D.	Sample I.D.	Depth (feet)	RAB OR (C)OMP.	DUNDWATER STEWATER	DGE IER : D/BASE: / COOL	IER :		PH	3 TEX	inloride	
-	FS163	1	- 1	1		42.81×	0977	×	×	×	
N.	FS164	1	0	5	<	-		X	×	×	
w	FS165	-1	01	<	5		0922	×-	x	7	
t	FS166	1	< 1	5	<		\$ 264	X	5	X	
S	FS167	1	1 7	0	V		6932	r	X	×	
6	FS168	-	1 1	1	< ·		68933	×	X	x	
1	FS169	1	- 1	5			4260	r.	Y	×	
~	FS170	-	0	5	0		\$934	X	X	X	
9	FS171	1	- 7	9	1		6939	Y	r	X	
10	FS172	1	1011	4	2	V	Ø945	Y	×	K.	
LEASE NOTE: Labity and talyses. All claims including trylce. In no event shall Car fillates or successors areino	TEASE VOTE: Labily and Damages. Cardnah lability and clients exclusive remedy for any claim arising whether based in contract for tort, shall be limited to the amount pad by the client for the mappers. All claims including those for negligence and any other cuuse whateover shall be detended waved unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardnah be lable for incidental or consequential damages, including within utilination, business interruptions, loss of use, or loss of portion is incidented as the output the service. In no event shall Cardnah be lable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of portion business interruptions. Joss of use, or loss of portion and any other service there are a service and the service of the above stated reasons or otherwise.	client's exclusive tennedy for any claim arising whether based in contract or tort, shall be limited to the amount past by the client for the re cause whatsoever shall be deerined waived unless made in writing and received by Cerulinal within 30 days after completion of the a sequential damages, including without limitation, basiness interruptions, loss of uses of profils incurred by client, its subsidiaries to of services hereinford by Cardoval nonardizes of whether such claim is based upon any of the above stated reasons or misevalue to be services hereinford by Cardoval nonardizes of whether such claim is based upon any of the above stated reasons or misevalue to be services hereinford by Cardoval nonardizes of whether such claim is based upon any of the above stated reasons or misevalue to the services hereinford by Cardoval nonardizes of whether such claim is based upon any of the above stated reasons or misevalue to the services hereinford by Cardoval nonardizes of whether such claim is based upon any of the above stated reasons or misevalue to the services hereinford by Cardoval nonardizes of whether such claim is based upon any of the above stated reasons or misevalue to the services hereinford by Cardoval nonardizes of whether such claim is based upon any of the above stated reasons or misevalue to the services hereinford by Cardoval nonardizes of the services of the services the services above stated reasons or the services to the services hereinford by Cardoval nonardizes of the services of the services of the services above stated reasons or miseval to the services hereinford by Cardoval nonardizes of the services of the servi	any claim arising v e deemed waived i ng without limitation Cardinal recardie	arising whether based in con waived unless made in writin limitation, business interruptic recorders of whether such o	sdy for any claim arking whether based or contract or tort, shall be limited to the an ball be deemed waived unless made in witing and roccived by Cardina within 30 including without limitation, business interruptions, loss of use, or loss of profils inco- dor by Cardinal rocentatives of whether such claim is based upon any of the above dor by Cardinal rocentatives.	ted to the amount pair nal within 30 days after of profits incurred by c of the above stated m	int paid by the client for the is after completion of the a d by client, its subsidiaries, and macons or otherwise	e applicable			
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6	her	Observed Temp. "C	1.22	Sample Condition Cool Intact	~	Unitials)	Turnaround Time: Thermometer ID #1	Time:	e:	Standard Rush	Bacteria (only) Sample Condition
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Page 44 of 48

101 East Marland, Hobbs, NM 88240 AL oratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

	(575) 393-2326 FAX (575) 393-2476	AX (575) 393-2	476						
Company Name: Ensolum, LLC	: Ensolum, LLC			BILL 1	70				ANALYSIS REQUEST
Project Manager: Hadlie Green	r: Hadlie Green			P.O. #:					
Address: 601 N	Address: 601 N Marienfeld Street, Suite 400	lite 400		Company: BTA Oil	-				
City: Midland		State: TX	Zip: 79701	Attn: Kelton Beaird	đ				
Phone #: 432-557-8895	7-8895	Fax #:		Address: 104 S Pecos St	cos St				
Project #:03C2012042	12042	Project Owner:	a	City: Midland			1		
Project Name: R	Project Name: Rojo AE 7811 JV-P Fed 001H	d 001H		State: TX Zip: 79701	9701	1			
Project Location	Project Location: 32.1076101,-103.564101	4101	Ser New Ser	Phone #: 432-312-2203	2203				
Sampler Name:	Sampler Name: Peter Van Patten			Fax #:				5	
FOR LAB USE ONLY			MATRIX	ESERV.	SAMPLING			2 4	
Lab I.D.	Sample I.D.	Depth (feet)	RAB OR (C)OMP. ONTAINERS OUNDWATER STEWATER IL JDGE	HER : ID/BASE: I/COOL HER :		TPH.	3TEX	chloride	
11	FS173	-	X	X X	18-23 OG445	\times	×	X	
21	FS174	4		×		x	7	×	
13	FS175	1	N N	×	1624	×	x	×	
14	FS176	1	C I ×	×	2623	×	+	×	
15	FS177	1	X I I	X		×	X	×	
16	FS178	-	CI X	×	2425	x	X	×	
17	FS179	1	× 1 2	1	2033	X	×	×	
81	FS180		C 1 X	Χ,	200 33	×	X	×	
61	FS181	1	(×	~	204	r	r	×	
20	FS182	1	× 1)	*	2044	K	×	×	
PLEASE NOTE: Liability and analyses. All claims including service. In no event shall Ca affiliates or successors arising	ability and Damages. Cardinal's liability and cl including those for negligence and any other shall Cardinal be liable for incidental or cons ors arising out of or related to the performance	ent's exclusive remedy for a cause whatsoever shall be equental damages, including of services hereunder by C	PLEASE NOTE: Liability and Damages. Cardinat's inability and client's encluaive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the numbres. All claims including those for negligence and any other cause whatioever insite the determed whether writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidential or consequential demages, including whether whorter such class interruptions, loss of use, or loss of profile incurred by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidential or consequential demages, including without limitation, business interruptions, loss of use, or loss of profile incurred by classifications.	od in contract or fort, shall be limited to the amount pay in writing and received by Cavrinal within 30 days afte interruptions, loss of use, or loss of profits incurred by or resuch claim is based upon any of the above statled re	int paid by the client for the ys after completion of the a dby client, its subsidiaries ted reasons or otherwise.	splicable			
Relinquished By	in Par	Thhat we have		kionus		are emaile hgreen	ailed.	Please	Verbal Result: Yes Yes All Results are emailed. Please provide Email address: hgreen@ensolum.com
Relinquished By:		Date: Time:	Received By:	0	REMARKS:				

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

> Observed ç

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Sample Condition Cool Intact Yes Yes No No No

CHECKED BY: (Initials)

Turnaround Time:

Standard Rush

Bacteria (only) Sample Condition Cool Intact Observed Temp. °C Vet Yes No Corrected Temp. °C

Correction Factor mometer ID-

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

FOR LAB USE OW.Y Sample I.D. Depth (feet) Lab I.D. Sample I.D. (feet) HZ34572 FS183 1 21 FS183 1 23 FS184 1 23 FS185 1 24 FS186 1 25 FS187 1 26 FS188 1 27 FS188 1 28 FS191 1 29 FS192 1 20 FS192 1 21 FS192 1 28 FS192 1 29 FS192 1 20 FS192 1 21 FS192 1 22 FS192 1 23 FS192 1 24 FS192 1 25 FS192 1 26 FS192 1 27 FS192 1 28 FS192 1 29 FS192 1 20 FS192 1 21 The performance of services hereunder the performance of services hereunder thereunder the service mark with the analysis of or related to the performance of services hereunder thereunder thereunder thereu	Date:		Relinquished By:
MLY Sample I.D. D. Sample I.D. 72 FS183 21 FS183 23 FS184 23 FS185 24 FS186 25 FS186 26 FS186 27 FS186 28 FS187 29 FS189 20 FS191 20 FS192 20 FS192 20 FS192 20 FS192	Data:-	1 Patter	Relinquished By
Sample I.D. FS183 FS184 FS185 FS186 FS187 FS188 FS188 FS188 FS188 FS188 FS189 FS190 FS191 FS192	en le v	Damages. Cardinal's liability and c a those for negligence and any other dinal be liable for incidental or cons a out of or related to the performant	
Sample I.D. Sample I.D. FS183 FS184 FS185 FS186 FS187 FS188 FS188 FS188 FS188 FS188 FS188 FS189 FS190	- 1	FS192	80
Sample I.D. FS183 FS184 FS185 FS186 FS187 FS188 FS188 FS188 FS188 FS188 FS188 FS188 FS189 FS190	-	FS191	98
Sample I.D. FS183 FS184 FS185 FS186 FS187 FS188 FS188 FS188 FS188	-	FS190	36
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Sample I.D. FS183 FS184 FS185 FS186 FS186 FS187	-	FS188	ac
Sample I.D. FS183 FS184 FS185 FS186	-	FS187	as
Sample I.D. FS183 FS184 FS185	-	FS186	48
Sample I.D. FS183 FS184	-	FS185	ee
Sample I.D. FS183	1	FS184	ee
Sample I.D.	-	FS183	2
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ACID/BASE

ICE / COOL

OTHER

DATE

TIME

ТРН 13TEX Chloride

CONTAINERS

GROUNDWATER WASTEWATER

MATRIX

PRESERV

SAMPLING

Fax #:

Phone #: 432-312-2203

nguished By:	Election	Lide and a Received By: Ide and a Received By: All Results are e		Verbal Result:	1 Phone #: nail address:
to var tate	Timelyy	240xpron	2027	hgreen@ensolum.cor	m
nquished By:	Date:	Received By: 0	0	REMARKS:	
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ivered By: (Circle One)	Observed Temp. °C	Observed Temp.*C / 2 Sample Condition CHECKED BY: Turnaround Time: Cool Intact (Initials)	CHECKED BY: (Initials)	Turnaround Time: Standard M	Bacteria (only) Sample Condition Cool Intact Observed Temp. °C
pler - UPS - Bus - Other:	Corrected Tamp. "C	Pres Pres	8P	BJ	es
		ON I ON	DI	Correction Factor -0.0 C -1 1	LINCLING Corrected Lemp. "C

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Company Name: Ensolum, LLC

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

Project Manager: Hadlie Green

Address: 601 N Marienfeld Street, Suite 400

Project #:03C2012042 Phone #: 432-557-8895

Fax #:

State:

XL

Zip: 79701

Attn: Kelton Beaird Address: 104 S Pecos St

Company: BTA Oil

P.O. #:

BILL TO

ANALYSIS

REQUEST

Project Owner:

City: Midland

State: TX

Zip: 79701

City: Midland

Project Location: 32.1076101,-103.564101 Project Name: Rojo AE 7811 JV-P Fed 001H

Company Name: Ensolum, LLC	Insolum, LLC	ALL DOLLARS											00	BILL TO					A	A	S	ANALYSIS REQUEST	2	IEST
Project Manager: Hadlie Green	Hadlie Green									P	P.O. #:	17						-	-					
Address: 601 N Marienfeld Street,	et,	Suite 400								0	mp	an	Y: m	Company: BTA Oil										
City: Midland		State: TX	N	Zip: 79701	970	-				At	tn:	Kel	ton	Attn: Kelton Beaird				-						
Phone #: 432-557-8895	8895	Fax #:								Ad	dre	SS	10	Address: 104 S Pecos	St			-	_					
Project #:03C2012042	042	Project Owner:	a							Cit	Y: I	Mid	City: Midland	đ			e la							
Project Name: Rojo AE 7811 JV-P Fed 001H	O AE 7811 JV-P	Fed 001H								Sta	State: TX	XT		Zip: 79701	H				-					
Project Location: 32.1076101,-103.564101	32.1076101,-103.	564101					2			Ph	one	*	43	Phone #: 432-312-2203	3			-	1					
Sampler Name: Peter Van Patten	ter Van Patten									Fa	Fax #:							-				-		
FOR LAB USE ONLY				-			MAT	MATRIX		1	PR	ESE	PRESERV.		SAMPLING			2	-					
Lab I.D.	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME	TPH	BTEX	Chlorides	N. K. D. C.	Section and a		- All and A		
12	FS193	1	0	-	0	N	1	(-	(/	1	-	8 18.03		×	×	×	-					
-	FS194	1	0	4			1					1			2	×	×	×						
U U	FS195	1	0	14			-					1			122 7	x	×	*						
	FS196	1	0	14			-					1			1234	×	*	×						
-	FS197	1	2	14			1					1			2236	X	×	×						
0-	FS198	1	r	12			1				11	1		_	2238	×	×	×	-					
48	FS199	1	0	1			1					1			2243	×	×	×						
35	FS200	1	9	_			1					1			1247	×	2	×						
25	FS201	1	2				1					1			1248	5	×	×						
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lyses. All claims including th ice. In no event shall Cardin lates or successors arising ou	malyses, All claims including those for negligence and any other envice. In no event shall Cardinal be liable for incidental or cons iffiliates or successors arising out of or related to the performano	e of set	deeme g witho	ut limits	ed uni ation, i	less m busine	ade in ss inte	writin muptic	g and ons, lo	recei Iss of	d received by loss of use, or is based upor	y Carr or loss	sof pr	ardinal within 30 days afte oss of profits incurred by o any of the above stated re	vehationeer shull be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable al damages, including without limitation, business interruptions, loss of use, or loss of profits insurred by dem, it subpidiaries, vices hereunder by Cardinal, regardless of whether such claim is absodution any of the above stated reasons or cohervise.	pplicat	ł							
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Relinquished By:		Date:	R	Received By:	ved	By	(1	-		1	0	<	- Contraction	REMARKS:									
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Delivered By: (Circle One) Sampler - UPS - Bus - Ot	le One) s - Other:	Observed Temp. "C Corrected Temp. "C	56-1	R		Coo	Sample Condition Cool Intact	Inta Con	Yes	N ON	1)/ £		CHECKED BY: (Initials)	Turnaround Time: Thermometer ID #1	Time	3	Standard Rush		-0-	Bact Ye	Bacteria (only) Cool Intact	C) S	Bacteria (only) Sample Condition Cool Intact Observed Temp. °C

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Page 47 of 48

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 323 of 369

CARDINAL Laboratories

Project manager: nature creen Address: 601 N Marienfeld Street, Suite 400 City: Midland Stat Phone #: 432-557-8895 Fax Project #:03C2012042 Proj Project Name: Rojo AE 7811 JV-P Fed 001H Project Location: 32.1076101,-103.564101 Sampler Name: Peter Van Patten	e 400 State: TX Zip: 79701 Fax #: Project Owner: 001H	P.O. #: Company: BTA Oil Attn: Kelton Beaird Address: 104 S Pecos St City: Midland State: TX Zip: 79701 Phone #: 432-312-2203 Fax #:
9.	(feet) B OR (C)OMP. MATRIX MATRIX MATRIX MATRIX GE	
41 FS203 2		
PLEASE NOTE: Liabily and Damages. Cardinal's liability and client's exclusive remedy for any claim ansing whether based in contract or fort, shall be limited to the amount part by the client for the analyses. All claims including thesis for negligence and any other cause whatsoever shall be demend waiked unless made is writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable to inclend to romany under use whatsoever shall be demend waiked unless made is writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable to inclend to romany under the value damages, including without firmitation, business interruptions, loss of profits houring by the subsidiaries, artillates 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. Received By: Verbal Result: [Isable remety for any claim arising whether based in contra halabover shall be deemed waiked unless made in writing a damages, including without limitation business interruptions can bereunder by Cardinal, regardless of whether such claim test hereunder by Cardinal (the second second second second test hereunder by Cardinal (the second second second second second test hereunder by Cardinal (the second seco	ed in contract or tort, shall be limited to the amount paid by the client is h writing and received by Cardinal within 30 days after completion interruptions, loss of use, or loss of profile incurred by client its sub- interruption, loss of use, or loss of profile incurred interruptions, loss of use of the above statute reasons or other ar such daim is based upon any of the above statute reasons or other Verball is
Relinquished By: Time Time Time Time	HUT SYNCLOU Received By:	MULUA REMARKS:



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

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

Accreditation applies to public drinking water matrices.

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. Keine

Celey D. Keene Lab Director/Quality Manager



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

Received:	08/22/2023	Sampling Date:	08/21/2023
Reported:	08/28/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

Sample ID: FS 204 2' (H234573-01)

BTEX 8021B	mg,	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/24/2023	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	111 9	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/22/2023	Sampling Date:	08/21/2023
Reported:	08/28/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

Sample ID: FS 205 2' (H234573-02)

BTEX 8021B	mg/	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/24/2023	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	113 9	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/22/2023	Sampling Date:	08/21/2023
Reported:	08/28/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

Sample ID: FS 206 2' (H234573-03)

BTEX 8021B	mg/	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/24/2023	ND	416	104	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	114 9	% 49.1-14	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/22/2023	Sampling Date:	08/21/2023
Reported:	08/28/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

Sample ID: FS 207 2' (H234573-04)

BTEX 8021B	mg/	′kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	116 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/24/2023	ND	416	104	400	3.77	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	114 9	% 49.1-14	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/22/2023	Sampling Date:	08/21/2023
Reported:	08/28/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

Sample ID: FS 208 2' (H234573-05)

BTEX 8021B	mg/	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/24/2023	ND	416	104	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	112 9	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/22/2023	Sampling Date:	08/21/2023
Reported:	08/28/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

Sample ID: FS 209 2' (H234573-06)

BTEX 8021B	mg/	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/24/2023	ND	416	104	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	102	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/22/2023	Sampling Date:	08/21/2023
Reported:	08/28/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

Sample ID: FS 210 2' (H234573-07)

BTEX 8021B	mg/	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/24/2023	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	105	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/22/2023	Sampling Date:	08/21/2023
Reported:	08/28/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

Sample ID: FS 211 2' (H234573-08)

BTEX 8021B	mg/	′kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/24/2023	ND	416	104	400	3.77	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	106 9	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/22/2023	Sampling Date:	08/21/2023
Reported:	08/28/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

Sample ID: FS 212 2' (H234573-09)

BTEX 8021B	mg/	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/24/2023	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	114 9	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/22/2023	Sampling Date:	08/21/2023
Reported:	08/28/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

Sample ID: FS 213 2' (H234573-10)

BTEX 8021B	mg/	′kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/24/2023	ND	416	104	400	3.77	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	130 9	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/22/2023	Sampling Date:	08/21/2023
Reported:	08/28/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

Sample ID: FS 214 2' (H234573-11)

BTEX 8021B	mg/	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/24/2023	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	111 9	% 49.1-14	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/22/2023	Sampling Date:	08/21/2023
Reported:	08/28/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

Sample ID: FS 215 2' (H234573-12)

BTEX 8021B	mg,	′kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/24/2023	ND	416	104	400	3.77	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	110 9	% 49.1-14	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/22/2023	Sampling Date:	08/21/2023
Reported:	08/28/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

Sample ID: FS 216 2' (H234573-13)

BTEX 8021B	mg/	′kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/24/2023	ND	416	104	400	3.77	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	112 9	% 49.1-14	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/22/2023	Sampling Date:	08/21/2023
Reported:	08/28/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

Sample ID: FS 217 2' (H234573-14)

BTEX 8021B	mg,	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/24/2023	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	112 9	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/22/2023	Sampling Date:	08/21/2023
Reported:	08/28/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

Sample ID: FS 218 2' (H234573-15)

BTEX 8021B	mg/	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/24/2023	ND	416	104	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	125	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/22/2023	Sampling Date:	08/21/2023
Reported:	08/28/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

Sample ID: FS 219 2' (H234573-16)

BTEX 8021B	mg/	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/24/2023	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	103	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/22/2023	Sampling Date:	08/21/2023
Reported:	08/28/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

Sample ID: FS 220 2' (H234573-17)

BTEX 8021B	mg/	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/25/2023	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	89.9	% 49.1-14	8						

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

Received:	08/22/2023	Sampling Date:	08/21/2023
Reported:	08/28/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

Sample ID: FS 221 2' (H234573-18)

BTEX 8021B	mg/	kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/25/2023	ND	416	104	400	3.77	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	90.9	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/22/2023	Sampling Date:	08/21/2023
Reported:	08/28/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

Sample ID: FS 222 2' (H234573-19)

BTEX 8021B	mg/	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/25/2023	ND	416	104	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	87.4	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/22/2023	Sampling Date:	08/21/2023
Reported:	08/28/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

Sample ID: FS 223 2' (H234573-20)

BTEX 8021B	mg,	′kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/25/2023	ND	416	104	400	3.77	
TPH 8015M	mg,	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	87.5	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/22/2023	Sampling Date:	08/21/2023
Reported:	08/28/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

Sample ID: FS 224 2' (H234573-21)

BTEX 8021B	mg/	′kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/25/2023	ND	416	104	400	3.77	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	94.6	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/22/2023	Sampling Date:	08/21/2023
Reported:	08/28/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

Sample ID: FS 225 2' (H234573-22)

BTEX 8021B	mg/	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/25/2023	ND	416	104	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	82.8	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/22/2023	Sampling Date:	08/21/2023
Reported:	08/28/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

Sample ID: FS 226 2' (H234573-23)

BTEX 8021B	mg,	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/25/2023	ND	416	104	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	113 9	% 49.1-14	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/22/2023	Sampling Date:	08/21/2023
Reported:	08/28/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

Sample ID: SW 01 0-2' (H234573-24)

BTEX 8021B	mg/	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/25/2023	ND	416	104	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	gate: 1-Chlorooctane 99.2 % 48.2-1.								
Surrogate: 1-Chlorooctadecane	114 9	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/22/2023	Sampling Date:	08/21/2023
Reported:	08/28/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

Sample ID: SW 02 0-2' (H234573-25)

BTEX 8021B	mg/	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050 0.050				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 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/25/2023	ND	416	104	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	ogate: 1-Chlorooctane 99.2 % 48.2-1.								
Surrogate: 1-Chlorooctadecane	115 9	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/22/2023	Sampling Date:	08/21/2023
Reported:	08/28/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

Sample ID: SW 03 0-2' (H234573-26)

BTEX 8021B	mg,	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/25/2023	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	107	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/22/2023	Sampling Date:	08/21/2023
Reported:	08/28/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

Sample ID: SW 04 0-2' (H234573-27)

BTEX 8021B	mg,	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/25/2023	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	rrogate: 1-Chlorooctane 95.1 % 48.2-1								
Surrogate: 1-Chlorooctadecane	109	% 49.1-14	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/22/2023	Sampling Date:	08/21/2023
Reported:	08/28/2023	Sampling Type:	Soil
Project Name:	ROJO AE 7811 JV-P FED 001H	Sampling Condition:	Cool & Intact
Project Number:	03C2012042	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA 32.1076101,-103.564101		

Sample ID: SW 05 0-2' (H234573-28)

BTEX 8021B	mg,	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/25/2023	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	rate: 1-Chlorooctane 94.4 % 48.2-1.								
Surrogate: 1-Chlorooctadecane	109	% 49.1-14	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

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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 whatscever 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 whose 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 whose share there applied by the services arise 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.

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

Delivered By: (Circle One) Sampler - UPS - Bus - Ott	in the second se	Ep Mr.	Relinquished By:	alyses, Al claims include rvice. In no event shall Cr Bates or successors arisin	PLEASE NOTE: Liability an	2	200	2	6	5	4	u	e	1	Lab I.D. H234573	FOR LAB USE ONLY	Sampler Name	Project Locatic	Project Name:	Project #:03C2012042	Phone #: 432-557-8895	City: Midland	Address: 601	Project Manag	Company Nan	
her:		、「「「「		analyses, A4 claims including those for negligence and any other service. In no event shall Cardinal be liable for incidental or conse inflates or successors arising out of or related to the performance	d Damages. Cardinal's liability and c	FS212	FS211	FS210	FS209	FS208	FS207	FS206	FS205	FS204	Sample I.D.	A CANANA CANA	Sampler Name: Peter Van Patten	Project Location: 32.1076101,-103.564101	Project Name: Rojo AE 7811 JV-P Fed 001H	012042	57-8895		Address: 601 N Marienfeld Street, Suite 400	Project Manager: Hadlie Green	Company Name: Ensolum, LLC	101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476
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e: Standard D		All Results are emailed. Pléase provide Email address: hgreen@ensolum.com	Ves No A	ble	- / -	1	1	1	1			1	1	1	TPH Chloride									-		
Bacteria (only) Sample Condition		e Email address: COM	dd'l Phone #:																						ANALYSIS REO	
ample Condition Observed Temp. °C																	1								REDIEST	

Received by OCD: 10/13/2023 3:55:22 PM

Page 31 of 33

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Relinguished By Project Location: 32.1076101,-103.564101 Project Name: Rojo AE 7811 JV-P Fed 001H **H2342** Project #:03C2012042 Phone #: 432-557-8895 Project Manager: Hadlie Green Company Name: Ensolum, LLC tice, in no event Lab I.D. City: Midland Address: 601 N Marienfeld Street, Suite 400 FOR LAB USE ONLY ampler Name: Peter Van Patten 8 shall Ca 9 N 8 6 S 7 5 FS222 FS219 FS221 FS220 FS223 FS218 FS217 FS215 FS214 FS216 Sample I.D. N NN NN N N N NN Project Owner: Fax #: State: Depth (feet) X Received By: (G)RAB OR (C)OMP Zip: 79701 Ü 42 # CONTAINERS GROUNDWATER WASTEWATER SOIL MATRIX OIL SLUDGE loss of use OTHER Fax #: P.O. #: Phone #: 432-312-2203 State: TX City: Midland Address: 104 S Pecos St Attn: Kelton Beaird Company: BTA Oil ACID/BASE PRESERV Caronal ICE / COOL OTHER BILL TO Zip: 79701 DATE SAMPLING 2243 Verbal Result: 2250 1247 7234 2229 2025 1920 2222 2202 1053 TIME of the ap hloride capie PH F JI ANALYSIS REQUEST

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

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

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Sample Condition

CHECKED BY:

Turnaround Time:

Rush Standard

Bacteria (only)

Sample Condition

Corrected Temp. °C Observed Temp. °C REMARKS:

Verbal Result: Vers Vers Verset Add'I Phone #: All Results are emailed. Please provide Email address: hgreen@ensolum.com

Relinquished By

all a

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Date: Time:

Received By

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Time:

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Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Noninquistied by.	1 repr la	service. In no event shall Cardinal be liable for incidential affliates or successors arising out of or related to the perf Relinquished By; /	analyses. All claims including thos	PLEASE NOTE: Lishilly and Date		20 25	100	-						FOR LAB USE ONLY	Sampler Name: Peter Van Patten	Project Location: 32.1076101,-103.564101	Project Name: Rojo AE 7811 JV-P Fed 001H	Project #:03C2012042	Phone #: 432-557-8895	City: Midland	Address: 601 N Marienfeld Street,	Project Manager: Hadlie Green	Company Name: Ensolum, LLC	1
		n'affer	Inal be liable for incidental or co out of or related to the performa	0 6		COAAC	SW04	SW03	SW02	SW01	FS226	FS225	FS224	Sample I.D.		eter Van Patten	32.1076101,-103.	jo AE 7811 JV-P	2042	-8895		larienfeld Street,	Hadlie Green	Ensolum, LLC	01 East Marland (575) 393-2326
Observed Temp. *C Corrected Temp. *C	Date: Time:	- Timeryu7	nsequental damages, including nce of services hereunder by Ca	gres. Cardina's sublity and client's exclusive remedy for any claim arising whether based in contract or fort, shall be limited to the amount paid by the client for the for negligence and any other cause whatboever shall be deemed waived unless made is writing and resolved to Crucical units to choose and the client for the		7-0	0-2	0-2	0-2	0-2	2	2	2	Depth (feet)			564101	Fed 001H	Project Owner:	Fax #:	State: TX	Suite 400			101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476
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Sample Condition Cool Intact Yes Tres		alla	erruptions, loss such claim is ba	I in contract or to	HOR.										MATRIX						1	1			
S	1	ann	loss of use, or loss of profits is based upon any of the ab	ort, shall be limite	2	/	>	1	/	1	1	-	/	OTHER : ACID/BASE: ICE / COOL	PRESERV.	Fax #:	Phone #: 432-312-2203	State: TX	City: Midland	Address: 104 S Pecos St	Attn: Kelton Beaird	Company: BTA Oil	P.O. #:		
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Bacteria (only) Sample Condition Cool Infact Observed Temp. ℃							-																-	T	

- Released to Imaging: 10/24/2023 10:13:28 AM

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APPENDIX D

NMOCD Notifications

Hadlie Green

From:	Wells, Shelly, EMNRD <shelly.wells@emnrd.nm.gov></shelly.wells@emnrd.nm.gov>
Sent:	Thursday, August 10, 2023 3:58 PM
То:	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<u>|Shelly.Wells@emnrd.nm.gov</u> 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

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Released to Imaging: 10/24/2023 10:13:28 AM

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

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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 add	dress 104 S. Pecos St., Midland, T	X 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

Crude Oil	Volume Released (bbls) 350 BBL	Volume Recovered (bbls) 200 BBL
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?	Yes No
Condensate	Volume Released (bbls)	Volume Recovered (bbls)
Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release

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.

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ge 2	Oil Conservation Division	District RP		
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		Application ID		
Was this a major release as defined by 19.15.29.7(A) NMAC?	If YES, for what reason(s) does the responsible pa	party consider this a major release?		
Yes 🗌 No	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

The source of the release has been stopped.

I The impacted area has been secured to protect human health and the environment.

Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.

All free liquids and recoverable materials have been removed and managed appropriately.

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

Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.

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

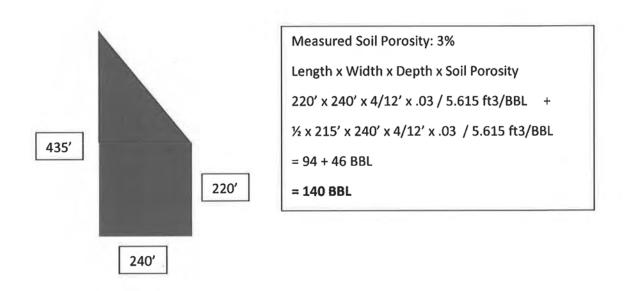
A A

Title: Production Manager
Date: 12/4/ 18
Telephone:(432) 682-3753
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

Oil Conservation Division

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pCH1836251636

Application ID

Site Assessment/Characterization

This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

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

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

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.
- Tield data
- \mathbf{X} Data table of soil contaminant concentration data
- $\overline{\mathbf{X}}$ Depth to water determination
- X Determination of water sources and significant watercourses within $\frac{1}{2}$ -mile of the lateral extents of the release
- \underline{X} Boring or excavation logs
- Photographs including date and GIS information
- X Topographic/Aerial maps
- X 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.

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Form C-141	State of New Mexico		ĵ	Incident ID	NCH1836251271
Page 4	Oil Conservation Division			District RP	1RP-5295
			1	Facility ID	11(1-52)5
				Application ID	pCH1836251636
regulations all operators as public health or the enviro failed to adequately invest addition, OCD acceptance and/or regulations. Printed Name: Kelton Signature:	lk D	tifications OCD doe: reat to gro f responsi 	and perform constructions not relieve the undwater, surface	rrective actions for relea operator of liability sho se water, human health iance with any other fed al Manater	ases which may endanger ould their operations have or the environment. In
OCD Only Received by:JC	ocelyn Harimon		Date:06	/08/2023	

Received by OCD: 10/13/2023 3:55:22 PM

Form C-141 Page 5	State of New Mexico Oil Conservation Division	Incident ID District RP Facility ID Application ID	NCH1836251271 1RP-5295 pCH1836251636
	Remediation Plan		

Detailed description of proposed remediation technique
 Scaled sitemap with GPS coordinates showing delineation points

Estimated volume of material to be remediated

X Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC

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

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: 6-6-73
email: kbeaird@btaoil.com	Telephone: 432-312-2203
OCD Only	
Received by: Jocelyn Harimon	Date: 06/8/2023
Approved Approved with Attached Conditions of A	Approval Denied Deferral Approved
Signature: Ashley Maxwell	Date: 06/22/2023

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

Oil Conservation Division

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Facility ID	
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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. **Environmental Manager** Printed Name: Kelton Beaird_____ Title: 10-12-23 Date: Signature: 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 Maywell
 Date:
 10/24/2023

 Printed Name:
 Ashley Maxwell
 Title:
 Environme

 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

Operator:	OGRID:
BTA OIL PRODUCERS, LLC	260297
104 S Pecos	Action Number:
Midland, TX 79701	275567
	Action Type:
	[C-141] Release Corrective Action (C-141)
CONDITIONS	

Created By	Condition	Condition Date
amaxwell	None	10/24/2023

CONDITIONS

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Action 275567

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