

October 21, 2024

**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 38 41 Tank Battery & Rojo 38-41 Well Pad Incident Numbers nAPP2123555001 & nAPP2400854443 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 assessment, delineation, excavation, and soil sampling activities performed at the Rojo 38 41 Tank Battery and Rojo 38-41 Well Pad (collectively referred to as the Site). The purpose of the Site activities was to assess the presence or absence of impacts to soil resulting from two releases of crude oil and produced water at the Site. Based on field observations, field screening activities, and soil sample laboratory analytical results, BTA is submitting this *Closure Report*, describing Site assessment, delineation, and excavation activities that have occurred and requesting closure for Incident Numbers nAPP2123555001 and nAPP2400854443.

#### SITE DESCRIPTION AND RELEASE SUMMARY

The Site is located in Unit E, Section 34, Township 25 South, Range 33 East, in Lea County, New Mexico (32.08719°, -103.56502°) and is associated with oil and gas exploration and production operations on Federal Land managed by the Bureau of Land Management (BLM).

#### Incident Number nAPP2123555001

On August 23, 2021, failure of a dump valve on a separator vessel caused the release of approximately 51 barrels (bbls) of produced water and 36 bbls of crude oil into the earthen containment surrounding the liquids tank and onto the surface of the pad. A vacuum truck was dispatched to the Site to recover free-standing fluids; approximately 35 bbls of released produced water and 25 bbls of crude oil were recovered. BTA reported the release to the New Mexico Oil Conservation Division (NMOCD) via Notification of Release on August 23, 2021, but stated the release was 70 bbls of crude oil with no fluids recovered. The volumes were later corrected on a Release Notification Form C-141 (Form C-141) on September 14, 2021. The release was assigned Incident Number nAPP2123555001.

#### Incident Number nAPP2400854443

On January 7, 2024, regulators to the supply gas for the separators froze, sending fluid to the compressor tank and causing it to overflow, resulting in the release of approximately 87.801 bbls of produced water into the earthen containment surrounding the liquids tank and onto the surface of the pad. A vacuum truck was dispatched to the Site to recover free-standing fluids; approximately 80 bbls

of produced water were recovered. BTA reported the release to the NMOCD on a Form C-141 on January 19, 2024. The release was assigned Incident Number nAPP2400854443.

### 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 Title 19, Chapter 15, Part 29 (19.15.29) of the New Mexico Administrative Code (NMAC). Results from the characterization are summarized below and detailed in the NMOCD permitting portal Form C-141 Site Characterization section. Potential Site receptors are identified on Figure 1.

Depth to groundwater at the Site is greater than 100 feet below ground surface (bgs) based on the nearest groundwater well data. The closest permitted groundwater well with depth to groundwater data is New Mexico Office of the State Engineer (NMOSE) well C-04732, located approximately 0.1 miles northwest of the Site. The groundwater well was drilled during April 2023 to a total depth of 106 feet bgs to assess depth to water beneath the Site, which determined groundwater was greater than 100 feet bgs. All wells used for depth to groundwater determination are presented on Figure 1. The associated well records are included in Appendix A.

The closest continuously flowing or significant watercourse to the Site is an emergent wetland, located approximately 2,141 feet southwest 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 (low 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:

- 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: 20,000 mg/kg

#### INCIDENT NUMBER nAPP2400854443 SITE ASSESSMENT ACTIVITIES

On May 11, 2023, Ensolum personnel visited the Site to evaluate the release extent of Incident Number nAPP2123555001 based on information provided on the Form C-141 and visual observations. Ten assessment soil samples (SS01 through SS10) were collected within and around the release area, at a depth of approximately 0.5 feet bgs. The soil samples were field screened for volatile organic compounds (VOCs) utilizing a calibrated photoionization detector (PID) and chloride using Hach<sup>®</sup> chloride QuanTab<sup>®</sup> test strips. The soil sample locations were mapped utilizing a handheld Global Positioning System (GPS) unit and are depicted on Figure 2. 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 chemicals 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.

Laboratory analytical results for assessment soil sample SS01 through SS10 indicated all COC concentrations were compliant with the Site Closure Criteria.

On May 31, 2023, Ensolum personnel returned to the Site to complete vertical delineation of the assessment soil samples to confirm the absence of impacted soil. Six boreholes were advanced via hand auger to depths of 4 feet bgs within the release at assessment soil samples SS05 through SS10. The delineation soil samples were field screened for VOCs and chloride. Field screening results and observations were logged on lithologic/soil sampling logs, which are included in Appendix C. The assessment soil samples were collected, handled, and analyzed following the same procedures previously described. The assessment soil sample locations were mapped utilizing a handheld GPS unit and are depicted on Figure 2. Photographic documentation was completed during the Site visit and a photographic log is included in Appendix B.

Laboratory analytical results for assessment soil samples SS05 through SS10 at 4 feet bgs indicated all COC concentrations were compliant with the Site Closure Criteria.

#### INCIDENT NUMBER nAPP2123555001 SITE ASSESSMENT ACTIVITIES

On January 11, 2024, and January 29, 2024, Ensolum personnel visited the Site to evaluate the release extent of Incident Number nAPP2400854443 based on information provided on the Form C-141 and visual observations. Twenty-nine assessment soil samples (SS11 through SS39) were collected within and around the release area at a depth of approximately 0.5 feet bgs. The soil samples were collected, handled, and analyzed following the same procedures previously described. The assessment soil sample locations were mapped utilizing a handheld GPS unit and are depicted on Figure 2. Photographic documentation was completed during the Site visit and a photographic log is included as Appendix B.

Laboratory analytical results for assessment soil samples SS11 through SS32 and SS34 through SS36 indicated all COCs were in compliance with Closure Criteria. Assessment soil sample SS34 indicated chloride exceeded the strictest Table I Closure Criteria. Assessment soil samples SS33 and SS37 through SS39 indicated Benzene, BTEX, TPH-GRO/TPH-DRO and TPH exceeded Closure Criteria. Additional delineation and excavation were deemed necessary based on analytical laboratory results.

### DELINEATION ACTIVITIES AND LABORATORY ANALYTICAL RESULTS

On February 20, 2024, through February 22, 2024, Ensolum personnel returned to the Site to complete vertical delineation activities. Seventeen potholes were advanced via backhoe to terminal depths ranging from 3 feet to 4 feet bgs. The delineation soil samples were field screened for VOCs and chloride. Field screening results and observations were logged on lithologic/soil sampling logs, which are included in Appendix C. The delineation soil samples were collected, handled, and analyzed following the same procedures previously described. The delineation soil sample locations were mapped utilizing a handheld GPS unit and are depicted on Figure 2. Photographic documentation was completed during the Site visit and a photographic log is included in Appendix B.

Laboratory analytical results for potholes PH01 through PH06, PH08 through PH11, and PH13 indicated all COC concentrations were compliant with Site Closure Criteria. Laboratory analytical results for potholes PH07, PH12, and PH14 through PH17, collected at depths ranging from 0.5 feet to 4 feet bgs, indicated TPH concentrations exceeded the Site Closure Criteria. Based on laboratory analytical results, excavation activities were warranted.



### **EXCAVATION ACTIVITIES AND LABORATORY ANALYTICAL RESULTS**

Between April 26, 2024, and August 27, 2024, Ensolum personnel were at the Site to oversee excavation activities based on laboratory analytical results for assessment and delineation activities. Excavation activities were performed utilizing a hydrovac and back-hoe. To direct excavation activities, soil was screened for VOCs and chloride. The excavation was completed to depths ranging from 3 feet to 6.5 feet bgs. Photographic documentation of the excavation activities is included in Appendix B.

Following removal of impacted soil, 5-point composite soil samples were collected every 200 square feet from the floor and sidewall of the excavation extents. The 5-point composite samples were collected by placing five equivalent aliquots of soil into a 1-gallon, resealable plastic bag and homogenizing the samples by thoroughly mixing. Confirmation soil samples FS01 through FS18 were collected from the floor of the excavation at depths ranging from 3 feet to 6.5 feet bgs. Confirmation soil samples SW01 through SW04 were collected from the sidewalls of the excavation at depths ranging from the ground surface to 6.5 feet bgs. The excavation soil samples were collected, handled, and analyzed following the same procedures as described above.

Laboratory analytical results for the excavation soil samples FS06, FS07, and FS10 through FS18 indicated all COC concentrations were compliant with the Closure Criteria. Laboratory analytical results for excavation soil samples FS01 through FS05, FS08, FS09, and SW01 through SW04 indicated TPH concentrations exceeded the Closure Criteria. Additional soil was removed in the vicinity and subsequent soil samples FS01A, FS02B, FS03B, FS04B, FS05A, FS08A, FS09A, SW01A, SW05 through SW09, and SW11 were collected from the floor and sidewalls of the excavation at depths raning from the ground surface to 6.5 feet bgs. All subsequent soil samples indicated they met Site Closure Criteria. The excavation extent and excavation soil sample locations are presented on Figure 3. Laboratory analytical results are summarized in Table 1 and laboratory analytical reports are included as Appendix D.

The excavation area measured approximately 3,558 square feet. A total of approximately 550 cubic yards of impacted soil were removed during the excavation activities. The impacted soil was transported and properly disposed of at the OWL Landfill Services, LLC in Jal, New Mexico.

### **CLOSURE REQUEST**

Site assessment, delineation, and excavation activities were conducted at the Site to assess for the presence or absence of impacted soil resulting from the August 2021 and January 2024, release of produced water and crude oil. Excavation soil samples collected from the final excavation extent indicated all COC concentrations were compliant with the Site Closure Criteria. Based on the soil sample analytical results, no further remediation was required.

Excavation of impacted soil has mitigated impacts at this Site. BTA believes the remedial actions completed are protective of human health, the environment, and groundwater. As such, BTA respectfully requests closure for Incident Numbers nAPP2123555001 and nAPP2400854443.



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

Sincerely, Ensolum, LLC

Trace Hittart

Tracy Hillard Project Engineer

Mouissey

Tacoma Morrissey Associate Principal

cc: Ray Ramos, BTA Bureau of Land Management

Appendices:

Figure 1 Site Receptor Map Figure 2 **Assessment Soil Sample Locations** Figure 3 **Excavation Soil Sample Locations** Table 1 Soil Sample Analytical Results **Referenced Well Records** Appendix A Appendix B Photographic Log Appendix C Lithologic/Soil Sampling Logs Laboratory Analytical Reports & Chain-of-Custody Documentation Appendix D



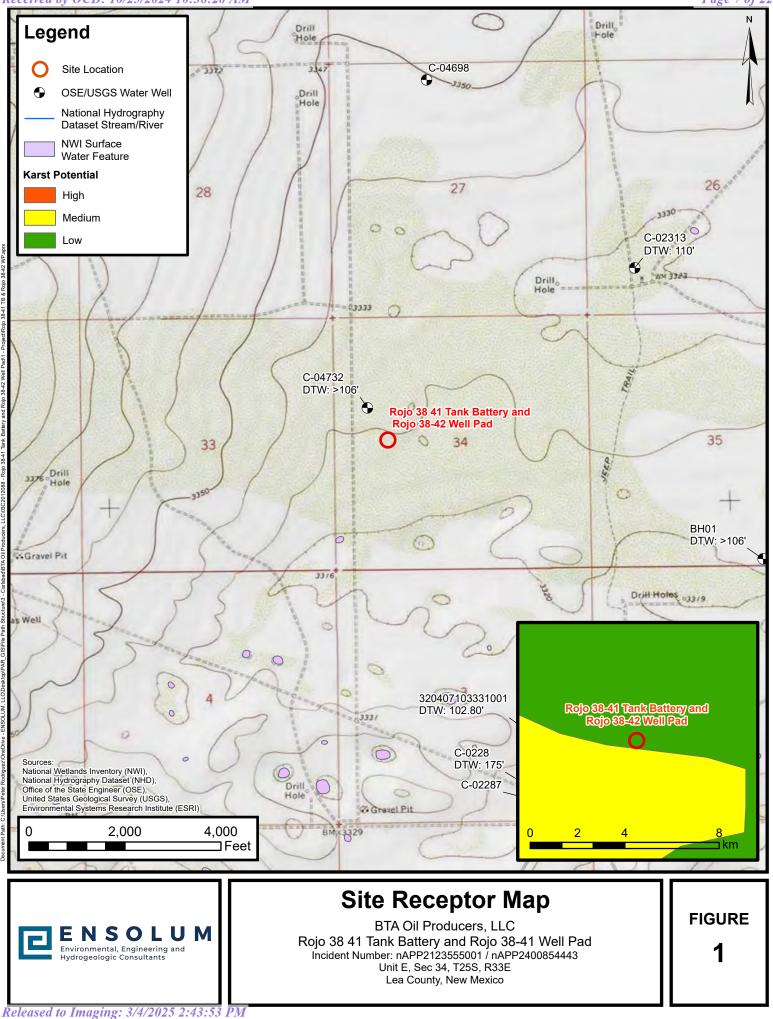
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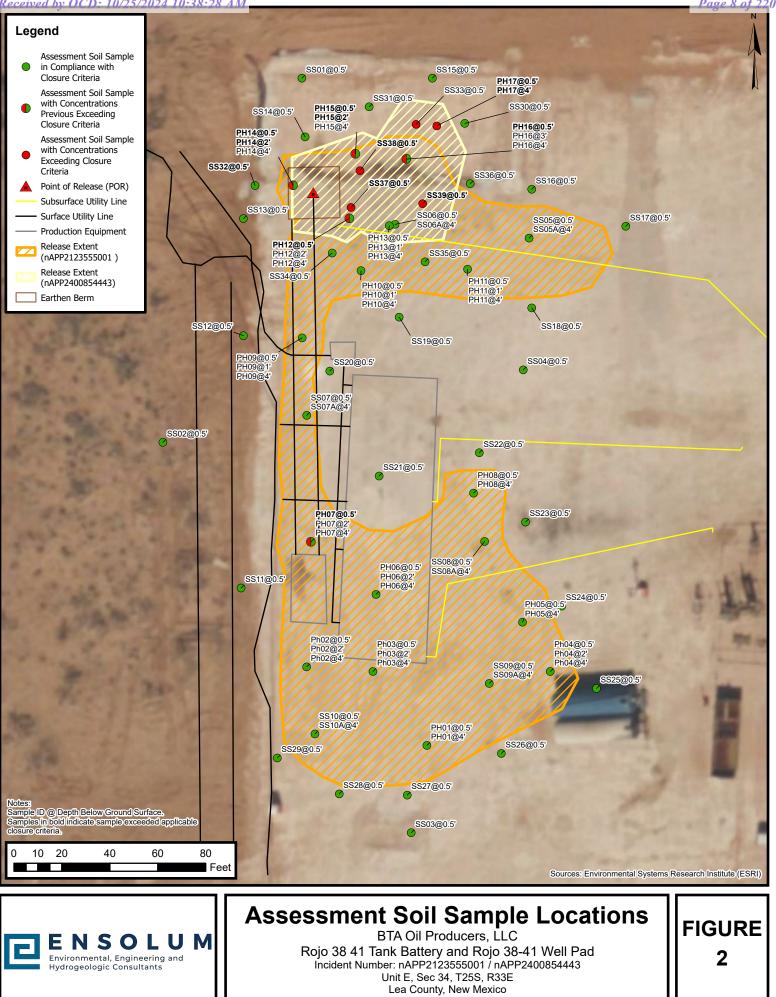
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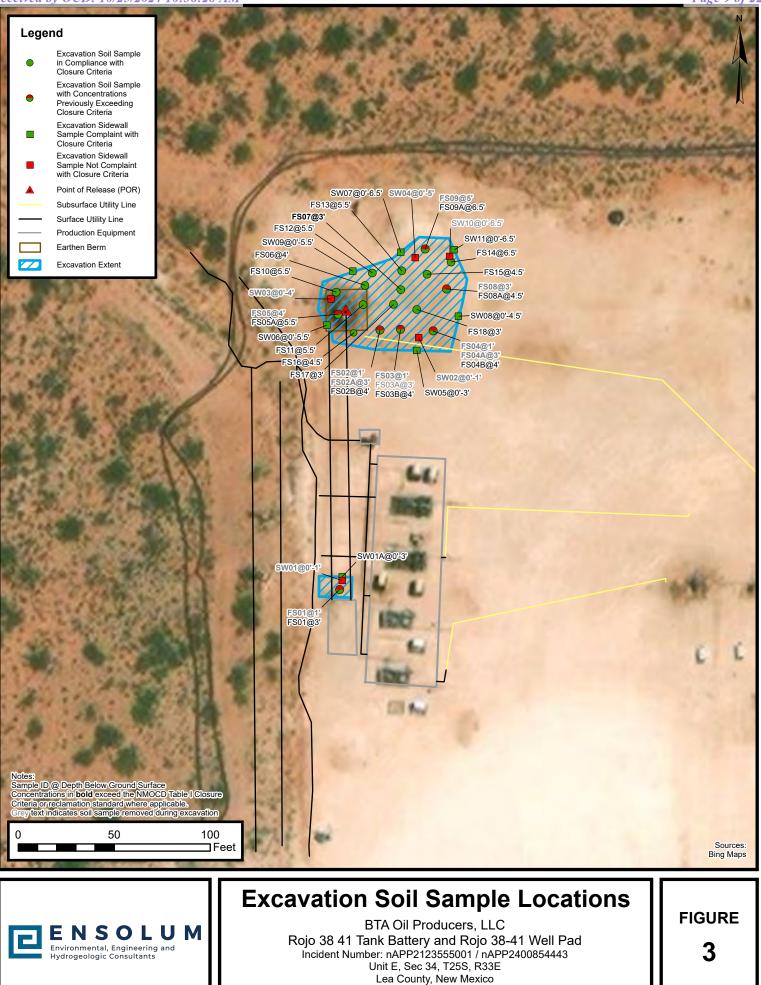






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### TABLES

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	TABLE 1 SOIL SAMPLE ANALYTICAL RESULTS Rojo 38 41 Tank Battery and Rojo 38-41 Well Pad 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	20,000			
Assessment Soil Samples													
SS01	05/11/2023	0.5	<0.050	<0.300	<10.0	56.9	<10.0	56.9	56.9	256			
SS02	05/11/2023	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0			
SS03	05/11/2023	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	192			
SS04	05/11/2023	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0			
SS05	05/11/2023	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0			
SS05A	05/31/2023	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0			
SS06	05/11/2023	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	272			
SS06A	05/31/2023	4	<0.050	5.75	321	255	337	576	913	64.0			
SS07	05/11/2023	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	320			
SS07A	05/31/2023	4	<0.050	0.400	<10.0	49.9	31.9	49.9	81.8	192			
SS08	05/11/2023	0.5	<0.050	<0.300	<10.0	219	152	219	371	528			
SS08A	05/31/2023	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112			
SS09	05/11/2023	0.5	<0.050	<0.300	<10.0	<10.0	14.8	<10.0	14.8	768			
SS09A	05/31/2023	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0			
SS10	05/11/2023	0.5	<0.050	<0.300	<10.0	15.7	<10.0	15.7	15.7	144			
SS10A	05/31/2023	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0			
SS11	01/29/2024	0.5	<0.050	<0.300	<10.0	31.6	<10.0	31.6	31.6	80.0			
SS12	01/29/2024	0.5	<0.050	<0.300	<10.0	13.2	<10.0	13.2	13.2	64.0			
SS13	01/29/2024	0.5	<0.050	<0.300	<10.0	21.3	<10.0	21.3	21.3	80.0			
SS14	01/29/2024	0.5	<0.050	<0.300	<10.0	11.3	<10.0	11.3	11.3	80.0			
SS15	01/29/2024	0.5	<0.050	<0.300	<10.0	26.9	<10.0	26.9	26.9	80.0			
SS16	01/29/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	192			
SS17	01/29/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	224			
SS18	01/29/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	240			
SS19	01/29/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	240			
SS20	01/29/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	224			
SS21	01/29/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	240			
SS22	01/29/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	240			
SS23	01/29/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0			
SS24	01/29/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0			
SS25	01/29/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0			
SS26	01/29/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0			
SS27	01/29/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0			
SS28	01/29/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0			

	SOIL SAMPLE ANALYTICAL RESULTS Rojo 38 41 Tank Battery and Rojo 38-41 Well Pad 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	Closure Criteria (	(NMAC 19.15.29)	10	50	NE	NE	NE	1,000	2,500	20,000		
SS29	01/29/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0		
SS30	01/11/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	304		
SS31	01/11/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	480		
SS32	01/11/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0		
SS33	01/11/2024	0.5	15.3	384	9,740	16,300	2,580	26,040	28,620	368		
SS34	01/11/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,300		
SS35	01/11/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0		
SS36	01/11/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112		
SS37	01/11/2024	0.5	5.69	196	4,450	6,790	1,210	11,240	12,450	1,440		
SS38	01/11/2024	0.5	21.4	443	13,200	17,000	4,240	30,200	34,440	608		
SS39	01/11/2024	0.5	29.1	522	9,670	10,900	1,840	20,570	22,410	880		
				Deli	neation Soil Sa	mples						
PH01	02/20/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0		
PH01	02/20/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0		
PH02	02/20/2024	0.5	<0.050	<0.300	<10.0	41.1	<10.0	41.1	41.1	5,120		
PH02	02/20/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	656		
PH02	02/20/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	848		
PH03	02/20/2024	0.5	<0.050	<0.300	<10.0	137	446	137	583	336		
PH03	02/20/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	336		
PH03	02/20/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144		
PH04	02/20/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	816		
PH04	02/20/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160		
PH04	02/20/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0		
PH05	02/20/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	400		
PH05	02/20/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0		
PH06	02/20/2024	0.5	<0.050	<0.300	<10.0	601	163	601	764	32.0		
PH06	02/20/2024	2	<0.050	<0.300	<10.0	248	60.0	248	308	224		
PH06	02/20/2024	4	<0.050	<0.300	<10.0	18.0	<10.0	18.0	18.0	576		
PH07	02/20/2024	0.5	0.125	0.362	137	22,600	5,710	22,737	28,447	1,120		
PH07	02/20/2024	2	< 0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0		
PH07	02/20/2024	4	<0.050	<0.300	<10.0	47.9	<10.0	47.9	47.9	128 160		
PH08	02/20/2024		<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0			
PH08 PH09	02/20/2024	4 0.5	<0.050 <0.050	<0.300 <0.300	<10.0 <10.0	<10.0 <10.0	<10.0 <10.0	<10.0 <10.0	<10.0 <10.0	80.0 640		
PH09 PH09	02/21/2024	0.5	<0.050 <0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	640 160		
		4										
PH09	02/21/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0		

TABLE 1

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TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
Rojo 38 41 Tank Battery and Rojo 38-41 Well Pad
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	Closure Criteria (	(NMAC 19.15.29)	10	50	NE	NE	NE	1,000	2,500	20,000
PH10	02/21/2024	0.5	<0.050	<0.300	<10.0	22.7	<10.0	22.7	22.7	848
PH10	02/21/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	208
PH10	02/21/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
PH11	02/21/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	576
PH11	02/21/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	176
PH11	02/21/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
PH12	02/22/2024	0.5	1.12	71.3	1,780	6,300	439	8,080	8,519	2,960
PH12	02/22/2024	2	<0.050	<0.300	<10.0	26.1	34.4	26.1	60.5	352
PH12	02/22/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	480
PH13	02/22/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
PH13	02/22/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160
PH13	02/22/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	256
PH14	02/22/2024	0.5	4.64	182	13,700	12,500	1,830	26,200	28,030	1,600
PH14	02/22/2024	2	<0.200	9.23	396	2,170	<10.0	2,566	2,566	496
PH14	02/22/2024	4	<0.050	0.709	10.8	327	<10.0	338	338	224
PH15	02/22/2024	0.5	0.632	72.0	1,810	3,300	291	5,110	5,401	208
PH15	02/22/2024	2	0.435	8.26	328	3,470	438	3,798	4,236	32.0
PH15	02/22/2024	4	<0.050	<0.300	<10.0	42.3	27.2	42.3	69.5	48.0
PH16	02/22/2024	0.5	0.263	15.6	795	1,700	169	2,495	2,664	64.0
PH16	02/22/2024	3	<0.050	<0.300	<10.0	34.7	<10.0	34.7	34.7	32.0
PH16	02/22/2024	4	<0.050	1.26	86.6	673	95.0	760	855	48.0
PH17	02/22/2024	0.5	0.377	40.7	939	7,660	1,090	8,599	9,689	128
PH17	02/22/2024	4	< 0.050	1.08	187	3,170	430	3,357	3,787	272
				Conf	irmation Soil Sa	amples				
FS01	04/26/2024	1	1.53	209	6,490	3,950	3,770	10,440	14,210	176
FS01A	08/23/2024	3	<0.050	<0.300	<10.0	67	<10.0	67	67	64
FS02	04/26/2024	1	< 0.050	3.24	134	1,970	267	2,104	2,371	608
FS02A	08/21/2024	3	< 0.050	<0.300	<10.0	507	94.6	507	602	448
FS02B	08/27/2024	4	<0.050	<0.300	<10.0	18	<10.0	18	18	48
FS03	04/26/2024	1	< 0.050	5.00	152	2,240	360	2,392	2,752	720
FS03A	08/21/2024	3	< 0.050	<0.300	<10.0	15.4	<10.0	15.4	15.4	832
FS03B	08/27/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32
FS04	04/26/2024	1	<0.50	3.92	185	2,960	416	3,145	3,561	592
FS04A	08/21/2024	3	<0.50	<0.300	<10.0	167	18.2	167	185	432
FS04B	08/27/2024	4	<0.050	<0.300	<10.0	35	<10.0	35	35	224
FS05	04/26/2024	4	< 0.050	0.492	48.4	1,410	142	1,458	1,600	160
FS05A	08/05/2024	5.5	<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 38 41 Tank Battery and Rojo 38-41 Well Pad	
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	osure Criteria (I	NMAC 19.15.29)	10	50	NE	NE	NE	1,000	2,500	20,000
FS06	04/26/2024	4	<0.050	0.428	17.1	271	206	288	494	144
FS07	04/26/2024	3	<0.050	1.36	109	2,480	449	2,589	3,038	112
FS08	04/26/2024	3	<0.050	<0.300	53.3	1,020	171	1,073	1,244	400
FS08A	08/21/2024	4.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160
FS09	04/26/2024	5	<0.050	0.371	218	2,420	356	2,638	2,994	160
FS09A	08/06/2024	6.5	<0.051	<0.300	<10.0	149	23.4	149	162	32.0
FS10	08/06/2024	5.5	<0.050	<0.300	67.1	373	131	440	571	144
FS11	08/06/2024	5.5	<0.050	<0.300	<10.0	70.5	15.2	70.5	85.7	<16.0
FS12	08/06/2024	5.5	<0.050	<0.300	<10.0	662	152	662	814	112
FS13	08/06/2024	5.5	<0.050	<0.300	<10.0	18.4	<10.0	18.4	18.4	32.0
FS14	08/07/2024	6.5	<0.050	<0.300	<10.0	317	46.5	317	364	112
FS15	08/07/2024	4.5	<0.050	<0.300	<10.0	395	62.5	395	458	272
FS16	08/07/2024	4.5	<0.050	<0.300	<10.0	73.1	12.3	73.1	85.4	16.0
FS17	08/22/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
FS18	08/22/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
SW01	04/26/2024	0 - 1	2.71	217	6,520	8,520	4,070	15,040	19,110	736
SW01A	08/23/2024	0 - 3	<0.050	<0.300	<10.0	21.4	<10.0	21.4	21.4	32.0
SW02	04/26/2024	0 - 1	<0.050	1.23	35.9	1,240	175	1,276	1,451	272
SW03	04/26/2024	0 - 4	< 0.050	2.62	124	4,260	624	4,384	5,008	592
SW04	04/26/2024	0 - 5	< 0.050	14.3	548	3,980	602	4,528	5,130	64.0
SW05	08/21/2024	0 - 3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0
SW06	08/21/2024	0 - 5.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
SW07	08/21/2024	0 - 6.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
SW08	08/21/2024	0 - 4.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	512
SW09	08/21/2024	0 - 5.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
SW10	08/21/2024	0 - 6.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	672
SW11	08/27/2024	0 - 6.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0

#### Notes:

bgs: below ground surface

mg/kg: milligrams per kilogram

NMOCD: New Mexico Oil Conservation Division

NMAC: New Mexico Administrative Code

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes Concentrations in **bold** exceed the NMOCD Table I Closure Criteria or

reclamation standard where applicable.

GRO: Gasoline Range Organics DRO: Diesel Range Organics ORO: Oil Range Organics TPH: Total Petroleum Hydrocarbon

Grey text indicates soil sample removed during excavation activites



### APPENDIX A

**Referenced Well Records** 

- /								Sample Name: C-04732	Date: 04/19/2023	
			NI	C	ΟΙ			Site Name: Rojo 18 ELL		
								Incident Number: nAPP222275315	56	
								Job Number: 03C2012007		
		LITHOL	OGI		SAMPLING	i LOG		Logged By: J.falcomata	Method: Air Rotary	
Coordi	inates: 32	2.089035	, -103	.566486				Hole Diameter: 5"	Total Depth: 106'	
Comm	ents: Soi	l boring v	vas ac	lvanced to	a total dept	h of 106' bg	s. No wate	r was observed within the soil bori	ng after at least 72 hours.	
On 04/	/24/2023	the soil l	ooring	g was plugg	ged and abar	ndoned usin	g hydrated	l bentonite chips.		
Moisture Content (ppm)Moisture Chloride (ppm)Content (ppm)Chloride (ppm) <td>USCS/Rock Symbol</td> <td>Lithologic Des</td> <td>scriptions</td>							USCS/Rock Symbol	Lithologic Des	scriptions	
					1 - -	L - -		Note: Driller injected well with a water help stabilize well and prevent cave in. 102' with 2" polypipe casing.		
Dry	-	-	N	-		10	SP-SM	(10') SAND: fine grained - m amounts small gravel, poorl	-	
Dry	-	-	N	-		20	SP-SM	non plastic non cohesive (20') SAND: fine grained, sil		
Dry	-	-	N	-		30	SP-SM	medium brown, no odor, no cohesive. (30') SAND: fine - medium g	•	
					-	-		amount small gravel, poorly no odor, non plastic, non co	hesive	
Dry	-	-	N	-		40	SP-SM	(40') SAND: fine grained, silt to orangish brown, no odor,		
Dry	-	-	N	-		50	SP-SM	cohesive (50') SAND: fine grained, silt		
Wet	-	-	N	-	- - -	60	SP-SM	to orangish brown, no odor, cohesive (60') SAND: fine grained, silt orangish brown, wet from ir	y, poorly graded,	
Wet	-	-	N	-		70	SP-SM	plastic, non cohesive (70') SAND: fine grained, silt medium brown, wet from ir		
Wet	-	-	N	-	- - -	- 80	SP-SM	plastic, non cohesive (80') SAND: fine grained, silt medium brown, wet from ir	y, poorly graded,	
Wet	-	-	N	-	-	90	SP-SM	plastic, non cohesive (90') SAND: fine grained, silt	y, poorly graded,	
Wet	-	-	N	-	- - - -	100	SP-SM	orangish brown, wet from ir plastic, non cohesive (100') SAND: fine grained, si wet from injection, no odor	Ity, poorly graded, tar	
Wet			N			106	SP-SM	cohesive		
wei	-	-	IN	-						
Total Depth @ 106 feet bgs										



Released to Imaging: 3/4/2025 2:43:53 PM

# New Mexico Office of the State Engineer Point of Diversion Summary

			<b>`</b> 1				E 3=SV largest	3=SW 4=SE) urgest) (NAD83 UTM in meters)				
Well Tag	POD Numl	ber	Q64	Q16	Q4	Sec	Tws	Rng	Х	Y		
	C 02285 P	OD1	1	4	4	03	26S	33E	636613	3548855	•	
<sup>x</sup> Driller Lic		Drille	r Con	ıpan	ıy:							
Driller Na												
Drill Start	Date:		Drill F	Finish	Dat	:e:	1	2/31/1982	P	ug Date:		
Log File D	ate:		PCW	Rcv I	Dates	:			Se	ource:	Shallow	
Pump Typ	e:		Pipe D	Discha	irge	Size:			E	stimated Yield	: 18 GPM	
<b>Casing Siz</b>	<b>e:</b> 8.00		Depth	Wall			n	20 feet	п	epth Water:	220 feet	

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, or suitability for any particular purpose of the data.

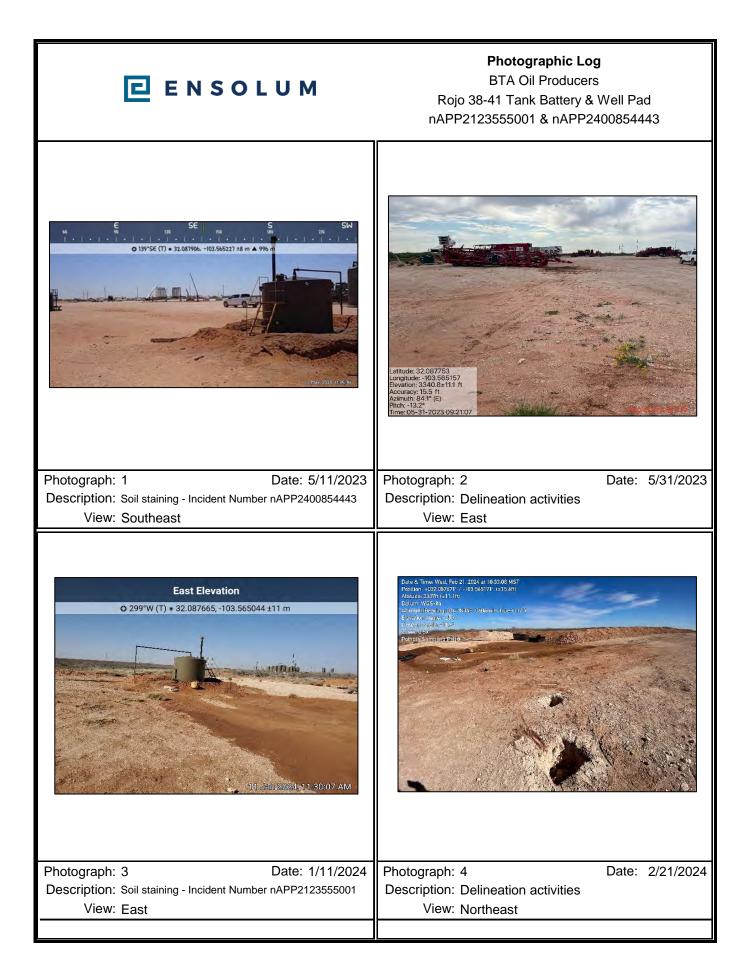
5/4/23 8:55 AM

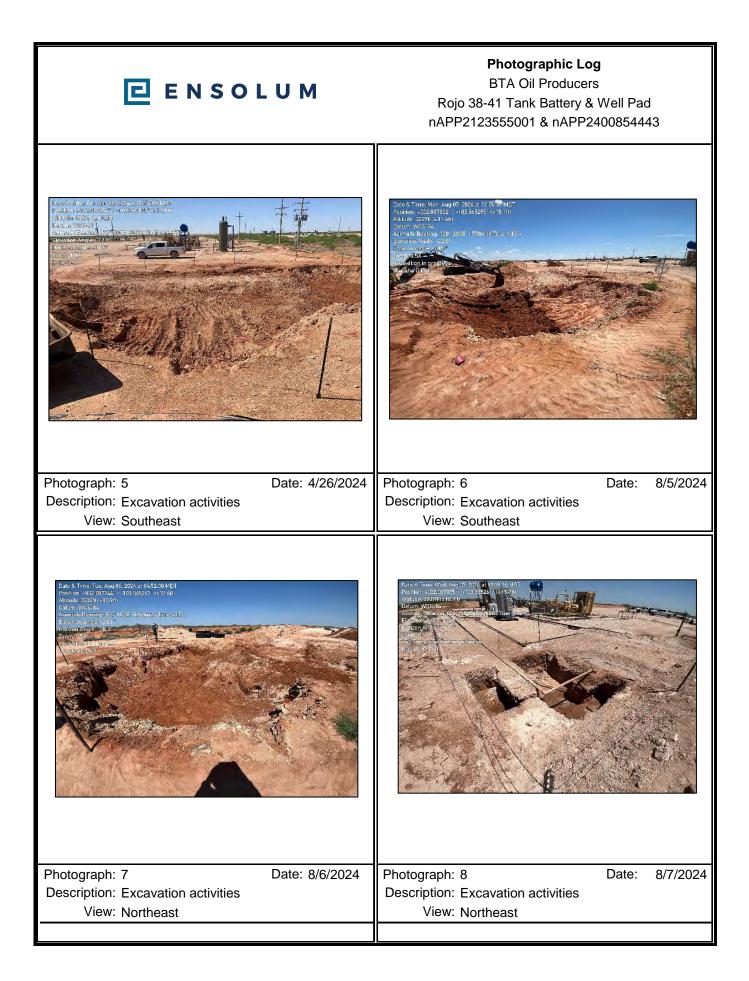
POINT OF DIVERSION SUMMARY

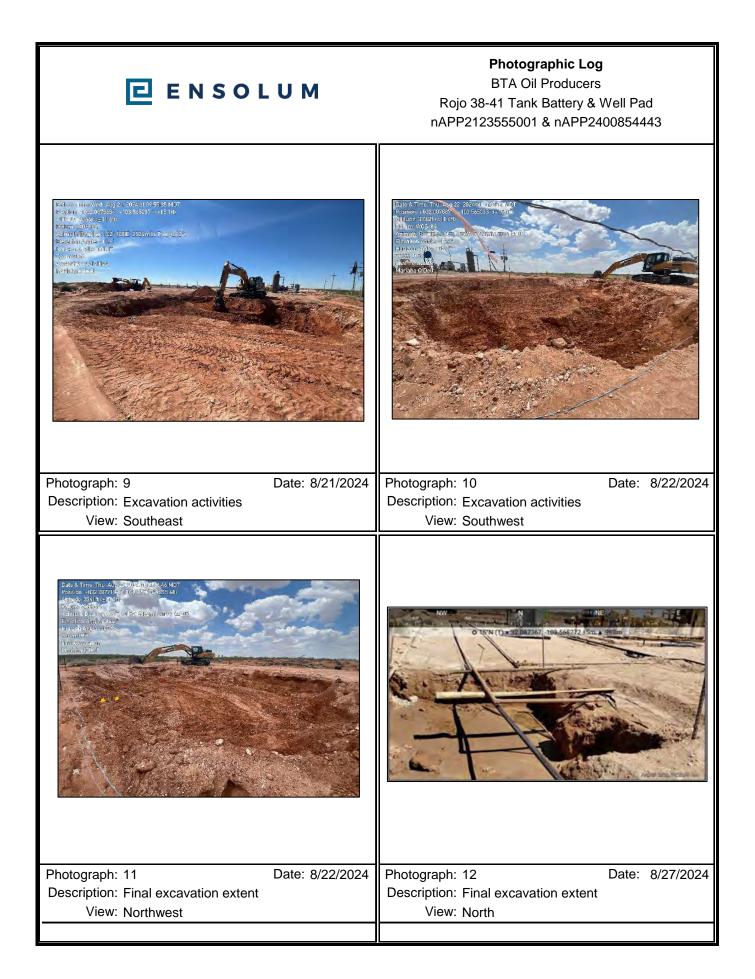


## APPENDIX B

Photographic Log









APPENDIX C

Lithologic Soil Sampling Logs

<b>F</b>								Sample Name: SS05	Date: 05/31/23
					<b>•</b>			Site Name: Rojo 38 41 Tank Batter	
		E	N	S	ΟΙ		Μ	Incident Number: nAPP212355500	
			- 1		_			Job Number: 03C2012032	1
			0614		SAMPLING				Method: Backhoe
Coord		2.08719,				100		Logged By: DN Hole Diameter: NA	Total Depth: 4'
					vith HACH CH	nloride Test		PID for chloride and vapor, respect	
			-		il to distilled				
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Des	
					1 - -	<u> </u> 0 -	CCHE (fill)	0'-0.5' CALICHE, light brown, rounded grains, no odor, dr	
D	<173	1.4	Ν	SS05	0.5	0.5	SP	0.5'-4' SAND, brown, poorly dry, no odor, not stained.	sorted, fine grains,
D	<173	0.3	Ν	SS05A	-	1			
D	<173	0.5	N	SS05B	-	2			
D	<173	1,4	N	SS05C	-	3			
D	<173	0.6	N	SS05D	4	4	TD	Total Depth @ 4' bgs	

								Sample Name: SS06	Date: 05/31/23
								Site Name: Rojo 38 41 Tank Batter	
			N		01		Μ	Incident Number: nAPP212355500	
					_			Job Number: 03C2012032	-
F			OGI		SAMPLING	GLOG		Logged By: DN	Method: Backhoe
Coord		2.08719,		-				Hole Diameter: NA	Total Depth: 4'
Comments: Field screening conducted with HACH Chloride Test Strips and									
performed with 1:4 dilution factor of soil to distilled water and 40% corre								,	
Moisture Content						Lithologic Descriptions			
D D D	420 <173 <173 <173	0.4 3.4 11.9 32.7	Y Y Y Y	SS06 SS06A SS06B SS06C	0.5		SP	0'-4' SAND, brown, poorly so with sub-rounded well-grad Odor and staininig are prese	ed large gravel grains.
D	<173	411	Y	SS06D	4	- - - 4	TD	Total Depth @ 4' bgs	
						· · · · · · · · · · · · · · · · · · ·	2 -		

								Sample Name: SS07	Date: 05/31/23
								Site Name: Rojo 38 41 Tank Batte	
		E	Ν		01		M	Incident Number: nAPP21235550	
				_	_			Job Number: 03C2012032	-
			OGI		SAMPLING	GLOG		Logged By: DN	Method: Backhoe
Coord	inates: 32							Hole Diameter: NA	Total Depth: 4'
					vith HACH Cl		PID for chloride and vapor, respec		
			-		il to distilled			,	
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Des	
					1 - -	0 	CCHE (fill)	0'-0.5' CALICHE, light browr rounded grains, odor, dry,	
D	420	0.3	Ν	SS07	0.5	0.5	SP	0.5'-1' SAND, brown, poorly dry, odor, not stained, with	-
D	218.4	42.8	Ν	SS07A	-	1	SP	1'-4' SAND, brown, poorly s no odor, not stained.	orted, fine grains, dry,
D	218.4	11.5	Ν	SS07B	-	2			
D	218.4	5.4	Ν	SS07C		3			
D	218.4	34.2	N	SS07D	4	4	TD	Total Depth @ 4' bgs	

								Sample Name: SS08	Date: 05/31/23
								Site Name: Rojo 38 41 Tank Batter	
		E	N		ΟΙ		Μ	Incident Number: nAPP212355500	
				_	_	_	_	Job Number: 03C2012032	-
<b> </b>			061		SAMPLING	6106		Logged By: DN	Method: Backhoe
Coord		2.08719,		-				Hole Diameter: NA	Total Depth: 4'
					vith HACH Cl		PID for chloride and vapor, respec		
					il to distilled			,	
Moisture Content	Moisture Content (ppm) (					Lithologic Descriptions			
≥ 0	0		S	Sa	(it bgs)	-	_		
					1 - -	 	CCHE (fill)	0'-0.5' CALICHE, light brown rounded grains, no odor, di	
D	638.4	0.2	Y	SS08	0.5	0.5	SP	0.5'-4' SAND, brown, poorly dry, no odor, not stained.	sorted, fine grains,
D	638.4	1.6	Ν	SS08A	-	- 1 -			
D	330.4	6.2	Ν	SS08B		2			
D	173.0	2.7	N	SS08C		3			
D	<173	9.7	N	SS08D	4	4	TD	Total Depth @ 4' bgs	
								Total Depth @ 4 bgs	

								Sample Name: SS09	Date: 05/31/23	
								Site Name: Rojo 38 41 Tank Batter		
		E	N		ΟΙ		Μ	Incident Number: nAPP212355500		
				_	_	_	_	Job Number: 03C2012032		
			061		SAMPLING	6106		Logged By: DN	Method: Backhoe	
Coord		2.08719,		-				Hole Diameter: NA	Total Depth: 4'	
					vith HACH Cl	nloride Test		PID for chloride and vapor, respec		
					il to distilled				,	
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Des	scriptions	
ΣŬ	0		S	Sai	(ft bgs)		_			
					1 - -		CCHE (fill)	0'-0.5' CALICHE, light brown rounded grains, odor, dry, i		
D	1081	0.2	Y	SS09	0.5	0.5	SP	0.5'-4' SAND, brown, poorly dry, no odor, not stained.	sorted, fine grains,	
D	330.4	0.4	N	SS09A	-	1				
D	<173	0.3	Ν	SS09B	-	2				
D	<173	0.3	Ν	SS09C	-	3				
D	<173	0.3	N	SS09D	4 _	4	TD	Total Depth @ 4' bgs		
						- - - - - - - - - - - - - - - - - - -				

								Sample Name: SS10	Date: 05/31/23	
Γ.					<b>•</b>			Site Name: Rojo 38 41 Tank Batte		
			N	IS	01		Μ	Incident Number: nAPP21235550		
			_					Job Number: 03C2012032		
<b> </b>			061		SAMPLING			Logged By: DN Method: Backhoe		
Coord		2.08719,		-				Hole Diameter: NA	Total Depth: 4'	
					vith HACH CI	nloride Test		PID for chloride and vapor, respec		
			-		il to distilled					
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic De		
					1 - -	0 	CCHE (fill)	0'-0.5' CALICHE, light browr rounded grains, no odor, d		
D	218.4	0.7	Ν	SS10	0.5	0.5	SP	0.5'-4' SAND, brown, poorly dry, no odor, not stained.	sorted, fine grains,	
D	<173	0.4	Ν	SS10A	-	- 1 -				
D	<173	0.3	Ν	SS10B	-	2				
D	<173	0.5	Ν	SS10C	-	3				
D	<173	0.7	N	SS10D	4	- - 4	TD	Total Depth @ 4' bgs		

	_						Sample Name:PH01	Date:2/20/2024
	E	N	S	ΟΙ	LU	Μ	Site Name: Rojo 38 41 Tank Batte	
1. No. 1.							Incident Number: nAPP21235550	
		001					Job Number: 03C2012032 / 03C20	
				SAMPLING	LUG		Logged By: CW/US	Method:
Coordinates						<u></u>	Hole Diameter:18"	Total Depth: 4'
performed w						Strips and	PID for chloride and vapor, respec	ctively. Chloride test
Moisture Content Chloride	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic De	scriptions
M <16	8 0.0	N	PH01	0.5	L - -	SP	(1-4') SAND, very fine, dark little silt, no odor	s brown,
M <16	3 0.0	N		1 -	- 1 -			
M <16	8 0.0	N		2	2			
M <16	8 0.0	N		3 -	- 3 - 3 -			
M <16	3 0.0	N	PH01	4	4 Total Dep	oth @ 4	feet bgs	

							Sample Name:PH02	Date:2/20/2024
			~				Site Name: Rojo 38 41 Tank B	
		N	>	ΟΙ			Incident Number: nAPP21235	
							Job Number: 03C2012032 / 0	
		0610		SAMPLING			Logged By: CW/US	Method:
Coordinates: 3			-		100		Hole Diameter:18"	Total Depth: 4'
					olorido Tost		PID for chloride and vapor, re	
performed wit		-						spectively. Chloride test
Moisture Content Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic	Descriptions
M 7313	0.0	N	PH02	1 0.5 _ -	Ц - -	CCHE	(0-1') CALICHE, tan, with little vf brown sand, no	n silt, odor
M 840	0.0	Ν		1 -	1 	SP	(1-4') SAND, very fine, c little silt, no odor	dark brown,
M 700	0.0	Ν	PH02	 2 	- - - - -			
M 459	0.0	N		3 _	3			
M 1165	0.0	N	PH02	4	4 Total De	pth at 4	(@4') some clay added feet bgs	

<b>LITHOLOGI</b> Coordinates: 32.08771, -103.	onducted with HACH Chlorid factor of soil to distilled wate 으 Sample Denth De	e Test Strips and r. epth bgs) SSD	Job Number: 03C2012032 / 03C203 Logged By: CW/US Hole Diameter:18" I PID for chloride and vapor, respect Lithologic Dest (0-1') CALICHE, tan, with silt, little vf brown sand, no odor (1-4') SAND, very fine, dark	1 / nAPP2400854443 12088 Method: Total Depth: 4' ively. Chloride test
LITHOLOGIC Coordinates: 32.08771, -103. Comments: Field screening co performed with 1:4 dilution for M 235 0.0 N M 235 0.0 N M 235 0.0 N	C / SOIL SAMPLING LOC .56522 onducted with HACH Chloride factor of soil to distilled wate	G e Test Strips and r. pth bgs) S CCHE	Job Number: 03C2012032 / 03C203 Logged By: CW/US Hole Diameter:18" I PID for chloride and vapor, respect Lithologic Dest (0-1') CALICHE, tan, with silt, little vf brown sand, no odor (1-4') SAND, very fine, dark	12088 Method: Total Depth: 4' ively. Chloride test criptions
Coordinates: 32.08771, -103.Comments: Field screening comments: Field screening competition for the screening competition for the screening competition.Moistne Culouide (m db)M 235M2350.0M235O.0NM2350.0N2350.0	.56522         onducted with HACH Chlorida         factor of soil to distilled wate $\bigcirc$ Sample $\bigcirc$ Depth $\bigcirc$ (ft bgs)         PH03       0.5	e Test Strips and r. epth bgs) SSS CCHE	Logged By: CW/US Hole Diameter:18" I PID for chloride and vapor, respect Lithologic Des (0-1') CALICHE, tan, with silt, little vf brown sand, no odor (1-4') SAND, very fine, dark	Method: Total Depth: 4' ively. Chloride test criptions
Coordinates: 32.08771, -103.Comments: Field screening comperformed with 1:4 dilution for the screening of the screenin	.56522         onducted with HACH Chlorida         factor of soil to distilled wate $\bigcirc$ Sample $\bigcirc$ Depth $\bigcirc$ (ft bgs)         PH03       0.5	e Test Strips and r. epth bgs) SSS CCHE	Hole Diameter:18" PID for chloride and vapor, respect Lithologic Des (0-1') CALICHE, tan, with silt, little vf brown sand, no odor (1-4') SAND, very fine, dark	Total Depth: 4' ively. Chloride test criptions
Comments: Field screening comperisonmed with 1:4 dilution for the screening of t	onducted with HACH Chlorid factor of soil to distilled wate 으 Sample Depth (ft bgs) PH03 0.5	r. pth bgs) CCHE	Hole Diameter:18" PID for chloride and vapor, respect Lithologic Des (0-1') CALICHE, tan, with silt, little vf brown sand, no odor (1-4') SAND, very fine, dark	criptions
performed with 1:4 dilution from the second	Factor of soil to distilled wate Sample Depth (ft bgs) PH03 0.5 - - - - - - - - - - - - -	r. pth bgs) CCHE	Lithologic Des (0-1') CALICHE, tan, with silt, little vf brown sand, no odor (1-4') SAND, very fine, dark	criptions
Moisture Moisture Moisture Content (ppm) Content (ppm) Moisture (ppm) Moisture (p	Omega     Sample     Depth       Depth     Depth     Depth       Exp     (ft bgs)     Implementation       PH03     0.5     Implementation	pth bgs) CCHE	(0-1') CALICHE, tan, with silt, little vf brown sand, no odor (1-4') SAND, very fine, dark	· 
M 235 0.0 N M 235 0.0 N	РНОЗ 0.5 <u>-</u>	ССНЕ	(0-1') CALICHE, tan, with silt, little vf brown sand, no odor (1-4') SAND, very fine, dark	· 
M 235 0.0 N	I I Ī		little vf brown sand, no odor (1-4') SAND, very fine, dark	
		1 SP	(1-4') SAND, very fine, dark	
M 408 0.0 N			little silt, no odor	brown,
M 196 0.0 N	PH03 2 +	2		
M 162 0.0 N	РН03 4 <del>1</del> Тот	4 al Depth @ 4	(@4') some clay added feet bgs	

								Sample Name:PH04	Date:2/20/2024
	•		N	C	ΟΙ			Site Name: Rojo 38 41 Tank Batte	
								Incident Number: nAPP21235550	
								Job Number: 03C2012032 / 03C20	012088
		LITHOL	OGI		SAMPLING	G LOG		Logged By: CW/US	Method:
Coord	inates: 32			-				Hole Diameter:18"	Total Depth: 4'
Comm	ents: Fie	ld screen	ing co	onducted w	vith HACH Cl	nloride Test	Strips and	PID for chloride and vapor, respec	tively. Chloride test
perfor	med with	n 1:4 dilu	tion f	actor of so	il to distilled	water.			
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic De	scriptions
М	1075	0.0	N	PH04	0.5 _	Ц - -	ССНЕ	(0-1') CALICHE, tan, with sil little vf brown sand, no odc	t, r
М	168	0.0	Ν	PH04	1 -	1	SP	(1-4') SAND, very fine, dark little silt, no odor	s brown,
Μ	<168	0.0	N		2	2			
Μ	<168	0.2	Ν		3 _	3 			
М	<168	0.1	N	PH04	4	4			
						Total De	pth @ 4	feet bgs	

								Sample Name:PH05	Date:2/20/2024
				C				Site Name: Rojo 38 41 Tank Batter	
				3		LU		Incident Number: nAPP212355500	
								Job Number: 03C2012032 / 03C20	
		LITHOL	OGI		SAMPLING	G LOG		Logged By: CW/US	Method:
Coordi	inates: 32			-				Hole Diameter:18"	Total Depth: 4'
Comm	ents: Fie	ld screen	ing co	onducted v	ith HACH Cl	nloride Test	Strips and	PID for chloride and vapor, respec	tively. Chloride test
perfor	med with	n 1:4 dilu	tion f	actor of so	il to distilled	water.			
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Des	scriptions
М	459	0.0	N	PH05	1 0.5	₽ - -	CCHE	(0-1') CALICHE, tan, with silt little vf brown sand, no odo	-, r
М	<168	0.0	N		1	. 1	SP	(1-4') SAND, very fine, dark little silt, no odor	brown,
М	<168	0.0	N		2	2			
Μ	<168	0.0	N	DUOS	3 _	3			
M	<168	0.0	N	PH05	4 _	L 4 Total De	oth @ 4	(@4') some clay added feet bgs	

								Sample Name:PH06	Date:2/20/2024
				C			R A	Site Name: Rojo 38 41 Tank Batte	
				3	ΟΙ			Incident Number: nAPP21235550	
								Job Number: 03C2012032 / 03C2	
		LITHOL	OGI		SAMPLING	G LOG		Logged By: CW/US	Method:
Coord	linates: 32			-				Hole Diameter:18"	Total Depth: 4'
Comn	nents: Fie	ld screen	ing co	onducted w	ith HACH Cl	nloride Test	Strips and	PID for chloride and vapor, respe	ctively. Chloride test
perfo	rmed with	n 1:4 dilu	tion f	actor of so	il to distilled	water.			
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic De	escriptions
м	<162	0.0	N	PH06	0.5 _	Ц - - -	SP	(1-4') SAND, very fine, dar little silt and clay, no odor	k brown,
м	235	0.0	Ν		1 _	1 			
М	235	0.0	Ν	PH06	2	2			
М	196	0.0	N		3 -	- 3 -			
м	632	0.0	N	PH06	4	- 4 Total De	pth @ 4	feet bgs	

								Sample Name:PH07	Date:2/20/2024
				C			R A	Site Name: Rojo 38 41 Tank Batter	
				3	ΟΙ			Incident Number: nAPP212355500	
								Job Number: 03C2012032 / 03C20	
		LITHOL	OGI		SAMPLING	6 LOG		Logged By: CW/US	Method:
Coord	inates: 32			-				Hole Diameter:18"	Total Depth: 4'
			-				Strips and	PID for chloride and vapor, respect	tively. Chloride test
perfor	med with	n 1:4 dilu	tion f	actor of so	il to distilled	water.			
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Des	scriptions
М	1456	75.1	N	PH07	1 0.5 -	L - -	CCHE	(0-1') CALICHE, tan, with silt little vf brown sand, faint hy	, /drocarbon odor
М	<168	23.2	Ν		1	1	SP	(1-4') SAND, very fine, dark little silt	brown,
м	<168 <168 <168	40.3 15.7 9.4	N N	PH07 PH07	2	2 - 2 - 3 - 3 - 3 - 4 - 4 - 4 - 10ej	oth @ 4	(@3') some clay added feet bgs	

							Sample Name:PH08	Date:2/20/2024
2		NI	<b>C</b>				Site Name: Rojo 38 41 Tank B	Battery/ Well Pad
			3		- U		Incident Number: nAPP21235	555001 / nAPP2400854443
							Job Number: 03C2012032 / 0	03C2012088
	LITHOL	OGIC	: / SOIL SA	MPLING		Logged By: CW/US	Method:	
Coordinates: 3	2.08771,	-103.5	6522			Hole Diameter:18"	Total Depth: 4'	
Comments: Fie performed wit		-				Strips and	PID for chloride and vapor, re	spectively. Chloride test
Molsture Content Chloride (ppm)	Vapor (ppm)	Staining	nple	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic	Descriptions
M <168	0.0	N		0.5	L - -	CCHE	(0-1') CALICHE, tan, with little vf brown sand, no	h silt, odor
M <168	0.0	N		1	1	SP	(1-4') SAND, very fine, o little silt, no odor	dark brown,
M <168	0.0	N		2	2			
M <168	0.0	N		3 -	3			
M <168	0.0	N		4	4 Total Dep	oth @ 4	(@4') some clay added feet bgs	

1									
								Sample Name: PH09	Date:02/21/24
		F	N	S	ΟΙ		M	Site Name: BTA Rojo 38 41 Tank B	
								Incident Number: nAPP212355500	)1 / nAPP2400854443
								Job Number: 03C2012032 / 03C20	12088
					SAMPLING	G LOG		Logged By: TH/US	Method: Hydrovac
	inates: 32							Hole Diameter: 18 in	Total Depth: 4'
			-		vith HACH Ch il to distilled		Strips and	PID for chloride and vapor, respect	tively. Chloride test
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Des	scriptions
D	554.4	2.5	N	PH09	L 0.5	L 0.5	CCHF	(0-1') Caliche, beige, poorly fine sand with silt, no odor.	sorted,
М	196	2.9	N	PH09	1 _	1	SP	(1'- 4') Sand, dark brown, po	porly graded, no odor.
М	<168	3	N		2	2	SP		
М	<168	1.9	N		3	- 3	SP		
м	<168	0.4	N	PH09	4	4 Total De	SP pth @ 4	feet bgs	
1									

								Sample Name: PH10	Date:02/21/24
				~				Site Name: BTA Rojo 38 41 Tank B	
			N	>	ΟΙ			Incident Number: nAPP212355500	-
								Job Number: 03C2012032 / 03C20	
		LITHOL	OGI		SAMPLING	G LOG		Logged By: TH/US	Method: Hydrovac
Coordi		2.08771,		-				Hole Diameter: 18 in	Total Depth: 4'
					ith HACH Cr	nloride Test S	Strips and	PID for chloride and vapor, respec	
perfor	med with	n 1:4 dilu	tion f	actor of so	il to distilled	water.			
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Des	scriptions
D	756	0.3	N	PH10	۱ 0.5	L 0.5	CCHE	(0-1') Caliche, beige, well so	rted, no odor.
м	263	0.3	Ν	PH10	1	1	SP	(1'-4') Sand, dark brown, po	orly graded, no odor.
					-	-			
м	<168	0.2	N		2	2			
		0.1							
					_	-			
Μ	<168	0.3	Ν		3	3			
					-	-			
М	<168	0.1	Ν	PH10	4	4 Total Der	oth @ 4	feet bgs	

								Sample Name: PH11	Date:02/21/24	
		F	N	S	ΟΙ		M	Site Name: BTA Rojo 38 41 Tank B		
								Incident Number: nAPP21235550	01 / nAPP2400854443	
	-							Job Number: 03C2012032 / 03C20	012088	
		LITHOL	OGI	C / SOIL S	SAMPLING	G LOG		Logged By: TH/US	Method: Hydrovac	
		2.08771,						Hole Diameter: 18 in	Total Depth: 4'	
			-		vith HACH Cł il to distilled		Strips and	PID for chloride and vapor, respec	tively. Chloride test	
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions		
D	442	0.2	N	PH11	L 0.5	L 0.5	CCHE	(0-1') Caliche, beige, poorly fine sand with silt, no odor.	sorted,	
м	162.4	0.5	N	PH11	1	1	SP	(1'-2') Sand, fine, dark brow poorly graded, no odor.	'n,	
М	<168	0.5	N		2	2				
М	M <168 0.4 N 3 5P							(3'-4') Sand, fine, dark brow poorly graded with some cl	n, ay, no odor.	
м	<168	0.6	N	PH11	4	– 4 Total Dej	oth @ 4	feet bgs		
									$\underline{}$	

							Sample Name: PH12	Date:02/22/24		
	-						Site Name: BTA Rojo 38 41 Ta			
		N	2	ΟΙ	LU	Μ	Incident Number: nAPP21235			
							Job Number: 03C2012032 / 03			
		0610		SAMPLING			Logged By: TH/US	Method: Hydrovac		
Coordinates: 3			-				Hole Diameter: 18 in	Total Depth: 4'		
				ith HACH Cl	nloride Test		PID for chloride and vapor, res			
performed wit										
Moisture Content Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions			
D 1938	343.7	N	PH12	L 0.5	L 0.5	CCHE/SF	(0'-1')Caliche, tan, not m	nixing, very fine silt,		
M 554.4	4.8	Ν		1 _	1	SP	brown sand, trace clay, f (1'-2')Sand and silt, brow	raint HC odor. yn, non-plastic clay		
					$\mathbf{F}^{-}$			, ,		
M 442.4	0.4	N	PH12	2	2	SP	(2'-4')Silt, dark brown, a	nd trace clay.		
				-	-					
M 554.4	0	Ν	PH12	3	3					
				-	F					
M 756	0	N		4	– – 4 Total De <sub>l</sub>	oth @ 4	feet bgs			

							Sample Name: PH13	Date:02/22/24			
							Site Name: BTA Rojo 38 41 Tank E				
		N	>	ΟΙ			Incident Number: nAPP21235550				
							Job Number: 03C2012032 / 03C20				
		0610		SAMPLING	106		Logged By: TH/US	Method: Hydrovac			
Coordinates: 3							Hole Diameter: 18 in	Total Depth: 4'			
				vith HACH Ch	loride Test !	Strips and	PID for chloride and vapor, respec				
performed wit		-						-			
Moisture Content Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions				
M <168	0.8	Y	PH13	1 0.5	L 0.5	SP	(0'-1')Sand, brown, some cl	ау.			
M <168	0.1	N	PH13	1	1	SP	(1'-2')Sand, brown, some cl	ay and little silt.			
M <168	0.2	N		2	2	SP	(2'-3')Silt, brown, some clay, little sand.				
M 229.6	0.5	N	PH13	3_	3	SP	(3'-4')Silt, brown, more clay	r, with less sand.			
M 621.6	0.6	N		4	4 Total Dep	oth @ 4	feet bgs	I			

								Sample Name: PH14	Date:02/22/24		
				•				Site Name: BTA Rojo 38 41 Tank E			
			N	>	ΟΙ			Incident Number: nAPP21235550			
								Job Number: 03C2012032 / 03C2			
			0610		SAMPLING	GLOG		Logged By: TH/US	Method: Hydrovac		
Coord	inates: 32			-				Hole Diameter: 18 in	Total Depth: 4'		
					ith HACH Cl	nloride Test	Strips and	PID for chloride and vapor, respec			
			-		il to distilled		·				
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions			
м	1467	1331	Y	PH14	ـــــــــــــــــــــــــــــــــــــ	L 0.5	SP	(0'-1')Sand, dark brown, po present, and strong odor.	orly graded, sheen		
М	196	838.8	N		1	1	SP	(1'-2')Concrete mixed, silt a present, and strong odor.	and sand, sheen		
М	442.4	842.2	Ν	PH14	2	2	SP	(2'-3')Sand, fine, poorly graded, dark brown, little silt, sheen present, and strong odor.			
М	229.6	883.5	N		3	3	(3'-4')Poorly graded sand w brown, sheen present, and				
м	196	666.4	N	PH14	4	4 4 Total De	pth @ 4	feet bgs			

								Sample Name: PH15	Date:02/22/24		
								Site Name: BTA Rojo 38 41 Tank E			
			N	5	ΟΙ		Μ	Incident Number: nAPP21235550			
					_			Job Number: 03C2012032 / 03C20			
			0610		SAMPLING			Logged By: TH/US	Method: Hydrovac		
Coordi		2.08771,		-		. 100		Hole Diameter: 18 in	Total Depth: 4'		
					ith HACH Cl	nloride Test	Strips and	PID for chloride and vapor, respec	-		
			-		il to distilled			· · · · · · · · · · · · · · · · · · ·	,		
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions			
М	229.6	1214	N	PH15	0.5 _	L 0.5	SP-SM	(0'-1')Sand and silt, trace cl	ay, beige, poorly		
Μ	<168	975.6	N		1 _	1	SP-SC	graded, sheen presnet, and (1'-4')Fine sand with little c sheen present, and strong o	lay, poorly graded,		
М	<168	606.2	N	PH15	2	2					
м	<168	533.7	N		3	- - 3					
м	<168	28	N	PH15	4	4 Total De	oth @ 4	feet bgs	I		

								Sample Name: PH16	Date:02/22/24		
				C				Site Name: BTA Rojo 38 41 Tan			
			N	3		LU		Incident Number: nAPP212355			
								Job Number: 03C2012032 / 030			
		LITHOL	OGI		SAMPLING	G LOG		Logged By: TH/US	Method: Hydrovac		
Coordi	nates: 32	2.08771,	-103.	56522				Hole Diameter: 18 in	Total Depth: 4'		
					vith HACH Ch il to distilled		Strips and	PID for chloride and vapor, resp	ectively. Chloride test		
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions			
м	<168	966.4	Y	PH16	0.5 _	L 0.5	SP-SC	(0'-1')Fine sand with trace odor.	e clay, brown, strong		
М								(1'-2') Fine sand with trac odor.	e clay, brown, light		
М	<168	566.5	N		2	2	SP-SC	(2'-4') Fine sand with little present, and light odor.	e clay, brown, sheen		
М	<168	105.3	.05.3 N PH16 3 4 3								
м	<168	361.8	N	PH16	4	4 Total De	oth @ 4	feet bgs			

								Sample Name: PH17	Date:02/22/24
				C				Site Name: BTA Rojo 38 41 Tar	
			N	>	ΟΙ			Incident Number: nAPP21235	
								Job Number: 03C2012032 / 03	
		LITHOI	OGI		SAMPLING	GLOG		Logged By: TH/US	Method: Hydrovac
Coord	inates: 32			-				Hole Diameter: 18 in	Total Depth: 4'
					vith HACH Cl	nloride Test		PID for chloride and vapor, res	
perfor	med with	n 1:4 dilu	tion f	actor of so	il to distilled	water.			
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic	Descriptions
м	<168	355.5	N	PH17	ـــــــــــــــــــــــــــــــــــــ	L 0.5	CCHE-SF	(0'-1') Caliche and sand,	
М	<168	876.6	Ν		1	1	SP-SM	sand, sheen present, and (1'-2')Dark brown sand w graded, sheen present, a	vith little silt, poorly
М	<168	343.8	N		2	2			
м	<168	191.5	N		3	3	SP-SC	(3'-4') Poorly graded san brown, sheen present, a	d with little clay, dark nd strong odor.
м	235.2	350.2	N	PH17	4	– – 4 – Total De	pth @ 4	feet bgs	



# APPENDIX D

Laboratory Analytical Reports & Chain of Custody Documentation



May 17, 2023

HADLIE GREEN ENSOLUM 3122 NATIONAL PARKS HWY CARLSBAD, NM 88220

RE: ROJO 38 41 TANK BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 05/12/23 14:35.

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 <a href="https://www.tceq.texas.gov/field/ga/lab\_accred\_certif.html">www.tceq.texas.gov/field/ga/lab\_accred\_certif.html</a>.

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 HADLIE GREEN 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received:	05/12/2023	Sampling Date:	05/11/2023
Reported:	05/17/2023	Sampling Type:	Soil
Project Name:	ROJO 38 41 TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	03C2012032	Sample Received By:	Tamara Oldaker
Project Location:	BTA 32.08719,-103.56502		

### Sample ID: SS 01 0.5' (H232399-01)

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	05/15/2023	ND	2.32	116	2.00	6.49	
Toluene*	<0.050	0.050	05/15/2023	ND	2.31	115	2.00	5.99	
Ethylbenzene*	<0.050	0.050	05/15/2023	ND	2.27	114	2.00	6.05	
Total Xylenes*	<0.150	0.150	05/15/2023	ND	6.91	115	6.00	6.96	
Total BTEX	<0.300	0.300	05/15/2023	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	256	16.0	05/15/2023	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/15/2023	ND	205	103	200	4.83	
DRO >C10-C28*	56.9	10.0	05/15/2023	ND	180	89.8	200	2.91	
EXT DRO >C28-C36	<10.0	10.0	05/15/2023	ND					
Surrogate: 1-Chlorooctane	100	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	111 9	% 49.1-14	8						

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\*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM HADLIE GREEN 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received:	05/12/2023	Sampling Date:	05/11/2023
Reported:	05/17/2023	Sampling Type:	Soil
Project Name:	ROJO 38 41 TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	03C2012032	Sample Received By:	Tamara Oldaker
Project Location:	BTA 32.08719,-103.56502		

### Sample ID: SS 02 0.5' (H232399-02)

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	05/15/2023	ND	2.32	116	2.00	6.49	
Toluene*	<0.050	0.050	05/15/2023	ND	2.31	115	2.00	5.99	
Ethylbenzene*	<0.050	0.050	05/15/2023	ND	2.27	114	2.00	6.05	
Total Xylenes*	<0.150	0.150	05/15/2023	ND	6.91	115	6.00	6.96	
Total BTEX	<0.300	0.300	05/15/2023	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	05/15/2023	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	05/15/2023	ND	205	103	200	4.83	
DRO >C10-C28*	<10.0	10.0	05/15/2023	ND	180	89.8	200	2.91	
EXT DRO >C28-C36	<10.0	10.0	05/15/2023	ND					
Surrogate: 1-Chlorooctane	106	% 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 HADLIE GREEN 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received:	05/12/2023	Sampling Date:	05/11/2023
Reported:	05/17/2023	Sampling Type:	Soil
Project Name:	ROJO 38 41 TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	03C2012032	Sample Received By:	Tamara Oldaker
Project Location:	BTA 32.08719,-103.56502		

### Sample ID: SS 03 0.5' (H232399-03)

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	05/15/2023	ND	2.32	116	2.00	6.49	
Toluene*	<0.050	0.050	05/15/2023	ND	2.31	115	2.00	5.99	
Ethylbenzene*	<0.050	0.050	05/15/2023	ND	2.27	114	2.00	6.05	
Total Xylenes*	<0.150	0.150	05/15/2023	ND	6.91	115	6.00	6.96	
Total BTEX	<0.300	0.300	05/15/2023	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	192	16.0	05/15/2023	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	05/15/2023	ND	205	103	200	4.83	
DRO >C10-C28*	<10.0	10.0	05/15/2023	ND	180	89.8	200	2.91	
EXT DRO >C28-C36	<10.0	10.0	05/15/2023	ND					
Surrogate: 1-Chlorooctane	99.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	106	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



ENSOLUM HADLIE GREEN 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received:	05/12/2023	Sampling Date:	05/11/2023
Reported:	05/17/2023	Sampling Type:	Soil
Project Name:	ROJO 38 41 TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	03C2012032	Sample Received By:	Tamara Oldaker
Project Location:	BTA 32.08719,-103.56502		

### Sample ID: SS 04 0.5' (H232399-04)

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	05/15/2023	ND	2.32	116	2.00	6.49	
Toluene*	<0.050	0.050	05/15/2023	ND	2.31	115	2.00	5.99	
Ethylbenzene*	<0.050	0.050	05/15/2023	ND	2.27	114	2.00	6.05	
Total Xylenes*	<0.150	0.150	05/15/2023	ND	6.91	115	6.00	6.96	
Total BTEX	<0.300	0.300	05/15/2023	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	05/15/2023	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	05/15/2023	ND	205	103	200	4.83	
DRO >C10-C28*	<10.0	10.0	05/15/2023	ND	180	89.8	200	2.91	
EXT DRO >C28-C36	<10.0	10.0	05/15/2023	ND					
Surrogate: 1-Chlorooctane	95.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	106	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



ENSOLUM HADLIE GREEN 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received:	05/12/2023	Sampling Date:	05/11/2023
Reported:	05/17/2023	Sampling Type:	Soil
Project Name:	ROJO 38 41 TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	03C2012032	Sample Received By:	Tamara Oldaker
Project Location:	BTA 32.08719,-103.56502		

### Sample ID: SS 05 0.5' (H232399-05)

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	05/15/2023	ND	2.32	116	2.00	6.49	
Toluene*	<0.050	0.050	05/15/2023	ND	2.31	115	2.00	5.99	
Ethylbenzene*	<0.050	0.050	05/15/2023	ND	2.27	114	2.00	6.05	
Total Xylenes*	<0.150	0.150	05/15/2023	ND	6.91	115	6.00	6.96	
Total BTEX	<0.300	0.300	05/15/2023	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	05/15/2023	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	05/15/2023	ND	205	103	200	4.83	
DRO >C10-C28*	<10.0	10.0	05/15/2023	ND	180	89.8	200	2.91	
EXT DRO >C28-C36	<10.0	10.0	05/15/2023	ND					
Surrogate: 1-Chlorooctane	107	% 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 HADLIE GREEN 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received:	05/12/2023	Sampling Date:	05/11/2023
Reported:	05/17/2023	Sampling Type:	Soil
Project Name:	ROJO 38 41 TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	03C2012032	Sample Received By:	Tamara Oldaker
Project Location:	BTA 32.08719,-103.56502		

### Sample ID: SS 06 0.5' (H232399-06)

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	05/15/2023	ND	2.32	116	2.00	6.49	
Toluene*	<0.050	0.050	05/15/2023	ND	2.31	115	2.00	5.99	
Ethylbenzene*	<0.050	0.050	05/15/2023	ND	2.27	114	2.00	6.05	
Total Xylenes*	<0.150	0.150	05/15/2023	ND	6.91	115	6.00	6.96	
Total BTEX	<0.300	0.300	05/15/2023	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	272	16.0	05/15/2023	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	05/15/2023	ND	205	103	200	4.83	
DRO >C10-C28*	<10.0	10.0	05/15/2023	ND	180	89.8	200	2.91	
EXT DRO >C28-C36	<10.0	10.0	05/15/2023	ND					
Surrogate: 1-Chlorooctane	107	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	118	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



ENSOLUM HADLIE GREEN 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received:	05/12/2023	Sampling Date:	05/11/2023
Reported:	05/17/2023	Sampling Type:	Soil
Project Name:	ROJO 38 41 TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	03C2012032	Sample Received By:	Tamara Oldaker
Project Location:	BTA 32.08719,-103.56502		

### Sample ID: SS 07 0.5' (H232399-07)

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	05/15/2023	ND	2.32	116	2.00	6.49	
Toluene*	<0.050	0.050	05/15/2023	ND	2.31	115	2.00	5.99	
Ethylbenzene*	<0.050	0.050	05/15/2023	ND	2.27	114	2.00	6.05	
Total Xylenes*	<0.150	0.150	05/15/2023	ND	6.91	115	6.00	6.96	
Total BTEX	<0.300	0.300	05/15/2023	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	320	16.0	05/15/2023	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	05/15/2023	ND	205	103	200	4.83	
DRO >C10-C28*	<10.0	10.0	05/15/2023	ND	180	89.8	200	2.91	
EXT DRO >C28-C36	<10.0	10.0	05/15/2023	ND					
Surrogate: 1-Chlorooctane	94.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	104	% 49.1-14	8						

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM HADLIE GREEN 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received:	05/12/2023	Sampling Date:	05/11/2023
Reported:	05/17/2023	Sampling Type:	Soil
Project Name:	ROJO 38 41 TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	03C2012032	Sample Received By:	Tamara Oldaker
Project Location:	BTA 32.08719,-103.56502		

### Sample ID: SS 08 0.5' (H232399-08)

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	05/15/2023	ND	2.32	116	2.00	6.49	
Toluene*	<0.050	0.050	05/15/2023	ND	2.31	115	2.00	5.99	
Ethylbenzene*	<0.050	0.050	05/15/2023	ND	2.27	114	2.00	6.05	
Total Xylenes*	<0.150	0.150	05/15/2023	ND	6.91	115	6.00	6.96	
Total BTEX	<0.300	0.300	05/15/2023	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	528	16.0	05/15/2023	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	05/15/2023	ND	205	103	200	4.83	
DRO >C10-C28*	219	10.0	05/15/2023	ND	180	89.8	200	2.91	
EXT DRO >C28-C36	152	10.0	05/15/2023	ND					
Surrogate: 1-Chlorooctane	94.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	122	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



ENSOLUM HADLIE GREEN 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received:	05/12/2023	Sampling Date:	05/11/2023
Reported:	05/17/2023	Sampling Type:	Soil
Project Name:	ROJO 38 41 TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	03C2012032	Sample Received By:	Tamara Oldaker
Project Location:	BTA 32.08719,-103.56502		

### Sample ID: SS 09 0.5' (H232399-09)

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	05/15/2023	ND	2.32	116	2.00	6.49		
Toluene*	<0.050	0.050	05/15/2023	ND	2.31	115	2.00	5.99		
Ethylbenzene*	<0.050	0.050	05/15/2023	ND	2.27	114	2.00	6.05		
Total Xylenes*	<0.150	0.150	05/15/2023	ND	6.91	115	6.00	6.96		
Total BTEX	<0.300 0.300 05/15/2023		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	768	16.0	05/15/2023	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	05/15/2023	ND	205	103	200	4.83		
DRO >C10-C28*	<10.0	10.0	05/15/2023	ND	180	89.8	200	2.91		
EXT DRO >C28-C36	14.8	10.0	05/15/2023	ND						
Surrogate: 1-Chlorooctane	103 9	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 HADLIE GREEN 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received:	05/12/2023	Sampling Date:	05/11/2023
Reported:	05/17/2023	Sampling Type:	Soil
Project Name:	ROJO 38 41 TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	03C2012032	Sample Received By:	Tamara Oldaker
Project Location:	BTA 32.08719,-103.56502		

### Sample ID: SS 10 0.5' (H232399-10)

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	05/15/2023	ND	2.32	116	2.00	6.49		
Toluene*	<0.050	0.050	05/15/2023	ND	2.31	115	2.00	5.99	99	
Ethylbenzene*	<0.050	0.050	05/15/2023	ND	2.27	114	2.00	6.05		
Total Xylenes*	<0.150	0.150	05/15/2023	ND	6.91 115		6.00	6.96		
Total BTEX	<0.300	0.300	05/15/2023	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	144	16.0	05/15/2023	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	05/15/2023	ND	205	103	200	4.83		
DRO >C10-C28*	15.7	10.0	05/15/2023	ND	180	89.8	200	2.91		
EXT DRO >C28-C36	<10.0	10.0	05/15/2023	ND						
Surrogate: 1-Chlorooctane	96.9	% 48.2-13	4							
Surrogate: 1-Chlorooctadecane	108	% 49.1-14	8							

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



# **Notes and Definitions**

QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene, Lab Director/Quality Manager

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Delivered By: (Circle One) Observed Temp. °C XX Sampler - UPS - Bus - Other: Corrected Temp. °C XX	Date: Time:	MMM Time: 22.12-23	service. In no event shall Cardinal be liable for incidental or consequential damages, including without in affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, re- produced to the service of the service of the service of services of the service of the		V V V 0162 01	5509		7 5507	6 55000	3955 5			5502	2 502	5501 0.51	Lab I.D. Sample I.D. (feet) (G)RAB OR (C)O	FOR LAB USE ONLY MP.	Sampler Name: Ronni Hayes	Project Location: 32.08719, -103.56502	Project Name: Rojo 38 41 Tank Battery	Project #: 03C2012032 Project Owner: BTA O	Phone #: 432-557-8895 Fax #:	City: Carlsbad State: NM Zip: 88220	Address: 3122 National Parks Hwy	Project Manager: Hadlie Green	Company Name: Ensolum, LLC
Sample Condition CHECKED BY: Cool_Intact(Initials) Pres Pres Ves	Received By:	A Copy of Manual	e of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.	arising whether based in contract or fort, shall be limited to the amount paid by the client for the waived unless made in writing and received by Cardinal within 30 days after completion of the mainted of the second										× × × S/II/23	GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER : ACID/BASE:	MATRIX PRESERV.	Fax #:	Phone #: 432-312-2203	State: TX Zip: 79701 Phone #: 432-312-2203	BTA Oil Producers City: Midland	Address: 104 S Pecos St	38220 Attn: Kevin Jones	Company: BTA Oil	P.O. #:	BILL TO	
Turnaround Time: Standard M Bacteria (only) Sample Condition Thermometer ID #113 Cool Intact Observed Temp. °C Corrected Temp. °C Corrected Temp. °C		emailed. Please prov	seons or otherwise. Verbal Result:	d by the clean for the completion of the applicable such the mathematicable	1225 4 4 4		2121	1210	1205	1200	1155	il SD	1145 1 1 1 241	-	BTEX						St				ANALYSIS REQUEST	



June 06, 2023

HADLIE GREEN ENSOLUM 3122 NATIONAL PARKS HWY CARLSBAD, NM 88220

RE: ROJO 38 41 TANK BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 06/02/23 8:34.

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 <a href="https://www.tceq.texas.gov/field/ga/lab\_accred\_certif.html">www.tceq.texas.gov/field/ga/lab\_accred\_certif.html</a>.

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

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

Cardinal Laboratories is accredited through the State of New Mexico Environment Department for:

Method SM 9223-B	Total Coliform and E. coli (Colilert MMO-MUG)
Method EPA 524.2	Regulated VOCs and Total Trihalomethanes (TTHM)
Method EPA 552.2	Total Haloacetic Acids (HAA-5)

Accreditation applies to public drinking water matrices for State of Colorado and New Mexico.

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

Sincerely,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



ENSOLUM 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220	Project: Project Number: Project Manager: Fax To:		Reported: 06-Jun-23 16:38
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Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received	
SS 05 A 4'	H232791-01	Soil	31-May-23 09:50	02-Jun-23 08:34	
SS 06 A 4'	H232791-02	Soil	31-May-23 10:30	02-Jun-23 08:34	
SS 07 A 4'	H232791-03	Soil	31-May-23 11:10	02-Jun-23 08:34	
SS 08 A 4'	H232791-04	Soil	31-May-23 11:50	02-Jun-23 08:34	
SS 09 A 4'	H232791-05	Soil	31-May-23 12:30	02-Jun-23 08:34	
SS 10 A 4'	H232791-06	Soil	31-May-23 13:10	02-Jun-23 08:34	

06/06/23 - Client changed the sample IDs (see COC). This is the revised report and will replace the one sent earlier today 06/06/23.

### Cardinal Laboratories

### \*=Accredited Analyte

Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager

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# Analytical Results For:

ENSOLUM 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220	Project: ROJO 38 41 TANK BATTERY Project Number: 03C2012032 Project Manager: HADLIE GREEN Fax To:						Reported: 06-Jun-23 16:38			
				05 A 4' 791-01 (Se	oil)					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	tories					
Inorganic Compounds										
Chloride	<16.0		16.0	mg/kg	4	3060213	AC	02-Jun-23	4500-Cl-B	
Volatile Organic Compounds by	EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	3060219	MS	02-Jun-23	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	3060219	MS	02-Jun-23	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	3060219	MS	02-Jun-23	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	3060219	MS	02-Jun-23	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	3060219	MS	02-Jun-23	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			106 %	71.5	-134	3060219	MS	02-Jun-23	8021B	
Petroleum Hydrocarbons by GC	FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	3060205	MS	02-Jun-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3060205	MS	02-Jun-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3060205	MS	02-Jun-23	8015B	
Surrogate: 1-Chlorooctane			99.7 %	48.2	-134	3060205	MS	02-Jun-23	8015B	
Surrogate: 1-Chlorooctadecane			93.3 %	49.1	-148	3060205	MS	02-Jun-23	8015B	

### **Cardinal Laboratories**

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM 3122 NATIONAL PARKS HW CARLSBAD NM, 88220	Y	Project: ROJO 38 41 TANK BATTERY Repo Project Number: 03C2012032 06-Jun- Project Manager: HADLIE GREEN Fax To:								:38
				06 A 4' 791-02 (Se	oil)					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	tories					
<u>Inorganic Compounds</u> Chloride	64.0		16.0	mg/kg	4	3060213	AC	02-Jun-23	4500-Cl-B	
Volatile Organic Compounds I	oy EPA Method 8	8021								S-04
Benzene*	< 0.050		0.050	mg/kg	50	3060219	MS	05-Jun-23	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	3060219	MS	05-Jun-23	8021B	GC-NC
Ethylbenzene*	< 0.050		0.050	mg/kg	50	3060219	MS	05-Jun-23	8021B	GC-NC
Total Xylenes*	5.75		0.150	mg/kg	50	3060219	MS	05-Jun-23	8021B	GC-NC1
Total BTEX	5.75		0.300	mg/kg	50	3060219	MS	05-Jun-23	8021B	GC-NC1
Surrogate: 4-Bromofluorobenzene (PID)	)		427 %	71.5	-134	3060219	MS	05-Jun-23	8021B	
Petroleum Hydrocarbons by G	GC FID									S-04
GRO C6-C10*	321		10.0	mg/kg	1	3060205	MS	02-Jun-23	8015B	
DRO >C10-C28*	255		10.0	mg/kg	1	3060205	MS	02-Jun-23	8015B	
EXT DRO >C28-C36	337		10.0	mg/kg	1	3060205	MS	02-Jun-23	8015B	
Surrogate: 1-Chlorooctane			163 %	48.2	-134	3060205	MS	02-Jun-23	8015B	
Surrogate: 1-Chlorooctadecane			145 %	49.1	-148	3060205	MS	02-Jun-23	8015B	

#### **Cardinal Laboratories**

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220		<b>,</b>							Reported: )6-Jun-23 16	:38
				07 A 4' 791-03 (Se	oil)					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	tories					
Inorganic Compounds Chloride	192		16.0	mg/kg	4	3060213	AC	02-Jun-23	4500-Cl-B	
Volatile Organic Compounds by	EPA Method	8021								S-04
Benzene*	< 0.050		0.050	mg/kg	50	3060219	MS	05-Jun-23	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	3060219	MS	05-Jun-23	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	3060219	MS	05-Jun-23	8021B	GC-NC
Total Xylenes*	0.400		0.150	mg/kg	50	3060219	MS	05-Jun-23	8021B	GC-NC1
Total BTEX	0.400		0.300	mg/kg	50	3060219	MS	05-Jun-23	8021B	GC-NC1
Surrogate: 4-Bromofluorobenzene (PID)			151 %	71.5	-134	3060219	MS	05-Jun-23	8021B	
Petroleum Hydrocarbons by GC	FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	3060205	MS	02-Jun-23	8015B	
DRO >C10-C28*	49.9		10.0	mg/kg	1	3060205	MS	02-Jun-23	8015B	
EXT DRO >C28-C36	31.9		10.0	mg/kg	1	3060205	MS	02-Jun-23	8015B	
Surrogate: 1-Chlorooctane			104 %	48.2	-134	3060205	MS	02-Jun-23	8015B	
Surrogate: 1-Chlorooctadecane			96.5 %	49.1	-148	3060205	MS	02-Jun-23	8015B	

#### **Cardinal Laboratories**

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220		Project: ROJO 38 41 TANK BATTERY Reported: Project Number: 03C2012032 06-Jun-23 16: Project Manager: HADLIE GREEN Fax To:								38
				08 A - 4' 791-04 (Se	oil)					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	112		16.0	mg/kg	4	3060213	AC	02-Jun-23	4500-Cl-B	
Volatile Organic Compounds by	EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	3060219	MS	02-Jun-23	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	3060219	MS	02-Jun-23	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	3060219	MS	02-Jun-23	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	3060219	MS	02-Jun-23	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	3060219	MS	02-Jun-23	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			103 %	71.5	-134	3060219	MS	02-Jun-23	8021B	
Petroleum Hydrocarbons by GC	FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	3060214	MS	02-Jun-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3060214	MS	02-Jun-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3060214	MS	02-Jun-23	8015B	
Surrogate: 1-Chlorooctane			107 %	48.2	-134	3060214	MS	02-Jun-23	8015B	
Surrogate: 1-Chlorooctadecane			109 %	49.1	-148	3060214	MS	02-Jun-23	8015B	

#### **Cardinal Laboratories**

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220		Project: ROJO 38 41 TANK BATTERY Reported: Project Number: 03C2012032 06-Jun-23 16: Project Manager: HADLIE GREEN Fax To:								38
				09 A 4' 791-05 (Se	oil)					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	tories					
<u>Inorganic Compounds</u> Chloride	16.0		16.0	mg/kg	4	3060213	AC	02-Jun-23	4500-Cl-B	
Volatile Organic Compounds by	EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	3060219	MS	02-Jun-23	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	3060219	MS	02-Jun-23	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	3060219	MS	02-Jun-23	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	3060219	MS	02-Jun-23	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	3060219	MS	02-Jun-23	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			106 %	71.5	-134	3060219	MS	02-Jun-23	8021B	
Petroleum Hydrocarbons by GC	FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	3060214	MS	02-Jun-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3060214	MS	02-Jun-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3060214	MS	02-Jun-23	8015B	
Surrogate: 1-Chlorooctane			102 %	48.2	-134	3060214	MS	02-Jun-23	8015B	
Surrogate: 1-Chlorooctadecane			102 %	49.1	-148	3060214	MS	02-Jun-23	8015B	

#### **Cardinal Laboratories**

### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220		Project: ROJO 38 41 TANK BATTERY Reported: Project Number: 03C2012032 06-Jun-23 16:38 Project Manager: HADLIE GREEN Fax To:								38
				10 A 4' 791-06 (Se						
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Labora	tories					
<u>Inorganic Compounds</u> Chloride	16.0		16.0	mg/kg	4	3060213	AC	02-Jun-23	4500-Cl-B	
Volatile Organic Compounds by	EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	3060219	MS	02-Jun-23	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	3060219	MS	02-Jun-23	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	3060219	MS	02-Jun-23	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	3060219	MS	02-Jun-23	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	3060219	MS	02-Jun-23	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			107 %	71.5	-134	3060219	MS	02-Jun-23	8021B	
Petroleum Hydrocarbons by GC	C FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	3060214	MS	02-Jun-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3060214	MS	02-Jun-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3060214	MS	02-Jun-23	8015B	
Surrogate: 1-Chlorooctane			101 %	48.2	-134	3060214	MS	02-Jun-23	8015B	
Surrogate: 1-Chlorooctadecane			104 %	49.1	-148	3060214	MS	02-Jun-23	8015B	

#### **Cardinal Laboratories**

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220	Project: R Project Number: 0 Project Manager: H Fax To:		Reported: 06-Jun-23 16:38
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### **Inorganic Compounds - Quality Control**

Cardinal Laboratories										
Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 3060213 - 1:4 DI Water										
Blank (3060213-BLK1)	Prepared & Analyzed: 02-Jun-23									
Chloride	ND	16.0	mg/kg							
LCS (3060213-BS1)				Prepared &	& Analyzed:	02-Jun-23				
Chloride	416	16.0	mg/kg	400		104	80-120			
LCS Dup (3060213-BSD1)				Prepared &	& Analyzed:	02-Jun-23				
Chloride	416	16.0	mg/kg	400		104	80-120	0.00	20	

### Cardinal Laboratories

### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220	Project: Project Number: Project Manager: Fax To:	HADLIE GREEN	Reported: 06-Jun-23 16:38
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### Volatile Organic Compounds by EPA Method 8021 - Quality Control

Cardinal	l Laboratories	

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 3060219 - Volatiles										
Blank (3060219-BLK1)				Prepared &	Analyzed:	02-Jun-23				
Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							
Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	0.0520		mg/kg	0.0500		104	71.5-134			
LCS (3060219-BS1)				Prepared &	Analyzed:	02-Jun-23				
Benzene	2.19	0.050	mg/kg	2.00		109	81.4-118			
Toluene	2.26	0.050	mg/kg	2.00		113	88.7-121			
Ethylbenzene	2.49	0.050	mg/kg	2.00		124	86.1-120			BS-3
m,p-Xylene	4.87	0.100	mg/kg	4.00		122	88.2-124			
o-Xylene	2.42	0.050	mg/kg	2.00		121	84.9-118			BS-3
Total Xylenes	7.45	0.150	mg/kg	6.00		124	87.3-122			BS-3
Surrogate: 4-Bromofluorobenzene (PID)	0.0527		mg/kg	0.0500		105	71.5-134			
LCS Dup (3060219-BSD1)				Prepared &	Analyzed:	02-Jun-23				
Benzene	2.29	0.050	mg/kg	2.00		114	81.4-118	4.37	15.8	
Toluene	2.42	0.050	mg/kg	2.00		121	88.7-121	6.78	15.9	
Ethylbenzene	2.52	0.050	mg/kg	2.00		126	86.1-120	1.28	16	BS-3
m,p-Xylene	5.09	0.100	mg/kg	4.00		127	88.2-124	4.34	16.2	BS-3
o-Xylene	2.49	0.050	mg/kg	2.00		124	84.9-118	2.63	16.7	BS-3
Total Xylenes	7.58	0.150	mg/kg	6.00		126	87.3-122	1.63	16.3	BS-3
Surrogate: 4-Bromofluorobenzene (PID)	0.0528		mg/kg	0.0500		106	71.5-134			

### Cardinal Laboratories

### \*=Accredited Analyte

Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220	Project: Project Number: Project Manager: Fax To:		Reported: 06-Jun-23 16:38
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### Petroleum Hydrocarbons by GC FID - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 3060205 - General Prep - Organics										
Blank (3060205-BLK1)				Prepared &	Analyzed:	02-Jun-23				
GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	42.0		mg/kg	49.6		84.8	48.2-134			
Surrogate: 1-Chlorooctadecane	39.8		mg/kg	50.0		79.7	49.1-148			
LCS (3060205-BS1)				Prepared &	Analyzed:	02-Jun-23				
GRO C6-C10	194	10.0	mg/kg	200		96.9	78.5-124			
DRO >C10-C28	179	10.0	mg/kg	200		89.5	72.5-126			
Total TPH C6-C28	373	10.0	mg/kg	400		93.2	77.6-123			
Surrogate: 1-Chlorooctane	49.6		mg/kg	49.6		100	48.2-134			
Surrogate: 1-Chlorooctadecane	44.7		mg/kg	50.0		89.4	49.1-148			
LCS Dup (3060205-BSD1)				Prepared &	z Analyzed:	02-Jun-23				
GRO C6-C10	187	10.0	mg/kg	200		93.6	78.5-124	3.49	17.7	
DRO >C10-C28	172	10.0	mg/kg	200		86.0	72.5-126	3.98	21	
Total TPH C6-C28	359	10.0	mg/kg	400		89.8	77.6-123	3.72	18.5	
Surrogate: 1-Chlorooctane	47.4		mg/kg	49.6		95.6	48.2-134			
Surrogate: 1-Chlorooctadecane	42.7		mg/kg	50.0		85.4	49.1-148			

Blank (3060214-BLK1)				Prepared & Ana	lyzed: 02-Jun-23		
GRO C6-C10	ND	10.0	mg/kg				
DRO >C10-C28	ND	10.0	mg/kg				
EXT DRO >C28-C36	ND	10.0	mg/kg				
Surrogate: 1-Chlorooctane	44.2		mg/kg	49.6	89.2	48.2-134	
Surrogate: 1-Chlorooctadecane	45.4		mg/kg	50.0	90.8	49.1-148	

### Cardinal Laboratories

### \*=Accredited Analyte

Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220	Project: Project Number: Project Manager: Fax To:	HADLIE GREEN	Reported: 06-Jun-23 16:38
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### Petroleum Hydrocarbons by GC FID - Quality Control

# **Cardinal Laboratories**

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 3060214 - General Prep - Organics										
LCS (3060214-BS1)				Prepared &	Analyzed:	02-Jun-23				
GRO C6-C10	180	10.0	mg/kg	200		90.1	78.5-124			
DRO >C10-C28	171	10.0	mg/kg	200		85.4	72.5-126			
Total TPH C6-C28	351	10.0	mg/kg	400		87.8	77.6-123			
Surrogate: 1-Chlorooctane	50.7		mg/kg	49.6		102	48.2-134			
Surrogate: 1-Chlorooctadecane	49.7		mg/kg	50.0		99.4	49.1-148			
LCS Dup (3060214-BSD1)				Prepared &	Analyzed:	02-Jun-23				
GRO C6-C10	175	10.0	mg/kg	200		87.7	78.5-124	2.71	17.7	
DRO >C10-C28	177	10.0	mg/kg	200		88.3	72.5-126	3.35	21	
Total TPH C6-C28	352	10.0	mg/kg	400		88.0	77.6-123	0.282	18.5	
Surrogate: 1-Chlorooctane	48.6		mg/kg	49.6		98.2	48.2-134			
Surrogate: 1-Chlorooctadecane	47.8		mg/kg	50.0		95.6	49.1-148			

### **Cardinal Laboratories**

### \*=Accredited Analyte

Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



# **Notes and Definitions**

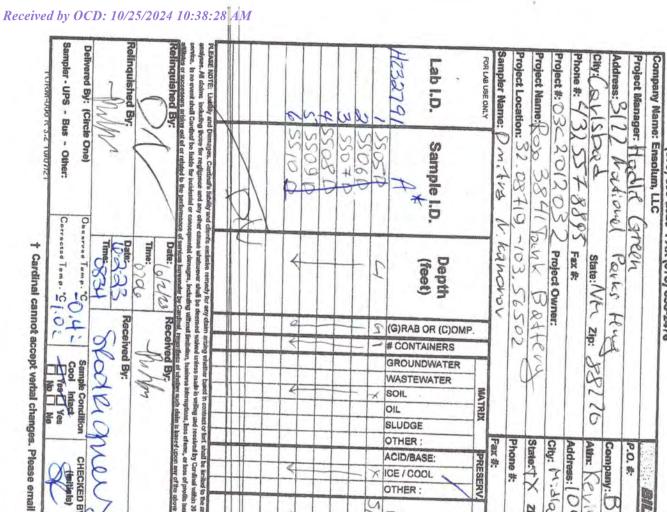
S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
GC-NC1	8260 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are biased high with interfering compounds.
GC-NC	8260 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are reported as ND.
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**

### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Page 14 of 14

101 East Marlan (575) 393-2326 ompany Name: Ensolum, LLC	101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476 : Ensolum, LLC			
0	arech	P.O. #	ANALYSIS	YSIS REQUEST
1115	Perks Hug	Company: BTA OI		
hone # (13) 557 XX9	State: VI Lip: JJ L L JA	VIN JONES		
roject #: 03 ~ 2012 03	1 Owner	Address: 10 YJ, recy JA		
Đ	Battery	10.00	2	
olect Location: 32. DX 710	4	State: 7 X Zp: 49401		
mitra	Orov	Phone #:		
OR LAB USE ONLY	MATRIX	PRESERV SAMPLING		
ah ID Samala ID	C)OMP R (C)OMP NERS	7	EX 1 OR	
2	(G)RAB O # CONTAI GROUNDI WASTEW SOIL DIL SLUDGE DTHER :	ACID/BASI CE / COOL DTHER : DATE	B7 TPI CHL	
Sos	1 ×	× 5/3/130	-	
0 ± 022 K		0501 1 1030		
SSO		1110		
Ø 6055 S		1130		
0 0/55/0	*	V V 1310	V e V	
15: Luddity and Demages, Cardinal's liability and o	Clinife are links assauld for any data			
claims inclusing those for negligance and any other vevent shall Cordnal be fable for incidentiel or cons coessors artistig out of or reluted to the performance	ever shall be deemed voived unless source or ges, including without Emilation, business intern greunder by Cardinol, resautors of whether sur	numi se invised to the amount paid by the client for ind by Cardinal within 30 days after completion of th see, or loss of profils incurred by client, its subsidiant	lhe o applicable ien,	
	Received By:	Verbal Result: All Results are	Verbal Result: I Yes I No Add'Phone #: All Results are emailed. Please provide Email address:	lesult:
	Time: 8:34 Received By:	AND	anyle ID changel a	changed as per thed lie. catalas
plar - UPS - Bus - Other: Co	Contracted Tomp. "C , O C Trees No. "Contract."	CHECKED BY: Turnaround Time: (tellials) Thermometer ID #1	e: Standard X	Bacteria (only) Sample Condition Cool Infact Observed Temp, °C



January 16, 2024

HADLIE GREEN

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: ROJO 38-41 WELL PAD

Enclosed are the results of analyses for samples received by the laboratory on 01/11/24 14:34.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. 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 <a href="https://www.tceq.texas.gov/field/qa/lab\_accred\_certif.html">www.tceq.texas.gov/field/qa/lab\_accred\_certif.html</a>.

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

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

Cardinal Laboratories is accredited through the State of New Mexico Environment Department for:

Method SM 9223-B	Total Coliform and E. coli (Colilert MMO-MUG)
Method EPA 524.2	Regulated VOCs and Total Trihalomethanes (TTHM)
Method EPA 552.2	Total Haloacetic Acids (HAA-5)

Accreditation applies to public drinking water matrices for State of Colorado and New Mexico.

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

Sincerely,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: Project Number: Project Manager: Fax To:		Reported: 16-Jan-24 15:37
--	--	--	------------------------------

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SS 30	H240135-01	Soil	11-Jan-24 11:48	11-Jan-24 14:34
SS 31	H240135-02	Soil	11-Jan-24 11:50	11-Jan-24 14:34
SS 32	H240135-03	Soil	11-Jan-24 11:52	11-Jan-24 14:34
SS 33	H240135-04	Soil	11-Jan-24 11:53	11-Jan-24 14:34
SS 34	H240135-05	Soil	11-Jan-24 11:54	11-Jan-24 14:34
SS 35	H240135-06	Soil	11-Jan-24 11:56	11-Jan-24 14:34
SS 36	H240135-07	Soil	11-Jan-24 11:57	11-Jan-24 14:34
SS 37	H240135-08	Soil	11-Jan-24 11:58	11-Jan-24 14:34
SS 38	H240135-09	Soil	11-Jan-24 11:59	11-Jan-24 14:34
SS 39	H240135-10	Soil	11-Jan-24 12:00	11-Jan-24 14:34

Samples -32, -34, -37, -38 and -39 had water from cooler in them. Results may be affected.

### Cardinal Laboratories

### \*=Accredited Analyte

Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM, LLCProject:ROJO 38-41 WELL PADReported:705 W WADLEY AVE.Project Number:03C201208816-Jan-24 15:37MIDLAND TX, 79705Project Manager:HADLIE GREENFax To:										37
				SS 30	<b>.</b>					
			H2401	135-01 (Se	)11)					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Labora	tories					
Inorganic Compounds										
Chloride	304		16.0	mg/kg	4	4011511	HM	15-Jan-24	4500-Cl-B	
Volatile Organic Compounds by	EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	4011234	Л	13-Jan-24	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	4011234	ЛН	13-Jan-24	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4011234	ЛН	13-Jan-24	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	4011234	ЛН	13-Jan-24	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	4011234	ЛН	13-Jan-24	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			96.8 %	71.5	-134	4011234	JH	13-Jan-24	8021B	
Petroleum Hydrocarbons by GC	C FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4011217	MS	12-Jan-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4011217	MS	12-Jan-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4011217	MS	12-Jan-24	8015B	
Surrogate: 1-Chlorooctane			90.5 %	48.2	-134	4011217	MS	12-Jan-24	8015B	
Surrogate: 1-Chlorooctadecane			92.2 %	49.1	-148	4011217	MS	12-Jan-24	8015B	

### **Cardinal Laboratories**

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705			Project Num Project Mana	ber: 03C				1	Reported: 6-Jan-24 15:	37
				SS 31 135-02 (Se	oil)					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	tories					
Inorganic Compounds			16.0			4011511	10.6	15.1 . 04	4500 CL D	
Chloride	480		16.0	mg/kg	4	4011511	HM	15-Jan-24	4500-Cl-B	
Volatile Organic Compounds	by EPA Method 8	8021								
Benzene*	< 0.050		0.050	mg/kg	50	4011234	JH	13-Jan-24	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	4011234	JH	13-Jan-24	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4011234	JH	13-Jan-24	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	4011234	JH	13-Jan-24	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	4011234	JH	13-Jan-24	8021B	
Surrogate: 4-Bromofluorobenzene (PII	))		97.4 %	71.5	-134	4011234	JH	13-Jan-24	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4011217	MS	12-Jan-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4011217	MS	12-Jan-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4011217	MS	12-Jan-24	8015B	
Surrogate: 1-Chlorooctane			86.1 %	48.2	-134	4011217	MS	12-Jan-24	8015B	
Surrogate: 1-Chlorooctadecane			90.0 %	49.1	-148	4011217	MS	12-Jan-24	8015B	

### **Cardinal Laboratories**

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705			Project Num Project Mana	ber: 03C				1	Reported: 16-Jan-24 15::	37
				SS 32 135-03 (Se	oil)					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	tories					
Inorganic Compounds										
Chloride	32.0		16.0	mg/kg	4	4011511	HM	15-Jan-24	4500-Cl-B	
Volatile Organic Compounds	by EPA Method 80	21								
Benzene*	< 0.050		0.050	mg/kg	50	4011234	JH	13-Jan-24	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	4011234	JH	13-Jan-24	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4011234	JH	13-Jan-24	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	4011234	JH	13-Jan-24	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	4011234	JH	13-Jan-24	8021B	
Surrogate: 4-Bromofluorobenzene (PII	))		96.9 %	71.5	-134	4011234	ЈН	13-Jan-24	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4011217	MS	13-Jan-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4011217	MS	13-Jan-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4011217	MS	13-Jan-24	8015B	
Surrogate: 1-Chlorooctane			91.8 %	48.2	-134	4011217	MS	13-Jan-24	8015B	
Surrogate: 1-Chlorooctadecane			96.6 %	49.1	-148	4011217	MS	13-Jan-24	8015B	

### **Cardinal Laboratories**

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM, LLCProject:ROJO 38-41 WELL PADReported:705 W WADLEY AVE.Project Number:03C201208816-Jan-24 15:37MIDLAND TX, 79705Project Manager:HADLIE GREENFax To:										
				SS 33 135-04 (So	oil)					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	368		16.0	mg/kg	4	4011511	HM	15-Jan-24	4500-Cl-B	
Volatile Organic Compounds by	y EPA Method	8021								S-04
Benzene*	15.3		1.00	mg/kg	1000	4011208	ЛН	12-Jan-24	8021B	QM-07, QR-03
Toluene*	102		1.00	mg/kg	1000	4011208	JH	12-Jan-24	8021B	QM-07, QR-03
Ethylbenzene*	20.4		1.00	mg/kg	1000	4011208	JH	12-Jan-24	8021B	QM-07
Total Xylenes*	247		3.00	mg/kg	1000	4011208	ЛН	12-Jan-24	8021B	QM-07, QR-03
Total BTEX	384		6.00	mg/kg	1000	4011208	ЈН	12-Jan-24	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			143 %	71.5	-134	4011208	ЈН	12-Jan-24	8021B	
Petroleum Hydrocarbons by Go	C FID									S-06
GRO C6-C10*	9740		50.0	mg/kg	5	4011217	MS	13-Jan-24	8015B	
DRO >C10-C28*	16300		50.0	mg/kg	5	4011217	MS	13-Jan-24	8015B	
EXT DRO >C28-C36	2580		50.0	mg/kg	5	4011217	MS	13-Jan-24	8015B	
Surrogate: 1-Chlorooctane			697 %	48.2	-134	4011217	MS	13-Jan-24	8015B	
Surrogate: 1-Chlorooctadecane			348 %	49.1	-148	4011217	MS	13-Jan-24	8015B	

### **Cardinal Laboratories**

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705			oject Nun oject Mana	ber: 03C	O 38-41 W 2012088 DLIE GREEN			1	Reported: 16-Jan-24 15::	37
			H240	SS 34 135-05 (So	oil)					
Analyte	Result	R MDL	eporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	al Laborat	ories					
Inorganic Compounds										
Chloride	1300		16.0	mg/kg	4	4011511	HM	15-Jan-24	4500-Cl-B	
Volatile Organic Compounds	s by EPA Method 802	1								
Benzene*	< 0.050		0.050	mg/kg	50	4011208	ЛН	12-Jan-24	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	4011208	JH	12-Jan-24	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4011208	JH	12-Jan-24	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	4011208	ЛН	12-Jan-24	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	4011208	ЛН	12-Jan-24	8021B	
Surrogate: 4-Bromofluorobenzene (PI	D)		98.4 %	71.5	-134	4011208	ЛН	12-Jan-24	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4011218	MS	12-Jan-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4011218	MS	12-Jan-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4011218	MS	12-Jan-24	8015B	
Surrogate: 1-Chlorooctane			90.8 %	48.2	-134	4011218	MS	12-Jan-24	8015B	
Surrogate: 1-Chlorooctadecane			81.8 %	49.1	-148	4011218	MS	12-Jan-24	8015B	

#### **Cardinal Laboratories**

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705			Project Num Project Mana	ber: 03C				1	Reported: 16-Jan-24 15:	37
				SS 35 135-06 (Se	oil)					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
<u>Inorganic Compounds</u> Chloride	64.0		16.0	mg/kg	4	4011511	HM	15-Jan-24	4500-Cl-B	
Volatile Organic Compounds	by EPA Method 8	3021								
Benzene*	< 0.050		0.050	mg/kg	50	4011208	JH	12-Jan-24	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	4011208	JH	12-Jan-24	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4011208	JH	12-Jan-24	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	4011208	JH	12-Jan-24	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	4011208	ЛН	12-Jan-24	8021B	
Surrogate: 4-Bromofluorobenzene (PL	D)		97.8 %	71.5	-134	4011208	ЛН	12-Jan-24	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4011218	MS	12-Jan-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4011218	MS	12-Jan-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4011218	MS	12-Jan-24	8015B	
Surrogate: 1-Chlorooctane			92.0 %	48.2	-134	4011218	MS	12-Jan-24	8015B	
Surrogate: 1-Chlorooctadecane			81.9 %	49.1	-148	4011218	MS	12-Jan-24	8015B	

### **Cardinal Laboratories**

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705			Project Num Project Mana	ber: 03C				1	Reported: 16-Jan-24 15:	37
				SS 36 135-07 (Se	oil)					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Laborat	ories					
Inorganic Compounds Chloride	112		16.0	mg/kg	4	4011511	HM	15-Jan-24	4500-Cl-B	
Volatile Organic Compound		2021	10.0	ing/kg	·	1011011	111/1	15 5411 2 1	1500 61 15	
Benzene*	<0.050	0021	0.050	mg/kg	50	4011208	ЛН	12-Jan-24	8021B	
Toluene*	0.053		0.050	mg/kg	50	4011208	Л	12-Jan-24	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4011208	ЛН	12-Jan-24	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	4011208	ЛН	12-Jan-24	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	4011208	ЛН	12-Jan-24	8021B	
Surrogate: 4-Bromofluorobenzene (P.	ID)		<i>98.3 %</i>	71.5	-134	4011208	ЛН	12-Jan-24	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4011218	MS	12-Jan-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4011218	MS	12-Jan-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4011218	MS	12-Jan-24	8015B	
Surrogate: 1-Chlorooctane			93.2 %	48.2	-134	4011218	MS	12-Jan-24	8015B	
Surrogate: 1-Chlorooctadecane			85.2 %	49.1	-148	4011218	MS	12-Jan-24	8015B	

### Cardinal Laboratories

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705			Project Num Project Mana	ber: 03C				1	Reported: 6-Jan-24 15:	37
				SS 37 135-08 (Se	oil)					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds Chloride	1440		16.0	mg/kg	4	4011511	HM	15-Jan-24	4500-Cl-B	
Volatile Organic Compounds b	y EPA Method	8021								
Benzene*	5.69		1.00	mg/kg	1000	4011208	JH	12-Jan-24	8021B	
Toluene*	48.0		1.00	mg/kg	1000	4011208	JH	12-Jan-24	8021B	
Ethylbenzene*	10.6		1.00	mg/kg	1000	4011208	JH	12-Jan-24	8021B	
Total Xylenes*	132		3.00	mg/kg	1000	4011208	JH	12-Jan-24	8021B	
Total BTEX	196		6.00	mg/kg	1000	4011208	JH	12-Jan-24	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			119 %	71.5	-134	4011208	ЈН	12-Jan-24	8021B	
Petroleum Hydrocarbons by G	C FID									S-04
GRO C6-C10*	4450		10.0	mg/kg	1	4011218	MS	12-Jan-24	8015B	
DRO >C10-C28*	6790		10.0	mg/kg	1	4011218	MS	12-Jan-24	8015B	
EXT DRO >C28-C36	1210		10.0	mg/kg	1	4011218	MS	12-Jan-24	8015B	
Surrogate: 1-Chlorooctane			389 %	48.2	-134	4011218	MS	12-Jan-24	8015B	
Surrogate: 1-Chlorooctadecane			157 %	49.1	-148	4011218	MS	12-Jan-24	8015B	

### **Cardinal Laboratories**

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705			Project Num Project Mana	ber: 03C				1	Reported: 16-Jan-24 15:	37
				SS 38 135-09 (Se	oil)					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	tories					
Inorganic Compounds										
Chloride	608		16.0	mg/kg	4	4011511	HM	15-Jan-24	4500-Cl-B	
Volatile Organic Compounds b	y EPA Method	8021								
Benzene*	21.4		1.00	mg/kg	1000	4011208	JH	12-Jan-24	8021B	
Toluene*	132		1.00	mg/kg	1000	4011208	JH	12-Jan-24	8021B	
Ethylbenzene*	21.1		1.00	mg/kg	1000	4011208	JH	12-Jan-24	8021B	
Total Xylenes*	268		3.00	mg/kg	1000	4011208	JH	12-Jan-24	8021B	
Total BTEX	443		6.00	mg/kg	1000	4011208	JH	12-Jan-24	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			125 %	71.5	-134	4011208	ЛН	12-Jan-24	8021B	
<u>Petroleum Hydrocarbons by G</u>	C FID									S-06
GRO C6-C10*	13200		50.0	mg/kg	5	4011218	MS	13-Jan-24	8015B	
DRO >C10-C28*	17000		50.0	mg/kg	5	4011218	MS	13-Jan-24	8015B	
EXT DRO >C28-C36	4240		50.0	mg/kg	5	4011218	MS	13-Jan-24	8015B	
Surrogate: 1-Chlorooctane			953 %	48.2	-134	4011218	MS	13-Jan-24	8015B	
Surrogate: 1-Chlorooctadecane			343 %	49.1	-148	4011218	MS	13-Jan-24	8015B	

### **Cardinal Laboratories**

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705			Project Num Project Mana	ber: 03C				1	Reported: 6-Jan-24 15:	37
				SS 39 135-10 (Se	oil)					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	tories					
Inorganic Compounds										
Chloride	880		16.0	mg/kg	4	4011511	HM	15-Jan-24	4500-Cl-B	
Volatile Organic Compounds	by EPA Method 8	8021								
Benzene*	29.1		1.00	mg/kg	1000	4011208	JH	12-Jan-24	8021B	
Toluene*	168		1.00	mg/kg	1000	4011208	JH	12-Jan-24	8021B	
Ethylbenzene*	23.7		1.00	mg/kg	1000	4011208	ЛН	12-Jan-24	8021B	
Total Xylenes*	301		3.00	mg/kg	1000	4011208	JH	12-Jan-24	8021B	
Total BTEX	522		6.00	mg/kg	1000	4011208	JH	12-Jan-24	8021B	
Surrogate: 4-Bromofluorobenzene (PIL	))		128 %	71.5	-134	4011208	JH	12-Jan-24	8021B	
Petroleum Hydrocarbons by	GC FID									S-06
GRO C6-C10*	9670		50.0	mg/kg	5	4011218	MS	13-Jan-24	8015B	
DRO >C10-C28*	10900		50.0	mg/kg	5	4011218	MS	13-Jan-24	8015B	
EXT DRO >C28-C36	1840		50.0	mg/kg	5	4011218	MS	13-Jan-24	8015B	
Surrogate: 1-Chlorooctane			549 %	48.2	-134	4011218	MS	13-Jan-24	8015B	
Surrogate: 1-Chlorooctadecane			221 %	49.1	-148	4011218	MS	13-Jan-24	8015B	

### **Cardinal Laboratories**

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM, LLCProject:ROJO 38-41 WELL PADReported:705 W WADLEY AVE.Project Number:03C201208816-Jan-24 15:3MIDLAND TX, 79705Project Manager:HADLIE GREENFax To:
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### **Inorganic Compounds - Quality Control**

#### **Cardinal Laboratories** RPD Spike %REC Reporting Source %REC Analyte Result Limit Units Level Result Limits RPD Limit Notes Batch 4011511 - 1:4 DI Water Blank (4011511-BLK1) Prepared & Analyzed: 15-Jan-24 Chloride ND 16.0 mg/kg LCS (4011511-BS1) Prepared & Analyzed: 15-Jan-24 Chloride 464 400 116 80-120 16.0 mg/kg LCS Dup (4011511-BSD1) Prepared & Analyzed: 15-Jan-24 Chloride 464 16.0 mg/kg 400 116 80-120 0.00 20

### Cardinal Laboratories

### \*=Accredited Analyte

Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: Project Number: Project Manager: Fax To:		Reported: 16-Jan-24 15:37
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### Volatile Organic Compounds by EPA Method 8021 - Quality Control

Cardinal	Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4011208 - Volatiles										
Blank (4011208-BLK1)				Prepared &	Analyzed:	12-Jan-24				
Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							
Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	ND		mg/kg	0.0500		97.8	71.5-134			
LCS (4011208-BS1)				Prepared &	Analyzed:	12-Jan-24				
Benzene	2.13	0.050	mg/kg	2.00		107	82.8-130			
Toluene	2.12	0.050	mg/kg	2.00		106	86-128			
Ethylbenzene	2.12	0.050	mg/kg	2.00		106	85.9-128			
m,p-Xylene	4.12	0.100	mg/kg	4.00		103	89-129			
o-Xylene	2.06	0.050	mg/kg	2.00		103	86.1-125			
Total Xylenes	6.18	0.150	mg/kg	6.00		103	88.2-128			
Surrogate: 4-Bromofluorobenzene (PID)	0.0489		mg/kg	0.0500		97.8	71.5-134			
LCS Dup (4011208-BSD1)				Prepared &	Analyzed:	12-Jan-24				
Benzene	2.15	0.050	mg/kg	2.00		107	82.8-130	0.824	15.8	
Toluene	2.14	0.050	mg/kg	2.00		107	86-128	1.05	15.9	
Ethylbenzene	2.14	0.050	mg/kg	2.00		107	85.9-128	1.14	16	
m,p-Xylene	4.17	0.100	mg/kg	4.00		104	89-129	1.15	16.2	
o-Xylene	2.08	0.050	mg/kg	2.00		104	86.1-125	1.14	16.7	
Total Xylenes	6.25	0.150	mg/kg	6.00		104	88.2-128	1.15	16.3	
Surrogate: 4-Bromofluorobenzene (PID)	0.0484		mg/kg	0.0500		96.8	71.5-134			

# Batch 4011234 - Volatiles

Blank (4011234-BLK1)			Prepared & Analyzed: 12-Jan-24
Benzene	ND	0.050	mg/kg
Toluene	ND	0.050	mg/kg
Ethylbenzene	ND	0.050	mg/kg
Total Xylenes	ND	0.150	mg/kg

### Cardinal Laboratories

### \*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any daim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence ar any other cause whitstoewer 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 damage 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 su 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 Lobaratories.

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: F Project Number: ( Project Manager: F Fax To:		Reported: 16-Jan-24 15:37
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### Volatile Organic Compounds by EPA Method 8021 - Quality Control

# **Cardinal Laboratories**

		Denert		C 11	Source		%REC		RPD	
A	D14	Reporting	Units	Spike Level		0/DEC		RPD		Nutra
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 4011234 - Volatiles										
Blank (4011234-BLK1)				Prepared &	Analyzed:	12-Jan-24				
Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	ND		mg/kg	0.0500		97.1	71.5-134			
LCS (4011234-BS1)				Prepared &	Analyzed:	12-Jan-24				
Benzene	2.21	0.050	mg/kg	2.00		111	82.8-130			
Toluene	2.21	0.050	mg/kg	2.00		111	86-128			
Ethylbenzene	2.21	0.050	mg/kg	2.00		110	85.9-128			
m,p-Xylene	4.31	0.100	mg/kg	4.00		108	89-129			
o-Xylene	2.14	0.050	mg/kg	2.00		107	86.1-125			
Total Xylenes	6.45	0.150	mg/kg	6.00		107	88.2-128			
Surrogate: 4-Bromofluorobenzene (PID)	0.0489		mg/kg	0.0500		97.7	71.5-134			
LCS Dup (4011234-BSD1)				Prepared &	z Analyzed:	12-Jan-24				
Benzene	2.14	0.050	mg/kg	2.00		107	82.8-130	3.10	15.8	
Toluene	2.14	0.050	mg/kg	2.00		107	86-128	3.16	15.9	
Ethylbenzene	2.13	0.050	mg/kg	2.00		106	85.9-128	3.58	16	
m,p-Xylene	4.15	0.100	mg/kg	4.00		104	89-129	3.74	16.2	
o-Xylene	2.08	0.050	mg/kg	2.00		104	86.1-125	2.63	16.7	
Total Xylenes	6.23	0.150	mg/kg	6.00		104	88.2-128	3.37	16.3	
Surrogate: 4-Bromofluorobenzene (PID)	0.0490		mg/kg	0.0500		98.0	71.5-134			

### **Cardinal Laboratories**

### \*=Accredited Analyte

Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: Project Number: Project Manager: Fax To:		Reported: 16-Jan-24 15:37
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### Petroleum Hydrocarbons by GC FID - Quality Control

Calumai Laboratories	Cardinal	Laboratories
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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4011217 - General Prep - Organics										
Blank (4011217-BLK1)				Prepared &	Analyzed:	12-Jan-24				
GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	44.4		mg/kg	50.0		88.7	48.2-134			
Surrogate: 1-Chlorooctadecane	45.2		mg/kg	50.0		90.4	49.1-148			
LCS (4011217-BS1)				Prepared &	Analyzed:	12-Jan-24				
GRO C6-C10	181	10.0	mg/kg	200		90.3	66.4-123			
DRO >C10-C28	176	10.0	mg/kg	200		88.0	66.5-118			
Total TPH C6-C28	357	10.0	mg/kg	400		89.1	77.6-123			
Surrogate: 1-Chlorooctane	46.6		mg/kg	50.0		93.3	48.2-134			
Surrogate: 1-Chlorooctadecane	47.4		mg/kg	50.0		94.7	49.1-148			
LCS Dup (4011217-BSD1)				Prepared &	Analyzed:	12-Jan-24				
GRO C6-C10	183	10.0	mg/kg	200		91.4	66.4-123	1.24	17.7	
DRO >C10-C28	151	10.0	mg/kg	200		75.5	66.5-118	15.4	21	
Total TPH C6-C28	334	10.0	mg/kg	400		83.4	77.6-123	6.63	18.5	
Surrogate: 1-Chlorooctane	47.9		mg/kg	50.0		95.9	48.2-134			
Surrogate: 1-Chlorooctadecane	48.2		mg/kg	50.0		96.5	49.1-148			
Batch 4011218 - General Prep - Organics										
Blank (4011218-BLK1)				Prepared &	Analyzed:	12-Jan-24				

Blank (4011218-BLK1)					Prepared & Analyzed:	12-Jan-24	
	GRO C6-C10	ND	10.0	mg/kg			
	DRO >C10-C28	ND	10.0	mg/kg			
	EXT DRO >C28-C36	ND	10.0	mg/kg			
	Surrogate: 1-Chlorooctane	43.6		mg/kg	50.0	87.2	48.2-134
	Surrogate: 1-Chlorooctadecane	39.4		mg/kg	50.0	78.8	49.1-148

### **Cardinal Laboratories**

### \*=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: ROJO 38-41 WELL PAD Project Number: 03C2012088 Project Manager: HADLIE GREEN Fax To:	Reported: 16-Jan-24 15:37
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### Petroleum Hydrocarbons by GC FID - Quality Control

# **Cardinal Laboratories**

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 4011218 - General Prep - Organics										
LCS (4011218-BS1)				Prepared &	Analyzed:	12-Jan-24				
GRO C6-C10	187	10.0	mg/kg	200		93.3	66.4-123			
DRO >C10-C28	179	10.0	mg/kg	200		89.5	66.5-118			
Total TPH C6-C28	366	10.0	mg/kg	400		91.4	77.6-123			
Surrogate: 1-Chlorooctane	46.2		mg/kg	50.0		92.3	48.2-134			
Surrogate: 1-Chlorooctadecane	41.0		mg/kg	50.0		82.0	49.1-148			
LCS Dup (4011218-BSD1)				Prepared &	Analyzed:	12-Jan-24				
GRO C6-C10	190	10.0	mg/kg	200		94.9	66.4-123	1.72	17.7	
DRO >C10-C28	179	10.0	mg/kg	200		89.4	66.5-118	0.112	21	
Total TPH C6-C28	369	10.0	mg/kg	400		92.2	77.6-123	0.828	18.5	
Surrogate: 1-Chlorooctane	47.0		mg/kg	50.0		94.0	48.2-134			
Surrogate: 1-Chlorooctadecane	41.5		mg/kg	50.0		83.1	49.1-148			

### **Cardinal Laboratories**

### \*=Accredited Analyte

Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



# **Notes and Definitions**

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

### Cardinal Laboratories

### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

Time:     Time:       Delivered By:     (Circle One)     Observed Temp. °C     Samp       Compler - UPS - Bus - Other:     Corrected Temp. °C     Could to the samp       Point Contract on the same     Contract on the same     Could to the same       Point Contract on the same     Contract on the same     Could to the same	Date:	Hayan Halins including those for negliginee and any other cause whicheve intrody for any data analysis of Carlos which analysis of Carlos which and the carlos whicheve intrody for any	DWATER	LaDOratories 101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476 Company Name: Encoded Project Manager: Hadrice Green Address: 601 N. Marica Seld St. SFE400
e: I Temp. °C 9 Sample Condition CHECKED BY: I Temp. °C 0 Vintact (Initials) I Temp. °C 0 Ves Ves Ves Ves Ves Correction Factor 0°C	in toss of use, or loss of profits incurred by or in the based upon any of the above stated re	ad in contrad or for shall be made at 111 (211) 12 (201) add in contrad or for shall be made at 111 (211) 12 (201) add in contrad or for shall be made at 111 (211) 12 (201) add in contrad or for shall be made at 111 (211) 12 (201) add in contrad or for shall be made at 111 (211) 12 (201) add in contrad or for shall be made at 111 (211) 12 (201) add in contrad or for shall be made at 111 (211) 12 (201) add in contrad or for shall be made at 111 (211) 12 (201) add in contrad or for shall be made at 111 (211) 12 (201) add in contrad or for shall be made at 111 (211) 12 (201) add in contrad or for shall be made at 111 (211) 12 (201) add in contrad or for shall be made at 111 (211) 12 (201) add in contrad or for shall be made at 111 (211) 12 (201) add in contrad or for shall be made at 111 (211) 12 (201) add in contrad or for shall be made at 111 (211) 12 (201) 12	Address: 164 S Pequed Address: 164 S Pequed State: TN zip: 4940 Phone #: Fax #: MATRIX PRESERV. SAMPLING	BILL TO
Standard Bacteria (only) Sample Condition Cool Intact Observed Temp. °C	lient, is subsidiaries, some or otherwise, Verbal Result: Ver Q No Add'I Phone #: All Results are emailed. Piecec provide Email address: REMARKS.	X TPH X X Chlori		I-OF-CUSTODY AND ANALYSIS REQUEST

2



February 01, 2024

HADLIE GREEN ENSOLUM 3122 NATIONAL PARKS HWY CARLSBAD, NM 88220

RE: ROJO 38 41 TANK BATTERY / ROJO 38-41 WELL PAD

Enclosed are the results of analyses for samples received by the laboratory on 01/30/24 13:18.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. 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 <a href="https://www.tceq.texas.gov/field/ga/lab\_accred\_certif.html">www.tceq.texas.gov/field/ga/lab\_accred\_certif.html</a>.

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 HADLIE GREEN 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received:	01/30/2024	Sampling Date:	01/29/2024
Reported:	02/01/2024	Sampling Type:	Soil
Project Name:	ROJO 38 41 TANK BATTERY / ROJO 38-4	Sampling Condition:	Cool & Intact
Project Number:	03C2012032/03C2012088	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA		

### Sample ID: SS 11 0.5' (H240409-01)

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	01/30/2024	ND	1.97	98.3	2.00	9.61	
Toluene*	<0.050	0.050	01/30/2024	ND	1.97	98.6	2.00	10.2	
Ethylbenzene*	<0.050	0.050	01/30/2024	ND	1.97	98.5	2.00	10.3	
Total Xylenes*	<0.150	0.150	01/30/2024	ND	6.05	101	6.00	9.19	
Total BTEX	<0.300	0.300	01/30/2024	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	01/31/2024	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	Qualifie
GRO C6-C10*	<10.0	10.0	01/30/2024	ND	240	120	200	18.5	
DRO >C10-C28*	31.6	10.0	01/30/2024	ND	238	119	200	19.5	
EXT DRO >C28-C36	<10.0	10.0	01/30/2024	ND					
Surrogate: 1-Chlorooctane	98.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	92.8	% 49.1-14	0						

### Cardinal Laboratories

\*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM HADLIE GREEN 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received:	01/30/2024	Sampling Date:	01/29/2024
Reported:	02/01/2024	Sampling Type:	Soil
Project Name:	ROJO 38 41 TANK BATTERY / ROJO 38-4	Sampling Condition:	Cool & Intact
Project Number:	03C2012032/03C2012088	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA		

### Sample ID: SS 12 0.5' (H240409-02)

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	01/30/2024	ND	1.97	98.3	2.00	9.61	
Toluene*	<0.050	0.050	01/30/2024	ND	1.97	98.6	2.00	10.2	
Ethylbenzene*	<0.050	0.050	01/30/2024	ND	1.97	98.5	2.00	10.3	
Total Xylenes*	<0.150	0.150	01/30/2024	ND	6.05	101	6.00	9.19	
Total BTEX	<0.300	0.300	01/30/2024	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	64.0	16.0	01/31/2024	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	01/30/2024	ND	240	120	200	18.5	
DRO >C10-C28*	13.2	10.0	01/30/2024	ND	238	119	200	19.5	
EXT DRO >C28-C36	<10.0	10.0	01/30/2024	ND					
Surrogate: 1-Chlorooctane	80.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	74.7	% 49.1-14	8						

#### Cardinal Laboratories

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM HADLIE GREEN 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received:	01/30/2024	Sampling Date:	01/29/2024
Reported:	02/01/2024	Sampling Type:	Soil
Project Name:	ROJO 38 41 TANK BATTERY / ROJO 38-4	Sampling Condition:	Cool & Intact
Project Number:	03C2012032/03C2012088	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA		

### Sample ID: SS 13 0.5' (H240409-03)

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	01/30/2024	ND	1.97	98.3	2.00	9.61	
Toluene*	<0.050	0.050	01/30/2024	ND	1.97	98.6	2.00	10.2	
Ethylbenzene*	<0.050	0.050	01/30/2024	ND	1.97	98.5	2.00	10.3	
Total Xylenes*	<0.150	0.150	01/30/2024	ND	6.05	101	6.00	9.19	
Total BTEX	<0.300	0.300	01/30/2024	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	01/31/2024	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	01/30/2024	ND	240	120	200	18.5	
DRO >C10-C28*	21.3	10.0	01/30/2024	ND	238	119	200	19.5	
EXT DRO >C28-C36	<10.0	10.0	01/30/2024	ND					
Surrogate: 1-Chlorooctane	99.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	91.3	% 49.1-14	8						

#### Cardinal Laboratories

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM HADLIE GREEN 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received:	01/30/2024	Sampling Date:	01/29/2024
Reported:	02/01/2024	Sampling Type:	Soil
Project Name:	ROJO 38 41 TANK BATTERY / ROJO 38-4	Sampling Condition:	Cool & Intact
Project Number:	03C2012032/03C2012088	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA		

### Sample ID: SS 14 0.5' (H240409-04)

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	01/30/2024	ND	1.97	98.3	2.00	9.61	
Toluene*	<0.050	0.050	01/30/2024	ND	1.97	98.6	2.00	10.2	
Ethylbenzene*	<0.050	0.050	01/30/2024	ND	1.97	98.5	2.00	10.3	
Total Xylenes*	<0.150	0.150	01/30/2024	ND	6.05	101	6.00	9.19	
Total BTEX	<0.300	0.300	01/30/2024	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	01/31/2024	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	01/30/2024	ND	240	120	200	18.5	
DRO >C10-C28*	11.3	10.0	01/30/2024	ND	238	119	200	19.5	
EXT DRO >C28-C36	<10.0	10.0	01/30/2024	ND					
Surrogate: 1-Chlorooctane	76.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	70.0	% 49.1-14	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM HADLIE GREEN 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received:	01/30/2024	Sampling Date:	01/29/2024
Reported:	02/01/2024	Sampling Type:	Soil
Project Name:	ROJO 38 41 TANK BATTERY / ROJO 38-4	Sampling Condition:	Cool & Intact
Project Number:	03C2012032/03C2012088	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA		

### Sample ID: SS 15 0.5' (H240409-05)

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	01/30/2024	ND	1.97	98.3	2.00	9.61	
Toluene*	<0.050	0.050	01/30/2024	ND	1.97	98.6	2.00	10.2	
Ethylbenzene*	<0.050	0.050	01/30/2024	ND	1.97	98.5	2.00	10.3	
Total Xylenes*	<0.150	0.150	01/30/2024	ND	6.05	101	6.00	9.19	
Total BTEX	<0.300	0.300	01/30/2024	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	01/31/2024	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	01/31/2024	ND	240	120	200	18.5	
DRO >C10-C28*	26.9	10.0	01/31/2024	ND	238	119	200	19.5	
EXT DRO >C28-C36	<10.0	10.0	01/31/2024	ND					
Surrogate: 1-Chlorooctane	122	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	117 9	% 49.1-14	8						

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ENSOLUM HADLIE GREEN 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received:	01/30/2024	Sampling Date:	01/29/2024
Reported:	02/01/2024	Sampling Type:	Soil
Project Name:	ROJO 38 41 TANK BATTERY / ROJO 38-4	Sampling Condition:	Cool & Intact
Project Number:	03C2012032/03C2012088	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA		

### Sample ID: SS 16 0.5' (H240409-06)

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	01/30/2024	ND	1.97	98.3	2.00	9.61	
Toluene*	<0.050	0.050	01/30/2024	ND	1.97	98.6	2.00	10.2	
Ethylbenzene*	<0.050	0.050	01/30/2024	ND	1.97	98.5	2.00	10.3	
Total Xylenes*	<0.150	0.150	01/30/2024	ND	6.05	101	6.00	9.19	
Total BTEX	<0.300	0.300	01/30/2024	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	192	16.0	01/31/2024	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	01/30/2024	ND	240	120	200	18.5	
DRO >C10-C28*	<10.0	10.0	01/30/2024	ND	238	119	200	19.5	
EXT DRO >C28-C36	<10.0	10.0	01/30/2024	ND					
Surrogate: 1-Chlorooctane	106	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	96.9	% 49.1-14	8						

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ENSOLUM HADLIE GREEN 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received:	01/30/2024	Sampling Date:	01/29/2024
Reported:	02/01/2024	Sampling Type:	Soil
Project Name:	ROJO 38 41 TANK BATTERY / ROJO 38-4	Sampling Condition:	Cool & Intact
Project Number:	03C2012032/03C2012088	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA		

### Sample ID: SS 17 0.5' (H240409-07)

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	01/30/2024	ND	1.97	98.3	2.00	9.61	
Toluene*	<0.050	0.050	01/30/2024	ND	1.97	98.6	2.00	10.2	
Ethylbenzene*	<0.050	0.050	01/30/2024	ND	1.97	98.5	2.00	10.3	
Total Xylenes*	<0.150	0.150	01/30/2024	ND	6.05	101	6.00	9.19	
Total BTEX	<0.300	0.300	01/30/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	01/31/2024	ND	432	108	400	7.14	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/30/2024	ND	240	120	200	18.5	
DRO >C10-C28*	<10.0	10.0	01/30/2024	ND	238	119	200	19.5	
EXT DRO >C28-C36	<10.0	10.0	01/30/2024	ND					
Surrogate: 1-Chlorooctane	101	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	92.4	% 49.1-14	8						

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Received:	01/30/2024	Sampling Date:	01/29/2024
Reported:	02/01/2024	Sampling Type:	Soil
Project Name:	ROJO 38 41 TANK BATTERY / ROJO 38-4	Sampling Condition:	Cool & Intact
Project Number:	03C2012032/03C2012088	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA		

### Sample ID: SS 18 0.5' (H240409-08)

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	01/30/2024	ND	1.97	98.3	2.00	9.61	
Toluene*	<0.050	0.050	01/30/2024	ND	1.97	98.6	2.00	10.2	
Ethylbenzene*	<0.050	0.050	01/30/2024	ND	1.97	98.5	2.00	10.3	
Total Xylenes*	<0.150	0.150	01/30/2024	ND	6.05	101	6.00	9.19	
Total BTEX	<0.300	0.300	01/30/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	'kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	01/31/2024	ND	432	108	400	7.14	
TPH 8015M	mg,	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/30/2024	ND	240	120	200	18.5	
DRO >C10-C28*	<10.0	10.0	01/30/2024	ND	238	119	200	19.5	
EXT DRO >C28-C36	<10.0	10.0	01/30/2024	ND					
Surrogate: 1-Chlorooctane	83.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	76.3	% 49.1-14	8						

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Received:	01/30/2024	Sampling Date:	01/29/2024
Reported:	02/01/2024	Sampling Type:	Soil
Project Name:	ROJO 38 41 TANK BATTERY / ROJO 38-4	Sampling Condition:	Cool & Intact
Project Number:	03C2012032/03C2012088	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA		

### Sample ID: SS 19 0.5' (H240409-09)

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	01/30/2024	ND	1.97	98.3	2.00	9.61	
Toluene*	<0.050	0.050	01/30/2024	ND	1.97	98.6	2.00	10.2	
Ethylbenzene*	<0.050	0.050	01/30/2024	ND	1.97	98.5	2.00	10.3	
Total Xylenes*	<0.150	0.150	01/30/2024	ND	6.05	101	6.00	9.19	
Total BTEX	<0.300	0.300	01/30/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	ed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	01/31/2024	ND	432	108	400	7.14	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/30/2024	ND	240	120	200	18.5	
DRO >C10-C28*	<10.0	10.0	01/30/2024	ND	238	119	200	19.5	
EXT DRO >C28-C36	<10.0	10.0	01/30/2024	ND					
Surrogate: 1-Chlorooctane	102	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	92.6	% 49.1-14	8						

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ENSOLUM HADLIE GREEN 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received:	01/30/2024	Sampling Date:	01/29/2024
Reported:	02/01/2024	Sampling Type:	Soil
Project Name:	ROJO 38 41 TANK BATTERY / ROJO 38-4	Sampling Condition:	Cool & Intact
Project Number:	03C2012032/03C2012088	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA		

### Sample ID: SS 20 0.5' (H240409-10)

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	01/30/2024	ND	1.97	98.3	2.00	9.61	
Toluene*	<0.050	0.050	01/30/2024	ND	1.97	98.6	2.00	10.2	
Ethylbenzene*	<0.050	0.050	01/30/2024	ND	1.97	98.5	2.00	10.3	
Total Xylenes*	<0.150	0.150	01/30/2024	ND	6.05	101	6.00	9.19	
Total BTEX	<0.300	0.300	01/30/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	01/31/2024	ND	432	108	400	7.14	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/30/2024	ND	240	120	200	18.5	
DRO >C10-C28*	<10.0	10.0	01/30/2024	ND	238	119	200	19.5	
EXT DRO >C28-C36	<10.0	10.0	01/30/2024	ND					
Surrogate: 1-Chlorooctane	84.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	76.5	% 49.1-14	8						

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ENSOLUM HADLIE GREEN 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received:	01/30/2024	Sampling Date:	01/29/2024
Reported:	02/01/2024	Sampling Type:	Soil
Project Name:	ROJO 38 41 TANK BATTERY / ROJO 38-4	Sampling Condition:	Cool & Intact
Project Number:	03C2012032/03C2012088	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA		

### Sample ID: SS 21 0.5' (H240409-11)

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	01/30/2024	ND	1.97	98.3	2.00	9.61	
Toluene*	<0.050	0.050	01/30/2024	ND	1.97	98.6	2.00	10.2	
Ethylbenzene*	<0.050	0.050	01/30/2024	ND	1.97	98.5	2.00	10.3	
Total Xylenes*	<0.150	0.150	01/30/2024	ND	6.05	101	6.00	9.19	
Total BTEX	<0.300	0.300	01/30/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	01/31/2024	ND	432	108	400	7.14	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/30/2024	ND	240	120	200	18.5	
DRO >C10-C28*	<10.0	10.0	01/30/2024	ND	238	119	200	19.5	
EXT DRO >C28-C36	<10.0	10.0	01/30/2024	ND					
Surrogate: 1-Chlorooctane	94.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	85.9	% 49.1-14	8						

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ENSOLUM HADLIE GREEN 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received:	01/30/2024	Sampling Date:	01/29/2024
Reported:	02/01/2024	Sampling Type:	Soil
Project Name:	ROJO 38 41 TANK BATTERY / ROJO 38-4	Sampling Condition:	Cool & Intact
Project Number:	03C2012032/03C2012088	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA		

### Sample ID: SS 22 0.5' (H240409-12)

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	01/31/2024	ND	2.11	105	2.00	0.496	
Toluene*	<0.050	0.050	01/31/2024	ND	2.09	105	2.00	0.277	
Ethylbenzene*	<0.050	0.050	01/31/2024	ND	2.07	104	2.00	0.458	
Total Xylenes*	<0.150	0.150	01/31/2024	ND	6.07	101	6.00	0.494	
Total BTEX	<0.300	0.300	01/31/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.7	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	'kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	01/31/2024	ND	432	108	400	7.14	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/30/2024	ND	240	120	200	18.5	
DRO >C10-C28*	<10.0	10.0	01/30/2024	ND	238	119	200	19.5	
EXT DRO >C28-C36	<10.0	10.0	01/30/2024	ND					
Surrogate: 1-Chlorooctane	98.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	89.7	% 49.1-14	8						

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ENSOLUM HADLIE GREEN 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received:	01/30/2024	Sampling Date:	01/29/2024
Reported:	02/01/2024	Sampling Type:	Soil
Project Name:	ROJO 38 41 TANK BATTERY / ROJO 38-4	Sampling Condition:	Cool & Intact
Project Number:	03C2012032/03C2012088	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA		

### Sample ID: SS 23 0.5' (H240409-13)

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	01/31/2024	ND	2.11	105	2.00	0.496	
Toluene*	<0.050	0.050	01/31/2024	ND	2.09	105	2.00	0.277	
Ethylbenzene*	<0.050	0.050	01/31/2024	ND	2.07	104	2.00	0.458	
Total Xylenes*	<0.150	0.150	01/31/2024	ND	6.07	101	6.00	0.494	
Total BTEX	<0.300	0.300	01/31/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	01/31/2024	ND	432	108	400	7.14	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/30/2024	ND	240	120	200	18.5	
DRO >C10-C28*	<10.0	10.0	01/30/2024	ND	238	119	200	19.5	
EXT DRO >C28-C36	<10.0	10.0	01/30/2024	ND					
Surrogate: 1-Chlorooctane	97.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	90.9	% 49.1-14	8						

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Received:	01/30/2024	Sampling Date:	01/29/2024
Reported:	02/01/2024	Sampling Type:	Soil
Project Name:	ROJO 38 41 TANK BATTERY / ROJO 38-4	Sampling Condition:	Cool & Intact
Project Number:	03C2012032/03C2012088	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA		

### Sample ID: SS 24 0.5' (H240409-14)

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	01/31/2024	ND	2.11	105	2.00	0.496	
Toluene*	<0.050	0.050	01/31/2024	ND	2.09	105	2.00	0.277	
Ethylbenzene*	<0.050	0.050	01/31/2024	ND	2.07	104	2.00	0.458	
Total Xylenes*	<0.150	0.150	01/31/2024	ND	6.07	101	6.00	0.494	
Total BTEX	<0.300	0.300	01/31/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.7	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	01/31/2024	ND	432	108	400	7.14	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/30/2024	ND	240	120	200	18.5	
DRO >C10-C28*	<10.0	10.0	01/30/2024	ND	238	119	200	19.5	
EXT DRO >C28-C36	<10.0	10.0	01/30/2024	ND					
Surrogate: 1-Chlorooctane	109 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	104 9	% 49.1-14	8						

#### Cardinal Laboratories

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM HADLIE GREEN 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received:	01/30/2024	Sampling Date:	01/29/2024
Reported:	02/01/2024	Sampling Type:	Soil
Project Name:	ROJO 38 41 TANK BATTERY / ROJO 38-4	Sampling Condition:	Cool & Intact
Project Number:	03C2012032/03C2012088	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA		

### Sample ID: SS 25 0.5' (H240409-15)

BTEX 8021B	mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/31/2024	ND	2.11	105	2.00	0.496	
Toluene*	<0.050	0.050	01/31/2024	ND	2.09	105	2.00	0.277	
Ethylbenzene*	<0.050	0.050	01/31/2024	ND	2.07	104	2.00	0.458	
Total Xylenes*	<0.150	0.150	01/31/2024	ND	6.07	101	6.00	0.494	
Total BTEX	<0.300	0.300	01/31/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.2	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	01/31/2024	ND	432	108	400	7.14	
TPH 8015M	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/30/2024	ND	240	120	200	18.5	
DRO >C10-C28*	<10.0	10.0	01/30/2024	ND	238	119	200	19.5	
EXT DRO >C28-C36	<10.0	10.0	01/30/2024	ND					
Surrogate: 1-Chlorooctane	132 9	48.2-13	4						
Surrogate: 1-Chlorooctadecane	123 9	% 49.1-14	8						

#### Cardinal Laboratories

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM HADLIE GREEN 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received:	01/30/2024	Sampling Date:	01/29/2024
Reported:	02/01/2024	Sampling Type:	Soil
Project Name:	ROJO 38 41 TANK BATTERY / ROJO 38-4	Sampling Condition:	Cool & Intact
Project Number:	03C2012032/03C2012088	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA		

### Sample ID: SS 26 0.5' (H240409-16)

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	01/31/2024	ND	2.11	105	2.00	0.496	
Toluene*	<0.050	0.050	01/31/2024	ND	2.09	105	2.00	0.277	
Ethylbenzene*	<0.050	0.050	01/31/2024	ND	2.07	104	2.00	0.458	
Total Xylenes*	<0.150	0.150	01/31/2024	ND	6.07	101	6.00	0.494	
Total BTEX	<0.300	0.300	01/31/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.3	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	01/31/2024	ND	432	108	400	7.14	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/30/2024	ND	201	101	200	0.352	
DRO >C10-C28*	<10.0	10.0	01/30/2024	ND	220	110	200	0.682	
EXT DRO >C28-C36	<10.0	10.0	01/30/2024	ND					
Surrogate: 1-Chlorooctane	109 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	98.4	% 49.1-14	8						

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\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM HADLIE GREEN 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received:	01/30/2024	Sampling Date:	01/29/2024
Reported:	02/01/2024	Sampling Type:	Soil
Project Name:	ROJO 38 41 TANK BATTERY / ROJO 38-4	Sampling Condition:	Cool & Intact
Project Number:	03C2012032/03C2012088	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA		

### Sample ID: SS 27 0.5' (H240409-17)

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	01/31/2024	ND	2.11	105	2.00	0.496	
Toluene*	<0.050	0.050	01/31/2024	ND	2.09	105	2.00	0.277	
Ethylbenzene*	<0.050	0.050	01/31/2024	ND	2.07	104	2.00	0.458	
Total Xylenes*	<0.150	0.150	01/31/2024	ND	6.07	101	6.00	0.494	
Total BTEX	<0.300	0.300	01/31/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.7	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	01/31/2024	ND	432	108	400	7.14	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/30/2024	ND	201	101	200	0.352	
DRO >C10-C28*	<10.0	10.0	01/30/2024	ND	220	110	200	0.682	
EXT DRO >C28-C36	<10.0	10.0	01/30/2024	ND					
Surrogate: 1-Chlorooctane	106	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	95.5	% 49.1-14	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM HADLIE GREEN 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received:	01/30/2024	Sampling Date:	01/29/2024
Reported:	02/01/2024	Sampling Type:	Soil
Project Name:	ROJO 38 41 TANK BATTERY / ROJO 38-4	Sampling Condition:	Cool & Intact
Project Number:	03C2012032/03C2012088	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA		

### Sample ID: SS 28 0.5' (H240409-18)

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	01/31/2024	ND	2.11	105	2.00	0.496	
Toluene*	<0.050	0.050	01/31/2024	ND	2.09	105	2.00	0.277	
Ethylbenzene*	<0.050	0.050	01/31/2024	ND	2.07	104	2.00	0.458	
Total Xylenes*	<0.150	0.150	01/31/2024	ND	6.07	101	6.00	0.494	
Total BTEX	<0.300	0.300	01/31/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.3	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	01/31/2024	ND	432	108	400	7.14	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/30/2024	ND	201	101	200	0.352	
DRO >C10-C28*	<10.0	10.0	01/30/2024	ND	220	110	200	0.682	
EXT DRO >C28-C36	<10.0	10.0	01/30/2024	ND					
Surrogate: 1-Chlorooctane	124 9	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 HADLIE GREEN 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received:	01/30/2024	Sampling Date:	01/29/2024
Reported:	02/01/2024	Sampling Type:	Soil
Project Name:	ROJO 38 41 TANK BATTERY / ROJO 38-4	Sampling Condition:	Cool & Intact
Project Number:	03C2012032/03C2012088	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA		

### Sample ID: SS 29 0.5' (H240409-19)

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	01/31/2024	ND	2.11	105	2.00	0.496	
Toluene*	<0.050	0.050	01/31/2024	ND	2.09	105	2.00	0.277	
Ethylbenzene*	<0.050	0.050	01/31/2024	ND	2.07	104	2.00	0.458	
Total Xylenes*	<0.150	0.150	01/31/2024	ND	6.07	101	6.00	0.494	
Total BTEX	<0.300	0.300	01/31/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.1	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/31/2024	ND	432	108	400	7.14	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/30/2024	ND	201	101	200	0.352	
DRO >C10-C28*	<10.0	10.0	01/30/2024	ND	220	110	200	0.682	
EXT DRO >C28-C36	<10.0	10.0	01/30/2024	ND					
Surrogate: 1-Chlorooctane	110 9	48.2-13	4						
Surrogate: 1-Chlorooctadecane	101 9	% 49.1-14	8						

### Cardinal Laboratories

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



### **Notes and Definitions**

S-05	The surrogate recovery is outside of lab established statistical control limits but still within method limits. Data is not adversely affected.
S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QR-04	The RPD for the BS/BSD was outside of historical limits.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
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**

### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

### Laboratories 101 East Marland, Hobbs, NM 88240

Company Name:

Ensolum, LLC

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

Project Manager: Hadlie Green

P.O. #:

BILL TO

ANALYSIS

REQUEST

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 22 of 23

### **Relinquished By:** Relinguished By: 友4040月 Sampler Name: Connor Whitman Phone #: 432 557-8895 City: Project Location: Project Name: Rojo 38 41 Tank Battery / Rojo 38-41 Well Pad Project #:03C2012032 / 03C2012088 Address: 3122 National Parks Hwy 5 F 0 6 we 1 FOR LAB USE ONLY Lab I.D. δ es, All claims inclu In no event shall Cardinal NOTE: Carlsbad the uding those for negligenc 22 10 516 514 515 Sample I.D. 615 2150 5 be liable for 513 215 20 other Pate 30. 1 Project Owner: BTA Sample Depth Fax #: Date: Time: State: NM 5.0 (feet) **Received By:** Received By G) (G)RAB OR (C)OMP Zip: 88220 Sho ~ H CONTAINERS GROUNDWATER WASTEWATER made in writing and rec MATRIX SOIL OIL SLUDGE 085 OTHER Fax #: State: TX city: Midland Phone #: Attn: Kelton Beaird Company: BTA Oil Address: 104 S Pecos of use, or loss of profits wed by Cardinal within 30 days after ACID/BASE PRESERV ICE / COOL OTHER Zip: 1/29/24 DATE : 79701 SAMPLING client, its sub All Results are emailed. Please provide Email address: REMARKS: Verbal Result: 055 1050 1035 1050 130 5601 040 025 020 510 St HGreen@ensolum.com TIME pletion of the app licable □ Yes hloride BTEX I No Add'l Phone #:

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

Received by	OCD:	10/25/2024	10:38:28 AM
-------------	------	------------	-------------

Sampler - UPS - Bus - Other:

Delivered By: (Circle One)

Observed Temp. 0.9:

Temp. "C

Sample Condition Cool Intact Yes Ves No No No

CHECKED BY:

Turnaround Time:

mometer ID #113

Rush #140

Cool Intact

Bacteria (only) Sample Condition

Observed Temp. °C Corrected Temp. °C nAPP2123555001 / nAPP2400854443

(Initials)

Time:

## ories

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

20

	(575) 393-2326 FAX (575) 393-2476	X (575) 393-2476			ANALYSIS RECUEST
Company Name:	Ensolum, LLC			BILL TO	
Project Manager: Hadlie Green	: Hadlie Green			P.O. #:	
Address: 3122 1	Address: 3122 National Parks Hwy	Y		Company: BTA Oil	
city: Carlsbad	Ω.	State: NM Zip:	88220	Attn: Kelton Beaird	
0 #	432 557-8895	Fax #:		Address: 104 S Pecos	ls St
Project #:03C201	Project #:03C2012032 / 03C2012088	Project Owner: BTA		city: Midland	
Project Name: Rojo 38 41	ojo 38 41 Tank Ba	Tank Battery / Rojo 38-41 Well Pad		State: TX Zip: 79701	
Project Location:				Phone #:	
Sampler Name: (	Sampler Name: Connor Whitman			Fax #:	
FOR LAB USE ONLY			MATRIX	PRESERV. SAM	SAMPLING
Lab I.D.	Sample I.D.	(feet) (G)RAB OR (C)OMP.	# CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE	OTHER : ACID/BASE: ICE / COOL OTHER : DATE	TPH CHLORID BTEX
	5521	0,5 6	_	1/29/2	1135
2	5522				1140
ūs	1523				
ţ	5524				1250
J.	5525				
110	3526				1200
Ĩ	5527				12.05
A,	5528				1210
6	5529	Y V	V 1		1215
PLEASE NOTE: Liability and analyses. All claims including	PLEASE NOTE: Labbity and Damages. Cardinal's labbity and client's exclusive remody for any claim areing whether based in contracts into, shall be limited in the amount paid by the client for the grappear. All claims including those for negligance and any other cause whatoower has dronked winked unless made in writing and teceived by Cardinal within 90 days after completion of the applicable grappear. All claims including those for negligance and any other cause whatoower has dronked winked unless made in writing and teceived by Cardinal within 90 days after completion of the applicable grappear. All claims including those for negligance and any other cause whatoower has dronked winked without does of loss of profits incurred by client, its subaidaries,	r cause whatsoever shall be deen	aim arising whether based in contract ned waived unless made in writing an or a limite from business interrubtions.	contract or fort, shall be limited to the amount riting and received by Cardinal within 30 days a unitors, loss of use, or loss of profits incurred t	
Relinquished By	neing out of or related to the performance BY: BY:	Time: 1310	Received By:	or whether such claim is based upon any or the more same By:	Verbal Result:  Yes No  Add'I Phone #: All Results are emailed. Please provide Email address: HGreen@ensolum.com
Relinquished By:	Y:	Date: R	Received By:	0	55001 / nAPP24008
Delivered By: (Circle One)		Observed Temp. "C. 92	0 %	(Initials)	me: Standard Discussion (out) of Bacteria (out)
Sampler - UPS - Bus - Other:		Corrected Tamp. T	I No No	- XXC	Correction Factor Corrected Temp. "C

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



February 29, 2024

HADLIE GREEN ENSOLUM, LLC 705 W WADLEY AVE.

MIDLAND, TX 79705

RE: BTA ROJO 38 41 TANK BATTERY/WELL PAD

Enclosed are the results of analyses for samples received by the laboratory on 02/23/24 11:26.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. 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 <a href="https://www.tceq.texas.gov/field/qa/lab\_accred\_certif.html">www.tceq.texas.gov/field/qa/lab\_accred\_certif.html</a>.

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:	02/23/2024	Sampling Date:	02/20/2024
Reported:	02/29/2024	Sampling Type:	Soil
Project Name:	BTA ROJO 38 41 TANK BATTERY/WELL F	Sampling Condition:	Cool & Intact
Project Number:	03C2012032/03C2012088	Sample Received By:	Dionica Hinojos
Project Location:	NOT GIVEN		

### Sample ID: PH01 0.5' (H240903-01)

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	02/26/2024	ND	1.92	96.0	2.00	3.00	
Toluene*	<0.050	0.050	02/26/2024	ND	1.99	99.7	2.00	0.934	
Ethylbenzene*	<0.050	0.050	02/26/2024	ND	1.99	99.4	2.00	0.940	
Total Xylenes*	<0.150	0.150	02/26/2024	ND	6.05	101	6.00	0.475	
Total BTEX	<0.300	0.300	02/26/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	113 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Chloride	64.0	16.0	02/27/2024	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	Qualifie
GRO C6-C10*	<10.0	10.0	02/26/2024	ND	202	101	200	3.07	
DRO >C10-C28*	<10.0	10.0	02/26/2024	ND	199	99.7	200	2.76	
EXT DRO >C28-C36	<10.0	10.0	02/26/2024	ND					
Surrogate: 1-Chlorooctane	89.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	84.7	% 49.1-14	0						

### 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:	02/23/2024	Sampling Date:	02/20/2024
Reported:	02/29/2024	Sampling Type:	Soil
Project Name:	BTA ROJO 38 41 TANK BATTERY/WELL F	Sampling Condition:	Cool & Intact
Project Number:	03C2012032/03C2012088	Sample Received By:	Dionica Hinojos
Project Location:	NOT GIVEN		

### Sample ID: PH01 4' (H240903-02)

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	02/26/2024	ND	1.92	96.0	2.00	3.00	
Toluene*	<0.050	0.050	02/26/2024	ND	1.99	99.7	2.00	0.934	
Ethylbenzene*	<0.050	0.050	02/26/2024	ND	1.99	99.4	2.00	0.940	
Total Xylenes*	<0.150	0.150	02/26/2024	ND	6.05	101	6.00	0.475	
Total BTEX	<0.300	0.300	02/26/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	113	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	02/27/2024	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	02/26/2024	ND	202	101	200	3.07	
DRO >C10-C28*	<10.0	10.0	02/26/2024	ND	199	99.7	200	2.76	
EXT DRO >C28-C36	<10.0	10.0	02/26/2024	ND					
Surrogate: 1-Chlorooctane	111 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	103	% 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:	02/23/2024	Sampling Date:	02/20/2024
Reported:	02/29/2024	Sampling Type:	Soil
Project Name:	BTA ROJO 38 41 TANK BATTERY/WELL F	Sampling Condition:	Cool & Intact
Project Number:	03C2012032/03C2012088	Sample Received By:	Dionica Hinojos
Project Location:	NOT GIVEN		

### Sample ID: PH02 0.5' (H240903-03)

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	02/26/2024	ND	1.92	96.0	2.00	3.00	
Toluene*	<0.050	0.050	02/26/2024	ND	1.99	99.7	2.00	0.934	
Ethylbenzene*	<0.050	0.050	02/26/2024	ND	1.99	99.4	2.00	0.940	
Total Xylenes*	<0.150	0.150	02/26/2024	ND	6.05	101	6.00	0.475	
Total BTEX	<0.300	0.300	02/26/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	113 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5120	16.0	02/27/2024	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	02/26/2024	ND	202	101	200	3.07	
DRO >C10-C28*	41.1	10.0	02/26/2024	ND	199	99.7	200	2.76	
EXT DRO >C28-C36	<10.0	10.0	02/26/2024	ND					
Surrogate: 1-Chlorooctane	95.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	93.4	% 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:	02/23/2024	Sampling Date:	02/20/2024
Reported:	02/29/2024	Sampling Type:	Soil
Project Name:	BTA ROJO 38 41 TANK BATTERY/WELL F	Sampling Condition:	Cool & Intact
Project Number:	03C2012032/03C2012088	Sample Received By:	Dionica Hinojos
Project Location:	NOT GIVEN		

### Sample ID: PH02 2' (H240903-04)

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	02/26/2024	ND	1.92	96.0	2.00	3.00	
Toluene*	<0.050	0.050	02/26/2024	ND	1.99	99.7	2.00	0.934	
Ethylbenzene*	<0.050	0.050	02/26/2024	ND	1.99	99.4	2.00	0.940	
Total Xylenes*	<0.150	0.150	02/26/2024	ND	6.05	101	6.00	0.475	
Total BTEX	<0.300	0.300	02/26/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	112	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	656	16.0	02/27/2024	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	02/26/2024	ND	191	95.3	200	0.952	
DRO >C10-C28*	<10.0	10.0	02/26/2024	ND	172	86.2	200	0.110	
EXT DRO >C28-C36	<10.0	10.0	02/26/2024	ND					
Surrogate: 1-Chlorooctane	97.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	93.2	% 49.1-14	8						

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\*=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:	02/23/2024	Sampling Date:	02/20/2024
Reported:	02/29/2024	Sampling Type:	Soil
Project Name:	BTA ROJO 38 41 TANK BATTERY/WELL F	Sampling Condition:	Cool & Intact
Project Number:	03C2012032/03C2012088	Sample Received By:	Dionica Hinojos
Project Location:	NOT GIVEN		

### Sample ID: PH02 4' (H240903-05)

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	02/26/2024	ND	1.92	96.0	2.00	3.00	
Toluene*	<0.050	0.050	02/26/2024	ND	1.99	99.7	2.00	0.934	
Ethylbenzene*	<0.050	0.050	02/26/2024	ND	1.99	99.4	2.00	0.940	
Total Xylenes*	<0.150	0.150	02/26/2024	ND	6.05	101	6.00	0.475	
Total BTEX	<0.300	0.300	02/26/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	115 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	′kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	848	16.0	02/27/2024	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	02/26/2024	ND	191	95.3	200	0.952	
DRO >C10-C28*	<10.0	10.0	02/26/2024	ND	172	86.2	200	0.110	
EXT DRO >C28-C36	<10.0	10.0	02/26/2024	ND					
Surrogate: 1-Chlorooctane	87.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	82.2	% 49.1-14	8						

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	02/23/2024	Sampling Date:	02/20/2024
Reported:	02/29/2024	Sampling Type:	Soil
Project Name:	BTA ROJO 38 41 TANK BATTERY/WELL F	Sampling Condition:	Cool & Intact
Project Number:	03C2012032/03C2012088	Sample Received By:	Dionica Hinojos
Project Location:	NOT GIVEN		

### Sample ID: PH03 0.5' (H240903-06)

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	02/26/2024	ND	1.92	96.0	2.00	3.00	
Toluene*	<0.050	0.050	02/26/2024	ND	1.99	99.7	2.00	0.934	
Ethylbenzene*	<0.050	0.050	02/26/2024	ND	1.99	99.4	2.00	0.940	
Total Xylenes*	<0.150	0.150	02/26/2024	ND	6.05	101	6.00	0.475	
Total BTEX	<0.300	0.300	02/26/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	114 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	336	16.0	02/27/2024	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	02/26/2024	ND	191	95.3	200	0.952	
DRO >C10-C28*	137	10.0	02/26/2024	ND	172	86.2	200	0.110	
EXT DRO >C28-C36	446	10.0	02/26/2024	ND					
Surrogate: 1-Chlorooctane	99.4	% 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:	02/23/2024	Sampling Date:	02/20/2024
Reported:	02/29/2024	Sampling Type:	Soil
Project Name:	BTA ROJO 38 41 TANK BATTERY/WELL F	Sampling Condition:	Cool & Intact
Project Number:	03C2012032/03C2012088	Sample Received By:	Dionica Hinojos
Project Location:	NOT GIVEN		

### Sample ID: PH03 2' (H240903-07)

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	02/26/2024	ND	1.92	96.0	2.00	3.00	
Toluene*	<0.050	0.050	02/26/2024	ND	1.99	99.7	2.00	0.934	
Ethylbenzene*	<0.050	0.050	02/26/2024	ND	1.99	99.4	2.00	0.940	
Total Xylenes*	<0.150	0.150	02/26/2024	ND	6.05	101	6.00	0.475	
Total BTEX	<0.300	0.300	02/26/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	110 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	336	16.0	02/27/2024	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	02/26/2024	ND	191	95.3	200	0.952	
DRO >C10-C28*	<10.0	10.0	02/26/2024	ND	172	86.2	200	0.110	
EXT DRO >C28-C36	<10.0	10.0	02/26/2024	ND					
Surrogate: 1-Chlorooctane	93.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	92.2	% 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:	02/23/2024	Sampling Date:	02/20/2024
Reported:	02/29/2024	Sampling Type:	Soil
Project Name:	BTA ROJO 38 41 TANK BATTERY/WELL F	Sampling Condition:	Cool & Intact
Project Number:	03C2012032/03C2012088	Sample Received By:	Dionica Hinojos
Project Location:	NOT GIVEN		

### Sample ID: PH03 4' (H240903-08)

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	02/26/2024	ND	1.92	96.0	2.00	3.00	
Toluene*	<0.050	0.050	02/26/2024	ND	1.99	99.7	2.00	0.934	
Ethylbenzene*	<0.050	0.050	02/26/2024	ND	1.99	99.4	2.00	0.940	
Total Xylenes*	<0.150	0.150	02/26/2024	ND	6.05	101	6.00	0.475	
Total BTEX	<0.300	0.300	02/26/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	114 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	02/27/2024	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	02/26/2024	ND	191	95.3	200	0.952	
DRO >C10-C28*	<10.0	10.0	02/26/2024	ND	172	86.2	200	0.110	
EXT DRO >C28-C36	<10.0	10.0	02/26/2024	ND					
Surrogate: 1-Chlorooctane	92.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	88.7	% 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:	02/23/2024	Sampling Date:	02/20/2024
Reported:	02/29/2024	Sampling Type:	Soil
Project Name:	BTA ROJO 38 41 TANK BATTERY/WELL F	Sampling Condition:	Cool & Intact
Project Number:	03C2012032/03C2012088	Sample Received By:	Dionica Hinojos
Project Location:	NOT GIVEN		

### Sample ID: PH04 0.5' (H240903-09)

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	02/26/2024	ND	1.92	96.0	2.00	3.00	
Toluene*	<0.050	0.050	02/26/2024	ND	1.99	99.7	2.00	0.934	
Ethylbenzene*	<0.050	0.050	02/26/2024	ND	1.99	99.4	2.00	0.940	
Total Xylenes*	<0.150	0.150	02/26/2024	ND	6.05	101	6.00	0.475	
Total BTEX	<0.300	0.300	02/26/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	112 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	816	16.0	02/27/2024	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	02/26/2024	ND	191	95.3	200	0.952	
DRO >C10-C28*	<10.0	10.0	02/26/2024	ND	172	86.2	200	0.110	
EXT DRO >C28-C36	<10.0	10.0	02/26/2024	ND					
Surrogate: 1-Chlorooctane	88.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	84.1	% 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:	02/23/2024	Sampling Date:	02/20/2024
Reported:	02/29/2024	Sampling Type:	Soil
Project Name:	BTA ROJO 38 41 TANK BATTERY/WELL F	Sampling Condition:	Cool & Intact
Project Number:	03C2012032/03C2012088	Sample Received By:	Dionica Hinojos
Project Location:	NOT GIVEN		

### Sample ID: PH04 1' (H240903-10)

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	02/26/2024	ND	1.92	96.0	2.00	3.00	
Toluene*	<0.050	0.050	02/26/2024	ND	1.99	99.7	2.00	0.934	
Ethylbenzene*	<0.050	0.050	02/26/2024	ND	1.99	99.4	2.00	0.940	
Total Xylenes*	<0.150	0.150	02/26/2024	ND	6.05	101	6.00	0.475	
Total BTEX	<0.300	0.300	02/26/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	113 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	160	16.0	02/27/2024	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	02/26/2024	ND	191	95.3	200	0.952	
DRO >C10-C28*	<10.0	10.0	02/26/2024	ND	172	86.2	200	0.110	
EXT DRO >C28-C36	<10.0	10.0	02/26/2024	ND					
Surrogate: 1-Chlorooctane	94.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	93.5	% 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:	02/23/2024	Sampling Date:	02/20/2024
Reported:	02/29/2024	Sampling Type:	Soil
Project Name:	BTA ROJO 38 41 TANK BATTERY/WELL F	Sampling Condition:	Cool & Intact
Project Number:	03C2012032/03C2012088	Sample Received By:	Dionica Hinojos
Project Location:	NOT GIVEN		

### Sample ID: PH04 4' (H240903-11)

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	02/26/2024	ND	1.92	96.0	2.00	3.00	
Toluene*	<0.050	0.050	02/26/2024	ND	1.99	99.7	2.00	0.934	
Ethylbenzene*	<0.050	0.050	02/26/2024	ND	1.99	99.4	2.00	0.940	
Total Xylenes*	<0.150	0.150	02/26/2024	ND	6.05	101	6.00	0.475	
Total BTEX	<0.300	0.300	02/26/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	112 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	64.0	16.0	02/27/2024	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	02/26/2024	ND	191	95.3	200	0.952	
DRO >C10-C28*	<10.0	10.0	02/26/2024	ND	172	86.2	200	0.110	
EXT DRO >C28-C36	<10.0	10.0	02/26/2024	ND					
Surrogate: 1-Chlorooctane	93.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	93.6	% 49.1-14	8						

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	02/23/2024	Sampling Date:	02/20/2024
Reported:	02/29/2024	Sampling Type:	Soil
Project Name:	BTA ROJO 38 41 TANK BATTERY/WELL F	Sampling Condition:	Cool & Intact
Project Number:	03C2012032/03C2012088	Sample Received By:	Dionica Hinojos
Project Location:	NOT GIVEN		

### Sample ID: PH05 0.5' (H240903-12)

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	02/26/2024	ND	1.92	96.0	2.00	3.00	
Toluene*	<0.050	0.050	02/26/2024	ND	1.99	99.7	2.00	0.934	
Ethylbenzene*	<0.050	0.050	02/26/2024	ND	1.99	99.4	2.00	0.940	
Total Xylenes*	<0.150	0.150	02/26/2024	ND	6.05	101	6.00	0.475	
Total BTEX	<0.300	0.300	02/26/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	113	% 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	400	16.0	02/27/2024	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	02/26/2024	ND	191	95.3	200	0.952	
DRO >C10-C28*	<10.0	10.0	02/26/2024	ND	172	86.2	200	0.110	
EXT DRO >C28-C36	<10.0	10.0	02/26/2024	ND					
Surrogate: 1-Chlorooctane	86.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	85.1	% 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:	02/23/2024	Sampling Date:	02/20/2024
Reported:	02/29/2024	Sampling Type:	Soil
Project Name:	BTA ROJO 38 41 TANK BATTERY/WELL F	Sampling Condition:	Cool & Intact
Project Number:	03C2012032/03C2012088	Sample Received By:	Dionica Hinojos
Project Location:	NOT GIVEN		

### Sample ID: PH05 4' (H240903-13)

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	02/26/2024	ND	1.92	96.0	2.00	3.00	
Toluene*	<0.050	0.050	02/26/2024	ND	1.99	99.7	2.00	0.934	
Ethylbenzene*	<0.050	0.050	02/26/2024	ND	1.99	99.4	2.00	0.940	
Total Xylenes*	<0.150	0.150	02/26/2024	ND	6.05	101	6.00	0.475	
Total BTEX	<0.300	0.300	02/26/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	115 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	64.0	16.0	02/27/2024	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	02/26/2024	ND	191	95.3	200	0.952	
DRO >C10-C28*	<10.0	10.0	02/26/2024	ND	172	86.2	200	0.110	
EXT DRO >C28-C36	<10.0	10.0	02/26/2024	ND					
Surrogate: 1-Chlorooctane	97.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	91.6	% 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:	02/23/2024	Sampling Date:	02/20/2024
Reported:	02/29/2024	Sampling Type:	Soil
Project Name:	BTA ROJO 38 41 TANK BATTERY/WELL F	Sampling Condition:	Cool & Intact
Project Number:	03C2012032/03C2012088	Sample Received By:	Dionica Hinojos
Project Location:	NOT GIVEN		

### Sample ID: PH06 0.5' (H240903-14)

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	02/26/2024	ND	1.92	96.0	2.00	3.00	
Toluene*	<0.050	0.050	02/26/2024	ND	1.99	99.7	2.00	0.934	
Ethylbenzene*	<0.050	0.050	02/26/2024	ND	1.99	99.4	2.00	0.940	
Total Xylenes*	<0.150	0.150	02/26/2024	ND	6.05	101	6.00	0.475	
Total BTEX	<0.300	0.300	02/26/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	116 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	32.0	16.0	02/27/2024	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	02/26/2024	ND	191	95.3	200	0.952	
DRO >C10-C28*	601	10.0	02/26/2024	ND	172	86.2	200	0.110	
EXT DRO >C28-C36	163	10.0	02/26/2024	ND					
Surrogate: 1-Chlorooctane	86.8	% 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:	02/23/2024	Sampling Date:	02/20/2024
Reported:	02/29/2024	Sampling Type:	Soil
Project Name:	BTA ROJO 38 41 TANK BATTERY/WELL F	Sampling Condition:	Cool & Intact
Project Number:	03C2012032/03C2012088	Sample Received By:	Dionica Hinojos
Project Location:	NOT GIVEN		

### Sample ID: PH06 2' (H240903-15)

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	02/26/2024	ND	2.09	105	2.00	0.864	
Toluene*	<0.050	0.050	02/26/2024	ND	2.09	105	2.00	0.576	QR-03
Ethylbenzene*	<0.050	0.050	02/26/2024	ND	2.16	108	2.00	0.421	QR-03
Total Xylenes*	<0.150	0.150	02/26/2024	ND	6.39	106	6.00	0.578	QR-03
Total BTEX	<0.300	0.300	02/26/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	108	% 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	224	16.0	02/27/2024	ND	416	104	400	3.77	
TPH 8015M	mg/	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/26/2024	ND	191	95.3	200	0.952	
DRO >C10-C28*	248	10.0	02/26/2024	ND	172	86.2	200	0.110	
EXT DRO >C28-C36	60.0	10.0	02/26/2024	ND					
Surrogate: 1-Chlorooctane	97.4	% 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:	02/23/2024	Sampling Date:	02/20/2024
Reported:	02/29/2024	Sampling Type:	Soil
Project Name:	BTA ROJO 38 41 TANK BATTERY/WELL F	Sampling Condition:	Cool & Intact
Project Number:	03C2012032/03C2012088	Sample Received By:	Dionica Hinojos
Project Location:	NOT GIVEN		

### Sample ID: PH06 4' (H240903-16)

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	02/26/2024	ND	2.09	105	2.00	0.864	
Toluene*	<0.050	0.050	02/26/2024	ND	2.09	105	2.00	0.576	
Ethylbenzene*	<0.050	0.050	02/26/2024	ND	2.16	108	2.00	0.421	
Total Xylenes*	<0.150	0.150	02/26/2024	ND	6.39	106	6.00	0.578	
Total BTEX	<0.300	0.300	02/26/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 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	576	16.0	02/27/2024	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	02/26/2024	ND	191	95.3	200	0.952	
DRO >C10-C28*	18.0	10.0	02/26/2024	ND	172	86.2	200	0.110	
EXT DRO >C28-C36	<10.0	10.0	02/26/2024	ND					
Surrogate: 1-Chlorooctane	92.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	91.6	% 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:	02/23/2024	Sampling Date:	02/20/2024
Reported:	02/29/2024	Sampling Type:	Soil
Project Name:	BTA ROJO 38 41 TANK BATTERY/WELL F	Sampling Condition:	Cool & Intact
Project Number:	03C2012032/03C2012088	Sample Received By:	Dionica Hinojos
Project Location:	NOT GIVEN		

### Sample ID: PH07 0.5' (H240903-17)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.125	0.050	02/27/2024	ND	2.09	105	2.00	0.864	GC-NC1
Toluene*	0.237	0.050	02/27/2024	ND	2.09	105	2.00	0.576	
Ethylbenzene*	<0.050	0.050	02/27/2024	ND	2.16	108	2.00	0.421	
Total Xylenes*	<0.150	0.150	02/27/2024	ND	6.39	106	6.00	0.578	
Total BTEX	0.362	0.300	02/27/2024	ND					GC-NC1
Surrogate: 4-Bromofluorobenzene (PID	134	% 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	1120	16.0	02/27/2024	ND	416	104	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	137	100	02/27/2024	ND	191	95.3	200	0.952	
DRO >C10-C28*	22600	100	02/27/2024	ND	172	86.2	200	0.110	
EXT DRO >C28-C36	5710	100	02/27/2024	ND					
Surrogate: 1-Chlorooctane	121	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	507	% 49.1-14	8						

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

Received:	02/23/2024	Sampling Date:	02/20/2024
Reported:	02/29/2024	Sampling Type:	Soil
Project Name:	BTA ROJO 38 41 TANK BATTERY/WELL F	Sampling Condition:	Cool & Intact
Project Number:	03C2012032/03C2012088	Sample Received By:	Dionica Hinojos
Project Location:	NOT GIVEN		

### Sample ID: PH07 2' (H240903-18)

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	02/26/2024	ND	2.09	105	2.00	0.864	
Toluene*	<0.050	0.050	02/26/2024	ND	2.09	105	2.00	0.576	
Ethylbenzene*	<0.050	0.050	02/26/2024	ND	2.16	108	2.00	0.421	
Total Xylenes*	<0.150	0.150	02/26/2024	ND	6.39	106	6.00	0.578	
Total BTEX	<0.300	0.300	02/26/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	108	% 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	02/27/2024	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	02/26/2024	ND	191	95.3	200	0.952	
DRO >C10-C28*	<10.0	10.0	02/26/2024	ND	172	86.2	200	0.110	
EXT DRO >C28-C36	<10.0	10.0	02/26/2024	ND					
Surrogate: 1-Chlorooctane	112 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:	02/23/2024	Sampling Date:	02/20/2024
Reported:	02/29/2024	Sampling Type:	Soil
Project Name:	BTA ROJO 38 41 TANK BATTERY/WELL F	Sampling Condition:	Cool & Intact
Project Number:	03C2012032/03C2012088	Sample Received By:	Dionica Hinojos
Project Location:	NOT GIVEN		

### Sample ID: PH07 4' (H240903-19)

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	02/26/2024	ND	2.09	105	2.00	0.864	
Toluene*	<0.050	0.050	02/26/2024	ND	2.09	105	2.00	0.576	
Ethylbenzene*	<0.050	0.050	02/26/2024	ND	2.16	108	2.00	0.421	
Total Xylenes*	<0.150	0.150	02/26/2024	ND	6.39	106	6.00	0.578	
Total BTEX	<0.300	0.300	02/26/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 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	128	16.0	02/27/2024	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	02/26/2024	ND	191	95.3	200	0.952	
DRO >C10-C28*	47.9	10.0	02/26/2024	ND	172	86.2	200	0.110	
EXT DRO >C28-C36	<10.0	10.0	02/26/2024	ND					
Surrogate: 1-Chlorooctane	89.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	87.9	% 49.1-14	8						

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### \*=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:	02/23/2024	Sampling Date:	02/20/2024
Reported:	02/29/2024	Sampling Type:	Soil
Project Name:	BTA ROJO 38 41 TANK BATTERY/WELL F	Sampling Condition:	Cool & Intact
Project Number:	03C2012032/03C2012088	Sample Received By:	Dionica Hinojos
Project Location:	NOT GIVEN		

### Sample ID: PH08 0.5' (H240903-20)

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	02/26/2024	ND	2.09	105	2.00	0.864	
Toluene*	<0.050	0.050	02/26/2024	ND	2.09	105	2.00	0.576	
Ethylbenzene*	<0.050	0.050	02/26/2024	ND	2.16	108	2.00	0.421	
Total Xylenes*	<0.150	0.150	02/26/2024	ND	6.39	106	6.00	0.578	
Total BTEX	<0.300	0.300	02/26/2024	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	160	16.0	02/27/2024	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	02/26/2024	ND	191	95.3	200	0.952	
DRO >C10-C28*	<10.0	10.0	02/26/2024	ND	172	86.2	200	0.110	
EXT DRO >C28-C36	<10.0	10.0	02/26/2024	ND					
Surrogate: 1-Chlorooctane	83.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	80.5	% 49.1-14	0						

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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:	02/23/2024	Sampling Date:	02/20/2024
Reported:	02/29/2024	Sampling Type:	Soil
Project Name:	BTA ROJO 38 41 TANK BATTERY/WELL F	Sampling Condition:	Cool & Intact
Project Number:	03C2012032/03C2012088	Sample Received By:	Dionica Hinojos
Project Location:	NOT GIVEN		

### Sample ID: PH08 4' (H240903-21)

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	02/26/2024	ND	2.09	105	2.00	0.864	
Toluene*	<0.050	0.050	02/26/2024	ND	2.09	105	2.00	0.576	
Ethylbenzene*	<0.050	0.050	02/26/2024	ND	2.16	108	2.00	0.421	
Total Xylenes*	<0.150	0.150	02/26/2024	ND	6.39	106	6.00	0.578	
Total BTEX	<0.300	0.300	02/26/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.7	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	02/27/2024	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	02/26/2024	ND	191	95.3	200	0.952	
DRO >C10-C28*	<10.0	10.0	02/26/2024	ND	172	86.2	200	0.110	
EXT DRO >C28-C36	<10.0	10.0	02/26/2024	ND					
Surrogate: 1-Chlorooctane	86.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	83.9	% 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:	02/23/2024	Sampling Date:	02/21/2024
Reported:	02/29/2024	Sampling Type:	Soil
Project Name:	BTA ROJO 38 41 TANK BATTERY/WELL F	Sampling Condition:	Cool & Intact
Project Number:	03C2012032/03C2012088	Sample Received By:	Dionica Hinojos
Project Location:	NOT GIVEN		

### Sample ID: PH09 0.5' (H240903-22)

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	02/26/2024	ND	2.09	105	2.00	0.864	
Toluene*	<0.050	0.050	02/26/2024	ND	2.09	105	2.00	0.576	
Ethylbenzene*	<0.050	0.050	02/26/2024	ND	2.16	108	2.00	0.421	
Total Xylenes*	<0.150	0.150	02/26/2024	ND	6.39	106	6.00	0.578	
Total BTEX	<0.300	0.300	02/26/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	114 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	640	16.0	02/27/2024	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	02/26/2024	ND	191	95.3	200	0.952	
DRO >C10-C28*	<10.0	10.0	02/26/2024	ND	172	86.2	200	0.110	
EXT DRO >C28-C36	<10.0	10.0	02/26/2024	ND					
Surrogate: 1-Chlorooctane	73.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	68.9	% 49.1-14							

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

Received:	02/23/2024	Sampling Date:	02/21/2024
Reported:	02/29/2024	Sampling Type:	Soil
Project Name:	BTA ROJO 38 41 TANK BATTERY/WELL F	Sampling Condition:	Cool & Intact
Project Number:	03C2012032/03C2012088	Sample Received By:	Dionica Hinojos
Project Location:	NOT GIVEN		

### Sample ID: PH09 1' (H240903-23)

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	02/26/2024	ND	2.09	105	2.00	0.864	
Toluene*	<0.050	0.050	02/26/2024	ND	2.09	105	2.00	0.576	
Ethylbenzene*	<0.050	0.050	02/26/2024	ND	2.16	108	2.00	0.421	
Total Xylenes*	<0.150	0.150	02/26/2024	ND	6.39	106	6.00	0.578	
Total BTEX	<0.300	0.300	02/26/2024	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	160	16.0	02/27/2024	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	02/26/2024	ND	191	95.3	200	0.952	
DRO >C10-C28*	<10.0	10.0	02/26/2024	ND	172	86.2	200	0.110	
EXT DRO >C28-C36	<10.0	10.0	02/26/2024	ND					
Surrogate: 1-Chlorooctane	83.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	80.0	% 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:	02/23/2024	Sampling Date:	02/21/2024
Reported:	02/29/2024	Sampling Type:	Soil
Project Name:	BTA ROJO 38 41 TANK BATTERY/WELL F	Sampling Condition:	Cool & Intact
Project Number:	03C2012032/03C2012088	Sample Received By:	Dionica Hinojos
Project Location:	NOT GIVEN		

### Sample ID: PH09 4' (H240903-24)

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	02/26/2024	ND	2.09	105	2.00	0.864	
Toluene*	<0.050	0.050	02/26/2024	ND	2.09	105	2.00	0.576	
Ethylbenzene*	<0.050	0.050	02/26/2024	ND	2.16	108	2.00	0.421	
Total Xylenes*	<0.150	0.150	02/26/2024	ND	6.39	106	6.00	0.578	
Total BTEX	<0.300	0.300	02/26/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 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	64.0	16.0	02/27/2024	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	02/26/2024	ND	208	104	200	1.09	
DRO >C10-C28*	<10.0	10.0	02/26/2024	ND	207	104	200	2.61	QM-07
EXT DRO >C28-C36	<10.0	10.0	02/26/2024	ND					
Surrogate: 1-Chlorooctane	85.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	93.0	% 49.1-14	8						

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### \*=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:	02/23/2024	Sampling Date:	02/21/2024
Reported:	02/29/2024	Sampling Type:	Soil
Project Name:	BTA ROJO 38 41 TANK BATTERY/WELL F	Sampling Condition:	Cool & Intact
Project Number:	03C2012032/03C2012088	Sample Received By:	Dionica Hinojos
Project Location:	NOT GIVEN		

### Sample ID: PH10 0.5' (H240903-25)

BTEX 8021B	mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/26/2024	ND	2.09	105	2.00	0.864	
Toluene*	<0.050	0.050	02/26/2024	ND	2.09	105	2.00	0.576	
Ethylbenzene*	<0.050	0.050	02/26/2024	ND	2.16	108	2.00	0.421	
Total Xylenes*	<0.150	0.150	02/26/2024	ND	6.39	106	6.00	0.578	
Total BTEX	<0.300	0.300	02/26/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	113 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	848	16.0	02/27/2024	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	02/26/2024	ND	208	104	200	1.09	
DRO >C10-C28*	22.7	10.0	02/26/2024	ND	207	104	200	2.61	
EXT DRO >C28-C36	<10.0	10.0	02/26/2024	ND					
Surrogate: 1-Chlorooctane	77.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	87.1	% 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:	02/23/2024	Sampling Date:	02/21/2024
Reported:	02/29/2024	Sampling Type:	Soil
Project Name:	BTA ROJO 38 41 TANK BATTERY/WELL F	Sampling Condition:	Cool & Intact
Project Number:	03C2012032/03C2012088	Sample Received By:	Dionica Hinojos
Project Location:	NOT GIVEN		

### Sample ID: PH10 1' (H240903-26)

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	02/26/2024	ND	2.09	105	2.00	0.864	
Toluene*	<0.050	0.050	02/26/2024	ND	2.09	105	2.00	0.576	
Ethylbenzene*	<0.050	0.050	02/26/2024	ND	2.16	108	2.00	0.421	
Total Xylenes*	<0.150	0.150	02/26/2024	ND	6.39	106	6.00	0.578	
Total BTEX	<0.300	0.300	02/26/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.1	% 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	208	16.0	02/27/2024	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	02/26/2024	ND	208	104	200	1.09	
DRO >C10-C28*	<10.0	10.0	02/26/2024	ND	207	104	200	2.61	
EXT DRO >C28-C36	<10.0	10.0	02/26/2024	ND					
Surrogate: 1-Chlorooctane	78.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	83.7	% 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:	02/23/2024	Sampling Date:	02/21/2024
Reported:	02/29/2024	Sampling Type:	Soil
Project Name:	BTA ROJO 38 41 TANK BATTERY/WELL F	Sampling Condition:	Cool & Intact
Project Number:	03C2012032/03C2012088	Sample Received By:	Dionica Hinojos
Project Location:	NOT GIVEN		

### Sample ID: PH10 4' (H240903-27)

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	02/27/2024	ND	2.09	105	2.00	0.864	
Toluene*	<0.050	0.050	02/27/2024	ND	2.09	105	2.00	0.576	
Ethylbenzene*	<0.050	0.050	02/27/2024	ND	2.16	108	2.00	0.421	
Total Xylenes*	<0.150	0.150	02/27/2024	ND	6.39	106	6.00	0.578	
Total BTEX	<0.300	0.300	02/27/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	113 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	64.0	16.0	02/27/2024	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	02/26/2024	ND	208	104	200	1.09	
DRO >C10-C28*	<10.0	10.0	02/26/2024	ND	207	104	200	2.61	
EXT DRO >C28-C36	<10.0	10.0	02/26/2024	ND					
Surrogate: 1-Chlorooctane	82.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	88.8	% 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:	02/23/2024	Sampling Date:	02/21/2024
Reported:	02/29/2024	Sampling Type:	Soil
Project Name:	BTA ROJO 38 41 TANK BATTERY/WELL F	Sampling Condition:	Cool & Intact
Project Number:	03C2012032/03C2012088	Sample Received By:	Dionica Hinojos
Project Location:	NOT GIVEN		

### Sample ID: PH11 0.5' (H240903-28)

BTEX 8021B	mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/27/2024	ND	2.09	105	2.00	0.864	
Toluene*	<0.050	0.050	02/27/2024	ND	2.09	105	2.00	0.576	
Ethylbenzene*	<0.050	0.050	02/27/2024	ND	2.16	108	2.00	0.421	
Total Xylenes*	<0.150	0.150	02/27/2024	ND	6.39	106	6.00	0.578	
Total BTEX	<0.300	0.300	02/27/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.3	% 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	576	16.0	02/27/2024	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	02/26/2024	ND	208	104	200	1.09	
DRO >C10-C28*	<10.0	10.0	02/26/2024	ND	207	104	200	2.61	
EXT DRO >C28-C36	<10.0	10.0	02/26/2024	ND					
Surrogate: 1-Chlorooctane	82.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	88.4	% 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:	02/23/2024	Sampling Date:	02/21/2024
Reported:	02/29/2024	Sampling Type:	Soil
Project Name:	BTA ROJO 38 41 TANK BATTERY/WELL F	Sampling Condition:	Cool & Intact
Project Number:	03C2012032/03C2012088	Sample Received By:	Dionica Hinojos
Project Location:	NOT GIVEN		

## Sample ID: PH11 1' (H240903-29)

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	02/27/2024	ND	2.09	105	2.00	0.864	
Toluene*	<0.050	0.050	02/27/2024	ND	2.09	105	2.00	0.576	
Ethylbenzene*	<0.050	0.050	02/27/2024	ND	2.16	108	2.00	0.421	
Total Xylenes*	<0.150	0.150	02/27/2024	ND	6.39	106	6.00	0.578	
Total BTEX	<0.300	0.300	02/27/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 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	176	16.0	02/27/2024	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	02/26/2024	ND	208	104	200	1.09	
DRO >C10-C28*	<10.0	10.0	02/26/2024	ND	207	104	200	2.61	
EXT DRO >C28-C36	<10.0	10.0	02/26/2024	ND					
Surrogate: 1-Chlorooctane	69.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	73.8	% 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:	02/23/2024	Sampling Date:	02/21/2024
Reported:	02/29/2024	Sampling Type:	Soil
Project Name:	BTA ROJO 38 41 TANK BATTERY/WELL F	Sampling Condition:	Cool & Intact
Project Number:	03C2012032/03C2012088	Sample Received By:	Dionica Hinojos
Project Location:	NOT GIVEN		

## Sample ID: PH11 4' (H240903-30)

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	02/27/2024	ND	2.09	105	2.00	0.864	
Toluene*	<0.050	0.050	02/27/2024	ND	2.09	105	2.00	0.576	
Ethylbenzene*	<0.050	0.050	02/27/2024	ND	2.16	108	2.00	0.421	
Total Xylenes*	<0.150	0.150	02/27/2024	ND	6.39	106	6.00	0.578	
Total BTEX	<0.300	0.300	02/27/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	02/27/2024	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	02/26/2024	ND	208	104	200	1.09	
DRO >C10-C28*	<10.0	10.0	02/26/2024	ND	207	104	200	2.61	
EXT DRO >C28-C36	<10.0	10.0	02/26/2024	ND					
Surrogate: 1-Chlorooctane	90.9	% 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:	02/23/2024	Sampling Date:	02/22/2024
Reported:	02/29/2024	Sampling Type:	Soil
Project Name:	BTA ROJO 38 41 TANK BATTERY/WELL F	Sampling Condition:	Cool & Intact
Project Number:	03C2012032/03C2012088	Sample Received By:	Dionica Hinojos
Project Location:	NOT GIVEN		

## Sample ID: PH12 0.5' (H240903-31)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	1.12	0.200	02/27/2024	ND	2.09	105	2.00	0.864	GC-NC1
Toluene*	12.8	0.200	02/27/2024	ND	2.09	105	2.00	0.576	
Ethylbenzene*	3.82	0.200	02/27/2024	ND	2.16	108	2.00	0.421	
Total Xylenes*	53.5	0.600	02/27/2024	ND	6.39	106	6.00	0.578	
Total BTEX	71.3	1.20	02/27/2024	ND					GC-NC1
Surrogate: 4-Bromofluorobenzene (PID	166	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2960	16.0	02/27/2024	ND	432	108	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*	1780	10.0	02/26/2024	ND	208	104	200	1.09	
DRO >C10-C28*	6300	10.0	02/26/2024	ND	207	104	200	2.61	
EXT DRO >C28-C36	439	10.0	02/26/2024	ND					
Surrogate: 1-Chlorooctane	151	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	159	% 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:	02/23/2024	Sampling Date:	02/22/2024
Reported:	02/29/2024	Sampling Type:	Soil
Project Name:	BTA ROJO 38 41 TANK BATTERY/WELL F	Sampling Condition:	Cool & Intact
Project Number:	03C2012032/03C2012088	Sample Received By:	Dionica Hinojos
Project Location:	NOT GIVEN		

## Sample ID: PH12 2' (H240903-32)

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	02/27/2024	ND	2.09	105	2.00	0.864	
Toluene*	<0.050	0.050	02/27/2024	ND	2.09	105	2.00	0.576	
Ethylbenzene*	<0.050	0.050	02/27/2024	ND	2.16	108	2.00	0.421	
Total Xylenes*	<0.150	0.150	02/27/2024	ND	6.39	106	6.00	0.578	
Total BTEX	<0.300	0.300	02/27/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	352	16.0	02/27/2024	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	02/26/2024	ND	208	104	200	1.09	
DRO >C10-C28*	26.1	10.0	02/26/2024	ND	207	104	200	2.61	
EXT DRO >C28-C36	34.4	10.0	02/26/2024	ND					
Surrogate: 1-Chlorooctane	96.3	% 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:	02/23/2024	Sampling Date:	02/22/2024
Reported:	02/29/2024	Sampling Type:	Soil
Project Name:	BTA ROJO 38 41 TANK BATTERY/WELL F	Sampling Condition:	Cool & Intact
Project Number:	03C2012032/03C2012088	Sample Received By:	Dionica Hinojos
Project Location:	NOT GIVEN		

## Sample ID: PH12 3' (H240903-33)

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	02/27/2024	ND	2.09	105	2.00	0.864	
Toluene*	<0.050	0.050	02/27/2024	ND	2.09	105	2.00	0.576	
Ethylbenzene*	<0.050	0.050	02/27/2024	ND	2.16	108	2.00	0.421	
Total Xylenes*	<0.150	0.150	02/27/2024	ND	6.39	106	6.00	0.578	
Total BTEX	<0.300	0.300	02/27/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	480	16.0	02/27/2024	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	02/26/2024	ND	208	104	200	1.09	
DRO >C10-C28*	<10.0	10.0	02/26/2024	ND	207	104	200	2.61	
EXT DRO >C28-C36	<10.0	10.0	02/26/2024	ND					
Surrogate: 1-Chlorooctane	85.7	% 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:	02/23/2024	Sampling Date:	02/22/2024
Reported:	02/29/2024	Sampling Type:	Soil
Project Name:	BTA ROJO 38 41 TANK BATTERY/WELL F	Sampling Condition:	Cool & Intact
Project Number:	03C2012032/03C2012088	Sample Received By:	Dionica Hinojos
Project Location:	NOT GIVEN		

## Sample ID: PH13 0.5' (H240903-34)

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	02/27/2024	ND	2.09	105	2.00	0.864	
Toluene*	<0.050	0.050	02/27/2024	ND	2.09	105	2.00	0.576	
Ethylbenzene*	<0.050	0.050	02/27/2024	ND	2.16	108	2.00	0.421	
Total Xylenes*	<0.150	0.150	02/27/2024	ND	6.39	106	6.00	0.578	
Total BTEX	<0.300	0.300	02/27/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	02/27/2024	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	02/26/2024	ND	208	104	200	1.09	
DRO >C10-C28*	<10.0	10.0	02/26/2024	ND	207	104	200	2.61	
EXT DRO >C28-C36	<10.0	10.0	02/26/2024	ND					
Surrogate: 1-Chlorooctane	88.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	102 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:	02/23/2024	Sampling Date:	02/22/2024
Reported:	02/29/2024	Sampling Type:	Soil
Project Name:	BTA ROJO 38 41 TANK BATTERY/WELL F	Sampling Condition:	Cool & Intact
Project Number:	03C2012032/03C2012088	Sample Received By:	Dionica Hinojos
Project Location:	NOT GIVEN		

## Sample ID: PH13 1' (H240903-35)

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	02/26/2024	ND	2.19	109	2.00	0.814	
Toluene*	<0.050	0.050	02/26/2024	ND	2.05	103	2.00	0.0468	
Ethylbenzene*	<0.050	0.050	02/26/2024	ND	2.02	101	2.00	2.24	
Total Xylenes*	<0.150	0.150	02/26/2024	ND	5.92	98.7	6.00	3.01	
Total BTEX	<0.300	0.300	02/26/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	02/27/2024	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	02/26/2024	ND	208	104	200	1.09	
DRO >C10-C28*	<10.0	10.0	02/26/2024	ND	207	104	200	2.61	
EXT DRO >C28-C36	<10.0	10.0	02/26/2024	ND					
Surrogate: 1-Chlorooctane	81.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	89.3	% 49.1-14	8						

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#### \*=Accredited Analyte

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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:	02/23/2024	Sampling Date:	02/22/2024
Reported:	02/29/2024	Sampling Type:	Soil
Project Name:	BTA ROJO 38 41 TANK BATTERY/WELL F	Sampling Condition:	Cool & Intact
Project Number:	03C2012032/03C2012088	Sample Received By:	Dionica Hinojos
Project Location:	NOT GIVEN		

## Sample ID: PH13 3' (H240903-36)

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	02/26/2024	ND	2.19	109	2.00	0.814	
Toluene*	<0.050	0.050	02/26/2024	ND	2.05	103	2.00	0.0468	
Ethylbenzene*	<0.050	0.050	02/26/2024	ND	2.02	101	2.00	2.24	
Total Xylenes*	<0.150	0.150	02/26/2024	ND	5.92	98.7	6.00	3.01	
Total BTEX	<0.300	0.300	02/26/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	109	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	02/27/2024	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	02/26/2024	ND	208	104	200	1.09	
DRO >C10-C28*	<10.0	10.0	02/26/2024	ND	207	104	200	2.61	
EXT DRO >C28-C36	<10.0	10.0	02/26/2024	ND					
Surrogate: 1-Chlorooctane	83.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	92.5	% 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:	02/23/2024	Sampling Date:	02/22/2024
Reported:	02/29/2024	Sampling Type:	Soil
Project Name:	BTA ROJO 38 41 TANK BATTERY/WELL F	Sampling Condition:	Cool & Intact
Project Number:	03C2012032/03C2012088	Sample Received By:	Dionica Hinojos
Project Location:	NOT GIVEN		

## Sample ID: PH14 0.5' (H240903-37)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	4.64	0.500	02/27/2024	ND	2.19	109	2.00	0.814	GC-NC1	
Toluene*	50.5	0.500	02/27/2024	ND	2.05	103	2.00	0.0468		
Ethylbenzene*	4.58	0.500	02/27/2024	ND	2.02	101	2.00	2.24		
Total Xylenes*	123	1.50	02/27/2024	ND	5.92	98.7	6.00	3.01		
Total BTEX	182	3.00	02/27/2024	ND					GC-NC1	
Surrogate: 4-Bromofluorobenzene (PID	192	% 71.5-13	4							
Chloride, SM4500Cl-B	mg/	/kg	Analyzed By: HM							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1600	16.0	02/27/2024	ND	432	108	400	0.00		
TPH 8015M	mg/	/kg	Analyze	d By: ms				S-06		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	13700	100	02/27/2024	ND	208	104	200	1.09		
DRO >C10-C28*	12500	100	02/27/2024	ND	207	104	200	2.61		
EXT DRO >C28-C36	1830	100	02/27/2024	ND						
Surrogate: 1-Chlorooctane	583	% 48.2-13	4							
Surrogate: 1-Chlorooctadecane	206	% 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:	02/23/2024	Sampling Date:	02/22/2024
Reported:	02/29/2024	Sampling Type:	Soil
Project Name:	BTA ROJO 38 41 TANK BATTERY/WELL F	Sampling Condition:	Cool & Intact
Project Number:	03C2012032/03C2012088	Sample Received By:	Dionica Hinojos
Project Location:	NOT GIVEN		

## Sample ID: PH14 2' (H240903-38)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Benzene*	<0.200	0.200	02/27/2024	ND	2.19	109	2.00	0.814	
Toluene*	2.16	0.200	02/27/2024	ND	2.05	103	2.00	0.0468	
Ethylbenzene*	0.461	0.200	02/27/2024	ND	2.02	101	2.00	2.24	
Total Xylenes*	6.61	0.600	02/27/2024	ND	5.92	98.7	6.00	3.01	
Total BTEX	9.23	1.20	02/27/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	113	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Chloride	496	16.0	02/27/2024	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	Qualifie
GRO C6-C10*	396	10.0	02/26/2024	ND	208	104	200	1.09	
DRO >C10-C28*	2170	10.0	02/26/2024	ND	207	104	200	2.61	
EXT DRO >C28-C36	<10.0	10.0	02/26/2024	ND					
Surrogate: 1-Chlorooctane	116	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	133	% 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:	02/23/2024	Sampling Date:	02/22/2024
Reported:	02/29/2024	Sampling Type:	Soil
Project Name:	BTA ROJO 38 41 TANK BATTERY/WELL F	Sampling Condition:	Cool & Intact
Project Number:	03C2012032/03C2012088	Sample Received By:	Dionica Hinojos
Project Location:	NOT GIVEN		

## Sample ID: PH14 4' (H240903-39)

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	02/26/2024	ND	2.19	109	2.00	0.814	
Toluene*	0.127	0.050	02/26/2024	ND	2.05	103	2.00	0.0468	
Ethylbenzene*	0.071	0.050	02/26/2024	ND	2.02	101	2.00	2.24	
Total Xylenes*	0.511	0.150	02/26/2024	ND	5.92	98.7	6.00	3.01	
Total BTEX	0.709	0.300	02/26/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	113	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	02/27/2024	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*	10.8	10.0	02/26/2024	ND	208	104	200	1.09	
DRO >C10-C28*	327	10.0	02/26/2024	ND	207	104	200	2.61	
EXT DRO >C28-C36	<10.0	10.0	02/26/2024	ND					
Surrogate: 1-Chlorooctane	101	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	113	% 49.1-14	8						

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	02/23/2024	Sampling Date:	02/22/2024
Reported:	02/29/2024	Sampling Type:	Soil
Project Name:	BTA ROJO 38 41 TANK BATTERY/WELL F	Sampling Condition:	Cool & Intact
Project Number:	03C2012032/03C2012088	Sample Received By:	Dionica Hinojos
Project Location:	NOT GIVEN		

## Sample ID: PH15 0.5' (H240903-40)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.632	0.200	02/27/2024	ND	2.19	109	2.00	0.814	GC-NC1
Toluene*	13.1	0.200	02/27/2024	ND	2.05	103	2.00	0.0468	
Ethylbenzene*	3.99	0.200	02/27/2024	ND	2.02	101	2.00	2.24	
Total Xylenes*	54.3	0.600	02/27/2024	ND	5.92	98.7	6.00	3.01	
Total BTEX	72.0	1.20	02/27/2024	ND					GC-NC1
Surrogate: 4-Bromofluorobenzene (PID	113	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	02/27/2024	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*	1810	10.0	02/26/2024	ND	208	104	200	1.09	
DRO >C10-C28*	3300	10.0	02/26/2024	ND	207	104	200	2.61	
EXT DRO >C28-C36	291	10.0	02/26/2024	ND					
Surrogate: 1-Chlorooctane	131	% 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:	02/23/2024	Sampling Date:	02/22/2024
Reported:	02/29/2024	Sampling Type:	Soil
Project Name:	BTA ROJO 38 41 TANK BATTERY/WELL F	Sampling Condition:	Cool & Intact
Project Number:	03C2012032/03C2012088	Sample Received By:	Dionica Hinojos
Project Location:	NOT GIVEN		

## Sample ID: PH15 2' (H240903-41)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.435	0.050	02/27/2024	ND	2.19	109	2.00	0.814	GC-NC1
Toluene*	2.89	0.050	02/27/2024	ND	2.05	103	2.00	0.0468	
Ethylbenzene*	0.563	0.050	02/27/2024	ND	2.02	101	2.00	2.24	
Total Xylenes*	4.37	0.150	02/27/2024	ND	5.92	98.7	6.00	3.01	
Total BTEX	8.26	0.300	02/27/2024	ND					GC-NC1
Surrogate: 4-Bromofluorobenzene (PID	131	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	02/27/2024	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*	328	10.0	02/26/2024	ND	208	104	200	1.09	
DRO >C10-C28*	3470	10.0	02/26/2024	ND	207	104	200	2.61	
EXT DRO >C28-C36	438	10.0	02/26/2024	ND					
Surrogate: 1-Chlorooctane	<i>98.3</i>	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	146	% 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:	02/23/2024	Sampling Date:	02/22/2024
Reported:	02/29/2024	Sampling Type:	Soil
Project Name:	BTA ROJO 38 41 TANK BATTERY/WELL F	Sampling Condition:	Cool & Intact
Project Number:	03C2012032/03C2012088	Sample Received By:	Dionica Hinojos
Project Location:	NOT GIVEN		

## Sample ID: PH15 4' (H240903-42)

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	02/27/2024	ND	2.19	109	2.00	0.814	
Toluene*	<0.050	0.050	02/27/2024	ND	2.05	103	2.00	0.0468	
Ethylbenzene*	<0.050	0.050	02/27/2024	ND	2.02	101	2.00	2.24	
Total Xylenes*	<0.150	0.150	02/27/2024	ND	5.92	98.7	6.00	3.01	
Total BTEX	<0.300	0.300	02/27/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	02/27/2024	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	02/26/2024	ND	208	104	200	1.09	
DRO >C10-C28*	42.3	10.0	02/26/2024	ND	207	104	200	2.61	
EXT DRO >C28-C36	27.2	10.0	02/26/2024	ND					
Surrogate: 1-Chlorooctane	96.1	% 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:	02/23/2024	Sampling Date:	02/22/2024
Reported:	02/29/2024	Sampling Type:	Soil
Project Name:	BTA ROJO 38 41 TANK BATTERY/WELL F	Sampling Condition:	Cool & Intact
Project Number:	03C2012032/03C2012088	Sample Received By:	Dionica Hinojos
Project Location:	NOT GIVEN		

## Sample ID: PH16 0.5' (H240903-43)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.263	0.050	02/27/2024	ND	2.19	109	2.00	0.814	GC-NC1
Toluene*	3.48	0.050	02/27/2024	ND	2.05	103	2.00	0.0468	
Ethylbenzene*	0.595	0.050	02/27/2024	ND	2.02	101	2.00	2.24	
Total Xylenes*	11.2	0.150	02/27/2024	ND	5.92	98.7	6.00	3.01	
Total BTEX	15.6	0.300	02/27/2024	ND					GC-NC1
Surrogate: 4-Bromofluorobenzene (PID	111	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	02/27/2024	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*	795	10.0	02/26/2024	ND	208	104	200	1.09	
DRO >C10-C28*	1700	10.0	02/26/2024	ND	207	104	200	2.61	
EXT DRO >C28-C36	169	10.0	02/26/2024	ND					
Surrogate: 1-Chlorooctane	110	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	118	% 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:	02/23/2024	Sampling Date:	02/22/2024
Reported:	02/29/2024	Sampling Type:	Soil
Project Name:	BTA ROJO 38 41 TANK BATTERY/WELL F	Sampling Condition:	Cool & Intact
Project Number:	03C2012032/03C2012088	Sample Received By:	Dionica Hinojos
Project Location:	NOT GIVEN		

## Sample ID: PH16 3' (H240903-44)

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	02/27/2024	ND	2.19	109	2.00	0.814	
Toluene*	<0.050	0.050	02/27/2024	ND	2.05	103	2.00	0.0468	
Ethylbenzene*	<0.050	0.050	02/27/2024	ND	2.02	101	2.00	2.24	
Total Xylenes*	<0.150	0.150	02/27/2024	ND	5.92	98.7	6.00	3.01	
Total BTEX	<0.300	0.300	02/27/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	111 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	′kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	02/27/2024	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	02/26/2024	ND	190	94.8	200	1.13	
DRO >C10-C28*	34.7	10.0	02/26/2024	ND	184	91.8	200	1.50	
EXT DRO >C28-C36	<10.0	10.0	02/26/2024	ND					
Surrogate: 1-Chlorooctane	91.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	83.1	% 49.1-14	8						

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	02/23/2024	Sampling Date:	02/22/2024
Reported:	02/29/2024	Sampling Type:	Soil
Project Name:	BTA ROJO 38 41 TANK BATTERY/WELL F	Sampling Condition:	Cool & Intact
Project Number:	03C2012032/03C2012088	Sample Received By:	Dionica Hinojos
Project Location:	NOT GIVEN		

## Sample ID: PH16 4' (H240903-45)

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	02/27/2024	ND	2.19	109	2.00	0.814	
Toluene*	0.118	0.050	02/27/2024	ND	2.05	103	2.00	0.0468	
Ethylbenzene*	0.144	0.050	02/27/2024	ND	2.02	101	2.00	2.24	
Total Xylenes*	0.996	0.150	02/27/2024	ND	5.92	98.7	6.00	3.01	
Total BTEX	1.26	0.300	02/27/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	113	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	02/27/2024	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*	86.6	10.0	02/26/2024	ND	190	94.8	200	1.13	
DRO >C10-C28*	673	10.0	02/26/2024	ND	184	91.8	200	1.50	
EXT DRO >C28-C36	95.0	10.0	02/26/2024	ND					
Surrogate: 1-Chlorooctane	86.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	77.8	% 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:	02/23/2024	Sampling Date:	02/22/2024
Reported:	02/29/2024	Sampling Type:	Soil
Project Name:	BTA ROJO 38 41 TANK BATTERY/WELL F	Sampling Condition:	Cool & Intact
Project Number:	03C2012032/03C2012088	Sample Received By:	Dionica Hinojos
Project Location:	NOT GIVEN		

## Sample ID: PH17 0.5' (H240903-46)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.377	0.200	02/27/2024	ND	2.19	109	2.00	0.814	GC-NC1
Toluene*	6.91	0.200	02/27/2024	ND	2.05	103	2.00	0.0468	
Ethylbenzene*	2.06	0.200	02/27/2024	ND	2.02	101	2.00	2.24	
Total Xylenes*	31.4	0.600	02/27/2024	ND	5.92	98.7	6.00	3.01	
Total BTEX	40.7	1.20	02/27/2024	ND					GC-NC1
Surrogate: 4-Bromofluorobenzene (PID	111	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	02/27/2024	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*	939	10.0	02/26/2024	ND	190	94.8	200	1.13	
DRO >C10-C28*	7660	10.0	02/26/2024	ND	184	91.8	200	1.50	
EXT DRO >C28-C36	1090	10.0	02/26/2024	ND					
Surrogate: 1-Chlorooctane	123	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	123	% 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:	02/23/2024	Sampling Date:	02/22/2024
Reported:	02/29/2024	Sampling Type:	Soil
Project Name:	BTA ROJO 38 41 TANK BATTERY/WELL F	Sampling Condition:	Cool & Intact
Project Number:	03C2012032/03C2012088	Sample Received By:	Dionica Hinojos
Project Location:	NOT GIVEN		

## Sample ID: PH17 4' (H240903-47)

BTEX 8021B	mg	/kg	Analyze	d By: JH					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/27/2024	ND	2.19	109	2.00	0.814	GC-NC
Toluene*	0.226	0.050	02/27/2024	ND	2.05	103	2.00	0.0468	GC-NC1
Ethylbenzene*	<0.050	0.050	02/27/2024	ND	2.02	101	2.00	2.24	GC-NC
Total Xylenes*	0.859	0.150	02/27/2024	ND	5.92	98.7	6.00	3.01	GC-NC1
Total BTEX	1.08	0.300	02/27/2024	ND					GC-NC1
Surrogate: 4-Bromofluorobenzene (PID	187	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	02/27/2024	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*	187	10.0	02/26/2024	ND	190	94.8	200	1.13	
DRO >C10-C28*	3170	10.0	02/26/2024	ND	184	91.8	200	1.50	
EXT DRO >C28-C36	430	10.0	02/26/2024	ND					
Surrogate: 1-Chlorooctane	108	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	102	% 49.1-14	8						

#### Cardinal Laboratories

\*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



# **Notes and Definitions**

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
GC-NC1	8260 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are biased high with interfering compounds.
GC-NC	8260 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are reported as ND.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

#### **Cardinal Laboratories**

#### \*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager

Company Name: Ensolum, LLC	: Ensolum, LLC	nsolum, LLC						1	-			_	BILL TO					ANALYSIS DECLIEST
Project Manager: Hadlie Green	r: Hadlie Green								7	P.O.	#							
Address: 601 N I	Address: 601 N Marienfeld Street, Suite 400	Suite 400							0	9	Ipa	ny:	Company: BTA Oil Producers	ducers			_	
City: Midland		State: TX	Zip:	79701	101				Þ	ttn	K	elto	Attn: Kelton Beaird				_	
Phone #: 432-557-8895	7-8895	Fax #:							Þ	Address:	res	<u></u>					_	
Project #:03C201	Project #:03C2012032/03C2012088	Project Owner:	a						0	City:					_			
Project Name:BT	Project Name:BTA Rojo 38 41 Tank Battery/Well Pad	k Battery/Well Pad							s	State:			Zio:				_	
Project Location:									7	Phone #:	net	#	4				_	
Sampler Name: 1	Tracy Hillard U	icel Sant:11	SAG						-	Fax #:	*							
FOR LAB USE DNLY				_		z	MATRIX	×	- h	T	PRESERV.	Ŗ	V. SAMPLING	LING	_		_	
1240903 Lab I.D.	Sample I.D.	Depth (feet)	RAB OR (C)OMP.	ONTAINERS	OUNDWATER	IL		JDGE	HER :	ID/BASE:	COOL	HER :			PH 8015	EX 8021	nloride 4500	
	PHOI	G. 5	-	-	-	-			-	-	-	-	2/20	10.25	$\times$	< 1	<	
e	PHOI	Ľ,	G	-	-	_		-	-	-	_	-	2/20	Inus .	-	- 7	2	
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16	PHD 3	0.5	G	-	-	-		1	-			-	-	1250	-		-	
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EASE NOTE: Liability and C lives. All claims including t	Damages. Cardinal's liability and those for negligence and any of	PLEASE NOTE: Libity and Damages. Cardina's liability and clients exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount part by the client for the analyses. All claims including those for negligence and any other clause whatebeyer shall be former variable informer variable for contract or tort, shall be limited to the amount part by the client for the	v claim a	rising w	whethe	base	din oo	ntract	ortor	t, sha	be	Imitec	to the amount paid t	1100 w the client for the	F	F	-	
liates or successors arising	ervice. In no event shall Cardinal be liable for incidental or consequental damages, including fiftlates or successors arising out of or reliated to the performance of services hereunder by C	service. In no event shall cardinal be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of tuse, or loss of use, or loss of use or loss of use of liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of tuse, or loss of use of liable incidental subsidiaries artifiates or successors arising out of or related to the performance of services hersunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or comence of the above stated reasons above stated reasons or comence of the above stated reasons	rdinal, re	gardles	h, busir ss of w	tess in hethe	terrup such	daim	loss o	f use,	or los	ss of p	t limitation, business interruptions, loss of use, or loss of profits incurred by clie regardless of whether such claim is based upon any of the above stated reas	ompreuon or the ap nt, its subsidiaries, ons or otherwise.	picable			
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Relinquished By:			Received By:	sive	dB	E								nApp2	Ho C	Sac	5441	143 APP 212 3 555 001
Delivered By: (Circle One) Sampler - UPS - Bus - Other:		Observed Temp. "CU. Corrected Temp. "C	()		Cool		Intact es Y	Yes	S I ON		5 9		CHECKED BY: T (Initials)	Turnaround Time: Thermometer ID #1	ime:	生	Standard	Bacteria (only) Sample Condition     Cool Intact Observed Temp. °C     Types Trypes     Yes

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Laboratories

101 East I (575) 39	101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476	40 7e			
Company Name: Ensolum, LLC	LLC		BILL TO	2	
Project Manager: Hadlie Green	reen		P.O. #:		ANALTSIS REQUEST
Address: 601 N Marienfeld Street, Suite 400	Street, Suite 400		Company: BTA Oil Producers	roducare	
City: Midland	te: TX	Zip: 79701	Attn: Kelton Beaird		
Phone #: 432-557-8895			Address:		
Project #:03C2012032/03C2012088			City:		
Project Name:BTA Rojo 38 41 Tank Battery/Well Pad	41 Tank Battery/Well Pad		State: Zip:		
Project Location:			*		
Sampler Name: Tracy Hillard	Uriel Sentil	SALA	Fax #:		
FOR LAB USE ONLY		MATRIX	SERV.	SAMPLING	
Lab I.D. Sample I.D.	Depth (feet)	GRAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE	OTHER : ACID/BASE: CEXCOOL OTHER : DATE	TPH 8015	BTEX 8021 Chloride 4500
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LAND SI		0	2/20	-	
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PLEASE NOTE: Labity and Damages. Cardman's labitly and clerits exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount pool by the client for the analyses. All dations including those for negligence and any other cause whatbeever shall be doenned waived unless made in writing and received by Cardinia within 30 days after completion of the applicable service. In orient shall Cardinal bitlable for incompletion of the applicable service. In orient shall Cardinal bitlable for incompletion of the applicable service.	I's lability and client's exclusive remedy for any claim ce and any other cause whatsoever shall be deemed scientific or constrainable democra induction and the science of the science	laim arising whether based in contract or fort, shall be limited to the amounted waived unless made in writing and received by Cardinal within 30 day	fort, shall be limited to the amount pa ceived by Cardinal within 30 days at	nt paid by the client for the splicab	
affaites or successors arising out of or related to the performance of services hereunder by Cardinal, ingerrefess of whether such claim is based upon any of the above stated reasons or otherwise. Refinquished By: 1 Date: Received Rv.	the performance of services hereunder by Card	dinal, regardless of whether such claim is b	ased upon any of the above stated re	reasons or otherwise.	
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Relinquished By:	+	Ati		nareane	ensilum. com
	7100-11-34	Neceived By:		APT: APP2	PP2400954448P2123555001
Sampler - UPS - Bus - Other:	Corrected Tamp. °C4.3	3 Sample Condition Cool Intact Tyes Tyes	CHECKED BY:	er ID	me: Standard Bacteria (only) Sample Condition Rush Cool Intact Observed Temp. °C
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Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Dy.	U Durio	Relinquished By:	o event shall Card uccessors arising o	OTE: Liability and I Il claims including t											HUGIUS Lab I.D.	FOR LAB USE ONLY	Sampler Name: Tracy Hillard	Project Location:	ject Name:BT	ject #:03C20	Phone #: 432-557-8895	City: Midland	dress: 601 N	ject Manager	npany Name		1
her:		Mach	1.	mal be liable for incidental or co but of or related to the performa	Jamages, Cardinal's liability and hose for neoligence and any of	PHII	PHII	PHIL	PHIO	OHIO	PHIC	PHOM	PHOM	PHOY	KHUS	Sample I.D.		Fracy Hillard		A Rojo 38 41 Tanl	Project #:03C2012032/03C2012088	7-8895		Address: 601 N Marienfeld Street, Suite 400	Project Manager: Hadlie Green	Company Name: Ensolum, LLC	101 East Marlan (575) 393-2326	000
Observed Temp. "C	2Ch	Time: 947	Date: GAN	service. In no event shall Cardhal be liable for indectanal on yourd cause Whatsoever shall be deemed which dives made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardhal be liable for indectanal or expounding which illinitation, business interproteins, loss of use, or loss of profits incurred by clerch, its subsidiaries, affiliates or successors arising out of or related to the performance of services hierander by Cardinal, recardiess of whether such claim is have or the anisot areas on the advected by clerch and the other services hierander by Cardinal recardies of whether such claim is have on the advected by clerch and the advected by clerch and the advected by clerch and the advected by clerch advected by c	d client's exclusive remedy for an	L	-	0.5	1	-	0.5	I,	1	0.5'	5,	Depth (feet)		Oriel Sant	-	Project Name:BTA Rojo 38 41 Tank Battery/Well Pad	Project Owner:	Fax #:	State: TX	Suite 400			101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476	
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Project Manager: Hadlie Green	en		P.O. #:		ANALYSIS REQUEST	-
Address: 601 N Marienfeld Street, Suite 400	treet, Suite 400		Company: BTA Oil Producers	ducers		
City: Midland	State: TX	Zip: 79701	Attn: Kelton Beaird			
Phone #: 432-557-8895	Fax #:		Address:			
Project #:03C2012032/03C2012088	12088 Project Owner:		City:			
Project Name:BTA Rojo 38 41 Tank Battery/Well Pad	1 Tank Battery/Well Pad		State: Zip:			
Project Location:			#			
Sampler Name: Tracy Hillard	Uriel Sentillana		Fax #:			
FOR LAB USE ONLY	_	MATRIX	PRESERV. SAMPLING	LING		
Lab I.D. Sample I.D.	I.D. (feet)	(G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE	OTHER : ACID/BASE: CEACOOL OTHER : DATE	TPH 8015 BTEX 8021	Chloride 4500	
CIHO 10	5.0		200	~		
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24 PH/3	0.5	0	2610	1 5100		
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vent shall Card	Jurnages. Cardina's liability and client's exclusive remedy for any claim those for negligence and any other cause whatsoever shall be deemed sinal be liable for incidental or consequental damages, including without	(iii) and clerits exclusive remedy for any claim arising whether based in contract or fort, and be limited to the amount poid by the client for the any other cause whatbever shall be deemed walved unless made in writing and received by Cardinal within 30 days after completion of the applicable of or consequential damages, including without limitation, business interruptions, loss of tuse, or loss of profits incred by client, its subsidiaries.	(ort, shall be limited to the amount paid by the client for the ceived by Cardinal within 30 days after completion of the a sof use, or loss of profits incurred by client, its subsidiaries.	oy the client for the completion of the applicable int, its subsidiaries.		
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Dolivorod But /Circle Dorot		4.5 Sample Condition	CHECKED BY: (Initials)	Turnaround Time: S	Standard A Bacteria (only) Sample Condition Rush Cool Intact Observed Temp. °C	Condition

Page 168 of 220

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not of the AT AND AT AND A FAIL THE AT A A A A A A A A A A A A A A A A A A	of services hereunder by Cardinal, regardless of whether such claim	e of services hereunder by Cardi	arising out of or related to the performance	affiliates or successors
analyses. All claims including those for nepligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidential or monominant domance incidence in the applicable.	ned waived unless made in writing and put limitation business interruptions	cause whatsoever shall be deer equental damages, including with	cluding those for negligence and any other all Cardinal be liable for incidental or conse	analyses. All claims inc service. In no event shi
for for easily the line and the summaries which is the strength	aim arising whether based in contract	ent's exclusive remedy for any c	PLEASE NOTE: Liability and Damages, Cardinal's liability and cli	PLEASE NOTE: Liabli
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PRESERV. SAMPLING	MATRIX		LY	FOR LAB USE ONLY
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Phone #:		-	ation:	Project Location:
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City:		Project Owner:	Project #:03C2012032/03C2012088	Project #:03
Address:		Fax #:	2-557-8895	Phone #: 432-557-8895
Attn: Kelton Beaird	Zip: 79701	State: TX	đ	City: Midland
Company: BTA Oil Producers		uite 400	1 N Marienfeld Street, St	Address: 60
P.O. #:			ager: hadlie Green	Project Man
BILL TO			ame: Ensolum, LLC	Company Na
	40 76	Hobbs, NM 882 FAX (575) 393-24	101 East Marland, (575) 393-2326 F	
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August 12, 2024

HADLIE GREEN

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: ROJO 38-41 TANK BATTERY / ROJO 38-41 WELL PAD

Enclosed are the results of analyses for samples received by the laboratory on 08/06/24 16:29.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. 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 <a href="https://www.tceq.texas.gov/field/qa/lab\_accred\_certif.html">www.tceq.texas.gov/field/qa/lab\_accred\_certif.html</a>.

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:	08/06/2024	Sampling Date:	08/05/2024
Reported:	08/12/2024	Sampling Type:	Soil
Project Name:	Rojo 38-41 TANK BATTERY / Rojo 38-4	Sampling Condition:	Cool & Intact
Project Number:	03C2012032	Sample Received By:	Alyssa Parras
Project Location:	BTA - LEA CO.		

## Sample ID: FS 05A 5.5' (H244733-01)

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	08/07/2024	ND	1.99	99.7	2.00	5.06	
Toluene*	<0.050	0.050	08/07/2024	ND	1.98	98.8	2.00	4.21	
Ethylbenzene*	<0.050	0.050	08/07/2024	ND	2.03	101	2.00	3.89	
Total Xylenes*	<0.150	0.150	08/07/2024	ND	5.97	99.5	6.00	3.81	
Total BTEX	<0.300	0.300	08/07/2024	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	32.0	16.0	08/08/2024	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	08/07/2024	ND	191	95.7	200	1.34	
DRO >C10-C28*	<10.0	10.0	08/07/2024	ND	189	94.5	200	1.18	
EXT DRO >C28-C36	<10.0	10.0	08/07/2024	ND					
Surrogate: 1-Chlorooctane	92.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	90.9	% 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:	08/06/2024	Sampling Date:	08/06/2024
Reported:	08/12/2024	Sampling Type:	Soil
Project Name:	Rojo 38-41 Tank Battery / Rojo 38-4	Sampling Condition:	Cool & Intact
Project Number:	03C2012032	Sample Received By:	Alyssa Parras
Project Location:	BTA - LEA CO.		

## Sample ID: FS 10 5.5' (H244733-02)

BTEX 8021B	mg/	′kg	Analyze	d By: JH					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/07/2024	ND	1.99	99.7	2.00	5.06	
Toluene*	<0.050	0.050	08/07/2024	ND	1.98	98.8	2.00	4.21	GC-NC
Ethylbenzene*	<0.050	0.050	08/07/2024	ND	2.03	101	2.00	3.89	GC-NC
Total Xylenes*	<0.150	0.150	08/07/2024	ND	5.97	99.5	6.00	3.81	GC-NC
Total BTEX	<0.300	0.300	08/07/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	191 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	144	16.0	08/08/2024	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*	67.1	10.0	08/07/2024	ND	191	95.7	200	1.34	
DRO >C10-C28*	373	10.0	08/07/2024	ND	189	94.5	200	1.18	
EXT DRO >C28-C36	131	10.0	08/07/2024	ND					
Surrogate: 1-Chlorooctane	98.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	96.4	% 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:	08/06/2024	Sampling Date:	08/06/2024
Reported:	08/12/2024	Sampling Type:	Soil
Project Name:	Rojo 38-41 TANK BATTERY / Rojo 38-4	Sampling Condition:	Cool & Intact
Project Number:	03C2012032	Sample Received By:	Alyssa Parras
Project Location:	BTA - LEA CO.		

## Sample ID: FS 12 5.5' (H244733-03)

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	08/07/2024	ND	1.99	99.7	2.00	5.06	
Toluene*	<0.050	0.050	08/07/2024	ND	1.98	98.8	2.00	4.21	
Ethylbenzene*	<0.050	0.050	08/07/2024	ND	2.03	101	2.00	3.89	GC-NC
Total Xylenes*	<0.150	0.150	08/07/2024	ND	5.97	99.5	6.00	3.81	GC-NC
Total BTEX	<0.300	0.300	08/07/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	121	% 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	08/08/2024	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	08/07/2024	ND	191	95.7	200	1.34	
DRO >C10-C28*	662	10.0	08/07/2024	ND	189	94.5	200	1.18	
EXT DRO >C28-C36	152	10.0	08/07/2024	ND					
Surrogate: 1-Chlorooctane	96.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	104	% 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:	08/06/2024	Sampling Date:	08/06/2024
Reported:	08/12/2024	Sampling Type:	Soil
Project Name:	Rojo 38-41 TANK BATTERY / Rojo 38-4	Sampling Condition:	Cool & Intact
Project Number:	03C2012032	Sample Received By:	Alyssa Parras
Project Location:	BTA - LEA CO.		

## Sample ID: FS 09A 6.5' (H244733-04)

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	08/07/2024	ND	1.99	99.7	2.00	5.06	
Toluene*	<0.050	0.050	08/07/2024	ND	1.98	98.8	2.00	4.21	
Ethylbenzene*	<0.050	0.050	08/07/2024	ND	2.03	101	2.00	3.89	GC-NC
Total Xylenes*	<0.150	0.150	08/07/2024	ND	5.97	99.5	6.00	3.81	
Total BTEX	<0.300	0.300	08/07/2024	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	08/08/2024	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	08/07/2024	ND	191	95.7	200	1.34	
DRO >C10-C28*	149	10.0	08/07/2024	ND	189	94.5	200	1.18	
EXT DRO >C28-C36	23.4	10.0	08/07/2024	ND					
Surrogate: 1-Chlorooctane	95.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	96.0	% 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:	08/06/2024	Sampling Date:	08/06/2024
Reported:	08/12/2024	Sampling Type:	Soil
Project Name:	Rojo 38-41 TANK BATTERY / Rojo 38-4	Sampling Condition:	Cool & Intact
Project Number:	03C2012032	Sample Received By:	Alyssa Parras
Project Location:	BTA - LEA CO.		

## Sample ID: FS 11 5.5' (H244733-05)

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	08/07/2024	ND	1.99	99.7	2.00	5.06	
Toluene*	<0.050	0.050	08/07/2024	ND	1.98	98.8	2.00	4.21	
Ethylbenzene*	<0.050	0.050	08/07/2024	ND	2.03	101	2.00	3.89	
Total Xylenes*	<0.150	0.150	08/07/2024	ND	5.97	99.5	6.00	3.81	
Total BTEX	<0.300	0.300	08/07/2024	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	<16.0	16.0	08/08/2024	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	08/07/2024	ND	191	95.7	200	1.34	
DRO >C10-C28*	70.5	10.0	08/07/2024	ND	189	94.5	200	1.18	
EXT DRO >C28-C36	15.2	10.0	08/07/2024	ND					
Surrogate: 1-Chlorooctane	91.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	91.3	% 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:	08/06/2024	Sampling Date:	08/06/2024
Reported:	08/12/2024	Sampling Type:	Soil
Project Name:	Rojo 38-41 TANK BATTERY / Rojo 38-4	Sampling Condition:	Cool & Intact
Project Number:	03C2012032	Sample Received By:	Alyssa Parras
Project Location:	BTA - LEA CO.		

## Sample ID: FS 13 5.5' (H244733-06)

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	08/07/2024	ND	1.99	99.7	2.00	5.06	
Toluene*	<0.050	0.050	08/07/2024	ND	1.98	98.8	2.00	4.21	
Ethylbenzene*	<0.050	0.050	08/07/2024	ND	2.03	101	2.00	3.89	
Total Xylenes*	<0.150	0.150	08/07/2024	ND	5.97	99.5	6.00	3.81	
Total BTEX	<0.300	0.300	08/07/2024	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	08/08/2024	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	08/07/2024	ND	191	95.7	200	1.34	
DRO >C10-C28*	18.4	10.0	08/07/2024	ND	189	94.5	200	1.18	
EXT DRO >C28-C36	<10.0	10.0	08/07/2024	ND					
Surrogate: 1-Chlorooctane	100 \$	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	98.2	% 49.1-14	8						

#### Cardinal Laboratories

\*=Accredited Analyte

Celez 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.
GC-NC	8260 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are reported as ND.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

#### **Cardinal Laboratories**

## \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

#### Received by OCD: 10/25/2024 10:38:28 AM Project Manager: Had lie Company Name: Stry: Millianu Phone #: H32 - 557 - 8695 Fax #: Millianu Project #: H32 - 557 - 8695 Fax #: Millianu Project #: H32 - 557 - 8695 Fax #: Millianu Project #: H32 - 557 - 8695 Fax #: Millianu Project #: H32 - 557 - 8695 Fax #: Millianu Sampler Name: Project Location: 5 Address: Relinquished By: Relinquished By service. In no event shall Cardinal be liable for incidental or cont PLEASE NOTE: Lability and Damages. Cardina's liability and dient's exclusive remedy for any claim arising whether based is contract or lort, shall be limited to the amount public on of the applicable analyses. All claims including those for negligence and any other cause whatsoever shall be deemed whynd unless made is whiting and received by Cardinal within 30 days after completion of the applicable analyses. All claims including those for negligence and any other cause whatsoever shall be deemed whynd unless made is whiting and received by Cardinal within 30 days after completion of the applicable analyses. All claims including those for negligence and any other cause whatsoever shall be deemed whynd unless made is whet are releved by Cardinal within 30 days after completion of the applicable analyses. All claims including those for negligence and any other cause whatsoever shall be deemed whynd unless made in whiting and received by Cardinal within 30 days after completion of the applicable analyses. All claims including those for negligence and any other cause whatsoever shall be deemed whynd unless made is an or beau of write including the shall be deemed within 30 days after completion of the applicable analyses. All claims including those for negligence and any other cause whatsoever shall be deemed why days after completion of the applicable and the shall be deemed within a shall be deemed whether and the shall be deemed whether and the shall be deemed by claims and the shall be deemed whether and the shall be deemed by claims and 1244 732 FOR LAB USE ONLY Sampler - UPS - Bus - Other: Lab I.D. Delivered By: (Circle One) C C 601 N. Marienfeld St. STE 400 3 Sample I.D. 2. Ensolum, LLC ari 80 5 Q 5 -10 (y) Green 0 P ١ Corrected Observed Temp. °C 103 Date: Sample Depth State: ental Date: Time: Time: De J + 57 J 51 51 0 Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinaliabsnm.com damages, including without limitation, business interr (feet) in Lemp. 'n in 51 5 124 5 ŝ 20 ŕ Z 6502 nder by Ca Mº 0362017 ô Zip: (G)RAB OR (C)OMP. \* Received By: **Received By: # CONTAINERS** × 79701 GROUNDWATER Cool Intact WASTEWATER of whether such claim is based upon any of the above Sample Condition MATRIX SOIL OIL HI 2 20 12 tions, loss of use, or loss of profits incurred by client, its subsidiaries SLUDGE P.O. #: Company: Kal State: X city: Mid/ Attn: Fax #: Address: 1 OTHER Phone #: PRESERV ACID/BASE: ICE / COOL ~ CHECKED BY: 5 OTHER (Initials) 045 3 F Zip: and 00 04 57 DATE 10/24

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Verbal Result:

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Turnaround Time: 5 days Thermometer ID #11

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Rush Standard

Bacteria (only) Sample Condition Cool Intact Observed Temp. Ves Yes Nc No Corrected Temp.

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ection Factor

101 East Marland, Hobbs, NM 88240

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ARDIN

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

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ANALYSIS

REQUEST

Page 9 of 9

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SAMPLING

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BTEX



August 14, 2024

HADLIE GREEN ENSOLUM, LLC 705 W WADLEY AVE.

MIDLAND, TX 79705

RE: BTA ROJO 38 41 TANK BATTERY/WELL PAD

Enclosed are the results of analyses for samples received by the laboratory on 08/08/24 13:45.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. 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 <a href="https://www.tceq.texas.gov/field/ga/lab\_accred\_certif.html">www.tceq.texas.gov/field/ga/lab\_accred\_certif.html</a>.

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:	08/08/2024	Sampling Date:	08/07/2024
Reported:	08/14/2024	Sampling Type:	Soil
Project Name:	BTA ROJO 38 41 TANK BATTERY/WELL F	Sampling Condition:	Cool & Intact
Project Number:	03C2012032/03C2012088	Sample Received By:	Tamara Oldaker
Project Location:	32.08719,-103.56502		

## Sample ID: FS 14 6.5' (H244785-01)

BTEX 8021B	mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS % Recovery	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/08/2024	ND	2.13	107	2.00	1.13	
Toluene*	<0.050	0.050	08/08/2024	ND	2.12	106	2.00	0.466	
Ethylbenzene*	<0.050	0.050	08/08/2024	ND	2.14	107	2.00	0.578	GC-NC
Total Xylenes*	<0.150	0.150	08/08/2024	ND	6.38	106	6.00	0.0268	
Total BTEX	<0.300	0.300	08/08/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	118 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	08/09/2024	ND	416	104	400	3.77	
TPH 8015M	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/09/2024	ND	198	99.0	200	7.92	
DRO >C10-C28*	317	10.0	08/09/2024	ND	194	97.0	200	8.94	
EXT DRO >C28-C36	46.5	10.0	08/09/2024	ND					
Surrogate: 1-Chlorooctane	75.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	86.9	% 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:	08/08/2024	Sampling Date:	08/07/2024
Reported:	08/14/2024	Sampling Type:	Soil
Project Name:	BTA ROJO 38 41 TANK BATTERY/WELL F	Sampling Condition:	Cool & Intact
Project Number:	03C2012032/03C2012088	Sample Received By:	Tamara Oldaker
Project Location:	32.08719,-103.56502		

#### Sample ID: FS 15 4.5' (H244785-02)

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	08/08/2024	ND	2.13	107	2.00	1.13	
Toluene*	<0.050	0.050	08/08/2024	ND	2.12	106	2.00	0.466	
Ethylbenzene*	<0.050	0.050	08/08/2024	ND	2.14	107	2.00	0.578	GC-NC
Total Xylenes*	<0.150	0.150	08/08/2024	ND	6.38	106	6.00	0.0268	
Total BTEX	<0.300	0.300	08/08/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	107 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	08/09/2024	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	08/09/2024	ND	198	99.0	200	7.92	
DRO >C10-C28*	395	10.0	08/09/2024	ND	194	97.0	200	8.94	
EXT DRO >C28-C36	62.5	10.0	08/09/2024	ND					
Surrogate: 1-Chlorooctane	77.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	90.7	% 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:	08/08/2024	Sampling Date:	08/07/2024
Reported:	08/14/2024	Sampling Type:	Soil
Project Name:	BTA ROJO 38 41 TANK BATTERY/WELL F	Sampling Condition:	Cool & Intact
Project Number:	03C2012032/03C2012088	Sample Received By:	Tamara Oldaker
Project Location:	32.08719,-103.56502		

#### Sample ID: FS 16 4.5' (H244785-03)

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	08/09/2024	ND	2.13	107	2.00	1.13	
Toluene*	<0.050	0.050	08/09/2024	ND	2.12	106	2.00	0.466	
Ethylbenzene*	<0.050	0.050	08/09/2024	ND	2.14	107	2.00	0.578	
Total Xylenes*	<0.150	0.150	08/09/2024	ND	6.38	106	6.00	0.0268	
Total BTEX	<0.300	0.300	08/09/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.8	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/09/2024	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	08/09/2024	ND	198	99.0	200	7.92	
DRO >C10-C28*	73.1	10.0	08/09/2024	ND	194	97.0	200	8.94	
EXT DRO >C28-C36	12.3	10.0	08/09/2024	ND					
Surrogate: 1-Chlorooctane	86.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	102 9	% 49.1-14	8						

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\*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



# **Notes and Definitions**

QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
GC-NC	8260 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are reported as ND.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

#### **Cardinal Laboratories**

#### \*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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

#### Project Name: 12010 38-41 7 Project #: 030201 Phone #: 432-55 City: Midland Project Manager: Add 16 Company Name: Sampler Name: Project Location: Address: Relinquished By: PLEASE NOTE: Liability and Damages. Cardina's liability and client's exclusive remedy for any claim arising analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived Relinquished By service. In no event shall Cardinal be liable FOR LAB USE ONLY Sampler - UPS - Bus - Other: 1244785 Delivered By: (Circle One) Lab I.D. 601 N. Marienfeld St. STE 400 3 S 101 East Marland, Hobbs, NM 88240 3 32. (575) 393-2326 FAX (575) 393-2476 FS10 FS14 Sample I.D. FS 15 ariaha 12032 1-8895 08719 Incidental or Ureen 03 Tank Battery/ 2010 Observed Temp."C Corrected ł 3 Project Owner: Times Sample Depth Del State: Date: Date: 0.5 03.5 Time: 4.5 4.5 + Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com (feet) Temp ages, including without ¥ 450 10 Zip: 0 ) (G)RAB OR (C)OMP KY 01 1 Received By Received By 0 # CONTAINERS limitation, busi 38-41 79701 GROUNDWATER whether based in contract or tort, shall be limited to the amount paid by the client for the unless made in writing and received by Cardinal within 30 days after completion of the applicable Cool Intact Sample Condition WASTEWATER WEILP MATRIX SOIL $\times \times$ OIL SLUDGE State: TX Zip: loss of use, or loss of profits P.O. #: Fax #: Phone #: Company: BTA OTHER Attn: Kau Address: ACID/BASE PRESERV upon any of the above stated CHECKED BY: ICE / COOL $\times$ × BILL TO (Initials) OTHER 045 Zip: Ramos DATE 724 incurred by client, its subsidiaries SAMPLING 0 010 Pecos. 10:10 10:00 Verbal Result: All Results are emailed. Please provide Email address: 8:35 Turnaround Time: REMARKS: BTA INCIDENT #11 hermometer ID #143 TIME incident #: nApp2123555001, nApp2400854444 Blennings@ensolum.com gaveen eensolum.com , timorri restion Factor S hloride 4 0.50 Yes TPH Standard Rush BTEX 0.60 **WNO** ANALYSIS Add'l Phone #: Bacteria (only) Sample Condition Cool Intact Observed Temp. Yes Yes Nc No Corrected Temp. REQUEST Observed Temp. °C Corrected Temp. °C 30

# Received by OCD: 10/25/2024 10:38:28 AM

Released to Imaging: 3/4/2025 2:43:53 PM

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST



August 23, 2024

HADLIE GREEN ENSOLUM 3122 NATIONAL PARKS HWY CARLSBAD, NM 88220

RE: ROJO 38-41 TANK BATTERY / ROJO 38-41 WELL PAD

Enclosed are the results of analyses for samples received by the laboratory on 08/22/24 15:42.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. 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 <a href="https://www.tceq.texas.gov/field/qa/lab\_accred\_certif.html">www.tceq.texas.gov/field/qa/lab\_accred\_certif.html</a>.

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,

Whe Singh

Mike Snyder For Celey D. Keene Lab Director/Quality Manager



ENSOLUM HADLIE GREEN 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received:	08/22/2024	Sampling Date:	08/21/2024
Reported:	08/23/2024	Sampling Type:	Soil
Project Name:	Rojo 38-41 Tank Battery / Rojo 38-4	Sampling Condition:	Cool & Intact
Project Number:	03C2012032/03C2012088	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA		

# Sample ID: FS 02 A 3' (H245128-01)

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	08/23/2024	ND	2.30	115	2.00	3.23	
Toluene*	<0.050	0.050	08/23/2024	ND	2.31	115	2.00	3.21	
Ethylbenzene*	<0.050	0.050	08/23/2024	ND	2.36	118	2.00	2.66	
Total Xylenes*	<0.150	0.150	08/23/2024	ND	7.03	117	6.00	2.47	
Total BTEX	<0.300	0.300	08/23/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	124 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	448	16.0	08/23/2024	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	08/23/2024	ND	197	98.6	200	0.426	
DRO >C10-C28*	507	10.0	08/23/2024	ND	198	98.9	200	2.27	
EXT DRO >C28-C36	94.6	10.0	08/23/2024	ND					
Surrogate: 1-Chlorooctane	96.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	129 9	% 49.1-14	8						

#### Cardinal Laboratories

\*=Accredited Analyte

Mite Sugar

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



ENSOLUM HADLIE GREEN 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received:	08/22/2024	Sampling Date:	08/21/2024
Reported:	08/23/2024	Sampling Type:	Soil
Project Name:	Rojo 38-41 TANK BATTERY / Rojo 38-4	Sampling Condition:	Cool & Intact
Project Number:	03C2012032/03C2012088	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA		

# Sample ID: FS 04 A 3' (H245128-02)

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	08/23/2024	ND	2.30	115	2.00	3.23	
Toluene*	<0.050	0.050	08/23/2024	ND	2.31	115	2.00	3.21	
Ethylbenzene*	<0.050	0.050	08/23/2024	ND	2.36	118	2.00	2.66	
Total Xylenes*	<0.150	0.150	08/23/2024	ND	7.03	117	6.00	2.47	
Total BTEX	<0.300	0.300	08/23/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	122	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	432	16.0	08/23/2024	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	08/23/2024	ND	197	98.6	200	0.426	
DRO >C10-C28*	167	10.0	08/23/2024	ND	198	98.9	200	2.27	
EXT DRO >C28-C36	18.2	10.0	08/23/2024	ND					
Surrogate: 1-Chlorooctane	94.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	124	% 49.1-14	8						

#### Cardinal Laboratories

\*=Accredited Analyte

Mite Sugar

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



ENSOLUM HADLIE GREEN 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received:	08/22/2024	Sampling Date:	08/21/2024
Reported:	08/23/2024	Sampling Type:	Soil
Project Name:	ROJO 38-41 TANK BATTERY / ROJO 38-4	Sampling Condition:	Cool & Intact
Project Number:	03C2012032/03C2012088	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA		

## Sample ID: FS 03 A 3' (H245128-03)

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	08/23/2024	ND	2.30	115	2.00	3.23	
Toluene*	<0.050	0.050	08/23/2024	ND	2.31	115	2.00	3.21	
Ethylbenzene*	<0.050	0.050	08/23/2024	ND	2.36	118	2.00	2.66	
Total Xylenes*	<0.150	0.150	08/23/2024	ND	7.03	117	6.00	2.47	
Total BTEX	<0.300	0.300	08/23/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	117 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	'kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	832	16.0	08/23/2024	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	08/23/2024	ND	197	98.6	200	0.426	
DRO >C10-C28*	15.4	10.0	08/23/2024	ND	198	98.9	200	2.27	
EXT DRO >C28-C36	<10.0	10.0	08/23/2024	ND					
Surrogate: 1-Chlorooctane	90.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	117 9	% 49.1-14	8						

#### Cardinal Laboratories

\*=Accredited Analyte

Mite Sugar

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



ENSOLUM HADLIE GREEN 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received:	08/22/2024	Sampling Date:	08/21/2024
Reported:	08/23/2024	Sampling Type:	Soil
Project Name:	ROJO 38-41 TANK BATTERY / ROJO 38-4	Sampling Condition:	Cool & Intact
Project Number:	03C2012032/03C2012088	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA		

## Sample ID: FS 07 A 4.5' (H245128-04)

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	08/23/2024	ND	2.30	115	2.00	3.23	
Toluene*	<0.050	0.050	08/23/2024	ND	2.31	115	2.00	3.21	
Ethylbenzene*	<0.050	0.050	08/23/2024	ND	2.36	118	2.00	2.66	
Total Xylenes*	<0.150	0.150	08/23/2024	ND	7.03	117	6.00	2.47	
Total BTEX	<0.300	0.300	08/23/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	120	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	08/23/2024	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	08/23/2024	ND	197	98.6	200	0.426	
DRO >C10-C28*	<10.0	10.0	08/23/2024	ND	198	98.9	200	2.27	
EXT DRO >C28-C36	<10.0	10.0	08/23/2024	ND					
Surrogate: 1-Chlorooctane	90.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	116 9	% 49.1-14	8						

#### **Cardinal Laboratories**

\*=Accredited Analyte

Mite Sugar

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



ENSOLUM HADLIE GREEN 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received:	08/22/2024	Sampling Date:	08/21/2024
Reported:	08/23/2024	Sampling Type:	Soil
Project Name:	Rojo 38-41 Tank Battery / Rojo 38-4	Sampling Condition:	Cool & Intact
Project Number:	03C2012032/03C2012088	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA		

## Sample ID: SW 07 0-6.5' (H245128-05)

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	08/23/2024	ND	2.30	115	2.00	3.23	
Toluene*	<0.050	0.050	08/23/2024	ND	2.31	115	2.00	3.21	
Ethylbenzene*	<0.050	0.050	08/23/2024	ND	2.36	118	2.00	2.66	
Total Xylenes*	<0.150	0.150	08/23/2024	ND	7.03	117	6.00	2.47	
Total BTEX	<0.300	0.300	08/23/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	121	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	08/23/2024	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	08/23/2024	ND	197	98.6	200	0.426	
DRO >C10-C28*	<10.0	10.0	08/23/2024	ND	198	98.9	200	2.27	
EXT DRO >C28-C36	<10.0	10.0	08/23/2024	ND					
Surrogate: 1-Chlorooctane	85.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	107 :	% 49.1-14	8						

#### **Cardinal Laboratories**

\*=Accredited Analyte

mite Sugar

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



ENSOLUM HADLIE GREEN 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received:	08/22/2024	Sampling Date:	08/21/2024
Reported:	08/23/2024	Sampling Type:	Soil
Project Name:	Rojo 38-41 TANK BATTERY / Rojo 38-4	Sampling Condition:	Cool & Intact
Project Number:	03C2012032/03C2012088	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA		

## Sample ID: SW 05 0-3' (H245128-06)

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	08/23/2024	ND	2.30	115	2.00	3.23	
Toluene*	<0.050	0.050	08/23/2024	ND	2.31	115	2.00	3.21	
Ethylbenzene*	<0.050	0.050	08/23/2024	ND	2.36	118	2.00	2.66	
Total Xylenes*	<0.150	0.150	08/23/2024	ND	7.03	117	6.00	2.47	
Total BTEX	<0.300	0.300	08/23/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	120	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	08/23/2024	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	08/23/2024	ND	197	98.6	200	0.426	
DRO >C10-C28*	<10.0	10.0	08/23/2024	ND	198	98.9	200	2.27	
EXT DRO >C28-C36	<10.0	10.0	08/23/2024	ND					
Surrogate: 1-Chlorooctane	<i>93.8</i>	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	116 9	% 49.1-14	8						

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\*=Accredited Analyte

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



ENSOLUM HADLIE GREEN 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received:	08/22/2024	Sampling Date:	08/21/2024
Reported:	08/23/2024	Sampling Type:	Soil
Project Name:	ROJO 38-41 TANK BATTERY / ROJO 38-4	Sampling Condition:	Cool & Intact
Project Number:	03C2012032/03C2012088	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA		

## Sample ID: SW 06 0-5.5' (H245128-07)

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	08/23/2024	ND	2.30	115	2.00	3.23	
Toluene*	<0.050	0.050	08/23/2024	ND	2.31	115	2.00	3.21	
Ethylbenzene*	<0.050	0.050	08/23/2024	ND	2.36	118	2.00	2.66	
Total Xylenes*	<0.150	0.150	08/23/2024	ND	7.03	117	6.00	2.47	
Total BTEX	<0.300	0.300	08/23/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	121	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	08/23/2024	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	08/23/2024	ND	197	98.6	200	0.426	
DRO >C10-C28*	<10.0	10.0	08/23/2024	ND	198	98.9	200	2.27	
EXT DRO >C28-C36	<10.0	10.0	08/23/2024	ND					
Surrogate: 1-Chlorooctane	92.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	117 9	% 49.1-14	8						

#### Cardinal Laboratories

\*=Accredited Analyte

mite Sugar

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



ENSOLUM HADLIE GREEN 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received:	08/22/2024	Sampling Date:	08/21/2024
Reported:	08/23/2024	Sampling Type:	Soil
Project Name:	ROJO 38-41 TANK BATTERY / ROJO 38-4	Sampling Condition:	Cool & Intact
Project Number:	03C2012032/03C2012088	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA		

## Sample ID: SW 10 0-6.5' (H245128-08)

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	08/23/2024	ND	2.30	115	2.00	3.23	
Toluene*	<0.050	0.050	08/23/2024	ND	2.31	115	2.00	3.21	
Ethylbenzene*	<0.050	0.050	08/23/2024	ND	2.36	118	2.00	2.66	
Total Xylenes*	<0.150	0.150	08/23/2024	ND	7.03	117	6.00	2.47	
Total BTEX	<0.300	0.300	08/23/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	117 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	672	16.0	08/23/2024	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	08/23/2024	ND	197	98.6	200	0.426	
DRO >C10-C28*	<10.0	10.0	08/23/2024	ND	198	98.9	200	2.27	
EXT DRO >C28-C36	<10.0	10.0	08/23/2024	ND					
Surrogate: 1-Chlorooctane	93.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	119 9	% 49.1-14	8						

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\*=Accredited Analyte

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



ENSOLUM HADLIE GREEN 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received:	08/22/2024	Sampling Date:	08/21/2024
Reported:	08/23/2024	Sampling Type:	Soil
Project Name:	Rojo 38-41 Tank Battery / Rojo 38-4	Sampling Condition:	Cool & Intact
Project Number:	03C2012032/03C2012088	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA		

#### Sample ID: FS 08 A 4.5' (H245128-09)

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	08/23/2024	ND	2.30	115	2.00	3.23	
Toluene*	<0.050	0.050	08/23/2024	ND	2.31	115	2.00	3.21	
Ethylbenzene*	<0.050	0.050	08/23/2024	ND	2.36	118	2.00	2.66	
Total Xylenes*	<0.150	0.150	08/23/2024	ND	7.03	117	6.00	2.47	
Total BTEX	<0.300	0.300	08/23/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	119 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	08/23/2024	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	08/23/2024	ND	197	98.6	200	0.426	
DRO >C10-C28*	<10.0	10.0	08/23/2024	ND	198	98.9	200	2.27	
EXT DRO >C28-C36	<10.0	10.0	08/23/2024	ND					
Surrogate: 1-Chlorooctane	87.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	110 9	% 49.1-14	8						

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\*=Accredited Analyte

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



ENSOLUM HADLIE GREEN 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received:	08/22/2024	Sampling Date:	08/21/2024
Reported:	08/23/2024	Sampling Type:	Soil
Project Name:	Rojo 38-41 Tank Battery / Rojo 38-4	Sampling Condition:	Cool & Intact
Project Number:	03C2012032/03C2012088	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA		

# Sample ID: FS 17 3' (H245128-10)

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	08/23/2024	ND	2.30	115	2.00	3.23	
Toluene*	<0.050	0.050	08/23/2024	ND	2.31	115	2.00	3.21	
Ethylbenzene*	<0.050	0.050	08/23/2024	ND	2.36	118	2.00	2.66	
Total Xylenes*	<0.150	0.150	08/23/2024	ND	7.03	117	6.00	2.47	
Total BTEX	<0.300	0.300	08/23/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	124	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	08/23/2024	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2024	ND	197	98.6	200	0.426	
DRO >C10-C28*	<10.0	10.0	08/23/2024	ND	198	98.9	200	2.27	
EXT DRO >C28-C36	<10.0	10.0	08/23/2024	ND					
Surrogate: 1-Chlorooctane	92.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	117	% 49.1-14	8						

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\*=Accredited Analyte

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



ENSOLUM HADLIE GREEN 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received:	08/22/2024	Sampling Date:	08/21/2024
Reported:	08/23/2024	Sampling Type:	Soil
Project Name:	ROJO 38-41 TANK BATTERY / ROJO 38-4	Sampling Condition:	Cool & Intact
Project Number:	03C2012032/03C2012088	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA		

# Sample ID: FS 18 3' (H245128-11)

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	08/23/2024	ND	2.30	115	2.00	3.23	
Toluene*	<0.050	0.050	08/23/2024	ND	2.31	115	2.00	3.21	
Ethylbenzene*	<0.050	0.050	08/23/2024	ND	2.36	118	2.00	2.66	
Total Xylenes*	<0.150	0.150	08/23/2024	ND	7.03	117	6.00	2.47	
Total BTEX	<0.300	0.300	08/23/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	119 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	08/23/2024	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2024	ND	197	98.6	200	0.426	
DRO >C10-C28*	<10.0	10.0	08/23/2024	ND	198	98.9	200	2.27	
EXT DRO >C28-C36	<10.0	10.0	08/23/2024	ND					
Surrogate: 1-Chlorooctane	85.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	109	% 49.1-14	8						

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\*=Accredited Analyte

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



ENSOLUM HADLIE GREEN 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received:	08/22/2024	Sampling Date:	08/21/2024
Reported:	08/23/2024	Sampling Type:	Soil
Project Name:	Rojo 38-41 TANK BATTERY / Rojo 38-4	Sampling Condition:	Cool & Intact
Project Number:	03C2012032/03C2012088	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA		

# Sample ID: SW 08 0-4.5' (H245128-12)

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	08/23/2024	ND	2.30	115	2.00	3.23	
Toluene*	<0.050	0.050	08/23/2024	ND	2.31	115	2.00	3.21	
Ethylbenzene*	<0.050	0.050	08/23/2024	ND	2.36	118	2.00	2.66	
Total Xylenes*	<0.150	0.150	08/23/2024	ND	7.03	117	6.00	2.47	
Total BTEX	<0.300	0.300	08/23/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	117 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	512	16.0	08/23/2024	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	08/23/2024	ND	197	98.6	200	0.426	
DRO >C10-C28*	<10.0	10.0	08/23/2024	ND	198	98.9	200	2.27	
EXT DRO >C28-C36	<10.0	10.0	08/23/2024	ND					
Surrogate: 1-Chlorooctane	93.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	119 9	% 49.1-14	8						

#### Cardinal Laboratories

\*=Accredited Analyte

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



ENSOLUM HADLIE GREEN 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received:	08/22/2024	Sampling Date:	08/21/2024
Reported:	08/23/2024	Sampling Type:	Soil
Project Name:	Rojo 38-41 Tank Battery / Rojo 38-4	Sampling Condition:	Cool & Intact
Project Number:	03C2012032/03C2012088	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA		

# Sample ID: SW 09 0-5.5' (H245128-13)

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	08/22/2024	ND	2.11	106	2.00	2.30	
Toluene*	<0.050	0.050	08/22/2024	ND	2.04	102	2.00	3.23	
Ethylbenzene*	<0.050	0.050	08/22/2024	ND	2.05	103	2.00	4.39	
Total Xylenes*	<0.150	0.150	08/22/2024	ND	6.09	102	6.00	4.65	
Total BTEX	<0.300	0.300	08/22/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.4	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/23/2024	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	08/23/2024	ND	204	102	200	1.07	
DRO >C10-C28*	<10.0	10.0	08/23/2024	ND	203	101	200	1.00	
EXT DRO >C28-C36	<10.0	10.0	08/23/2024	ND					
Surrogate: 1-Chlorooctane	112 9	48.2-13	4						
Surrogate: 1-Chlorooctadecane	133 9	% 49.1-14	8						

#### Cardinal Laboratories

\*=Accredited Analyte

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Mike Snyder For 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.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

#### Cardinal Laboratories

#### \*=Accredited Analyte

Mite Sugar

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



August 26, 2024

HADLIE GREEN

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: ROJO 38-41 TANK BATTERY / ROJO 38-41 WELL PAD

Enclosed are the results of analyses for samples received by the laboratory on 08/23/24 14:22.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. 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 <a href="https://www.tceq.texas.gov/field/ga/lab\_accred\_certif.html">www.tceq.texas.gov/field/ga/lab\_accred\_certif.html</a>.

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,

Whe Singh

Mike Snyder For Celey D. Keene Lab Director/Quality Manager



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

Received:	08/23/2024	Sampling Date:	08/23/2024
Reported:	08/26/2024	Sampling Type:	Soil
Project Name:	ROJO 38-41 TANK BATTERY / ROJO 38-4	Sampling Condition:	Cool & Intact
Project Number:	03C2012032 / 03C2012088	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA - LEA CO.		

# Sample ID: FS 01 3' (H245155-01)

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	08/23/2024	ND	2.23	112	2.00	6.88	
Toluene*	<0.050	0.050	08/23/2024	ND	2.13	106	2.00	6.28	
Ethylbenzene*	<0.050	0.050	08/23/2024	ND	2.10	105	2.00	5.95	
Total Xylenes*	<0.150	0.150	08/23/2024	ND	6.23	104	6.00	6.09	
Total BTEX	<0.300	0.300	08/23/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.5	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	08/26/2024	ND	432	108	400	3.64	
TPH 8015M	mg,	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2024	ND	220	110	200	3.50	
DRO >C10-C28*	67.3	10.0	08/23/2024	ND	215	107	200	5.58	
EXT DRO >C28-C36	<10.0	10.0	08/23/2024	ND					
Surrogate: 1-Chlorooctane	95.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	118 9	% 49.1-14	8						

#### Cardinal Laboratories

\*=Accredited Analyte

mite Sugar

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/23/2024	Sampling Date:	08/23/2024
Reported:	08/26/2024	Sampling Type:	Soil
Project Name:	ROJO 38-41 TANK BATTERY / ROJO 38-4	Sampling Condition:	Cool & Intact
Project Number:	03C2012032 / 03C2012088	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA - LEA CO.		

#### Sample ID: SW 01 3' (H245155-02)

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	08/23/2024	ND	2.23	112	2.00	6.88	
Toluene*	<0.050	0.050	08/23/2024	ND	2.13	106	2.00	6.28	
Ethylbenzene*	<0.050	0.050	08/23/2024	ND	2.10	105	2.00	5.95	
Total Xylenes*	<0.150	0.150	08/23/2024	ND	6.23	104	6.00	6.09	
Total BTEX	<0.300	0.300	08/23/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.4	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/26/2024	ND	432	108	400	3.64	
TPH 8015M	mg	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2024	ND	220	110	200	3.50	
DRO >C10-C28*	21.4	10.0	08/23/2024	ND	215	107	200	5.58	
EXT DRO >C28-C36	<10.0	10.0	08/23/2024	ND					
Surrogate: 1-Chlorooctane	90.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	109	% 49.1-14	8						

#### Cardinal Laboratories

\*=Accredited Analyte

Mite Sugar

Mike Snyder For 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

#### Cardinal Laboratories

#### \*=Accredited Analyte

Mite Sugar

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

<u> </u>	6	S		

			BILL TO	P	ANALYSIS REQUEST	L
Ensolum, I	5		P.O. #:	_		
Project Manager. Ug//ntr @go			KO ALLI WALL			_
Address: 601 N. Marienield St. 31E 400	2		Drav Dra			_
T	State: IN Lip:	10101	F	55 FX.		
Phone #: > 17 -67 (-11/5	Fax #:		diand			
20 14070	HUY / PAD 3 9-	ILI WELL Pud	State: TV ZID: TV	100		
1-4-	/ Mun 10-	11 more				
Project Location: 32.08714	-101,26702		Phone #:	0		
Sampler Name: Nouth Juler			1			
		MATRIX	PRESERV. SAM	SAMPLING		
Lab I.D. Sample I.D.	Sample Depth (feet)	(G)RAB OR (C)OMP # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE	OTHER : ACID/BASE: ICE / COOL OTHER :	BTEY TDA		
1054 \$ CICh7 #	3	1	12/23/24 X	Ollo XX X		
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				In two the client for the		
PLEASE NOTE: Lability and Damages. Cardina's liability and client's exclusive remedy for any claim arising whether based is confract or bot, shall be limited to the amount your or uncrusted or the applicable analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unsets made is writing and received by Cardinal within 30 days after completion of the applicable analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unsets made is writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall be liable for incidential or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, service. In no event shall Cardinal be liable for incidential or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, service. In no event shall Cardinal be liable for incidential or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, and the second	and client's exclusive remedy for any rother cause whatsoever shall be de consequental damages, including w	claim arising whether based in contrac erned waived unless made in writing ar thout ilmitation, business interruptions	A or tort, shall be limited to trive amounts print nd received by Cardinal within 30 days at loss of use, or loss of profits incurred by a is based upon any of the above stated a n is based upon any of the above stated and the above stated and the states of the above states and the above states are above states ar	ar completion of the applicable crompletion of the applicable client, its subsidiaries, easons or otherwise.		
Relinquished By:	Time: 422	Time: 1422 Shod Will Will	Theme	itt: 2 Yes 10	No IAdd' Phone #: se provide Email address: 99489186450.000, (200/ + MDWN/5814 ) Bufaluur	m
Relinquished By:	Date: Time:	Received By:	(	THOUGHT IT NAME 2 277 000		
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Observed Temp. *C	Sample Condition Cool Intact Pres Yes	ition CHECKED BY: (Initials) es	Turnaround Time: Standard	Cool Intact Observed Temp. *C Ves Yes No Corrected Temp. *C	
FURM-000 R 3.2 10/07/21	† Cardinal ca	nnot accept verbal ch	anges. Please email ch	Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com	snm.com	





August 28, 2024

GARRETT GREEN ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: ROJO 38-41 TANK BATTERY / ROJO 38-41 WELL PAD

Enclosed are the results of analyses for samples received by the laboratory on 08/27/24 13:28.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. 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 <a href="https://www.tceq.texas.gov/field/qa/lab\_accred\_certif.html">www.tceq.texas.gov/field/qa/lab\_accred\_certif.html</a>.

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 GARRETT GREEN 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received:	08/27/2024	Sampling Date:	08/27/2024
Reported:	08/28/2024	Sampling Type:	Soil
Project Name:	Rojo 38-41 TANK BATTERY / Rojo 38-4	Sampling Condition:	Cool & Intact
Project Number:	03C2012032/03C2012088	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA - LEA CO.		

# Sample ID: SW - 11 0-6.5' (H245208-01)

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	08/27/2024	ND	1.93	96.4	2.00	0.204	
Toluene*	<0.050	0.050	08/27/2024	ND	1.86	93.0	2.00	0.911	
Ethylbenzene*	<0.050	0.050	08/27/2024	ND	1.86	93.0	2.00	0.958	
Total Xylenes*	<0.150	0.150	08/27/2024	ND	5.54	92.4	6.00	1.14	
Total BTEX	<0.300	0.300	08/27/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.4	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/28/2024	ND	448	112	400	3.64	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/28/2024	ND	217	109	200	2.85	
DRO >C10-C28*	<10.0	10.0	08/28/2024	ND	196	98.2	200	0.734	
EXT DRO >C28-C36	<10.0	10.0	08/28/2024	ND					
Surrogate: 1-Chlorooctane	72.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	77.1	% 49.1-14	8						

#### Cardinal Laboratories

#### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/27/2024	Sampling Date:	08/27/2024
Reported:	08/28/2024	Sampling Type:	Soil
Project Name:	Rojo 38-41 TANK BATTERY / Rojo 38-4	Sampling Condition:	Cool & Intact
Project Number:	03C2012032/03C2012088	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA - LEA CO.		

#### Sample ID: FS 02B 4' (H245208-02)

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	08/27/2024	ND	1.93	96.4	2.00	0.204	
Toluene*	<0.050	0.050	08/27/2024	ND	1.86	93.0	2.00	0.911	
Ethylbenzene*	<0.050	0.050	08/27/2024	ND	1.86	93.0	2.00	0.958	
Total Xylenes*	<0.150	0.150	08/27/2024	ND	5.54	92.4	6.00	1.14	
Total BTEX	<0.300	0.300	08/27/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.0	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/kg		Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	08/28/2024	ND	448	112	400	3.64	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/28/2024	ND	217	109	200	2.85	
DRO >C10-C28*	18.1	10.0	08/28/2024	ND	196	98.2	200	0.734	
EXT DRO >C28-C36	<10.0	10.0	08/28/2024	ND					
Surrogate: 1-Chlorooctane	68.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	72.5	% 49.1-14	8						

#### Cardinal Laboratories

\*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/27/2024	Sampling Date:	08/27/2024
Reported:	08/28/2024	Sampling Type:	Soil
Project Name:	Rojo 38-41 TANK BATTERY / Rojo 38-4	Sampling Condition:	Cool & Intact
Project Number:	03C2012032/03C2012088	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA - LEA CO.		

#### Sample ID: FS 03B 4' (H245208-03)

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	08/27/2024	ND	1.93	96.4	2.00	0.204	
Toluene*	<0.050	0.050	08/27/2024	ND	1.86	93.0	2.00	0.911	
Ethylbenzene*	<0.050	0.050	08/27/2024	ND	1.86	93.0	2.00	0.958	
Total Xylenes*	<0.150	0.150	08/27/2024	ND	5.54	92.4	6.00	1.14	
Total BTEX	<0.300	0.300	08/27/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.3	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/28/2024	ND	448	112	400	3.64	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/28/2024	ND	217	109	200	2.85	
DRO >C10-C28*	<10.0	10.0	08/28/2024	ND	196	98.2	200	0.734	
EXT DRO >C28-C36	<10.0	10.0	08/28/2024	ND					
Surrogate: 1-Chlorooctane	68.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	72.3	% 49.1-14	8						

#### Cardinal Laboratories

#### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/27/2024	Sampling Date:	08/27/2024
Reported:	08/28/2024	Sampling Type:	Soil
Project Name:	ROJO 38-41 TANK BATTERY / ROJO 38-4	Sampling Condition:	Cool & Intact
Project Number:	03C2012032/03C2012088	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA - LEA CO.		

#### Sample ID: FS 04B (H245208-04)

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	08/27/2024	ND	1.98	98.9	2.00	5.95	
Toluene*	<0.050	0.050	08/27/2024	ND	2.02	101	2.00	7.32	
Ethylbenzene*	<0.050	0.050	08/27/2024	ND	2.02	101	2.00	7.90	
Total Xylenes*	<0.150	0.150	08/27/2024	ND	6.16	103	6.00	7.39	
Total BTEX	<0.300	0.300	08/27/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500CI-B mg/kg		/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	08/28/2024	ND	448	112	400	3.64	
TPH 8015M mg/kg		Analyzed By: MS							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/28/2024	ND	217	109	200	2.85	
DRO >C10-C28*	35.2	10.0	08/28/2024	ND	196	98.2	200	0.734	
EXT DRO >C28-C36	<10.0	10.0	08/28/2024	ND					
Surrogate: 1-Chlorooctane	73.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	77.2	% 49.1-14	8						

#### Cardinal Laboratories

\*=Accredited Analyte

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

#### **Cardinal Laboratories**

#### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

#### Relinquished By: RS+29 Project Name: Project #: City: Midland Address: 601 N Marienfeld Street, Suite 400 Project Manager: Collect Cullen Company Name: Ensolum, LLC Relinquished By Sampler Name: Project Location: Phone #: LEASE NOTE: Liability and Sampler - UPS - Bus - Other: Delivered By: (Circle One) alyses. All claims including those for neglige FOR LAB USE ONLY rice. In no event shall Cardinal be Lab I.D. C W 0 20 120 575 MM 1000 20(2072 101 East Marland, Hobbs, NM 88240 1 (575) 393-2326 FAX (575) 393-2476 Sample I.D. 237-1752 ß 78-41 Tork Darken Roy - 38-41 ĝ f 1034 sapany ana cient's exclusive remody for any cam ansing whether based in contract or tort, shall be limited and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal Yod Tot Project Owner: Observed Fax #: Time 328 Date: Time: State: TX 10-12'S + Depth (feet) Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com lemp. H 2. H 3. uding without limitation, business Zip: 79701 00 G)RAB OR (C)OMP Received By: Received By C e' # CONTAINERS Z GROUNDWATER Well Sample Condition I No No Cool Intact WASTEWATER MATRIX XXX SOIL ad OIL claim is based upon any of the above SLUDGE loss of use, or loss of profits State: X City: M OTHER Fax #: Phone # P.O. #: tort, shall be Address: Brg ACID/BASE Sec PRESERV CHECKED BY: ICE / COOL 2010-1 (Initials) BILL 0 OTHER 04 COMOS Zip: within 30 days to the AULEN8 Spiny 121/24 4112 DATE 10 101ph SAMPLING Pelos St d by after paid by the client for the client, its su Turnaround Time: #140 -0.41 ALA REMARKS: DO: huj 000 うち 000 9 green @ Prisoun, 10m THOMisser @ Prisoun prrection Factor 8 TIME 100 Ptg tion of the applicable neter ID -#115 Pino. 8 01 61 5 T MANDAT □ Yes Q Z Chlord Standard 4500 244 dush 121238001 ( Napodoa) 1003324443 No No ANALYSIS Add'l Phone #: Cool Intact Bacteria (only) Sample Condition Nc No No REQUEST Corrected Temp. °C Observed Temp. (012 ô

aboratories

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 7 of 7

General Information Phone: (505) 629-6116

Online Phone Directory https://www.emnrd.nm.gov/ocd/contact-us

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

Page 213 of 220

QUESTIONS

Action 395900

QUESTIONS		
Operator:	OGRID:	
BTA OIL PRODUCERS, LLC	260297	
104 S Pecos	Action Number:	
Midland, TX 79701	395900	
	Action Type:	
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)	

#### QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2400854443
Incident Name	NAPP2400854443 ROJO 38-41 WELL PAD @ 30-025-46097
Incident Type	Produced Water Release
Incident Status	Remediation Closure Report Received
Incident Well	[30-025-46097] ROJO 7811 34 27 FEDERAL #040H

#### Location of Release Source

Please answer	all the	questions	in this	group.

Site Name	ROJO 38-41 WELL PAD
Date Release Discovered	01/07/2024
Surface Owner	Federal

#### Incident Details

Please answer all the questions in this group.		
Incident Type	Produced Water Release	
Did this release result in a fire or is the result of a fire	No	
Did this release result in any injuries	No	
Has this release reached or does it have a reasonable probability of reaching a watercourse	No	
Has this release endangered or does it have a reasonable probability of endangering public health	No	
Has this release substantially damaged or will it substantially damage property or the environment	No	
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No	

## Nature and Volume of Release

Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.		
Crude Oil Released (bbls) Details	Not answered.	
Produced Water Released (bbls) Details	Cause: Overflow - Tank, Pit, Etc.   Tank (Any)   Produced Water   Released: 88 BBL   Recovered: 80 BBL   Lost: 8 BBL.	
Is the concentration of chloride in the produced water >10,000 mg/l	No	
Condensate Released (bbls) Details	Not answered.	
Natural Gas Vented (Mcf) Details	Not answered.	
Natural Gas Flared (Mcf) Details	Not answered.	
Other Released Details	Not answered.	
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	The regulators to the supply gas from the #20 and #40 separators froze, causing the dumps to not operate. This sent excess fluid to the compressor tank, causing it to overflow.	

General Information Phone: (505) 629-6116

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

Page 214 of 220

QUESTIONS, Page 2

Action 395900

QUESTIONS (continued)			
Operator: OGRID:			
BTA OIL PRODUCERS, LLC	260297		
104 S Pecos	Action Number:		
Midland, TX 79701	395900		
	Action Type:		
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)		

QUESTIONS

....

Nature and Volume of Release (continued)		
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.	
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Yes	
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.	
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e	e. gas only) are to be submitted on the C-129 form.	

Initial Response		
The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.		
The source of the release has been stopped True		
The impacted area has been secured to protect human health and the environment	True	
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True	
All free liquids and recoverable materials have been removed and managed appropriately True		
If all the actions described above have not been undertaken, explain why Not answered. Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative		
actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.		
Subsection A or 19.13.29.11 NWAC), please prepare and attach an information needed for closure e		
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.		
I hereby agree and sign off to the above statement	Name: BTA ENSOLUM Title: Environmental Manager Email: rramos@btaoil.com Date: 10/25/2024	

General Information Phone: (505) 629-6116

Online Phone Directory https://www.emnrd.nm.gov/ocd/contact-us

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

**QUESTIONS** (continued)

Operator:	OGRID:
BTA OIL PRODUCERS, LLC	260297
104 S Pecos	Action Number:
Midland, TX 79701	395900
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

#### QUESTIONS

Site Characterization

Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 100 and 500 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release ar	nd the following surface areas:
A continuously flowing watercourse or any other significant watercourse	Between 1000 (ft.) and ½ (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Greater than 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1 and 5 (mi.)
Any other fresh water well or spring	Between 1 and 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 1000 (ft.) and ½ (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

#### Remediation Plan

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.		
Requesting a remediation	plan approval with this submission	Yes
Attach a comprehensive report de	monstrating the lateral and vertical extents of soil contamination	n associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.
Have the lateral and vertica	al extents of contamination been fully delineated	Yes
Was this release entirely c	ontained within a lined containment area	No
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)		
Chloride	(EPA 300.0 or SM4500 CI B)	5120
TPH (GRO+DRO+MRO)	(EPA SW-846 Method 8015M)	34440
GRO+DRO	(EPA SW-846 Method 8015M)	30200
BTEX	(EPA SW-846 Method 8021B or 8260B)	522
Benzene	(EPA SW-846 Method 8021B or 8260B)	29.1
	NMAC unless the site characterization report includes completed nelines for beginning and completing the remediation.	d efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC,
On what estimated date with	ill the remediation commence	05/11/2024
On what date will (or did) t	he final sampling or liner inspection occur	08/27/2024
On what date will (or was)	the remediation complete(d)	08/27/2024
What is the estimated surfa	ace area (in square feet) that will be reclaimed	20389
What is the estimated volu	me (in cubic yards) that will be reclaimed	2265
What is the estimated surfa	ace area (in square feet) that will be remediated	3558
What is the estimated volu	me (in cubic yards) that will be remediated	550
These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.		e time of submission and may (be) change(d) over time as more remediation efforts are completed.

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

QUESTIONS, Page 3

Action 395900

Page 215 of 220

General Information Phone: (505) 629-6116

Online Phone Directory https://www.emnrd.nm.gov/ocd/contact-us

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

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QUESTIONS, Page 4

Action 395900

QUESTIONS (continued)		
Operator: BTA OIL PRODUCERS, LLC	OGRID: 260297	
104 S Pecos Midland, TX 79701	Action Number: 395900	
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)	

#### QUESTIONS

Remediation Plan (continued)

Select all answers below that apply.)	
Ex Situ) Excavation and <b>off-site</b> disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	Not answered.
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	Not answered.
OR is the off-site disposal site, to be used, an NMED facility	Yes
What is the name of the NMED facility	OWL Landfill
Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	Not answered.
n Situ) Soil Vapor Extraction	Not answered.
n Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
n Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
n Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
round Water Abatement pursuant to 19.15.30 NMAC	Not answered.
THER (Non-listed remedial process)	Not answered.
Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed et h includes the anticipated timelines for beginning and completing the remediation.	fforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NM,

local laws and/or regulations.

I hereby agree and sign off to the above statement	Name: BTA ENSOLUM Title: Environmental Manager Email: rramos@btaoil.com Date: 10/25/2024

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

General Information Phone: (505) 629-6116

Online Phone Directory https://www.emnrd.nm.gov/ocd/contact-us

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

QUESTIONS, Page 5

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QUESTIONS (continued)		
Operator:	OGRID:	
BTA OIL PRODUCERS, LLC	260297	
104 S Pecos	Action Number:	
Midland, TX 79701	395900	
	Action Type:	
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)	

# QUESTIONS

Deferral Requests Only	
Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.	
Requesting a deferral of the remediation closure due date with the approval of this submission	Νο

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

QUESTIONS, Page 6

Action 395900

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QUESTIONS	continuea

Operator:	OGRID:
BTA OIL PRODUCERS, LLC	260297
104 S Pecos	Action Number:
Midland, TX 79701	395900
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	375720
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	08/28/2024
What was the (estimated) number of samples that were to be gathered	25
What was the sampling surface area in square feet	4500

Remediation Closure Request

Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.			
Requesting a remediation closure approval with this submission	Yes		
Have the lateral and vertical extents of contamination been fully delineated	Yes		
Was this release entirely contained within a lined containment area	No		
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes		
What was the total surface area (in square feet) remediated	3558		
What was the total volume (cubic yards) remediated	550		
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes		
What was the total surface area (in square feet) reclaimed	3558		
What was the total volume (in cubic yards) reclaimed	550		
Summarize any additional remediation activities not included by answers (above)	N/A		
The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (in .pdf format) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents o final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.			
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.			
	Name: BTA ENSOLUM		

	Name: BTA ENSOLUM
I hereby agree and sign off to the above statement	Title: Environmental Manager
Thereby agree and sign on to the above statement	Email: rramos@btaoil.com
	Date: 10/25/2024

General Information Phone: (505) 629-6116

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

QUESTIONS (continued)

Operator:	OGRID:
BTA OIL PRODUCERS, LLC	260297
104 S Pecos	Action Number:
Midland, TX 79701	395900
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

#### 

Reclamation Report	
Only answer the questions in this group if all reclamation steps have been completed.	
Requesting a reclamation approval with this submission	No

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

C	Operator:	OGRID:
	BTA OIL PRODUCERS, LLC	260297
	104 S Pecos	Action Number:
	Midland, TX 79701	395900
		Action Type:
		[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CON	CONDITIONS		
Cre	eated By	Condition	Condition Date
m	ichael.buchanan	The remediation closure report is approved. Please proceed to the reclamation plan for the site (19.15.29.13 NMAC).	3/4/2025

CONDITIONS

Action 395900