

August 15, 2023

#### **New Mexico Oil Conservation Division**

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

Re: Closure Request

Rojo 20 21 Tank Battery

Incident Number nAPP2123554329

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, excavation, and soil sampling activities performed at Rojo 20 21 Tank Battery (Site). The purpose of the excavation and soil sampling activities was to address impacts to soil resulting from the release of crude oil and produced water at the Site. Based on the excavation activities and laboratory analytical results from soil sampling events, BTA is submitting this *Closure Request*, describing remediation that has occurred and requesting closure for Incident Number nAPP2123554329.

#### SITE DESCRIPTION AND RELEASE SUMMARY

The Site is located in Unit L, Section 34, Township 25 South, Range 33 East, in Lea County, New Mexico (32.08642°, -103.56457°) and is associated with oil and gas exploration and production operations on federal land managed by the Bureau of Land Management (BLM).

On August 23, 2021, a separator failure caused the liquids tank to overflow and result in the release of approximately 7 barrels (bbls) of crude oil and 20 bbls of produced water to release within the earthen tank containment, onto the surface of the well pad, and into the adjacent pasture. A vacuum truck was dispatched to the Site to recover free-standing fluids: approximately 5 bbls of crude oil and 15 bbls of produced water were recovered. BTA immediately reported the release to the New Mexico Oil Conservation Division (NMOCD) on August 23, 2021, and submitted a Release Notification Form C-141 (Form C-141) on September 14, 2021. The release was assigned Incident Number nAPP2123554329.

#### 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 desktop review are presented on page 3 of the Form C-141s, Site Assessment/Characterization. Potential Site receptors are identified on Figure 1.

Depth to groundwater at the Site is estimated to be greater than 100 feet below ground surface (bgs) based on a recent soil boring drilled for determination of regional groundwater depth. On April 19, 2023, a boring (C-04732) was advanced to a depth of 106 feet bgs via air rotary drill rig. The borehole was located approximately 0.2 miles northwest of the Site and is depicted on Figure 1. A field geologist

BTA Oil Producers, LLC Closure Request Rojo 20 21 Tank Battery

logged and described soils continuously. The boring was left open for over 72 hours to allow for potential slow infill of groundwater. After the 72-hour waiting period without observing groundwater, it was confirmed that groundwater beneath the Site is greater than 100 feet bgs. The borehole was properly abandoned using drill cuttings and hydrated bentonite chips. All wells used for depth to groundwater determination are depicted on Figure 1 and the associated well records are included in Appendix A.

The closest continuously flowing or significant watercourse to the Site is a stream, located approximately 11,314 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

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

#### SITE ASSESSMENT ACTIVITIES AND LABORATORY ANALYTICAL RESULTS

Between May 11, 2023, and May 26, 2023, Ensolum personnel were at the Site to evaluate the release extent based on information provided the Form C-141, photographs from the initial release response, and visual observations. No visible indications of the release were observed during the Site visit. Assessment soil samples SS01 through SS10 were collected within and around the inferred release extent from a depth of 0.5 feet bgs to assess for the presence or absence of impacted soil and confirm the lateral extent of the surface release. Additionally, potholes were advanced via backhoe to a depth of 4 feet bgs at the location of assessment samples SS05, SS06, and SS08 through SS10, to further assess for the presence or absence of impacted soil within the inferred release area. Soil from the potholes was field screened for volatile organic compounds (VOCs) utilizing a calibrated photoionization detector (PID) and chloride using Hach® chloride QuanTab® test strips. Based on the absence of elevated field screening results, one discrete soil sample from the final pothole depth of 4 feet bgs was submitted for laboratory analysis from each pothole (SS05A, SS06A, and SS08A through SS10A). The inferred release area and soil sample locations were mapped utilizing a handheld Global Positioning System (GPS) unit and are depicted on Figure 2. Visual observations and field screening results for the potholes were logged on lithologic soil sampling logs which are included in Appendix B. Photographic documentation was completed during site assessment and a photographic log is included in Appendix C.

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



BTA Oil Producers, LLC Closure Request Rojo 20 21 Tank Battery

analysis of the following chemicals of concern (COCs): BTEX following United States Environmental Protection Agency (EPA) Method 8021B; TPH-gasoline range organics (GRO) and TPH-diesel range organics (DRO), and TPH-oil range organics (ORO) following EPA Method 8015M/D; and chloride following EPA Method 4500.0.

Laboratory analytical results for assessment soil samples SS01 through SS04, collected around the release extent, indicated all COC concentrations were compliant with the most stringent Table I Closure Criteria and successfully defined the lateral extent of the release. Laboratory analytical results for assessment soil samples SS05/SS05A, SS06/SS06A, and SS08/SS08A through SS10/SS10A, collected at depths ranging from 0.5 feet to 4 feet bgs within the inferred release area, indicated all COC concentrations were compliant with the most stringent Table I Closure Criteria. Laboratory analytical results for assessment sample SS07, collected near the release point at a depth of 0.5 feet bgs, indicated TPH concentrations exceeded the Site Closure Criteria. Based on laboratory analytical results for assessment sample SS07, excavation activities were warranted.

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

On May 31, 2023, Ensolum personnel were at the site to oversee excavation activities based on laboratory analytical results for assessment sample SS07. Excavation activities were performed utilizing a back-hoe and transport vehicles. To direct excavation activities, soil was screened for VOCs and chloride. The excavation was completed to a depth of 1-foot bgs. Photographic documentation of the excavation activities is included in Appendix C.

Following removal of impacted soil, 5-point composite soil samples were collected every 200 square feet from the floor of the excavation. 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. Composite soil samples FS01 through FS05 were collected from the floor of the excavation at a depth of 1-foot bgs. Due to the shallow depth of the excavation, the sidewalls were incorporated into the floor samples. The soil samples were handled and analyzed following the same procedures as described above.

Laboratory analytical results for the excavation floor samples FS01 through FS05 indicated all COC concentrations were compliant with the most stringent Table I 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 923 square feet. A total of approximately 34 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 and excavation activities were conducted at the Site to address the impacted soil resulting from August 23, 2021, release event at the Site. Laboratory analytical results for the excavation soil samples indicated all COC concentrations were compliant with the most stringent Table I Closure Criteria. Laboratory analytical results for the assessment soil samples, collected within and around the release extent, indicated all COC concentrations were compliant with the most stringent Table I Closure Criteria and confirmed the absence of additional impacted soil. Based on the soil sample laboratory analytical results, no further remediation was required.

No visible indications of the release were observed. Initial response efforts, natural attenuation, and excavation of impacted soil have mitigated impacts at this Site. BTA believes these remedial actions are



BTA Oil Producers, LLC Closure Request Rojo 20 21 Tank Battery

protective of human health, the environment, and groundwater. As such, BTA respectfully requests closure for Incident Number nAPP2123554329. Notifications submitted to the NMOCD are included in Appendix E and the final Form C-141 is included in Appendix F.

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

Daniel R. Moir, PG

Sincerely, **Ensolum**, **LLC** 

Bun Huga

Ronni Hayes Assistant Geologist

cc: Kelton Beaird, BTA

Nathan Sirgo, BTA Bureau of Land Management

eologist Senior Managing Geologist

#### Appendices:

Figure 1 Site Receptor Map

Figure 2 Assessment Soil Sample Locations
Figure 3 Excavation Soil Sample Locations
Table 1 Soil Sample Analytical Results
Appendix A Appendix B Lithologic/Soil Sampling Logs

Appendix C Photographic Log

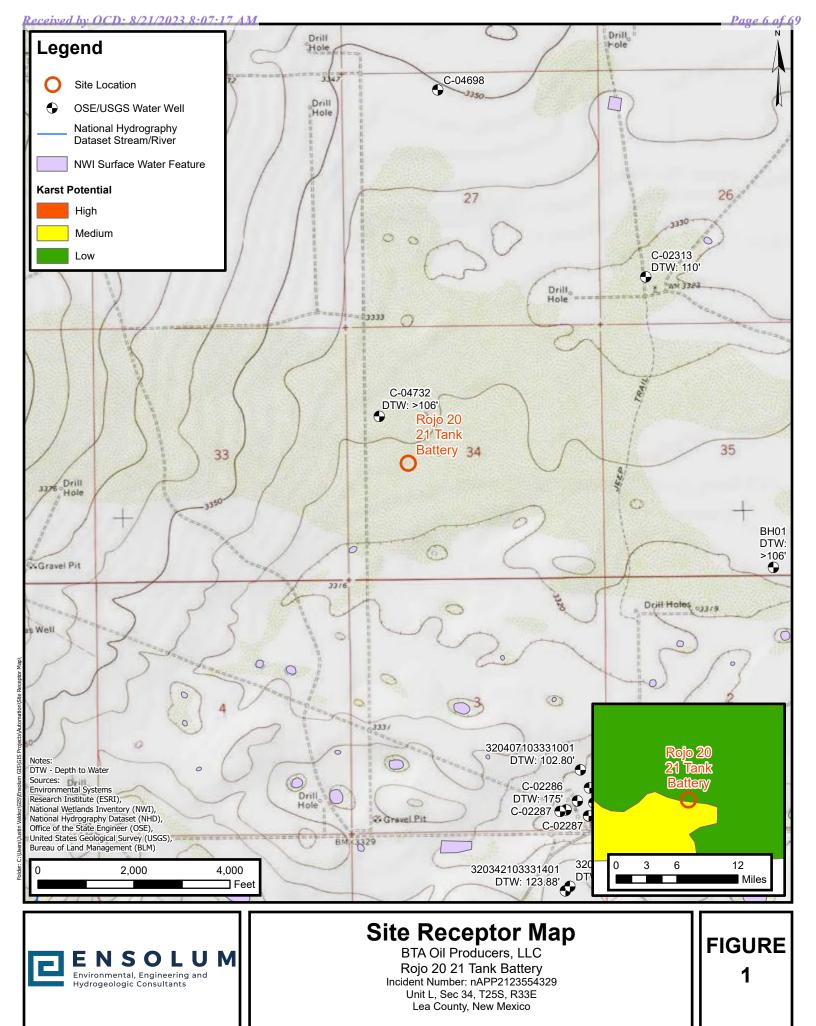
Appendix D Laboratory Analytical Reports & Chain-of-Custody Documentation

Appendix E NMOCD Notifications

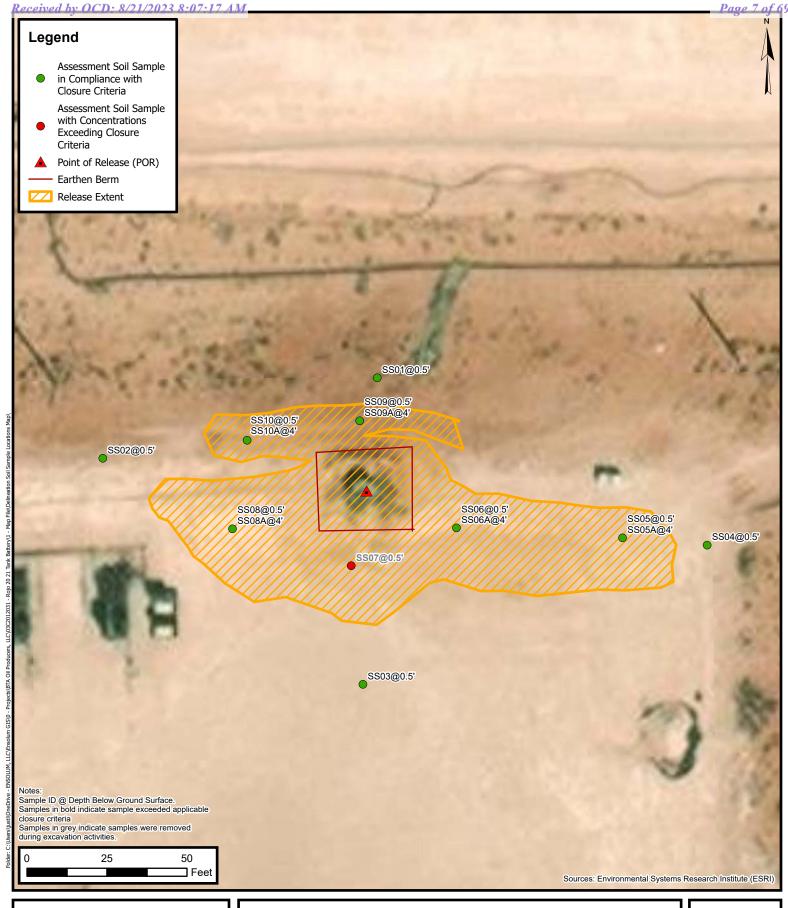
Appendix F Final C-141



**FIGURES** 



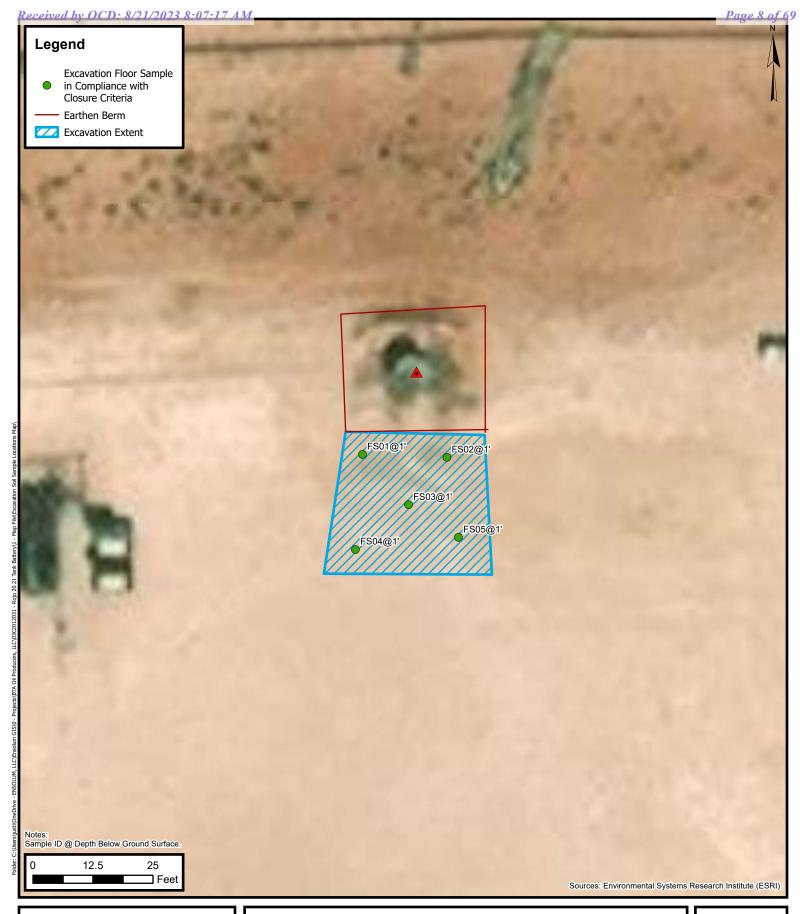
Released to Imaging: 12/5/2023 10:57.40 AM





### **Assessment Soil Sample Locations**

BTA Oil Producers, LLC Rojo 20 21 Tank Battery Incident Number: nAPP2123554329 Unit L, Sec 34, T25S, R33E Lea County, New Mexico FIGURE 2





# **Excavation Soil Sample Locations**BTA Oil Producers, LLC

BTA Oil Producers, LLC Rojo 20 21 Tank Battery Incident Number: nAPP2123554329 Unit L, Sec 34, T25S, R33E Lea County, New Mexico FIGURE 3



**TABLES** 



# TABLE 1 SOIL SAMPLE ANALYTICAL RESULTS Rojo 20 21 Tank Battery 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
				Asso	essment Soil S	amples				
SS01	05/11/2023	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
SS02	05/11/2023	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
SS03	05/11/2023	0.5	<0.050	<0.300	<10.0	18.2	<10.0	18.2	18.2	64.0
SS04	05/11/2023	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
SS05	05/11/2023	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
SS05A	05/26/2023	4	< 0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
SS06	05/11/2023	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
SS06A	05/26/2023	4	< 0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
SS07	05/11/2023	0.5	< 0.050	<0.300	<10.0	11,600	2,610	11,600	14,210	1,010
SS08	05/11/2023	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
SS08A	05/26/2023	4	< 0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
SS09*	05/11/2023	0.5	<0.050	<0.300	<10.0	10.9	<10.0	10.9	10.9	96
SS09A	05/26/2023	4	< 0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112
SS10*	05/26/2023	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
SS10A	05/26/2023	4	< 0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
				Excava	tion Floor Soil	Samples				
FS01	05/31/2023	1	<0.050	<0.300	<10.0	84.9	<10.0	84.9	84.9	32.0
FS02	05/31/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
FS03	05/31/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
FS04	05/31/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
FS05	05/31/2023	1	<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.

Grey text represents samples that have been excavated

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

Ensolum 1 of 1

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



**APPENDIX A** 

Referenced Well Records

#### 

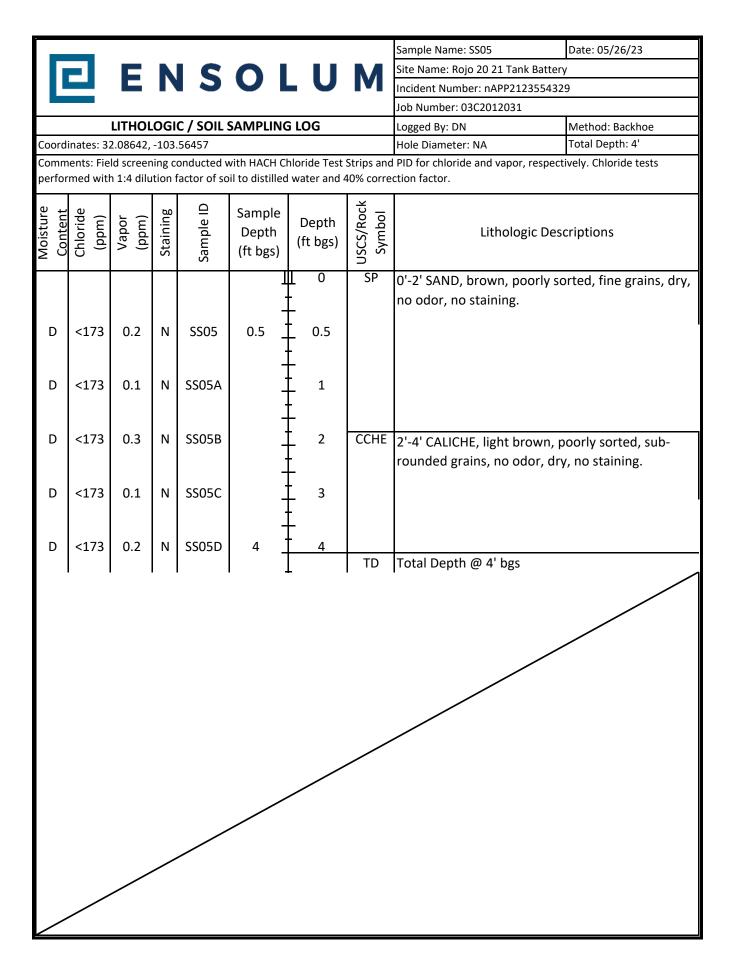
Comments: Soil boring was advanced to a total depth of 106' bgs. No water was observed within the soil boring after at least 72 hours. On 04/24/2023 the soil boring was plugged and abandoned using hydrated bentonite chips.

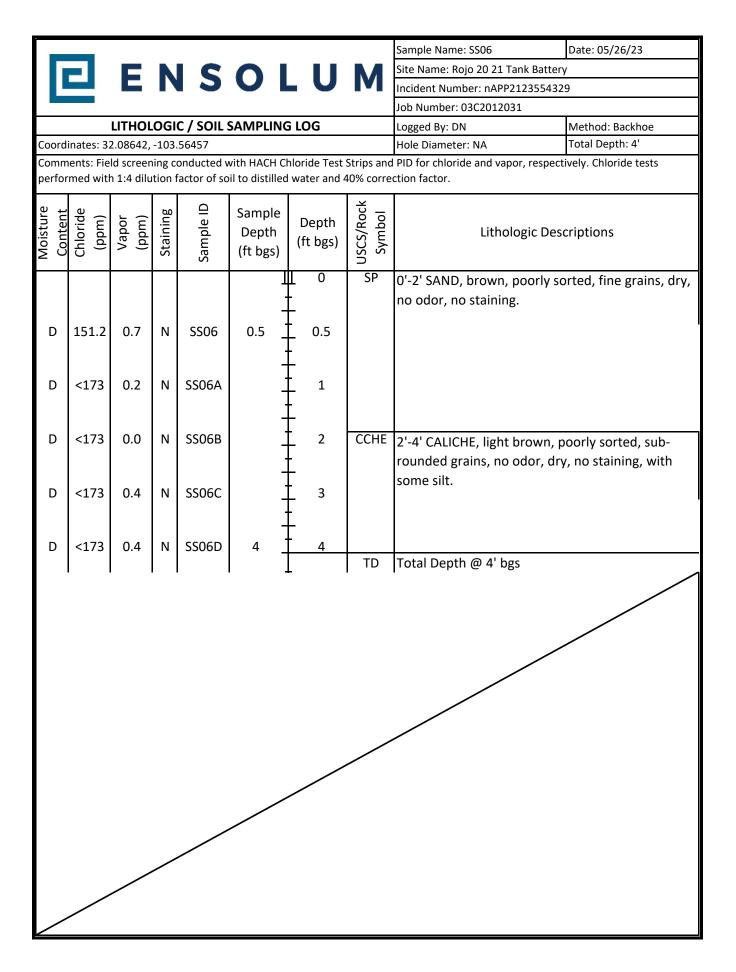
Moisture	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
					I - -	I - -		Note: Driller injected well with a water and soap mixture @ 55' to help stabilize well and prevent cave in. Due to collapse, well cased @ 102' with 2" polypipe casing.
Dry	-	-	N	-		10	SP-SM	(10') SAND: fine grained - medium grained, trace
					_	-		amounts small gravel, poorly graded, tan, no odor,
Dry	-	-	N	-		20	SP-SM	non plastic non cohesive (20') SAND: fine grained, silty, poorly graded,
					-	-		medium brown, no odor, non plastic, non
Dry			N			_ 30	CD CM	cohesive. (30') SAND: fine - medium grained, silty, trace
Diy	_	-	IN	-		_ 30	36-3101	amount small gravel, poorly graded, light brown,
					_	<u>-</u>		no odor, non plastic, non cohesive
Dry	-	-	N	-		40	SP-SM	(40') SAND: fine grained, silty, poorly graded, light
						<b>-</b>		to orangish brown, no odor, non plastic, non
Dry	_	_	N	-		50	SP-SM	cohesive (50') SAND: fine grained, silty, poorly graded, light
					_	-		to orangish brown, no odor, non plastic, non
					_	<b>-</b> 		cohesive
Wet	-	-	N	-		60	SP-SM	(60') SAND: fine grained, silty, poorly graded,
					_	- -		orangish brown, wet from injection, no odor, non plastic, non cohesive
Wet	-	-	N	-		70	SP-SM	(70') SAND: fine grained, silty, poorly graded,
					-	_		medium brown, wet from injection, no odor, non
Wet			N			- 80	CD CM	plastic, non cohesive (80') SAND: fine grained, silty, poorly graded,
vvet	_	-	IN	-	-	_ 80	35-3101	medium brown, wet from injection, no odor, non
					-	_		plastic, non cohesive
Wet	-	-	N	-		90	SP-SM	(90') SAND: fine grained, silty, poorly graded,
						- -		orangish brown, wet from injection, no odor, non
Wet	-	_	N	_		_ 100	SP-SM	plastic, non cohesive (100') SAND: fine grained, silty, poorly graded, tan,
								wet from injection, no odor, non plastic, non
					-	<b>_</b> -		cohesive
Wet	-	-	N	-	-	106	SP-SM	AA S feet has

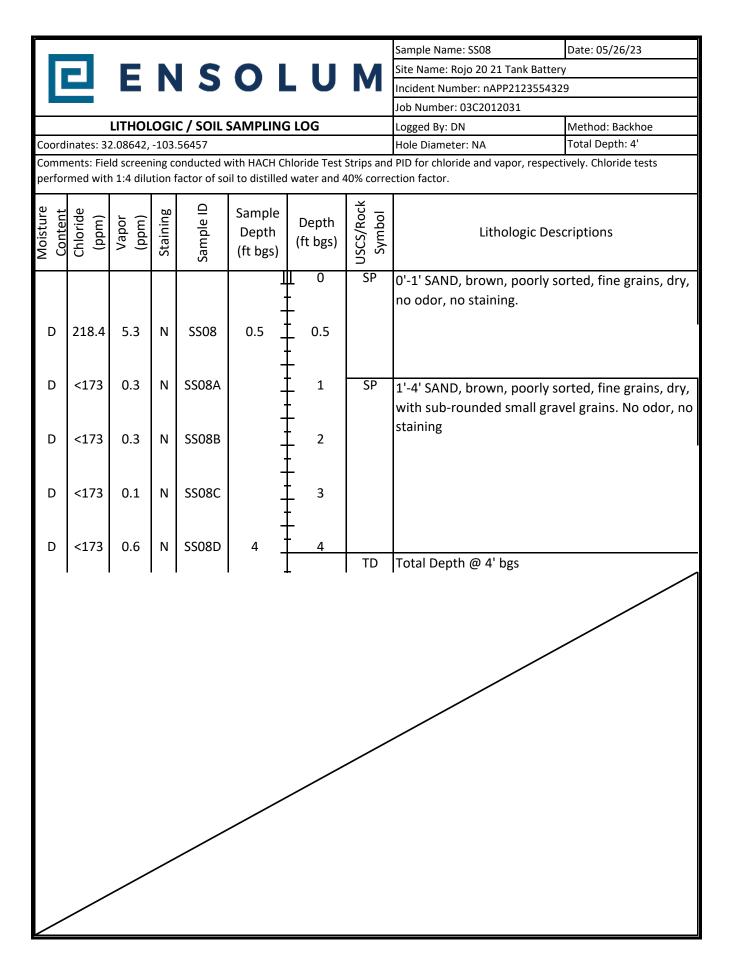


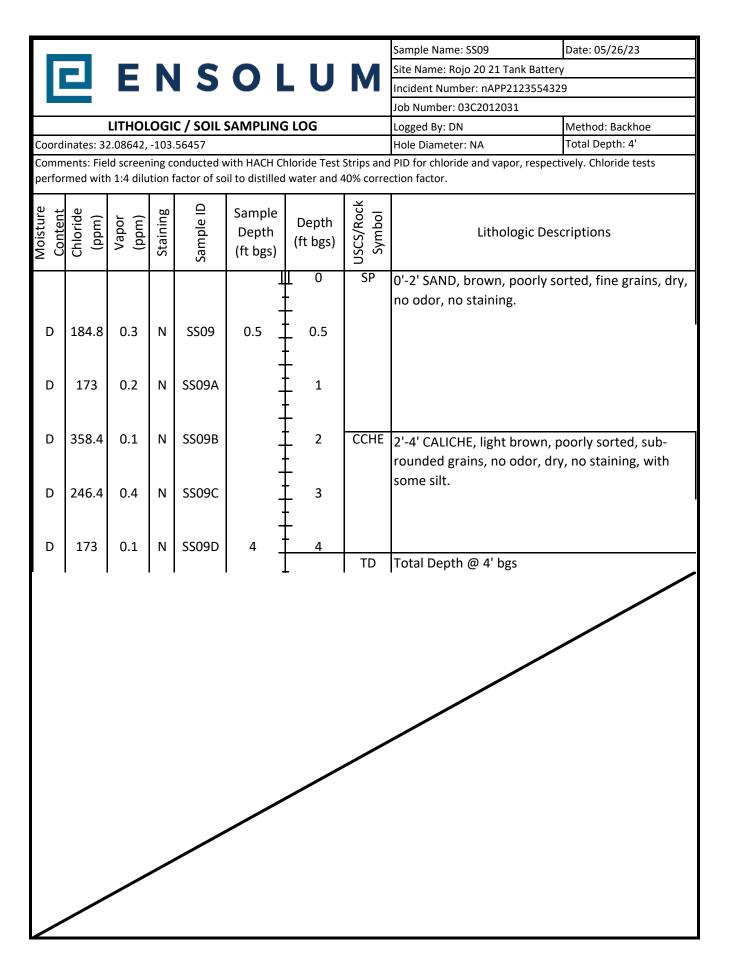
**APPENDIX B** 

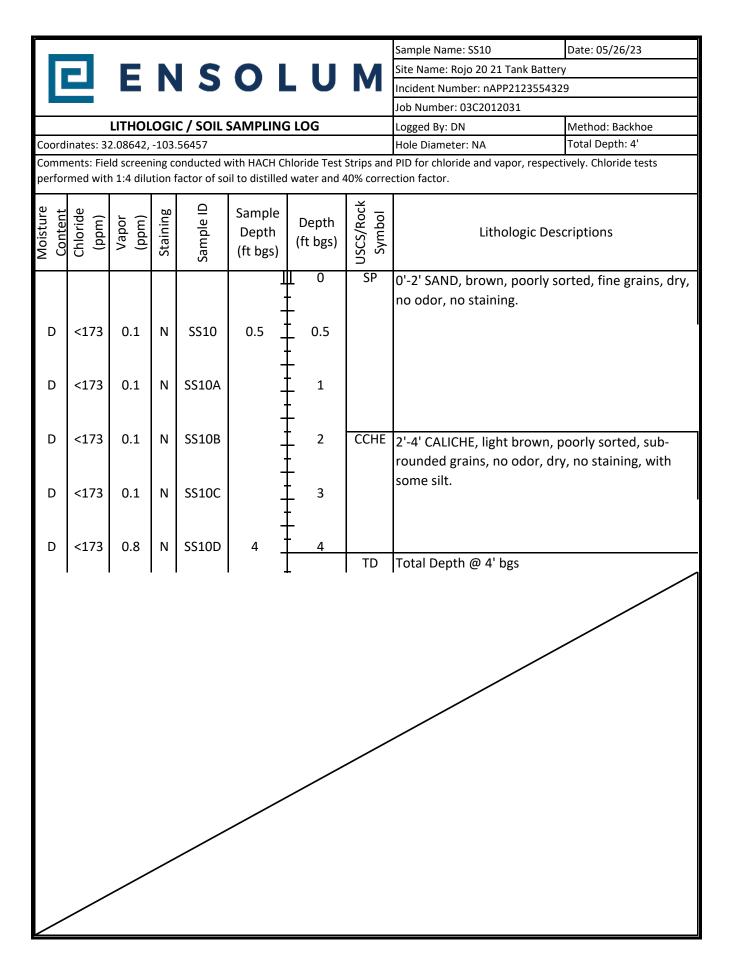
Lithologic Soil Sampling Logs













**APPENDIX C** 

Photographic Log



#### **Photographic Log**

BTA Oil Producers LLC Rojo 20 21 Tank Battery Incident Number: nAPP2123554329





Photograph: 1 Date: 5/11/2023

Description: Initial assessment activities

View: Southwest

Photograph: 2 Date: 5/26/2023

Description: Delineation activities

View: Northeast





Photograph: 3 Date: 5/26/2023

Description: Delineation activities

View: Northeast

Photograph: 4 Date: 5/31/2023

Description: Excavation activities

View: Southeast



APPENDIX D

Laboratory Analytical Reports & Chain of Custody Documentation



May 17, 2023

HADLIE GREEN
ENSOLUM
3122 NATIONAL PARKS HWY
CARLSBAD, NM 88220

RE: ROJO 20 21 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">www.tceq.texas.gov/field/ga/lab</a> accred certif.html.

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

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

Accreditation applies to public drinking water matrices.

Celey D. Keine

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



#### Analytical Results For:

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

Received: 05/12/2023 Reported: 05/17/2023

Project Name: ROJO 20 21 TANK BATTERY

Project Number: 03C2012031

Project Location: BTA 32.08642,-103.56457

Sampling Date: 05/11/2023

Sampling Type: Soil

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

#### Sample ID: SS 01 0.5' (H232403-01)

BTEX 8021B	mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/15/2023	ND	2.11	106	2.00	2.73	
Toluene*	<0.050	0.050	05/15/2023	ND	2.17	109	2.00	0.935	
Ethylbenzene*	<0.050	0.050	05/15/2023	ND	2.13	107	2.00	0.976	
Total Xylenes*	<0.150	0.150	05/15/2023	ND	6.57	110	6.00	0.0201	
Total BTEX	<0.300	0.300	05/15/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500CI-B	mg/kg			Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	05/16/2023	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	05/15/2023	ND	185	92.6	200	3.93	
DRO >C10-C28*	<10.0	10.0	05/15/2023	ND	194	96.9	200	0.0656	
EXT DRO >C28-C36	<10.0	10.0	05/15/2023	ND					
Surrogate: 1-Chlorooctane	98.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	126	% 49.1-14	8						

#### Cardinal Laboratories \*=Accredited Analyte

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

Celey D. Keine



#### Analytical Results For:

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

Received: 05/12/2023 Reported: 05/17/2023

ROJO 20 21 TANK BATTERY

Project Name: ROJO 20 21 Project Number: 03C2012031

Project Location: BTA 32.08642,-103.56457

Sampling Date: 05/11/2023

Sampling Type: Soil

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

#### Sample ID: SS 02 0.5' (H232403-02)

BTEX 8021B	mg/kg		Analyze	Analyzed 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	2.11	106	2.00	2.73	
Toluene*	<0.050	0.050	05/15/2023	ND	2.17	109	2.00	0.935	
Ethylbenzene*	<0.050	0.050	05/15/2023	ND	2.13	107	2.00	0.976	
Total Xylenes*	<0.150	0.150	05/15/2023	ND	6.57	110	6.00	0.0201	
Total BTEX	<0.300	0.300	05/15/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 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	48.0	16.0	05/16/2023	ND	432	108	400	3.64	
TPH 8015M	mg,	/kg	Analyze	Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/15/2023	ND	185	92.6	200	3.93	
DRO >C10-C28*	<10.0	10.0	05/15/2023	ND	194	96.9	200	0.0656	
EXT DRO >C28-C36	<10.0	10.0	05/15/2023	ND					
Surrogate: 1-Chlorooctane	98.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	127	% 49.1-14	18						

#### Cardinal Laboratories \*=Accredited Analyte

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

Celey D. Keine



#### Analytical Results For:

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

Received: 05/12/2023 Reported: 05/17/2023

ROJO 20 21 TANK BATTERY

Project Name: ROJO 20 21 Project Number: 03C2012031

Project Location: BTA 32.08642,-103.56457

Sampling Date: 05/11/2023

Sampling Type: Soil

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

#### Sample ID: SS 03 0.5' (H232403-03)

BTEX 8021B	mg/kg		Analyze	Analyzed 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	2.11	106	2.00	2.73	
Toluene*	<0.050	0.050	05/15/2023	ND	2.17	109	2.00	0.935	
Ethylbenzene*	<0.050	0.050	05/15/2023	ND	2.13	107	2.00	0.976	
Total Xylenes*	<0.150	0.150	05/15/2023	ND	6.57	110	6.00	0.0201	
Total BTEX	<0.300	0.300	05/15/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	05/16/2023	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	05/15/2023	ND	185	92.6	200	3.93	
DRO >C10-C28*	18.2	10.0	05/15/2023	ND	194	96.9	200	0.0656	
EXT DRO >C28-C36	<10.0	10.0	05/15/2023	ND					
Surrogate: 1-Chlorooctane	88.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	109	% 49.1-14	18						

Cardinal Laboratories \*=Accredited Analyte

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

Celey D. Keine



#### Analytical Results For:

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

Received: 05/12/2023 Reported: 05/17/2023

**ROJO 20 21 TANK BATTERY** 

Project Name: Project Number: 03C2012031

Project Location: BTA 32.08642,-103.56457 Sampling Date: 05/11/2023

Sampling Type: Soil

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

#### Sample ID: SS 04 0.5' (H232403-04)

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	2.11	106	2.00	2.73	
Toluene*	<0.050	0.050	05/15/2023	ND	2.17	109	2.00	0.935	
Ethylbenzene*	<0.050	0.050	05/15/2023	ND	2.13	107	2.00	0.976	
Total Xylenes*	<0.150	0.150	05/15/2023	ND	6.57	110	6.00	0.0201	
Total BTEX	<0.300	0.300	05/15/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	05/16/2023	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	05/15/2023	ND	215	108	200	1.05	
DRO >C10-C28*	<10.0	10.0	05/15/2023	ND	201	100	200	1.17	
EXT DRO >C28-C36	<10.0	10.0	05/15/2023	ND					
Surrogate: 1-Chlorooctane	98.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	99.2	% 49.1-14	8						

Cardinal Laboratories \*=Accredited Analyte

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

Celey D. Keene



#### Analytical Results For:

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

Received: 05/12/2023 Reported: 05/17/2023

Project Name: ROJO 20 21 TANK BATTERY

Project Number: 03C2012031

Project Location: BTA 32.08642,-103.56457

Sampling Date: 05/11/2023

Sampling Type: Soil

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

#### Sample ID: SS 05 0.5' (H232403-05)

BTEX 8021B	mg/kg		Analyze	Analyzed 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	2.11	106	2.00	2.73	
Toluene*	<0.050	0.050	05/15/2023	ND	2.17	109	2.00	0.935	
Ethylbenzene*	<0.050	0.050	05/15/2023	ND	2.13	107	2.00	0.976	
Total Xylenes*	<0.150	0.150	05/15/2023	ND	6.57	110	6.00	0.0201	
Total BTEX	<0.300	0.300	05/15/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 71.5-13	4						
Chloride, SM4500CI-B	/kg	Analyzed By: AC							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	05/16/2023	ND	432	108	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	05/15/2023	ND	215	108	200	1.05	
DRO >C10-C28*	<10.0	10.0	05/15/2023	ND	201	100	200	1.17	
EXT DRO >C28-C36	<10.0	10.0	05/15/2023	ND					
Surrogate: 1-Chlorooctane	95.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	93.8	% 49.1-14	8						

#### Cardinal Laboratories \*=Accredited Analyte

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

Celey D. Keine



#### Analytical Results For:

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

Received: 05/12/2023 Reported: 05/17/2023

**ROJO 20 21 TANK BATTERY** 

Project Number: 03C2012031

Project Location: BTA 32.08642,-103.56457 Sampling Date: 05/11/2023

Sampling Type: Soil Sampling Condition: Cool & Intact

Sample Received By: Tamara Oldaker

#### Sample ID: SS 06 0.5' (H232403-06)

Project Name:

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	2.11	106	2.00	2.73	
Toluene*	<0.050	0.050	05/15/2023	ND	2.17	109	2.00	0.935	
Ethylbenzene*	<0.050	0.050	05/15/2023	ND	2.13	107	2.00	0.976	
Total Xylenes*	<0.150	0.150	05/15/2023	ND	6.57	110	6.00	0.0201	
Total BTEX	<0.300	0.300	05/15/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	05/16/2023	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	05/15/2023	ND	215	108	200	1.05	
DRO >C10-C28*	<10.0	10.0	05/15/2023	ND	201	100	200	1.17	
EXT DRO >C28-C36	<10.0	10.0	05/15/2023	ND					
Surrogate: 1-Chlorooctane	113 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	113 9	% 49.1-14	8						

Cardinal Laboratories \*=Accredited Analyte

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

Celey D. Keene



#### Analytical Results For:

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 20 21 TANK BATTERY Sampling Condition: Cool & Intact
Project Number: 03C2012031 Sample Received By: Tamara Oldaker

Project Location: BTA 32.08642,-103.56457

#### Sample ID: SS 07 0.5' (H232403-07)

BTEX 8021B	mg/kg		Analyzed By: JH/					S-04		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/15/2023	ND	2.11	106	2.00	2.73		
Toluene*	<0.050	0.050	05/15/2023	ND	2.17	109	2.00	0.935		
Ethylbenzene*	<0.050	0.050	05/15/2023	ND	2.13	107	2.00	0.976		
Total Xylenes*	<0.150	0.150	05/15/2023	ND	6.57	110	6.00	0.0201		
Total BTEX	<0.300	0.300	05/15/2023	ND						
Surrogate: 4-Bromofluorobenzene (PID	136	% 71.5-13	4							
Chloride, SM4500CI-B	mg/kg		Analyzed By: AC							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1010	16.0	05/16/2023	ND	432	108	400	3.64		
TPH 8015M	mg,	/kg	Analyze	Analyzed By: MS					S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<100	100	05/16/2023	ND	215	108	200	1.05		
DRO >C10-C28*	11600	100	05/16/2023	ND	201	100	200	1.17		
EXT DRO >C28-C36	2610	100	05/16/2023	ND						
Surrogate: 1-Chlorooctane	103	% 48.2-13	4							
Surrogate: 1-Chlorooctadecane	327	% 49.1-14	8							

52770 17.1170

Cardinal Laboratories \*=Accredited Analyte

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

Celey D. Keine



#### Analytical Results For:

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

Received: 05/12/2023 Reported: 05/17/2023

ROJO 20 21 TANK BATTERY

ma/ka

Project Name: ROJO 20 21 Project Number: 03C2012031

Project Location: BTA 32.08642,-103.56457

Sampling Date: 05/11/2023

Sampling Type: Soil

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

#### Sample ID: SS 08 0.5' (H232403-08)

RTFY 8021R

BIEX 8021B	mg	/ <b>kg</b>	Anaiyze	ea 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	2.11	106	2.00	2.73	
Toluene*	<0.050	0.050	05/15/2023	ND	2.17	109	2.00	0.935	
Ethylbenzene*	<0.050	0.050	05/15/2023	ND	2.13	107	2.00	0.976	
Total Xylenes*	<0.150	0.150	05/15/2023	ND	6.57	110	6.00	0.0201	
Total BTEX	<0.300	0.300	05/15/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 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	80.0	16.0	05/16/2023	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/15/2023	ND	215	108	200	1.05	
DRO >C10-C28*	<10.0	10.0	05/15/2023	ND	201	100	200	1.17	
EXT DRO >C28-C36	<10.0	10.0	05/15/2023	ND					
Surrogate: 1-Chlorooctane	108	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	110	% 49.1-14	8						

Analyzed By: 1H /

Cardinal Laboratories \*=Accredited Analyte

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

Celey D. Keene



#### Analytical Results For:

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

Received: 05/12/2023 Reported: 05/17/2023

05/17/2023

ma/ka

Sampling Date: 05/11/2023 Sampling Type: Soil

Project Name:

RTFY 8021R

ROJO 20 21 TANK BATTERY

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

Project Number: 03C2012031

Project Location: BTA 32.08642,-103.56457

Sample ID: SS 09 0.5' (H232403-09)

BIEX 8021B	mg	/кд	Anaiyze	ea 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	2.11	106	2.00	2.73	
Toluene*	<0.050	0.050	05/15/2023	ND	2.17	109	2.00	0.935	
Ethylbenzene*	<0.050	0.050	05/15/2023	ND	2.13	107	2.00	0.976	
Total Xylenes*	<0.150	0.150	05/15/2023	ND	6.57	110	6.00	0.0201	
Total BTEX	<0.300	0.300	05/15/2023	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	96.0	16.0	05/16/2023	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/15/2023	ND	215	108	200	1.05	
DRO >C10-C28*	10.9	10.0	05/15/2023	ND	201	100	200	1.17	
EXT DRO >C28-C36	<10.0	10.0	05/15/2023	ND					
Surrogate: 1-Chlorooctane	109	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	109	% 49.1-14	8						

Analyzed By: 1H /

Cardinal Laboratories

\*=Accredited Analyte

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

Celey D. Keine



#### **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.
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

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

Celey D. Keene



## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 12 of

Released to Imaging: 12/5/2023 10:57:40 AM

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

(575) 393-2326 FAX (575) 393-2476  Company Name: Ensolum, LLC							T	BILL TO ANALYSIS REQUEST																
				_	_	-	-	1	P.O. #:															
Project Manager: Hadile Green						-																		
Addrose: 3122 National Parks nwy						_	Company: BTA Oil																	
City: Carlsbad State: NM Zip: 88220						- 1	Attn: Kevin Jones									-								
Phone #: 432-557-8895						_	Address: 104 S Pecos St									0.7								
Project #: 03C2012031 Project Owner: BTA Oil Producers  Project Name: Rojo 20 21 Tank Battery  Project Location: 32.08642, -103.56457						City: Midland State: TX Zip: 79701																		
						Phone #: 432-312-2203																		
THE RESERVE OF THE PARTY OF THE									Fax	27/2														
Sampler Name:	Ronni Hayes		T			M/	ATRI	X		PRE	SERV.	SAME	PLING	1										
Lab I.D.	Sample I.D.	Depth (feet)	B OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER		SLUDGE	ER:	ACID/BASE:	COOL K			BTEX	TPH	0-10							*	
Managaz			(G)RAB	00	GRO	WAS		SLUC	OTH	ACIE	OTHER:	DATE	TIME						-		_			
14232403	5501	0.5'	Ğ	- 10			K				x	5/11/23		X	X	×			-	-				
0	5502	1	1	1			1				1	1	1020	11	1	1		-	-	-				
2			11	11									1025	1	1	1			-	-				
3	5503 5504		11	11									1030	11	1	1			-	-		-		
4	5505		11										1035	11	1	-		-	-	+				
5	5506												1040	1	+	+		-		+				
9	5567												1045	1	1	-		-	+	-		1		
8			1										1050		1	1		-	-	1		1		
9	5509	1	1	1			4				V	1	1055	1	*	-	-	AH	5/1	1/23				
			+	1						上		to the amount p	aid by the client	for the	_	_		14.	-					

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or fort, shall be limited to the a PLEASE NOTE: analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries,

ervice. In no event shall Cardinal be liable for including fifialties or successors arising out of or related to the per Relinquished By:	Date 2-23 Rece	prived By:	Verbal Result: ☐ Yes ☐ No ☐ Add'l Phone #: All Results are emailed. Please provide Email address:
Relinquished By:	Date: Rece	Sived By:	REMARKS:
Delivered By: (Circle One)	Observed Temp. *C	Sample Condition CHECKED BY:	Kusii
Sampler - UPS - Bus - Other:	Corrected Temp. °C 3.8	Cod milact	Thermometer ID #113 Correction Factor -0.5°C Yes Yes No Corrected Temp. °C

<sup>†</sup> Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com



June 05, 2023

HADLIE GREEN
ENSOLUM
3122 NATIONAL PARKS HWY
CARLSBAD, NM 88220

RE: ROJO 20 21 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">www.tceq.texas.gov/field/ga/lab</a> accred certif.html.

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

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

Accreditation applies to public drinking water matrices.

Wite Sough

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,

Mike Snyder For Celey D. Keene

Lab Director/Quality Manager



#### Analytical Results For:

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

Received: 06/02/2023 Reported: 06/05/2023

Project Name: ROJO 20 21 TANK BATTERY

Project Number: 03C2012031

Project Location: BTA 32.08642,-103.56457

Sampling Date: 05/31/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

#### Sample ID: FS 01 1' (H232792-01)

BTEX 8021B	mg,	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/02/2023	ND	2.19	109	2.00	4.37	
Toluene*	<0.050	0.050	06/02/2023	ND	2.26	113	2.00	6.78	
Ethylbenzene*	<0.050	0.050	06/02/2023	ND	2.49	124	2.00	1.28	
Total Xylenes*	<0.150	0.150	06/02/2023	ND	7.45	124	6.00	1.63	
Total BTEX	<0.300	0.300	06/02/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	'kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	06/02/2023	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/02/2023	ND	180	90.1	200	2.71	
DRO >C10-C28*	84.9	10.0	06/02/2023	ND	171	85.4	200	3.35	
EXT DRO >C28-C36	<10.0	10.0	06/02/2023	ND					
Surrogate: 1-Chlorooctane	101	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	107	% 49.1-14	8						

Cardinal Laboratories \*=Accredited Analyte

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

Mile Sough

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



#### Analytical Results For:

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

Received: 06/02/2023 Sampling Date: 05/31/2023

Reported: 06/05/2023 Sampling Type: Soil

Project Name: **ROJO 20 21 TANK BATTERY** Sampling Condition: Cool & Intact Sample Received By: Project Number: 03C2012031 Shalyn Rodriguez

Project Location: BTA 32.08642,-103.56457

#### Sample ID: FS 02 1' (H232792-02)

BTEX 8021B	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/02/2023	ND	2.19	109	2.00	4.37	
Toluene*	<0.050	0.050	06/02/2023	ND	2.26	113	2.00	6.78	
Ethylbenzene*	<0.050	0.050	06/02/2023	ND 2.49		124	2.00	1.28	
Total Xylenes*	<0.150	0.150	06/02/2023	ND	7.45	124	6.00	1.63	
Total BTEX	<0.300	0.300	06/02/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	06/02/2023	ND	416	104	400	0.00	
TPH 8015M	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/02/2023	ND	180	90.1	200	2.71	
DRO >C10-C28*	<10.0	10.0	06/02/2023	ND	171	85.4	200	3.35	
EXT DRO >C28-C36	<10.0	10.0	06/02/2023	ND					
Surrogate: 1-Chlorooctane	98.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	101 9	% 49.1-14	8						

Cardinal Laboratories \*=Accredited Analyte

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

with Sigh

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



#### Analytical Results For:

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

Received: 06/02/2023 Sampling Date: 05/31/2023

Reported: 06/05/2023 Sampling Type: Soil

Project Name: ROJO 20 21 TANK BATTERY Sampling Condition: Cool & Intact
Project Number: 03C2012031 Sample Received By: Shalyn Rodriguez

Applyzod By: MC

Project Location: BTA 32.08642,-103.56457

ma/ka

#### Sample ID: FS 03 1' (H232792-03)

RTFY 8021R

B1EX 8021B	mg	/кд	Anaiyze	а ву: м5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/02/2023	ND	2.19	109	2.00	4.37	
Toluene*	<0.050	0.050	06/02/2023	ND	2.26	113	2.00	6.78	
Ethylbenzene*	<0.050	0.050	06/02/2023	ND	2.49	124	2.00	1.28	
Total Xylenes*	<0.150	0.150	06/02/2023	ND	7.45	124	6.00	1.63	
Total BTEX	<0.300	0.300	06/02/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	06/02/2023	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/02/2023	ND	180	90.1	200	2.71	
DRO >C10-C28*	<10.0	10.0	06/02/2023	ND	171	85.4	200	3.35	
EXT DRO >C28-C36	<10.0	10.0	06/02/2023	ND					
Surrogate: 1-Chlorooctane	104	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	107	% 49.1-14	8						

Cardinal Laboratories \*=Accredited Analyte

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

Mile Sough



#### Analytical Results For:

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

Received: 06/02/2023 Reported: 06/05/2023

Project Name: ROJO 20 21 TANK BATTERY

ma/ka

Project Number: 03C2012031

Project Location: BTA 32.08642,-103.56457

Sampling Date: 05/31/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

#### Sample ID: FS 04 1' (H232792-04)

RTFY 8021R

B1EX 8021B	mg	/кд	Anaiyze	а ву: м5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/02/2023	ND	2.19	109	2.00	4.37	
Toluene*	<0.050	0.050	06/02/2023	ND	2.26	113	2.00	6.78	
Ethylbenzene*	<0.050	0.050	06/02/2023	ND	2.49	124	2.00	1.28	
Total Xylenes*	<0.150	0.150	06/02/2023	ND	7.45	124	6.00	1.63	
Total BTEX	<0.300	0.300	06/02/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	06/02/2023	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/02/2023	ND	180	90.1	200	2.71	
DRO >C10-C28*	<10.0	10.0	06/02/2023	ND	171	85.4	200	3.35	
EXT DRO >C28-C36	<10.0	10.0	06/02/2023	ND					
Surrogate: 1-Chlorooctane	99.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	103	% 49.1-14	8						

Applyzod By: MC

Cardinal Laboratories \*=Accredited Analyte

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

Me Sough



#### Analytical Results For:

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

Received: 06/02/2023 Reported: 06/05/2023

Project Name: **ROJO 20 21 TANK BATTERY** 

Project Number: 03C2012031

Project Location: BTA 32.08642,-103.56457 Sampling Date: 05/31/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Shalyn Rodriguez

#### Sample ID: FS 05 1' (H232792-05)

BTEX 8021B	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/02/2023	ND	2.19	109	2.00	4.37	
Toluene*	<0.050	0.050	06/02/2023	ND	2.26	113	2.00	6.78	
Ethylbenzene*	<0.050	0.050	06/02/2023	ND	2.49	124	2.00	1.28	
Total Xylenes*	<0.150	0.150	06/02/2023	ND	7.45	124	6.00	1.63	
Total BTEX	<0.300	0.300	06/02/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	06/02/2023	ND	416	104	400	3.92	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/02/2023	ND	180	90.1	200	2.71	
DRO >C10-C28*	<10.0	10.0	06/02/2023	ND	171	85.4	200	3.35	
EXT DRO >C28-C36	<10.0	10.0	06/02/2023	ND					
Surrogate: 1-Chlorooctane	98.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	103 9	% 49.1-14	8						

Cardinal Laboratories \*=Accredited Analyte

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

with Sigh



#### **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.

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

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

Mile Sough



# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Released to Imaging: 12/5/2023 10:57:40 AM

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

Project Manager: Hadle Green  Address: S(12) Wational Parks Had Company: BTA O;  Address: S(12) Wational Parks Had Company: BTA O;  Attn: Kenn Jours  Phone #: 43,557 8895 Fax #:  Address: [04] Sales: Wational State: Wation	
City: OVISDAL State: NA Zip: 38216 Attm: Review Journs Address: OVISPERS SA ADDRESS	JEST
City: OVISDA State: No. Zip: 38276 Attm: Review Journels  Phone #: 4325578895 Fax #:  Project #: D3 C 2 O 1 2 O 3 (Project Owner: City: 11.3 (a), d  Project Name: Royo 2 O 2 1 Towk Bothery State: 1 X Zip: 7.9 7.0    Project Location: 32 O 96 4 2 10.3, 56 4 5 7 Phone #:  Sampler Name: D m 1 v 3 W. Kanovov Fax #:  FOR LAB USE ONLY  Lab I.D. Sample I.D. Depth (feet)	
Project #: 732 55 7 8895 Fax #:  Project #: 732 57 8895 Fax #:  Project #: 732 57 8895 Fax #:  Project #: 732 57 8895 Fax #:  Project #: 732 7 8895 Fax #:  Project #: 732 7 8895 Fax #:  Project #: 732 7 8895 Fax #:  Project Name: Royo 2 0 21 Tourk Bottley State: TX zip: 7 9 7 01  Project Location: 32 0 96 4 2 - 10 3 56 4 5 7  Phone #:  Sampler Name: D m 1 vs W . Kawovov  For Lab U.D.  Sample I.D.  Depth  (feet)  Depth  (fe	
Project #5 0 3 C 2 0 ( 2 0 3 ( Project Owner: City: M. Jan. & State: Y Zip: 7 9 7 0 1 Project Name: Royo 2 0 2 1 Towk Boddery State: Y Zip: 7 9 7 0 1 Phone #:  Sampler Name: Dm. 1 vs W. Kaworov Pax #:  FOR LAB USE ONLY  Lab I.D. Sample I.D. Depth (feet)	
Project Name: Royo 2 0 2 Touk Bedtery  Project Location: 32 02642 -103,56457  Sampler Name: Dm. Avs. W. Kanorov  Fax #:  FOR LAB USE ONLY  Lab I.D. Sample I.D. Depth (feet)	
Sampler Name: Dm. Avs. W. Kanorov  For LAB USE GNILY  Lab I.D. Sample I.D. Depth (feet)  HZ32792  Depth (feet)	
Sampler Name: Dm. Ava W. Kanonov  Fax #:  For LAB USE ONLY  Lab I.D. Sample I.D. Depth (feet)  Lab I.D. Sample I.D. Depth (feet)  Depth (feet)	
Lab I.D. Sample I.D.    Containers   Contain	
Tap I.D. Sample I.D. Depth (feet) Doll Studge of COONTAINERS Soll OIL	
C	
C	
C	
C	
2 4507	
3 FS03	
Leas Value III	
5 FS03	
PASE NOTE: Liability and Demages, Carcinafe liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the alyses. All claims including those for negligence and any other cause whetherever shall be deemed waked unless made in writing any received by Cardinal within 30 days after completion of the applicable	
vice. In no event shall Cordinal be liable for incidental or consequented states whencever shall be described in the explicable liables or successors arising out of or related to the performance of sendous hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated respons or otherwise.	
Verbal Result:   Yes   Add Phone to	
All Results are emailed. Please provide Email address:	0. 1
elinquished By: Peter 22 Received By: REDIARKS:	OVOV WELLSOLAM, LOW
MMU Timo834 Shodkigner	
Delivered By: (Circle One) Observed Tump. C Sample Condition CHECKED BY Turnary and Tump. Standard M. Bestel M. Delivered By:	ple Condition
	conned Town to



June 22, 2023

HADLIE GREEN

**ENSOLUM** 

3122 NATIONAL PARKS HWY

CARLSBAD, NM 88220

RE: ROJO 20 21 TANK BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 05/31/23 13:00.

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

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

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

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

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

Method EPA 552.2 Total Haloacetic Acids (HAA-5)

Celey D. Keene

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

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



## Analytical Results For:

ENSOLUM Project: ROJO 20 21 TANK BATTERY 3122 NATIONAL PARKS HWY Project Number: 03C2012031

CARLSBAD NM, 88220 Project Manager: HADLIE GREEN

Fax To:

Reported: 22-Jun-23 16:24

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SS 05 A 4'	H232756-01	Soil	26-May-23 09:50	31-May-23 13:00
SS 06 A 4'	H232756-02	Soil	26-May-23 10:30	31-May-23 13:00
SS 08 A 4'	H232756-03	Soil	26-May-23 11:10	31-May-23 13:00
SS 09 A 4'	H232756-04	Soil	26-May-23 11:50	31-May-23 13:00
SS 10 0.5'	H232756-05	Soil	26-May-23 12:00	31-May-23 13:00
SS 10 A 4'	H232756-06	Soil	26-May-23 12:40	31-May-23 13:00

06/22/23 - Client changed the sample IDs (see COC). This is the revised report and will replace the one sent on 06/02/23.

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 aring any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential 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 sur claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



#### Analytical Results For:

ENSOLUM 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Project: ROJO 20 21 TANK BATTERY

Project Number: 03C2012031

Project Manager: HADLIE GREEN

Fax To:

Reported: 22-Jun-23 16:24

# SS 05 A 4' H232756-01 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	32.0		16.0	mg/kg	4	3053147	AC	01-Jun-23	4500-Cl-B	
Volatile Organic Compounds	by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	3053138	JH/	01-Jun-23	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	3053138	JH/	01-Jun-23	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	3053138	JH/	01-Jun-23	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	3053138	JH/	01-Jun-23	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	3053138	JH/	01-Jun-23	8021B	
Surrogate: 4-Bromofluorobenzene (PI	D)		105 %	71.5	-134	3053138	JH/	01-Jun-23	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	3053133	MS	01-Jun-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3053133	MS	01-Jun-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3053133	MS	01-Jun-23	8015B	
Surrogate: 1-Chlorooctane			87.2 %	48.2	-134	3053133	MS	01-Jun-23	8015B	
Surrogate: 1-Chlorooctadecane			91.5 %	49.1	-148	3053133	MS	01-Jun-23	8015B	

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 aring any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential 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 sur claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



#### Analytical Results For:

ENSOLUM 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Project: ROJO 20 21 TANK BATTERY

Project Number: 03C2012031

Project Manager: HADLIE GREEN

Fax To:

Reported: 22-Jun-23 16:24

# SS 06 A 4' H232756-02 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	32.0		16.0	mg/kg	4	3053147	AC	01-Jun-23	4500-Cl-B	
Volatile Organic Compounds	by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	3053138	JH/	01-Jun-23	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	3053138	JH/	01-Jun-23	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	3053138	JH/	01-Jun-23	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	3053138	JH/	01-Jun-23	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	3053138	JH/	01-Jun-23	8021B	
Surrogate: 4-Bromofluorobenzene (Pl	D)		106 %	71.5	-134	3053138	JH/	01-Jun-23	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	3053133	MS	01-Jun-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3053133	MS	01-Jun-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3053133	MS	01-Jun-23	8015B	
Surrogate: 1-Chlorooctane			83.5 %	48.2	-134	3053133	MS	01-Jun-23	8015B	
Surrogate: 1-Chlorooctadecane			91.9 %	49.1	-148	3053133	MS	01-Jun-23	8015B	

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 aring any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential 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 sur claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



## Analytical Results For:

ENSOLUM 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Project: ROJO 20 21 TANK BATTERY

Project Number: 03C2012031

Project Manager: HADLIE GREEN

Fax To:

Reported: 22-Jun-23 16:24

# SS 08 A 4' H232756-03 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Laborat	tories					
Inorganic Compounds										
Chloride	48.0		16.0	mg/kg	4	3053147	AC	01-Jun-23	4500-Cl-B	
Volatile Organic Compound	s by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	3053138	JH/	01-Jun-23	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	3053138	JH/	01-Jun-23	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	3053138	JH/	01-Jun-23	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	3053138	JH/	01-Jun-23	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	3053138	JH/	01-Jun-23	8021B	
Surrogate: 4-Bromofluorobenzene (P.	ID)		106 %	71.5	-134	3053138	JH/	01-Jun-23	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	3053133	MS	01-Jun-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3053133	MS	01-Jun-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3053133	MS	01-Jun-23	8015B	
Surrogate: 1-Chlorooctane			78.9 %	48.2	-134	3053133	MS	01-Jun-23	8015B	
Surrogate: 1-Chlorooctadecane			87.7 %	49.1	-148	3053133	MS	01-Jun-23	8015B	

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 aring any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential 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 sur claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



## Analytical Results For:

ENSOLUM 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Project: ROJO 20 21 TANK BATTERY

Project Number: 03C2012031

Project Manager: HADLIE GREEN

Fax To:

Reported: 22-Jun-23 16:24

# SS 09 A 4' H232756-04 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	al Laborat	tories					
Inorganic Compounds										
Chloride	112		16.0	mg/kg	4	3053147	AC	01-Jun-23	4500-Cl-B	
Volatile Organic Compound	s by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	3053138	JH/	01-Jun-23	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	3053138	JH/	01-Jun-23	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	3053138	JH/	01-Jun-23	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	3053138	JH/	01-Jun-23	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	3053138	JH/	01-Jun-23	8021B	
Surrogate: 4-Bromofluorobenzene (P.	ID)		107 %	71.5	-134	3053138	JH/	01-Jun-23	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	3053133	MS	01-Jun-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3053133	MS	01-Jun-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3053133	MS	01-Jun-23	8015B	
Surrogate: 1-Chlorooctane			86.6 %	48.2	-134	3053133	MS	01-Jun-23	8015B	
Surrogate: 1-Chlorooctadecane			93.0 %	49.1	-148	3053133	MS	01-Jun-23	8015B	

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 aring any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential 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 sur claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



#### Analytical Results For:

ENSOLUM 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Project: ROJO 20 21 TANK BATTERY

Project Number: 03C2012031

Project Manager: HADLIE GREEN

Fax To:

Reported: 22-Jun-23 16:24

SS 10 0.5' H232756-05 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardin	al Laborat	tories					
Inorganic Compounds										
Chloride	64.0		16.0	mg/kg	4	3053147	AC	01-Jun-23	4500-Cl-B	
Volatile Organic Compound	s by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	3053138	JH/	01-Jun-23	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	3053138	JH/	01-Jun-23	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	3053138	JH/	01-Jun-23	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	3053138	JH/	01-Jun-23	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	3053138	JH/	01-Jun-23	8021B	
Surrogate: 4-Bromofluorobenzene (P.	ID)		108 %	71.5	-134	3053138	JH/	01-Jun-23	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	3053133	MS	01-Jun-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3053133	MS	01-Jun-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3053133	MS	01-Jun-23	8015B	
Surrogate: 1-Chlorooctane			74.2 %	48.2	-134	3053133	MS	01-Jun-23	8015B	
Surrogate: 1-Chlorooctadecane			80.1 %	49.1	-148	3053133	MS	01-Jun-23	8015B	

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 aring any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential 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 sur claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celeg D. Keene



#### Analytical Results For:

ENSOLUM 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Project: ROJO 20 21 TANK BATTERY

Project Number: 03C2012031

Project Manager: HADLIE GREEN

Fax To:

Reported: 22-Jun-23 16:24

# SS 10 A 4' H232756-06 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	48.0		16.0	mg/kg	4	3053147	AC	01-Jun-23	4500-Cl-B	
Volatile Organic Compounds by	EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	3053138	JH/	01-Jun-23	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	3053138	JH/	01-Jun-23	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	3053138	JH/	01-Jun-23	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	3053138	JH/	01-Jun-23	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	3053138	JH/	01-Jun-23	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			104 %	71.5	-134	3053138	JH/	01-Jun-23	8021B	
Petroleum Hydrocarbons by GC	FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	3053133	MS	01-Jun-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3053133	MS	01-Jun-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3053133	MS	01-Jun-23	8015B	
Surrogate: 1-Chlorooctane			89.1 %	48.2	-134	3053133	MS	01-Jun-23	8015B	
Surrogate: 1-Chlorooctadecane			98.4 %	49.1	-148	3053133	MS	01-Jun-23	8015B	

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 aring any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential 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 sur claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keine



# **Analytical Results For:**

ENSOLUM 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Project: ROJO 20 21 TANK BATTERY

Project Number: 03C2012031

Project Manager: HADLIE GREEN

Fax To:

Reported: 22-Jun-23 16:24

## **Inorganic Compounds - Quality Control**

#### **Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 3053147 - 1:4 DI Water										
Blank (3053147-BLK1)				Prepared &	Analyzed:	31-May-23	i			
Chloride	ND	16.0	mg/kg							
LCS (3053147-BS1)				Prepared &	z Analyzed:	31-May-23	;			
Chloride	384	16.0	mg/kg	400		96.0	80-120			
LCS Dup (3053147-BSD1)				Prepared &	z Analyzed:	31-May-23	i			
Chloride	400	16.0	mg/kg	400		100	80-120	4.08	20	

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 aring any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential 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 sur claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keine



%REC

# **Analytical Results For:**

ENSOLUM 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Project: ROJO 20 21 TANK BATTERY

Project Number: 03C2012031

Project Manager: HADLIE GREEN

Spike

Source

Fax To:

Reported: 22-Jun-23 16:24

RPD

# Volatile Organic Compounds by EPA Method 8021 - Quality Control

#### **Cardinal Laboratories**

Reporting

Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 3053138 - Volatiles										
Blank (3053138-BLK1)				Prepared: 3	31-May-23	Analyzed: (	01-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)	0.0536		mg/kg	0.0500		107	71.5-134			
LCS (3053138-BS1)				Prepared: 3	31-May-23	Analyzed: (	01-Jun-23			
Benzene	2.04	0.050	mg/kg	2.00		102	81.4-118			
Toluene	2.10	0.050	mg/kg	2.00		105	88.7-121			
Ethylbenzene	2.03	0.050	mg/kg	2.00		102	86.1-120			
m,p-Xylene	4.29	0.100	mg/kg	4.00		107	88.2-124			
o-Xylene	2.04	0.050	mg/kg	2.00		102	84.9-118			
Total Xylenes	6.33	0.150	mg/kg	6.00		105	87.3-122			
Surrogate: 4-Bromofluorobenzene (PID)	0.0529		mg/kg	0.0500		106	71.5-134			
LCS Dup (3053138-BSD1)				Prepared: 3	31-May-23	Analyzed: (	01-Jun-23			
Benzene	2.21	0.050	mg/kg	2.00		111	81.4-118	8.36	15.8	
Toluene	2.28	0.050	mg/kg	2.00		114	88.7-121	8.54	15.9	
Ethylbenzene	2.21	0.050	mg/kg	2.00		111	86.1-120	8.51	16	
m,p-Xylene	4.61	0.100	mg/kg	4.00		115	88.2-124	7.05	16.2	
o-Xylene	2.17	0.050	mg/kg	2.00		108	84.9-118	6.28	16.7	
Total Xylenes	6.77	0.150	mg/kg	6.00		113	87.3-122	6.80	16.3	
Surrogate: 4-Bromofluorobenzene (PID)	0.0526		mg/kg	0.0500		105	71.5-134			

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 aring any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential 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 sur claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



%REC

## Analytical Results For:

ENSOLUM 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Project: ROJO 20 21 TANK BATTERY

Project Number: 03C2012031

Spike

Source

Project Manager: HADLIE GREEN

Fax To:

Reported: 22-Jun-23 16:24

RPD

#### Petroleum Hydrocarbons by GC FID - Quality Control

#### **Cardinal Laboratories**

Reporting

Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 3053133 - General Prep - Organics										
Blank (3053133-BLK1)				Prepared:	31-May-23	Analyzed:	01-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	44.1		mg/kg	49.6		89.0	48.2-134			
Surrogate: 1-Chlorooctadecane	51.9		mg/kg	50.0		104	49.1-148			
LCS (3053133-BS1)				Prepared:	31-May-23	Analyzed:	01-Jun-23			
GRO C6-C10	157	10.0	mg/kg	200		78.6	78.5-124			
DRO >C10-C28	164	10.0	mg/kg	200		81.9	72.5-126			
Total TPH C6-C28	321	10.0	mg/kg	400		80.2	77.6-123			
Surrogate: 1-Chlorooctane	40.7		mg/kg	49.6		82.2	48.2-134			
Surrogate: 1-Chlorooctadecane	44.1		mg/kg	50.0		88.2	49.1-148			
LCS Dup (3053133-BSD1)				Prepared:	31-May-23	Analyzed:	01-Jun-23			
GRO C6-C10	160	10.0	mg/kg	200		80.2	78.5-124	2.02	17.7	
DRO >C10-C28	163	10.0	mg/kg	200		81.4	72.5-126	0.535	21	
Total TPH C6-C28	323	10.0	mg/kg	400		80.8	77.6-123	0.725	18.5	
Surrogate: 1-Chlorooctane	40.6		mg/kg	49.6		81.9	48.2-134			
Surrogate: 1-Chlorooctadecane	42.3		mg/kg	50.0		84.7	49.1-148			

Cardinal Laboratories \*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence aring any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential 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 sur claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



#### **Notes and Definitions**

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

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

\*\*\* Insufficient time to reach temperature.

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

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

Cardinal Laboratories \*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence ar any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential 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 sur claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene

Released to Imaging: 12/5/2023 10:57:40 AM

# CARDINAL

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name:				X (3/3) 333 L										BI	LL TO	)					AN	ALY	SIS	REC	QUES	ST			
Project Manager:	Enso Hadlie										P.	.0.	<b>#:</b>																
	N. Marien			00							c	omp	an	y: B	TA Oil														
City: Midland				State: TX	Zip	:	797	01							ones														
Phone #: 432-557	-8895			Fax #:							A	ddr	ess	: 104	S Peco	s S	it												
Project #: 03C20				Project Owner	rt						С	ity:	Mid	lland	i					0									
Project Name: Ro		Tank	Batter	/							s	tate	: T)	(,	Zip: 797	701				13									
Project Location											P	hon	e #:	: 432	-312-22	03				0									
Sampler Name: I					_	_	_				F	ax#	_			MOI	LING	0.1		0									
FOR LAB USE ONLY					١.		H	N	IATR	XIX	Т	PF	RES	ERV.	SA	MPI	LING	X		N									
Lab I.D.	Sam	ple		Sample Depth (feet)	(G)RAB OR (C)OM	IZ	GROUNDWATER	WASTEWATER	OIL.	IL UDGE	THEB	ACID/BASE:	ICE / COOL	OTHER:	DATE	F	TIME	PTT T	Hd V										
H232756	SS	0	5-D		G		O	3	X	0 0	) (	1		X O	5/26/2	-	0950	1	-					$\neg$					
7	SS		6 -D/		1	Î	Н		1	+	t	t	1		1	1	1030												
3	SS	24/14/14	8 Df		1	1			Ħ	$\top$		$\dagger$					1110												
u		50000	9 -DA	1													1150					_	_	_					
5	SS		0	0.5					1			1					1200	1/			-	+	$\perp$	_			-		
6			O DA	4	V	V			Y	+	+	+	Q		d.		1240	V	4	A	++	+	+	-					
DI FASE NOTE: Linbilly an	/	/	0										all be	limited	to the amount	t past	by the client for	the											

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or fort, small be affined to the arrival analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without initiation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, service.

Relinquished By:	Date: 31-23 Time: 300	Received By:	Verbal Result:
Relinquished By:	Date: Time:	Received By:	**REMARKS: requested sample ID changes. Speakignery ulaalas
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Observed Temp. *C	Cool Intact (Initials)	Turnaround Time: Standard Bacteria (only) Sample Condition Rush Cool Intact Observed Temp. °C  Thermometer ID #113 Correction Factor -0.5°C - 3R 5/31/23 No No Corrected Temp. °C

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



APPENDIX E

**NMOCD Notifications** 

From: Enviro, OCD, EMNRD

To: Hadlie Green

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

Subject: RE: [EXTERNAL] BTA - Sampling Notification - Week of 05/22/2023

**Date:** Friday, May 19, 2023 2:25:29 PM

Attachments: <u>image005.jpg</u>

image006.png image007.png image008.png image009.png

# [ \*\*EXTERNAL EMAIL\*\*]

Hadlie,

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

JH

Jocelyn Harimon • Environmental Specialist

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

http://www.emnrd.nm.gov



From: Hadlie Green <hgreen@ensolum.com> Sent: Thursday, May 18, 2023 11:37 AM

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

**Cc:** Tacoma Morrissey <tmorrissey@ensolum.com>; Nathan Sirgo <nsirgo@btaoil.com>; Kevin Jones (kjones@btaoil.com) <kjones@btaoil.com>; Kelton Beaird <KBeaird@btaoil.com>

Subject: [EXTERNAL] BTA - Sampling Notification - Week of 05/22/2023

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

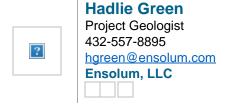
All,

BTA anticipates collecting confirmation samples at the following locations the week of May 22, 2023.

- Harroun Ranch #005 / nAPP2200455573
  - Sampling Date: 5/23/2023 @ 9:00 AM MST

- Harroun East Tank Battery / nAPP2204151142
  - Sampling Date: 5/22/2023 @ 9:00 AM MST
- Harroun East Tank Battery / nAPP2202845563
  - Sampling Date: 5/22/2023 @ 9:00 AM MST
- Mesa Dolphin CTB / nAPP2313555368
  - Sampling Date: 5/25/2023 @ 9:00 AM MST
- Mesa 2H Production Facility / nAPP2115531696
  - Sampling Date: 5/25/2023 @ 9:00 AM MST
- Rojo 20 21 Tank Batery / nAPP2123554329
  - Sampling Date: 5/26/2023 @ 9:00 AM MST
- Rojo 38 41 Tank Battery / nAPP2123555001
  - Sampling Date: 5/26/2023 @ 9:00 AM MST
- Mesa 8105 JV-P 004H / nOY1831160155 /nCH1903550822 / nRM2004549559
  - Sampling Date: 5/24-24/2023 @ 9:00 AM MST

Thank you,





APPENDIX F

Final C-141

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico Energy Minerals and Natural Resources Department

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Form C-141 Revised August 24, 2018 Submit to appropriate OCD District office

Incident ID	nAPP2123554329
District RP	
Facility ID	
Application ID	

Volume/Weight Recovered (provide units)

# **Release Notification**

# **Responsible Party**

Responsible Party: BTA Oil Producers, LLC	OGRID: <b>260297</b>
Contact Name: Bob Hall	Contact Telephone: <b>432-682-3753</b>
Contact email: bhall@btaoil.com	Incident # (assigned by OCD) nAPP2123554329
Contact mailing address: 104 S. Pecos St., Midland, TX 79701	

## **Location of Release Source**

Latitude: **32.08642** Longitude: **-103.56457** 

(NAD 83 in decimal degrees to 5 decimal places)

Site Name:	Rojo 20 2	I Tank Battery		Site Type: Tank Bat	Site Type: Tank Battery						
Date Release Discovered: 8/23/2021				API# (if applicable) Neare API #30-025-47460	st well: <b>Rojo 7811 34 27 Fed #020H</b>						
Unit Letter	Section	Township	Range	County							
L	34	25S	33E	Lea							
L Surface Owne			$\begin{array}{c c} 33E & \\ \hline \end{array}$ $\begin{array}{c c} \text{Tribal} & \hline \end{array}$ Private (N)								
Juliace Owlic	ı. 🗀 State	M rederat 1	illoar [] Illvate (Iv	ume	,						
			Nature and	<b>Volume of Release</b>							

#### Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below) Crude Oil Volume Released (bbls) 7 BBL Volume Recovered (bbls) 5 BBL Produced Water Volume Released (bbls) 20 BBL Volume Recovered (bbls) 15 BBL Is the concentration of dissolved chloride in the Xes □ No produced water >10,000 mg/l? Condensate Volume Released (bbls) Volume Recovered (bbls) Natural Gas Volume Recovered (Mcf) Volume Released (Mcf)

Cause of Release

Volume/Weight Released (provide units)

Separator failure directed oil to the compressor which bypassed the compressor and filled the liquids tank. The tank overflowed inside the earthen containment and spilled oil onto the tank battery pad.

Calculation of spill volume attached.

Other (describe)

	Page 60 of 6
Incident ID	nAPP2123554529
District RP	
Facility ID	
Application ID	

Was this a major	If YES, for what reason(s) does the responsible party consider this a major release?
release as defined by 19.15.29.7(A) NMAC?	The spill volume was greater than 25 BBL, which the NMOCD Rules define as a major
	release.
⊠ Yes □ No	
ICARO : I'.	
	otice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? e was filed online via the Permitting Portal by Bob Hall on 8/23/2021.
	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 rele	ease has been stopped.
☐ The impacted area ha	as been secured to protect human health and the environment.
Released materials ha	ave been contained via the use of berms or dikes, absorbent pads, or other containment devices.
	ecoverable materials have been removed and managed appropriately.
If all the actions describe	d above have not been undertaken, explain why:
ADDITIONAL NOTES:	
	s been stockpiled. Site has been sampled for lab analysis. Report of site observations
attached.	
has begun, please attach	AAC the responsible party may commence remediation immediately after discovery of a release. If remediation a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred nt area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.
	ormation given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and
	required to report and/or file certain release notifications and perform corrective actions for releases which may endanger ment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have
failed to adequately investig	gate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In
addition, OCD acceptance of and/or regulations.	of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws
Printed Name: Bob Hal	Title: Environmental Manager
	20.100
Signature:	Date: 9/14/2021
email: bhall@btaoil.co	Telephone: <b>432-682-3753</b>
OCD O I	
OCD Only	
Received by: Ramona	a Marcus Date: 9/15/2021

**Location** Rojo 20 21 Tank Battery **API #** 

**Spill Date** 8/23/2021

# **Spill Dimensions**

ENTER - Length of Spill50 feetENTER - Width of Spill90 feetENTER - Saturation Depth of Spill3 inches

ENTER - Porosity Factor 0.03 decimal

# Oil Cut - Well Test / Vessel Throughput or Contents

Oil State St

## **Volume Recovered in Truck / Containment**

ENTER - Recovered Oil 5 BBL
ENTER - Recovered Water 15 BBL

#### Calculated Values

Release of Oil in Soil - Unrecovered 2 BBL
Release of Water in Soil - Unrecovered 5 BBL
Unrecovered Total Release 6 BBL

#### **Calculated Values**

Total Release of Oil
Total Release of Water
Total Release

cal	CIII	'ated	
cui	cui	uteu	

calculated

7 BBL	7
O <i>BBL</i>	20
6 <b>BBL</b>	26

Types of Soil	Porosity Factor
Gravel	0.25
Sand	0.20
Clay/silt/sand Mix	0.15
Clay	0.05
Caliche	0.03
Unknown	0.25

(Length X Width X Depth X 1 ft/12 in) X Porosity 5.615 ft<sup>3</sup> / BBL

X Oil Cut (or Water Cut)



# **Daily Progress Report**

18202799903

Reference Number: Form Name: Submitter Name: Submission Date: Location:

20210826-18202799903 Daily Progress Report Jace Caraway (jace.caraway) | jace.caraway Aug 26, 2021 8:24:03 AM MDT 2501 S Permian Pavilion Ave, Artesia, NM 88210, USA Aug 26, 2021 8:23:52 AM MDT [ View Map ]

# **MAIN PAGE**

# Section 1

**Client Name** 

**Project Name** 

Type of Form

**RXSoil Personnel** 

Date/Time

Task

**Percentage Complete** 

Picture 1

BTA

Rojo 20-21

**Progress Reports** 

Jace Caraway

Aug 26, 2021 8:10:00 AM MDT

Site assessment and grab stockpile sample

100







Picture 2



Picture 3



# **SIGNATURE**

# Final Page

Other Notes - Visitors, unexpected occurrences, weather, etc.

Safety Discussion

Rojo 20-21 scrape looks very good. Few wet spots in some areas. Scape zone measures 50x90. Stock pile is 17x12 and close to 4ft high. Took a composite sample from stock pile and will be taking to lab.

Heat

Received by OCD: 8/21/2023 8:07:17 AM Caraway (jace.caraway)	NAPP2123554329	2021 Page 64 of 69
Team Leader Signature		

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720

District II 811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720

District III 1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 48807

#### **CONDITIONS**

Operator:	OGRID:
BTA OIL PRODUCERS, LLC	260297
104 S Pecos	Action Number:
Midland, TX 79701	48807
	Action Type:
	[C-141] Release Corrective Action (C-141)

#### CONDITIONS

Created By	Condition	Condition Date
rmarcus	None	9/15/2021

f New Mexico

Incident ID	nAPP2123554329
District RP	
Facility ID	
Application ID	

# Site Assessment/Characterization

 $This information \ must be provided \ to \ the \ appropriate \ district \ of fice \ no \ later \ than \ 90 \ days \ after \ the \ release \ discovery \ date.$ 

What is the shallowest depth to groundwater beneath the area affected by the release?	<u>&gt;100</u> (ft bgs)		
Did this release impact groundwater or surface water?	☐ Yes ⊠ No		
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ⊠ No		
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	☐ Yes ⊠ No		
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ⊠ No		
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes ⊠ No		
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ⊠ No		
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ⊠ No		
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ⊠ No		
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ⊠ No		
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ⊠ No		
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ⊠ No		
Did the release impact areas <b>not</b> on an exploration, development, production, or storage site?	⊠ Yes □ No		
Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.			
Characterization Report Checklist: Each of the following items must be included in the report.			
<ul> <li>         \infty Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring well         \infty Field data     </li> </ul>	ls.		
☐ Data table of soil contaminant concentration data			
<ul> <li>Depth to water determination</li> <li>Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release</li> </ul>			
Boring or excavation logs			
Photographs including date and GIS information			
☐ Topographic/Aerial maps			
☐ Laboratory data including chain of custody			

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

Received by OCD: 8/21/2023 8:07:17 AM State of New Mexico Oil Conservation Division Page 4

Page 67 of 69

	1 1180 0 1 0 0
Incident ID	nAPP2123554329
District RP	
Facility ID	
Application ID	

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.			
Printed Name: _Kelton Beaird	Title: _Environmental Manager		
Signature:	Date:8/15/2023		
Email: _kbeaird@btaoil.com	Telephone:432-312-2203		
OCD Only			
Received by: Shelly Wells	Date: <u>8/21/2023</u>		

ate of New Mexico

Incident ID nAPP2123554329

Incident ID	nAPP2123554329
District RP	
Facility ID	
Application ID	

# Closure

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

Closure Report Attach	ment Checklist: Each of the following i	items must be incl	uded in the closure report.
A scaled site and sar	npling diagram as described in 19.15.29.	11 NMAC	
Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)			
□ Laboratory analyses	of final sampling (Note: appropriate OD	C District office m	ust be notified 2 days prior to final sampling)
Description of remed	liation activities		
may endanger public health should their operations has thuman health or the environmental compliance with any other restore, reclaim, and re-veraccordance with 19.15.29.  Printed Name: _Kelton Besignature:	th or the environment. The acceptance of we failed to adequately investigate and resonment. In addition, OCD acceptance of rederal, state, or local laws and/or regular getate the impacted surface area to the countries. In addition, OCD acceptance of rederal, state, or local laws and/or regular getate the impacted surface area to the countries.	f a C-141 report by mediate contamina a C-141 report docations. The responditions that exist DCD when reclama Title: _ Environt_ Date:8/15/20	tions and perform corrective actions for releases which the OCD does not relieve the operator of liability ation that pose a threat to groundwater, surface water, es not relieve the operator of responsibility for asible party acknowledges they must substantially ed prior to the release or their final land use in ation and re-vegetation are complete.  mental Manager
OCD Only			
Received by: <u>Shelly We</u>	lls	Date: <u>8/2</u>	21/2023
remediate contamination to party of compliance with a	hat poses a threat to groundwater, surface any other federal, state, or local laws and	water, human heal or regulations.	their operations have failed to adequately investigate and th, or the environment nor does not relieve the responsible
Closure Approved by:	Nelson Velez Nelson Velez	Date: _	12/05/2023
Printed Name:	Nelson Velez	Title: _	Environmental Specialist – Adv

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720

District II 811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720

District III 1000 Rio Brazos Rd., Aztec, NM 87410

Phone:(505) 334-6178 Fax:(505) 334-6170 1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 254590

#### **CONDITIONS**

Operator:	OGRID:
BTA OIL PRODUCERS, LLC	260297
104 S Pecos	Action Number:
Midland, TX 79701	254590
	Action Type:
	[C-141] Release Corrective Action (C-141)

#### CONDITIONS

Created By		Condition Date
nvelez	None	12/5/2023