

July 24, 2024

New Mexico Oil Conservation Division

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

Re: Closure Request

Rojo 10H-13H, 34H-37H

Incident Number nAPP2313055442

Lea County, New Mexico

To Whom It May Concern:

Ensolum, LLC (Ensolum), on behalf of BTA Oil Producers, LLC (BTA), has prepared the following *Closure Request* to document assessment, delineation, excavation, and soil sampling activities at the Rojo 10H-13H, 34H-37H (Site), in accordance with an approved Remediation *Work Plan (Work Plan)*, submitted October 31, 2023. The *Work Plan* detailed assessment and delineation activities that were completed at the Site and proposed additional delineation and excavation of impacted soil identified at the Site. Based on delineation and excavation activities completed and laboratory analytical results from the soil sampling events in accordance with the *Work Plan*, BTA is submitting this *Closure Request*, describing remediation that has occurred and requesting closure for Incident Number nAPP2313055442.

Details regarding the release, Site characterization, and proposed remediation activities can be referenced in the original *Work Plan* submitted on October 31, 2023. The original *Work Plan* is available on the New Mexico Oil Conservation Division (NMOCD) web portal. On February 16, 2024, the NMOCD approved the *Work Plan* as written.

BACKGROUND

The Site is located in Unit A, Section 27, Township 25 South, Range 33 East, in Lea County, New Mexico (32.108028°, -103.553151°) and is associated with oil and gas exploration and production operations on private land owned by CAML, LTD.

On April 27, 2023, failure of a fused seam on a 6-inch poly line resulted in the release of approximately 650 barrels (bbls) of produced water onto the surface of well pad and into the surrounding pasture west of the pad. A vacuum truck was dispatched to the Site to recover free-standing fluids; approximately 130 bbls of produced water were recovered. BTA reported the release immediately to the NMOCD via email and submitted a Release Notification Form C-141 (Form C-141) on May 16, 2023. The release was assigned Incident Number nAPP2313055442.

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).

Ensolum, LLC | Environmental, Engineering & Hydrogeologic Consultants 3122 National Parks Highway | Carlsbad, NM 88220 | ensolum.com

BTA Oil Producers, LLC Closure Request Rojo 10H-13H, 34H-37H

Based on the results of the Site Characterization reported in the October 2023 *Work Plan*, the following NMOCD Table I Closure Criteria (Closure Criteria) apply:

Benzene: 10 milligrams per kilogram (mg/kg)

Benzene, toluene, ethylbenzene, and total xylenes (BTEX): 50 mg/kg

 Total Petroleum Hydrocarbons (TPH)-gasoline range organics (GRO) and TPH-diesel range organics (DRO): 1,000 mg/kg

TPH: 2,500 mg/kg

Chloride: 10,000 mg/kg

A reclamation requirement of 600 mg/kg chloride and 100 mg/kg TPH 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.

DELINEATION ACTIVITIES AND LABORATORY ANALYTICAL RESULTS

On March 5, 2024, Ensolum personnel were at the Site to assess the vertical extent of impacted soil within the on pad release extent. Boreholes BH07 through BH09 were advanced via hydrovac within the release. Soil from the boreholes was field screened at half foot intervals for volatile organic compounds (VOCs) utilizing a calibrated photoionization detector (PID) and chloride utilizing Hach® chloride QuanTab® test strips. The final depth of the boreholes was determined by field screening results of soil indicating the likelihood of compliance with the Closure Criteria. Field screening results and observations for the boreholes were logged on lithologic/soil sampling logs, which are included in Appendix A. The release extent and soil sample locations were mapped utilizing a handheld Global Positioning System (GPS) unit and are depicted on Figure 2. Photographic documentation was completed during the Site visit and a photographic log is included in Appendix B.

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

Laboratory analytical results for the delineation soil samples collected from boreholes BH07 through BH09 indicated all COC concentrations were compliant with the Site Closure Criteria. The laboratory analytical results are summarized in Table 1 and the complete laboratory analytical reports are included in Appendix C. Based on visible staining in the release area, elevated field screening results, and laboratory analytical results for the assessment and delineation soil samples, excavation activities were warranted.

EXCAVATION ACTIVITIES AND LABORATORY ANALYTICAL RESULTS

Between May 10, 2024, and July 9, 2024, Ensolum personnel oversaw excavation activities based on field screening activities and laboratory analytical results from assessment and delineation activities. Excavation activities were performed via excavator, hydrovac, hand shovels, and transport vehicles. To direct excavation activities, soil was field screened for VOCs and chloride. The excavation was completed to depths ranging from 1-foot to 5 feet below ground surface (bgs). Photographic documentation is included in Appendix B.



BTA Oil Producers, LLC Closure Request Rojo 10H-13H, 34H-37H

Following removal of impacted soil, 5-point composite soil samples were collected every 400 square feet from the floor per an approved sampling variance and every 200 square feet of the sidewalls of the excavation, following the approved *Work Plan*. 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 FS58 were collected from the floor of the excavation at depths ranging from 1-foot to 5 feet bgs. Composite soil samples SW01 through SW22 were collected from the sidewalls of the excavation at depths ranging from the ground surface to 5 feet bgs. The excavation extent and excavation soil sample locations are presented on Figure 3.

Laboratory analytical results for excavation soil samples, collected from the final excavation extent, indicated all COC concentrations were compliant with the Site Closure and reclamation requirement, where applicable. Laboratory analytical results are summarized in Table 1 and the complete laboratory analytical reports are included as Appendix C.

The excavation measured approximately 23,000 square feet in areal extent. A total of approximately 3,400 cubic yards of impacted soil was removed during excavation activities. The soil was transported and properly disposed of at the Lea Land Disposal Facility in New Mexico. After completion of confirmation sampling, the excavation was secured with fencing.

CLOSURE REQUEST

Remediation activities were conducted at the Site to address the April 2023 produced water release. Laboratory analytical results for excavation soil samples, collected from the final excavation extent, indicated all COC concentrations were compliant with the Site Closure Criteria and reclamation requirement, where applicable. Based on soil analytical results, no further remediation is required. BTA will backfill the excavation with material purchased locally and recontour the Site to match pre-existing conditions.

Based on initial response efforts and soil sample laboratory analytical results confirming the removal of impacted soil, these actions appear to have been protective of human health, the environment, and groundwater. As such, BTA respectfully requests closure for Incident Number nAPP2313055442.

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

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

Hadlie Green Project Geologist

cc: Ray Ramos, BTA CAML, LTD

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Daniel R. Moir, PG (licensed in WY & TX) Senior Managing Geologist BTA Oil Producers, LLC Closure Request Rojo 10H-13H, 34H-37H

Appendices:

Figure 1 Site Receptor Map

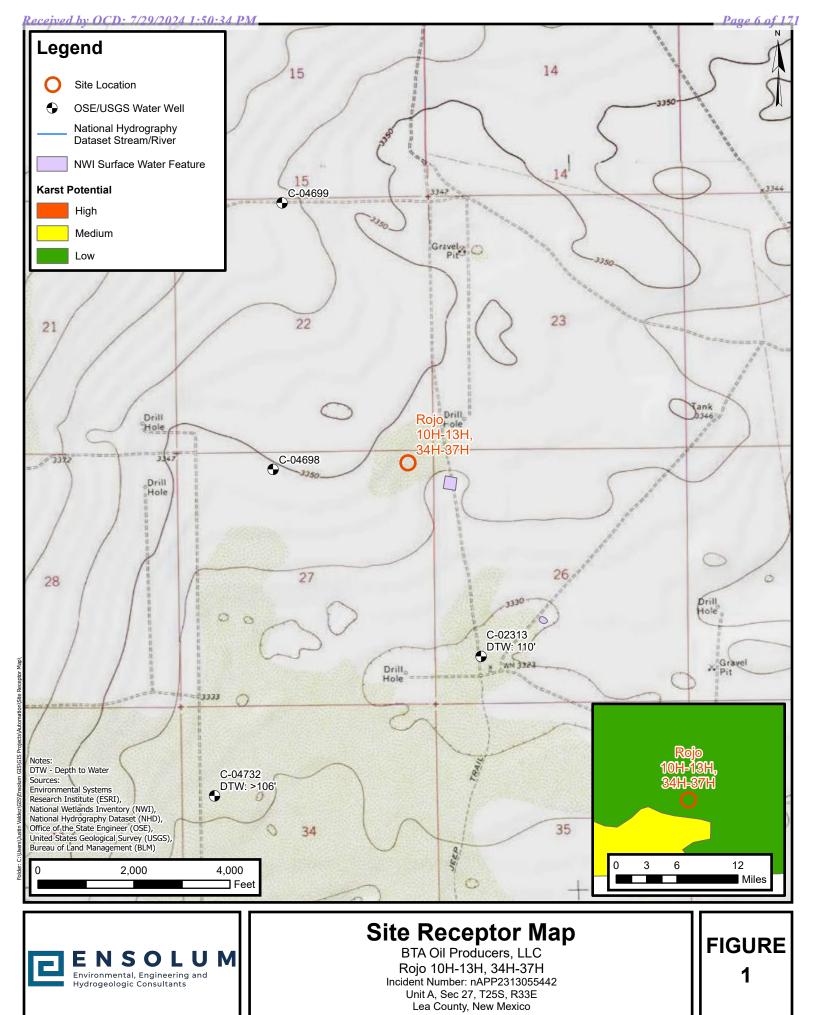
Figure 2 Delineation Soil Sample Locations
Figure 3 Excavation Soil Sample Locations
Table 1 Soil Sample Analytical Results
Appendix A Lithologic / Soil Sampling Logs

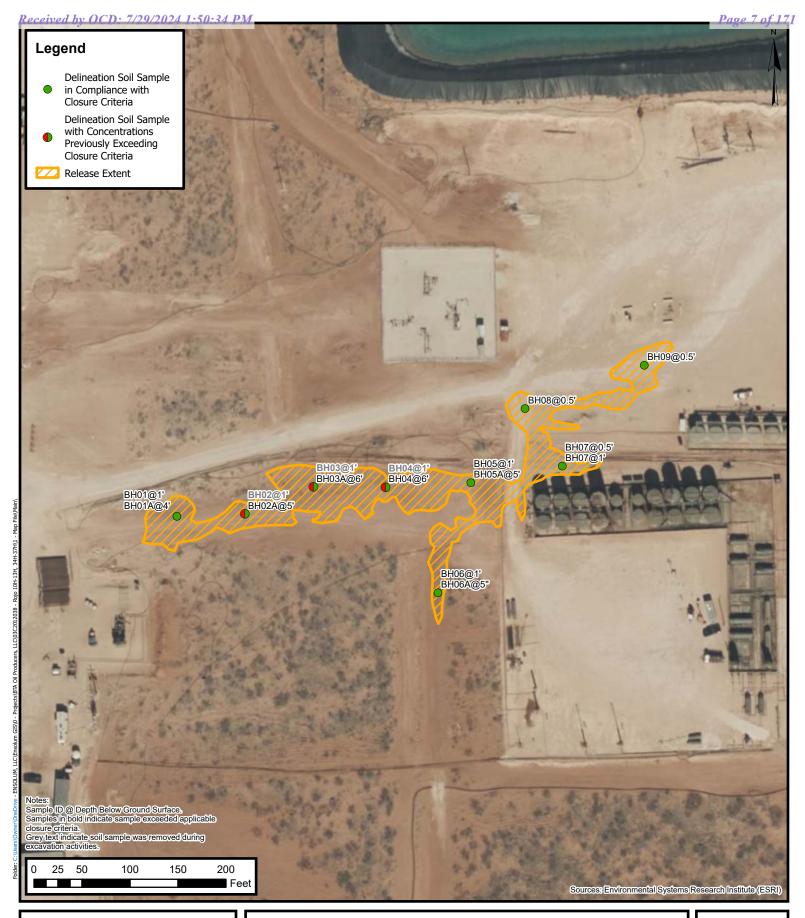
Appendix B Photographic Log

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



FIGURES

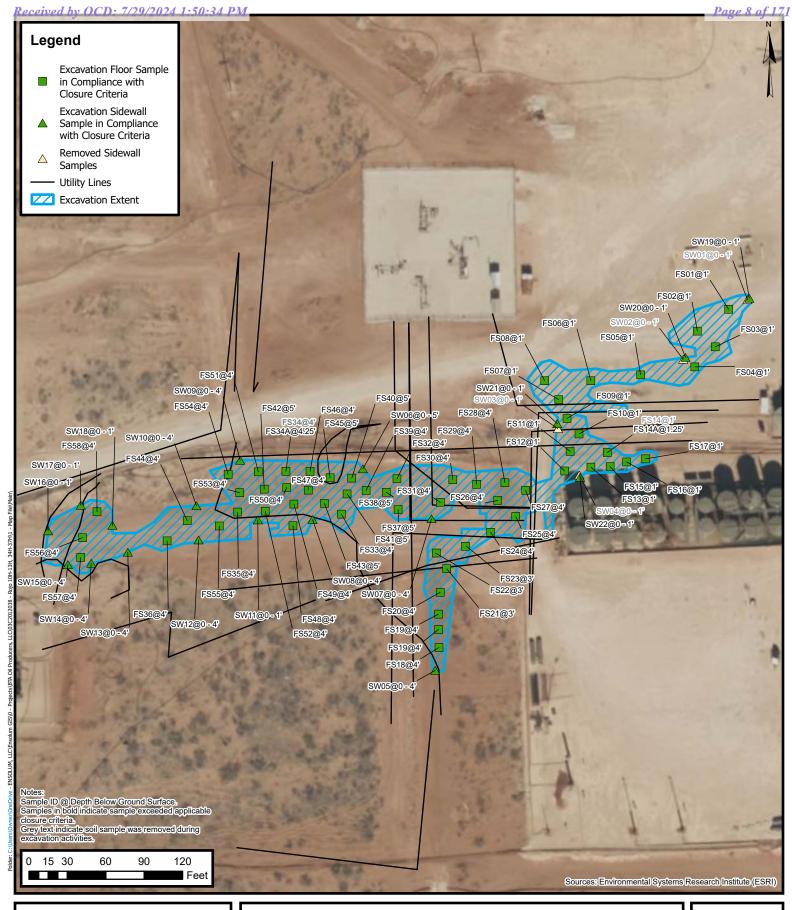






Delineation Soil Sample Locations

BTA Oil Producers, LLC Rojo 10H-13H, 34H-37H Incident Number: nAPP2313055442 Unit A, Sec 27, T25S, R33E Lea County, New Mexico FIGURE 2





Excavation Soil Sample Locations

BTA Oil Producers, LLC Rojo 10H-13H, 34H-37H Incident Number: nAPP2313055442 Unit A, Sec 27, T25S, R33E Lea County, New Mexico FIGURE 3





SOIL SAMPLE ANALYTICAL RESULTS

Rojo 10H-13H, 34H-37H

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Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I	Closure Criteria ((NMAC 19.15.29)	10	50	NE	NE	NE	1,000	2,500	10,000
				Asse	ssment Soil San	nples				
SS01	05/19/2023	0.5	<0.050	<0.300	<10.0	58.7	<10.0	59.0	59.0	24,000
SS02	05/19/2023	0.5	<0.050	<0.300	<10.0	834	243	834	1,077	10,800
SS03*	05/19/2023	0.5	<0.050	<0.300	<10.0	85.9	49.2	86.0	134	18,800
SS04*	05/19/2023	0.5	< 0.050	<0.300	<10.0	49.4	26.6	49.0	76.0	14,000
SS05*	05/19/2023	0.5	<0.050	<0.300	<10.0	416	102	416	518	9,460
SS06*	05/19/2023	0.5	< 0.050	<0.300	<10.0	21.5	20.2	22.0	42.0	22,000
SS07*	05/19/2023	0.5	< 0.050	<0.300	<10.0	14.8	<10.0	15.0	15.0	20,400
SS08*	05/19/2023	0.5	< 0.050	<0.300	<10.0	18.0	<10.0	18.0	18.0	15,200
SS09	05/19/2023	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	240
SS10*	05/19/2023	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
SS11*	05/19/2023	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
SS12*	05/19/2023	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
SS13*	05/19/2023	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
SS14*	05/19/2023	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
SS15	05/19/2023	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	224
SS16	05/19/2023	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
				Delir	neation Soil Sam	ples				
BH01*	06/16/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
BH01A	06/16/2023	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	496
BH02*	06/15/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,940
BH02A	06/16/2023	5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
BH03*	06/15/2023	1	< 0.050	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	3,320
BH03A	06/16/2023	6	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0



SOIL SAMPLE ANALYTICAL RESULTS

Rojo 10H-13H, 34H-37H BTA Oil Produers, LLC

				Lea	County, New Me	xico				
Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I	Closure Criteria ((NMAC 19.15.29)	10	50	NE	NE	NE	1,000	2,500	10,000
BH04*	06/15/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,360
BH04A	06/16/2023	6	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160
BH05*	06/15/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	224
BH05A	06/15/2023	5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	336
BH06*	06/15/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	592
BH06A	06/16/2023	5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
BH07	03/05/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
BH07	03/05/2024	1	< 0.050	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	176
BH08	03/05/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	736
BH09	03/05/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	928
				Excava	tion Floor Soil S	amples				
FS01	05/10/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	3,480
FS02	05/10/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,360
FS03	05/10/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	3,440
FS04	05/10/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,490
FS05	05/10/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,250
FS06	05/10/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	768
FS07	05/10/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	992
FS08	05/10/2024	1	<0.050	<0.300	<10.0	13.0	<10.0	13.0	13.0	608
FS09	05/10/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	432
FS10	05/10/2024	1	<0.050	<0.300	<10.0	41.6	<10.0	41.6	41.6	1,220
FS11	05/10/2024	1	<0.050	<0.300	<10.0	732	186	732	918	1,010
FS12	05/10/2024	1	<0.050	<0.300	<10.0	322	70.5	322	393	352
FS13	05/10/2024	1	<0.050	<0.300	<10.0	184	103	184	287	784
FS14	05/10/2024	1	<0.050	0.323	13.8	1,320	418	1,334	1,752	1,630
FS14A	06/07/2027	1.25	<0.050	<0.300	<10.0	387	195	387	582	128
FS15	05/10/2024	1	<0.050	<0.300	<10.0	190	127	190	317	384



SOIL SAMPLE ANALYTICAL RESULTS

Rojo 10H-13H, 34H-37H BTA Oil Produers, LLC

Lea County, New Mexico

Lea County, New Mexico												
Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)		
NMOCD Table I	Closure Criteria	(NMAC 19.15.29)	10	50	NE	NE	NE	1,000	2,500	10,000		
FS16	05/10/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	800		
FS17	05/10/2024	1	<0.050	<0.300	<10.0	38.0	<10.0	38.0	38.0	240		
FS18	06/25/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0		
FS19	06/25/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	336		
FS20	06/26/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	304		
FS21*	06/26/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	368		
FS22*	06/26/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	448		
FS23*	07/09/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0		
FS24	07/09/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	208		
FS25	07/09/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	384		
FS26	07/09/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	464		
FS27	07/09/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,840		
FS28	07/09/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	4,080		
FS29	07/09/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	6,000		
FS30	06/27/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,250		
FS31	06/27/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	944		
FS32	05/17/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	9,700		
FS33	05/17/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160		
FS34	05/17/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	14,200		
FS34A	06/07/2024	4.25	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	4,640		
FS35	05/17/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	2,040		
FS36	05/17/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0		
FS37	06/26/2024	5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	992		
FS38	06/26/2024	5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,340		
FS39	05/17/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	6,560		
FS40	06/26/2024	5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	2,140		
FS41	06/27/2024	5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	2,640		



SOIL SAMPLE ANALYTICAL RESULTS

Rojo 10H-13H, 34H-37H BTA Oil Produers, LLC

Sample Designation	Date	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)
IMOCD Table I	Closure Criteria (NMAC 19.15.29)	10	50	NE	NE	NE	1,000	2,500	10,000
FS42	07/09/2024	5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	3,920
FS43	06/27/2024	5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	3,000
FS44	05/17/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	400
FS45	06/26/2024	5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	2,110
FS46	05/17/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	5,200
FS47	05/17/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	3,480
FS48	05/17/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	832
FS49	05/17/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	5,040
FS50	05/17/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	6,320
FS51	05/17/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	6,960
FS52	05/17/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	544
FS53	05/17/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	5,760
FS54	05/17/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	6,160
FS55	05/17/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	848
FS56	07/09/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	208
FS57	07/09/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	528
FS58	07/09/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,730
				Excavation	on Sidewall Soil	Samples				
SW01	05/10/2024	0 - 1	<0.050	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,090
SW02	05/10/2024	0 - 1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,090
SW03	05/10/2024	0 - 1	<0.050	< 0.300	<10.0	77.6	31.3	77.6	109	816
SW04	05/10/2024	0 - 1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	816
SW05*	06/25/2024	0 - 4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	320
SW06*	06/24/2024	0 - 5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0
SW07*	05/17/2024	0 - 4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
SW08*	05/17/2024	0 - 4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	496
SW09*	06/27/2024	0 - 4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0



SOIL SAMPLE ANALYTICAL RESULTS

Rojo 10H-13H, 34H-37H BTA Oil Produers, LLC

Lea County, New Mexico

	Lea Gounty, New Mexico													
Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)				
NMOCD Table I	Closure Criteria	(NMAC 19.15.29)	10	50	NE	NE	NE	1,000	2,500	10,000				
SW10*	07/09/2024	0 - 4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	192				
SW11*	05/17/2024	0 - 1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128				
SW12*	05/17/2024	0 - 4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144				
SW13*	05/17/2024	0 - 4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0				
SW14*	05/17/2024	0 - 4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	288				
SW15*	05/17/2024	0 - 4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	304				
SW16*	05/17/2024	0 - 1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	368				
SW17*	05/17/2024	0 - 1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160				
SW18	05/17/2024	0 - 1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0				
SW19	06/07/2024	0 - 1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0				
SW20	06/07/2024	0 - 1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	368				
SW21	06/07/2024	0 - 1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0				
SW22	06/07/2024	0 - 1	<0.050	<0.300	<10.0	77.7	21.8	77.7	100	160				

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

TPH: Total Petroleum Hydrocarbon GRO: Gasoline Range Organics DRO: Diesel Range Organics ORO: Oil Range Organics ${\it Concentrations in } \ {\it bold} \ {\it exceed the NMOCD Table I Closure Criteria or reclamation standard where applicable.}$

Grey text indicates sample has been excavated.

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



APPENDIX A

Lithologic Soil Sampling Logs

ENSOLUM Sample Name: BH01 Date: 6/16/2023	vortexes od with
Job Number: 03C2012038 LITHOLOGIC / SOIL SAMPLING LOG Logged By: Ronni Hayes Method: Excavator Coordinates: 32.1083586, -103.5546914 Hole Diameter: 3' Total Depth: Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test p1:4 dilution factor of soil to distilled water. 40% correction factor included. Sample Depth (ft bgs) Solution Depth Depth (ft bgs) Depth Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test p1:4 dilution factor of soil to distilled water. 40% correction factor included. Depth Depth Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test p1:4 dilution factor of soil to distilled water. 40% correction factor included. Depth Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test p1:4 dilution factor of soil to distilled water. 40% correction factor included. Depth Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test p1:4 dilution factor of soil to distilled water. 40% correction factor included. Depth Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test p1:4 dilution factor of soil to distilled water. 40% correction factor included. Depth Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test p1:4 dilution factor of soil to distilled water. 40% correction factor included. Depth Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride Test Strips and PID for chloride Test Strips and PID for chlori	norformed with
Job Number: 03C2012038 LITHOLOGIC / SOIL SAMPLING LOG Logged By: Ronni Hayes Method: Excavator Coordinates: 32.1083586, -103.5546914 Hole Diameter: 3' Total Depth: Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test p1:4 dilution factor of soil to distilled water. 40% correction factor included. Sample Depth (ft bgs) Soil Depth (ft bgs) Depth Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test p1:4 dilution factor of soil to distilled water. 40% correction factor included. Lithologic Descriptions Lithol	norformed with
LITHOLOGIC / SOIL SAMPLING LOG Coordinates: 32.1083586, -103.5546914 Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test processing to distilled water. 40% correction factor included. Sample Depth (ft bgs) Depth (ft bgs) Lithologic Descriptions	norformed with
Coordinates: 32.1083586, -103.5546914 Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test processing to distilled water. 40% correction factor included. Sample Depth (ft bgs) Depth (ft bgs) Lithologic Descriptions	norformed with
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test processing to distilled water. 40% correction factor included. Sample Depth (ft bgs) Solution 1	norformed with
1:4 dilution factor of soil to distilled water. 40% correction factor included. Output	benormed with
# °	
M <173.8 1.8 N BH01 1 1 SP-SM SAND, poorly graded, low plasticity, low cohes ness, reddish brown M 212 1.2 N BH01A 2 2 2 SAA SAA M <173.8 1.3 N BH01B 3 3 SP-GP SAND, poorly graded sand with abundant limestone low cohesiveness, light brown M 212 0.4 N BH01C 4 4 SAA SAA Refusal at 4ft bgs TD at 4 ft bgs	sive-

Ш		F						Sample Name: BH02	Date: 6/16/23
ᄕ								Cita Nama: Paia 10H 12H 24H 27	
			N	5	OL	U	M	Site Name: Rojo 10H-13H, 34H-37 Incident Number: nAPP231305544	
									12
_		ITUO	0614	- / sou s	SAMPLING	106		Job Number: 03C2012038	Method: Excavator
Coordin				3.554510		LUG		Logged By: Ronni Hayes Hole Diameter: 3'	Total Depth:
						hlorido Tost		d PID for chloride and vapor, respec	·
			_				-	n factor included.	tively. Chloride test
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Des	criptions
					Ţ	0			
						<u>-</u>			
M 2	2,783	11.2	N	BH02	1 _	1	SP-SM	SAND, poorly graded, low pla ness, reddish brown	asticity, low cohesive-
M 2	2,548	11.7	N	BH02A	2	<u> </u>	SAA	SAA	
M 2	2,604	6.2	N	вно2в	3 _	- _ 3 -	SP-GP	SAND, poorly graded sand w low cohesiveness, light brow	ith abundant limestone n
М	952	3.4	N	вно2С	4	4	SAA	SAA	
M <	:173.8	1.4	N	BH02D	- 5 -	- - 5 -	ССНЕ	CALICHE, abundant limeston ness, low plasticity, pale tan	e gravel, low cohesive-
					- - -	- -		Refusal at 5 ft bgs TD at 5 ft bgs	
					- -	- -			
					-	- - -			
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]	- -			
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					7	-			
						-			

3,432.8

1,741.60

1,864.80

2,548

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1.3

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BH03A

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BH03D

BH03E

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4

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6

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								Sample Name: BH03	Date: 6/16/23
		: N		5				Site Name: Rojo 10H-13H, 34H-37H Incident Number: nAPP231305544	4
				9				Incident Number: nAPP231305544	12
								Job Number: 03C2012038	
	LI	THOLO	GIC /	SOIL SA	MPLING L	.OG		Logged By: Ronni Hayes	Method: Excavator
Coord	inates: 32.108	4193, -10)3.55 ₋	42732				Hole Diameter: 3'	Total Depth:
with 1	:4 dilution fact	•		istilled wat			r included	or chloride and vapor, respectively	. Chioride test performed
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Des	criptions
					I -	0			
M	1,215.2	2.8	N	BH03	1 _	1	SP-SM	SAND, poorly graded, low planess, reddish brown	asticity, low cohesive-

2

3

4

5

6

SAA

SAA

SAA

SP-GP SAND, poorly graded sand with abundant limestone

CCHE | CALICHE, abundant limestone gravel, low cohesive-

low cohesiveness, light brown

ness, low plasticity, pale tan

Refusal at 6 ft bgs TD at 6 ft bgs

SAA

SAA

SAA

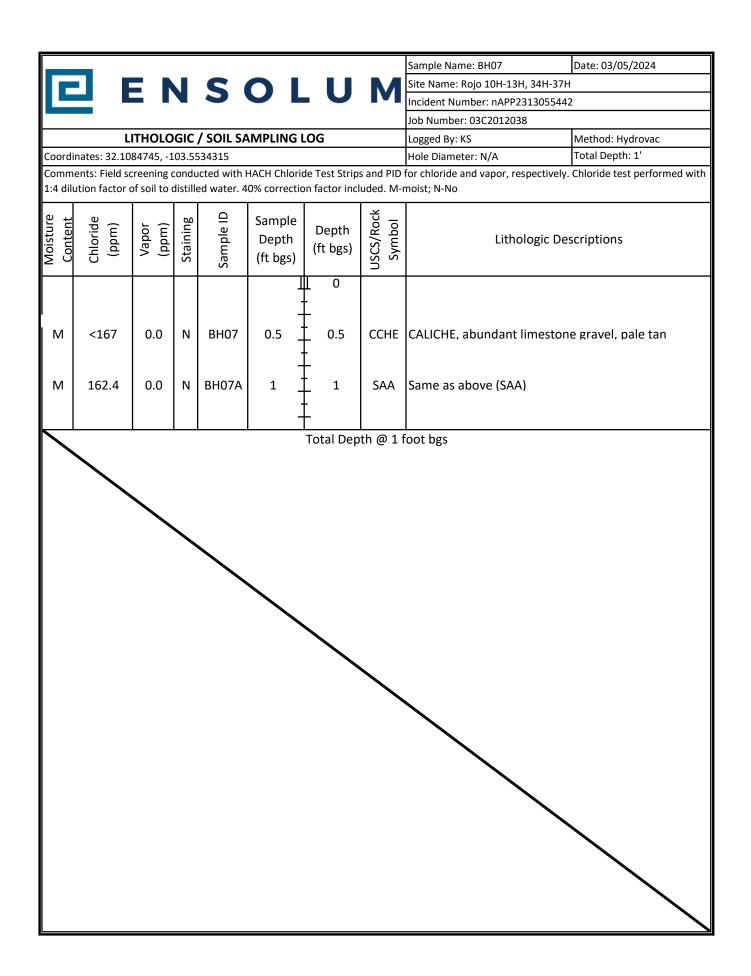
								Sample Name: BH04	Date: 6/16/23
	7 .						R.A	Site Name: Rojo 10H-13H, 34H-	
	_ [A	3	O L	. U	V	Incident Number: nAPP231305	
								Job Number: 03C2012038	
	L	THOLO	GIC	/ SOIL SA	MPLING	LOG		Logged By: Ronni Hayes	Method: Excavator
Coordi	nates: 32.10	084139, -	103.5	540414				Hole Diameter: 3'	Total Depth:
		_						D for chloride and vapor, respecactor included.	tively. Chloride test
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic D	escriptions
					I	0			
М	1,864	8.2	N	BH04	1 _	1	SP-SM	SAND, poorly graded, low ness, reddish brown	plasticity, low cohesive-
М	1,741	6.2	N	BH04A	2 _	2	SAA	SAA	
М	3,432	2.9	N	вно4в	3	3	SP-GP	SAND, poorly graded sand limestone low cohesivene	d with abundant ess, light brown
М	1,310	1.8	N	вно4С	4 _	4	SAA	SAA	
М	661	1.4	N	BH04D	5 _	5	SAA	SAA	
М	319.2	1.1	N	BH04E	6 _	6	ССНЕ	CALICHE, abundant limes ness, low plasticity, pale t	tone gravel, low cohesive can
					- - - -	- - -		Refusal at 6 ft bgs TD at 6 ft bgs	
					- - - -	- 8 -			
					- - - -	9			
					- - -	10			
					- - -	11			
					-	12			

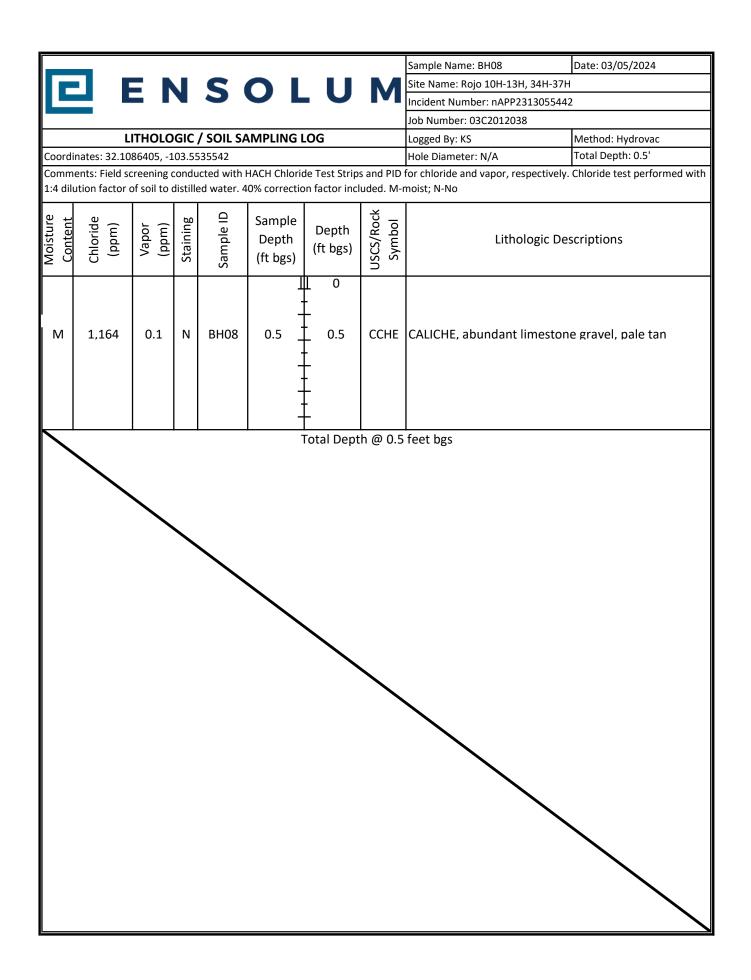
Sample Name: BH05 Site Name: Rojo 10H-13H, 34 Incident Number: nAPP2313 Job Number: 03C2012038 LITHOLOGIC / SOIL SAMPLING LOG Logged By: Ronni Hayes Coordinates: 32.1084317, -103.5537033 Hole Diameter: 3' Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, responsible 1:4 dilution factor of soil to distilled water. 40% correction factor included.	Method: Excavator Total Depth:
LITHOLOGIC / SOIL SAMPLING LOG Logged By: Ronni Hayes Coordinates: 32.1084317, -103.5537033 Hole Diameter: 3' Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, responsible 1:4 dilution factor of soil to distilled water. 40% correction factor included.	Method: Excavator Total Depth: ectively. Chloride test performed
LITHOLOGIC / SOIL SAMPLING LOG Logged By: Ronni Hayes Coordinates: 32.1084317, -103.5537033 Hole Diameter: 3' Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, responsible 1:4 dilution factor of soil to distilled water. 40% correction factor included.	Method: Excavator Total Depth: ectively. Chloride test performed
LITHOLOGIC / SOIL SAMPLING LOG Coordinates: 32.1084317, -103.5537033 Hole Diameter: 3' Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, responsible 1:4 dilution factor of soil to distilled water. 40% correction factor included.	Total Depth: ectively. Chloride test performed
Coordinates: 32.1084317, -103.5537033 Hole Diameter: 3' Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, responsible 1:4 dilution factor of soil to distilled water. 40% correction factor included.	Total Depth: ectively. Chloride test performed
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, responsible to the conducted water. 40% correction factor included.	ectively. Chloride test performed
with 1:4 dilution factor of soil to distilled water. 40% correction factor included.	
Sample Douth So o	ic Descriptions
Chlos Control Chlos Control Chlos Control Chlos Control Chlos Chlo	•
M 604.8 3.0 N BH05 1 1 SP-SM SAND, poorly graded, Identification of the second of the	and with abundant eness, light brown

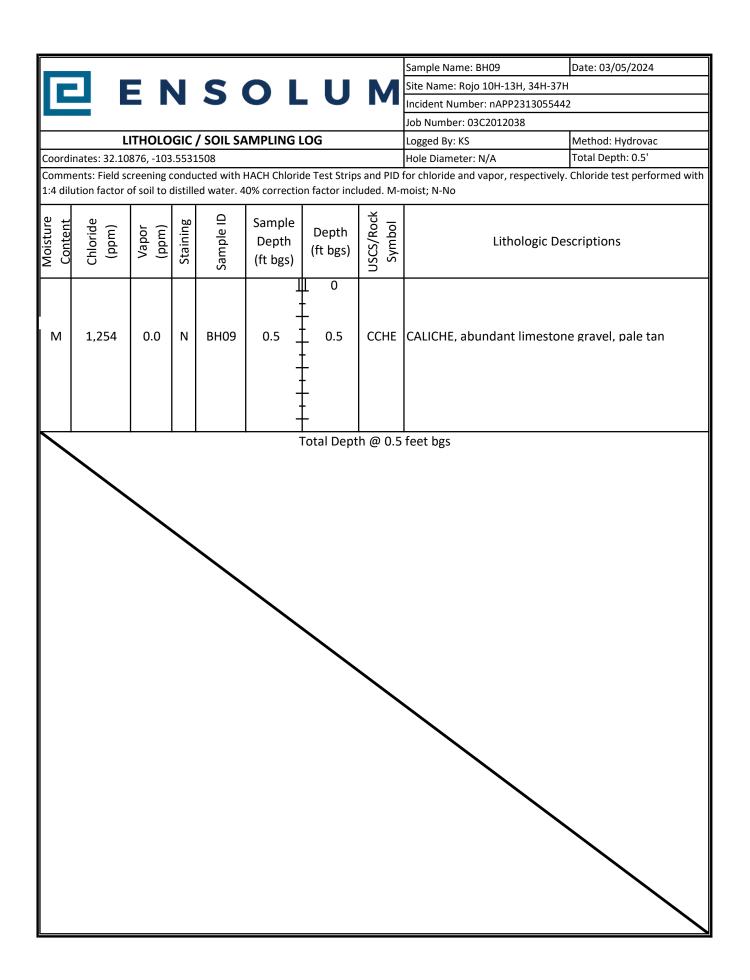
	Sample Name: BH06	Date: 6/16/23
ENSOLUM	Site Name: Rojo 10H-13H, 34H-37H	ł
E N 3 O L O M	Incident Number: nAPP231305544	2
	Job Number: 03C2012038	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: Ronni Hayes	Method: Excavator
Coordinates: 32.1081156, -103.5538520	Hole Diameter: 3'	Total Depth:
Comments: Field screening conducted with HACH Chloride Test Strips and PID	for chloride and vapor respectively	Chloride test performed

Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. 40% correction factor included.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
					_ -	0 -		
M	1,310	5.6	N	ВН06	1 _	1	SP-SM	SAND, poorly graded, low plasticity, low cohesiveness, reddish brown
М	1,192	3.8	N	вно6А	2	2	SAA	SAA
М	448	2.7	N	вно6в	3 _	3	SP-GP	SAND, poorly graded sand with abundant limestone low cohesiveness, light brown
М	<173.8	2.3	N	вно6С	4 _	4	SAA	SAA
M	<173.8	1.3	Z	BH06D	5 -	- 5 - 5 	CCHE	CALICHE, abundant limestone gravel, low cohesiveness, low plasticity, pale tan Refusal at 5 ft bgs TD at 5 ft bgs









APPENDIX B

Photographic Log



Photographic Log

BTA Oil Producers, LLC Rojo 10H-13H, 34H-37H Incident Number nAPP2313055442

© 51°NE (T) • 32.108382, -103.554575 ±3m ▲ 996m



Photograph: 2

Date: 5/17/2024

Description: Excavation activities

View: Northeast

Remediation compling

Photograph: 1 Date: 3/5/2024

Description: Delineation activities

View: North



Photograph: 3 Description: Excavation activities

View: Northwest



Photograph: 4

Date: 6/26/2024

Description: Excavation activities

View: South

Date: 5/17/2024



Photographic Log

BTA Oil Producers, LLC Rojo 10H-13H, 34H-37H Incident Number nAPP2313055442





Photograph: 5 Date: 6/27/2024

Description: Excavation activities

View: Southeast

Photograph: 6

Description: Excavation activities

View: West





Photograph: 7

Date: 7/9/2024

Photograph: 8

Date: 7/9/2024

Date: 6/27/2024

Description: Excavation activities

View: Northeast

Description: Excavation activities

View: Southwest



APPENDIX C

Laboratory Analytical Reports & Chain of Custody Documentation



June 23, 2023

HADLIE GREEN
ENSOLUM
3122 NATIONAL PARKS HWY
CARLSBAD, NM 88220

RE: ROJO 10H - 13H, 34H - 37H

Enclosed are the results of analyses for samples received by the laboratory on 06/19/23 14:30.

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

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

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

Accreditation applies to public drinking water matrices.

Celey D. 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: 06/19/2023 Sampling Date: 06/16/2023
Reported: 06/23/2023 Sampling Type: Soil

Project Name: ROJO 10H - 13H, 34H - 37H Sampling Condition: Cool & Intact
Project Number: 03C2012038 (32.108028-103.553151) Sample Received By: Tamara Oldaker

Project Location: BTA - LEA CO

Sample ID: BH 01 1' (H233151-01)

BTEX 8021B	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/21/2023	ND	1.85	92.5	2.00	2.76	
Toluene*	<0.050	0.050	06/21/2023	ND	1.85	92.6	2.00	2.49	
Ethylbenzene*	<0.050	0.050	06/21/2023	ND	1.90	94.8	2.00	2.68	
Total Xylenes*	<0.150	0.150	06/21/2023	ND	5.79	96.5	6.00	1.73	
Total BTEX	<0.300	0.300	06/21/2023	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	64.0	16.0	06/21/2023	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	06/21/2023	ND	159	79.7	200	1.93	
DRO >C10-C28*	<10.0	10.0	06/21/2023	ND	158	79.1	200	2.15	
EXT DRO >C28-C36	<10.0	10.0	06/21/2023	ND					
Surrogate: 1-Chlorooctane	128	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	134	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene



Analytical Results For:

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

Received: 06/19/2023 Sampling Date: 06/16/2023

Reported: 06/23/2023 Sampling Type: Soil

Project Name: ROJO 10H - 13H, 34H - 37H Sampling Condition: Cool & Intact
Project Number: 03C2012038 (32.108028-103.553151) Sample Received By: Tamara Oldaker

Analyzed By: MS

Project Location: BTA - LEA CO

mg/kg

Sample ID: BH 01 C 4' (H233151-02)

BTEX 8021B

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/21/2023	ND	2.38	119	2.00	5.79	QM-07
Toluene*	<0.050	0.050	06/21/2023	ND	2.16	108	2.00	4.22	
Ethylbenzene*	<0.050	0.050	06/21/2023	ND	2.16	108	2.00	4.70	
Total Xylenes*	<0.150	0.150	06/21/2023	ND	6.48	108	6.00	5.04	
Total BTEX	<0.300	0.300	06/21/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.7	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	496	16.0	06/21/2023	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	06/21/2023	ND	159	79.7	200	1.93	
DRO >C10-C28*	<10.0	10.0	06/21/2023	ND	158	79.1	200	2.15	
EXT DRO >C28-C36	<10.0	10.0	06/21/2023	ND					
Surrogate: 1-Chlorooctane	93.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	94.4	% 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: 06/19/2023 Sampling Date: 06/15/2023

Reported: 06/23/2023 Sampling Type: Soil

Project Name: ROJO 10H - 13H, 34H - 37H Sampling Condition: Cool & Intact
Project Number: 03C2012038 (32.108028-103.553151) Sample Received By: Tamara Oldaker

Analyzed By: MS

Project Location: BTA - LEA CO

mg/kg

Sample ID: BH 02 1' (H233151-03)

BTEX 8021B

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/21/2023	ND	2.38	119	2.00	5.79	
Toluene*	<0.050	0.050	06/21/2023	ND	2.16	108	2.00	4.22	
Ethylbenzene*	<0.050	0.050	06/21/2023	ND	2.16	108	2.00	4.70	
Total Xylenes*	<0.150	0.150	06/21/2023	ND	6.48	108	6.00	5.04	
Total BTEX	<0.300	0.300	06/21/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.8	% 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	1940	16.0	06/21/2023	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	06/21/2023	ND	159	79.7	200	1.93	
DRO >C10-C28*	<10.0	10.0	06/21/2023	ND	158	79.1	200	2.15	
EXT DRO >C28-C36	<10.0	10.0	06/21/2023	ND					
Surrogate: 1-Chlorooctane	92.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	99.4	% 49.1-14	8						

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Analytical Results For:

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

Received: 06/19/2023 Sampling Date: 06/16/2023

Reported: 06/23/2023 Sampling Type: Soil

Project Name: ROJO 10H - 13H, 34H - 37H Sampling Condition: Cool & Intact
Project Number: 03C2012038 (32.108028-103.553151) Sample Received By: Tamara Oldaker

Analyzed By: MS

Project Location: BTA - LEA CO

mg/kg

Sample ID: BH 02 D 5' (H233151-04)

BTEX 8021B

	9,	9	7	7: : : :					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/21/2023	ND	2.38	119	2.00	5.79	
Toluene*	<0.050	0.050	06/21/2023	ND	2.16	108	2.00	4.22	
Ethylbenzene*	<0.050	0.050	06/21/2023	ND	2.16	108	2.00	4.70	
Total Xylenes*	<0.150	0.150	06/21/2023	ND	6.48	108	6.00	5.04	
Total BTEX	<0.300	0.300	06/21/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.5	% 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	06/21/2023	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	06/21/2023	ND	159	79.7	200	1.93	
DRO >C10-C28*	<10.0	10.0	06/21/2023	ND	158	79.1	200	2.15	
EXT DRO >C28-C36	<10.0	10.0	06/21/2023	ND					
Surrogate: 1-Chlorooctane	110	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	117	% 49.1-14	8						

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Analytical Results For:

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

Received: 06/19/2023 Sampling Date: 06/15/2023

Reported: 06/23/2023 Sampling Type: Soil

Project Name: ROJO 10H - 13H, 34H - 37H Sampling Condition: Cool & Intact
Project Number: 03C2012038 (32.108028-103.553151) Sample Received By: Tamara Oldaker

Analyzed By: MS

Project Location: BTA - LEA CO

mg/kg

Sample ID: BH 03 1' (H233151-05)

BTEX 8021B

	9,	9	7	7: : : :					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/21/2023	ND	2.38	119	2.00	5.79	
Toluene*	<0.050	0.050	06/21/2023	ND	2.16	108	2.00	4.22	
Ethylbenzene*	<0.050	0.050	06/21/2023	ND	2.16	108	2.00	4.70	
Total Xylenes*	<0.150	0.150	06/21/2023	ND	6.48	108	6.00	5.04	
Total BTEX	<0.300	0.300	06/21/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 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	3320	16.0	06/21/2023	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	06/21/2023	ND	226	113	200	7.71	
DRO >C10-C28*	<10.0	10.0	06/21/2023	ND	223	111	200	12.3	
EXT DRO >C28-C36	<10.0	10.0	06/21/2023	ND					
Surrogate: 1-Chlorooctane	110	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	104	% 49.1-14	8						

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Analytical Results For:

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

Received: 06/19/2023 Sampling Date: 06/16/2023

Reported: 06/23/2023 Sampling Type: Soil

Project Name: ROJO 10H - 13H, 34H - 37H Sampling Condition: Cool & Intact
Project Number: 03C2012038 (32.108028-103.553151) Sample Received By: Tamara Oldaker

Analyzed By: MS

Project Location: BTA - LEA CO

mg/kg

Sample ID: BH 03 E 6' (H233151-06)

BTEX 8021B

	9/	9	7	,					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/21/2023	ND	2.38	119	2.00	5.79	
Toluene*	<0.050	0.050	06/21/2023	ND	2.16	108	2.00	4.22	
Ethylbenzene*	<0.050	0.050	06/21/2023	ND	2.16	108	2.00	4.70	
Total Xylenes*	<0.150	0.150	06/21/2023	ND	6.48	108	6.00	5.04	
Total BTEX	<0.300	0.300	06/21/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.4	% 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	06/21/2023	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	06/21/2023	ND	226	113	200	7.71	
DRO >C10-C28*	<10.0	10.0	06/21/2023	ND	223	111	200	12.3	
EXT DRO >C28-C36	<10.0	10.0	06/21/2023	ND					
Surrogate: 1-Chlorooctane	66.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	64.5	% 49.1-14	8						

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Analytical Results For:

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

Received: 06/19/2023 Sampling Date: 06/15/2023

Reported: 06/23/2023 Sampling Type: Soil

Project Name: ROJO 10H - 13H, 34H - 37H Sampling Condition: Cool & Intact Project Number: Sample Received By: 03C2012038 (32.108028-103.553151) Tamara Oldaker

Project Location: BTA - LEA CO

Sample ID: BH 04 1' (H233151-07)

BTEX 8021B	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/21/2023	ND	2.38	119	2.00	5.79	
Toluene*	<0.050	0.050	06/21/2023	ND	2.16	108	2.00	4.22	
Ethylbenzene*	<0.050	0.050	06/21/2023	ND	2.16	108	2.00	4.70	
Total Xylenes*	<0.150	0.150	06/21/2023	ND	6.48	108	6.00	5.04	
Total BTEX	<0.300	0.300	06/21/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	100 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	1360	16.0	06/21/2023	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	06/21/2023	ND	226	113	200	7.71	
DRO >C10-C28*	<10.0	10.0	06/21/2023	ND	223	111	200	12.3	
EXT DRO >C28-C36	<10.0	10.0	06/21/2023	ND					
Surrogate: 1-Chlorooctane	99.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	96.1	% 49.1-14	8						

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Analytical Results For:

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

Received: 06/19/2023 Sampling Date: 06/16/2023

Reported: 06/23/2023 Sampling Type: Soil

Project Name: ROJO 10H - 13H, 34H - 37H Sampling Condition: Cool & Intact
Project Number: 03C2012038 (32.108028-103.553151) Sample Received By: Tamara Oldaker

Analyzed By: MS

Project Location: BTA - LEA CO

mg/kg

Sample ID: BH 04 E 6' (H233151-08)

BTEX 8021B

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/21/2023	ND	2.38	119	2.00	5.79	
Toluene*	<0.050	0.050	06/21/2023	ND	2.16	108	2.00	4.22	
Ethylbenzene*	<0.050	0.050	06/21/2023	ND	2.16	108	2.00	4.70	
Total Xylenes*	<0.150	0.150	06/21/2023	ND	6.48	108	6.00	5.04	
Total BTEX	<0.300	0.300	06/21/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.5	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	06/21/2023	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	06/21/2023	ND	226	113	200	7.71	
DRO >C10-C28*	<10.0	10.0	06/21/2023	ND	223	111	200	12.3	
EXT DRO >C28-C36	<10.0	10.0	06/21/2023	ND					
Surrogate: 1-Chlorooctane	90.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	84.2	% 49.1-14	8						

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Analytical Results For:

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

Received: 06/19/2023 Sampling Date: 06/15/2023

Reported: 06/23/2023 Sampling Type: Soil

Project Name: ROJO 10H - 13H, 34H - 37H Sampling Condition: Cool & Intact
Project Number: 03C2012038 (32.108028-103.553151) Sample Received By: Tamara Oldaker

Applyzod By: MC

Project Location: BTA - LEA CO

ma/ka

Sample ID: BH 05 1' (H233151-09)

RTFY 8021R

B1EX 8021B	mg/	кg	Anaiyze	а ву: мѕ					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/21/2023	ND	2.38	119	2.00	5.79	
Toluene*	<0.050	0.050	06/21/2023	ND	2.16	108	2.00	4.22	
Ethylbenzene*	<0.050	0.050	06/21/2023	ND	2.16	108	2.00	4.70	
Total Xylenes*	<0.150	0.150	06/21/2023	ND	6.48	108	6.00	5.04	
Total BTEX	<0.300	0.300	06/21/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	06/21/2023	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	06/21/2023	ND	226	113	200	7.71	
DRO >C10-C28*	<10.0	10.0	06/21/2023	ND	223	111	200	12.3	
EXT DRO >C28-C36	<10.0	10.0	06/21/2023	ND					
Surrogate: 1-Chlorooctane	97.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	93.6	% 49.1-14	8						

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Analytical Results For:

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

Received: 06/19/2023 Sampling Date: 06/15/2023

Reported: 06/23/2023 Sampling Type: Soil

Project Name: ROJO 10H - 13H, 34H - 37H Sampling Condition: Cool & Intact Project Number: 03C2012038 (32.108028-103.553151) Sample Received By: Tamara Oldaker

Project Location: BTA - LEA CO

Sample ID: BH 05 D 5' (H233151-10)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/21/2023	ND	2.38	119	2.00	5.79	
Toluene*	< 0.050	0.050	06/21/2023	ND	2.16	108	2.00	4.22	
Ethylbenzene*	< 0.050	0.050	06/21/2023	ND	2.16	108	2.00	4.70	
Total Xylenes*	< 0.150	0.150	06/21/2023	ND	6.48	108	6.00	5.04	
Total BTEX	<0.300	0.300	06/21/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.2 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	336	16.0	06/21/2023	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	06/21/2023	ND	226	113	200	7.71	
DRO >C10-C28*	<10.0	10.0	06/21/2023	ND	223	111	200	12.3	
EXT DRO >C28-C36	<10.0	10.0	06/21/2023	ND					
Surrogate: 1-Chlorooctane	58.2 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	52.7 9	% 49.1-14	8						

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Analytical Results For:

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

Received: 06/19/2023 Sampling Date: 06/15/2023

Reported: 06/23/2023 Sampling Type: Soil

Project Name: ROJO 10H - 13H, 34H - 37H Sampling Condition: Cool & Intact
Project Number: 03C2012038 (32.108028-103.553151) Sample Received By: Tamara Oldaker

Applyzod By: MC

Project Location: BTA - LEA CO

ma/ka

Sample ID: BH 06 1' (H233151-11)

RTFY 8021R

BIEX 8021B	mg	/ kg	Anaiyze	ea By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/21/2023	ND	2.38	119	2.00	5.79	
Toluene*	<0.050	0.050	06/21/2023	ND	2.16	108	2.00	4.22	
Ethylbenzene*	<0.050	0.050	06/21/2023	ND	2.16	108	2.00	4.70	
Total Xylenes*	<0.150	0.150	06/21/2023	ND	6.48	108	6.00	5.04	
Total BTEX	<0.300	0.300	06/21/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	592	16.0	06/21/2023	ND	416	104	400	0.00	
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	06/21/2023	ND	226	113	200	7.71	
DRO >C10-C28*	<10.0	10.0	06/21/2023	ND	223	111	200	12.3	
EXT DRO >C28-C36	<10.0	10.0	06/21/2023	ND					
Surrogate: 1-Chlorooctane	115	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	110	% 49.1-14	8						

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Celey D. Keene



Analytical Results For:

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

Received: 06/19/2023 Sampling Date: 06/16/2023

Reported: 06/23/2023 Sampling Type: Soil

Project Name: ROJO 10H - 13H, 34H - 37H Sampling Condition: Cool & Intact Sample Received By: Project Number: 03C2012038 (32.108028-103.553151) Tamara Oldaker

Project Location: BTA - LEA CO

Sample ID: BH 06 D 5' (H233151-12)

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/21/2023	ND	2.38	119	2.00	5.79	
Toluene*	<0.050	0.050	06/21/2023	ND	2.16	108	2.00	4.22	
Ethylbenzene*	<0.050	0.050	06/21/2023	ND	2.16	108	2.00	4.70	
Total Xylenes*	<0.150	0.150	06/21/2023	ND	6.48	108	6.00	5.04	
Total BTEX	<0.300	0.300	06/21/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.7	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	06/21/2023	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	06/22/2023	ND	226	113	200	7.71	
DRO >C10-C28*	<10.0	10.0	06/22/2023	ND	223	111	200	12.3	
EXT DRO >C28-C36	<10.0	10.0	06/22/2023	ND					
Surrogate: 1-Chlorooctane	78.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	85.0	% 49.1-14	8						

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Celey D. Keene



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

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Celey D. Keine

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

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Project Manager:	" Hadic Green	CEN				9	P.O. #									-								7
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city: Carlsbad		State: NM	Zip	~	CD2 88 :diz	A	Attn:	X	Kelton Beair &	37									-					
Phone #: 453	Phone #: 4537-557-8895	Fax #:				A	ddres	s:	Address: 104 & Pacas St	Cas 54			100			-			-					
Project #: 63 (20) 2038	CZ012038	Project Owner:		BTA	A 07	C	city: Midland	P.	land				H											
Project Name:	Project Name: Rojo 10H - 13H, 34H - 37H	H-22-Hh				S	State: TY	7	Zip:	79701												-		
Project Location:	\$2.108028	52.168028,-163.553151				70	Phone #:									-			-		1			
Sampler Name:	-					TI	Fax #:								Ţ	_								
FOR LAB USE ONLY	C				MATRIX		PRESERV	SER		SAMPLING						-					T	1		
Lab I.D.	Sample I.D.	Depth (feet)	G)RAB OR (C)OMP.	CONTAINERS	SROUNDWATER VASTEWATER SOIL DIL SLUDGE	THER:	CID/BASE:	OE / COOL OTHER :	DATE	TIME	BTEX	TPH	CI-		The rate									
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analyses. All claims including those for ney service. In no event shall Cardinal be flable uffinites or successors arising out of or relati Relinquished By:	alones. All claims including those for negligence and any other cause whotboever shall be detended valued unless made in willing and received by Cardinal within 30 days after countries. In no event shall Cardinal with the fact his objective and any other cause whotboever shall be deemed without firmholds, business interruptions, loss of use, or loss of profits incurred by direct filters or successors artifully out of or related to the performance of services intereunder by Cardinal, longsidenses of whether such claims is based upon any of the above shalled teasoot lefting units hed By: Date:	ner cause whotsoever shall be neequental damages, include nee of services hereunder by the Date:	without ardinal	firmits fregan	shall be deemed waiwed unless made in willing and received by Cardinal within including without firminism, business interruptions, loss of use, or loss of profits older by Cardinal, regardless of lyather such claim is based upon any of the above 12 Received By:	nd rece	fuse, or b	d by Cardmai v e, or bas of pr upon any of th	within 30 days after profits incurred by cline above stated rea	ys after completion of the applicable of by client, its subsidiaries, led treasons or otherwise. Verbal Result:	applical	□ Yes		ON	Add'l Phone #:	1 Ph	one	75			700	1 20		
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Relinquished By:		Date: Time:	Re	E S	Received By:		1		1	REMARKS	(111	4-1-1					-		
Delivered By: (Circle One) Sampler - UPS - Bus - Other:		Observed Temp. °C		0 20	Sample Condition Cool Intact Yes 2 Yes	es \sion	0 0	E H	CHECKED BY: (Initials)	Turnaround Time: Thermometer ID #113	Time		Standard Rush	ard		IL S B	ol l	Bacteria (only Cool Intact	nly)	Ob	Bacteria (only) Sample Condition Cool Intact Observed Temp. °C	ond ed Te	mp.	co
odilipiei - oro -		corrected temp.	1.0	0	100	00	0	4	(THOUSAND THE PARTY OF THE PARTY	-	2000			_	7			-)				

Relinquished By:

Received By

ngreen@ensolum.com

Verbal Result: ☐ Yes ☐ No Add'I Phone #:
All Results are emailed. Please provide Email address:

Mon

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

Corrected Temp. °C Observed Temp. °C Time:

Cool Intact
A Yes A Yes Sample Condition

> CHECKED BY: (Initials)

Turnaround Time: Thermometer ID #113

Standard Rush

Bacteria (only) Sample Condition
Cool Intact Observed Temp.

Yes Yes
No Corrected Temp.

Observed Temp. °C Corrected Temp. °C

Relinquished By

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

aboratories

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

Company Nam	Company Name: Ensolum, LLC					- 1				Silba	16			8	BILL TO					AN	ANALYSIS	S	S	Z	ပ္ပါ		REQUEST	7	- 1	- 1			
Project Manage	Project Manager: Hablic Green									न	P.O. #:	*		- 1					4	\dashv	\dashv		\dashv		\dashv	- [\dashv	- 1	\dashv	\dashv		\neg	_
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city: Carlsbud	bud	State: NM Zip: 88226	Zip:	8	8	22	0			Α	Ħ	**	X	5	Attn: Kelpin Beaute	7					_				_								
Phone #: 43	Phone #: 432-557-8895									A	dd	saı	S	=	Address: 104 5 Peus St	45 54			_	_	_				_		_						
Project #: 03	Project #: 03026 7038	Project Owner:	a							C	₹		3	2	city: Midland				_	_	_								_	_			
Project Name:	Project Name: Roja 1841-134, 34 H-37H	H1E-H15								S	tati		12		State: 1/x Zip: 79701	701									_				_	_			
Project Locatio	m 3210802	5, -103, 55	15	-						ס	ю	Phone #:	#														_			_			
Sampler Name:	Ronni Huyes	,								TI	Fax #	*								_										_			
FOR LAB USE ONLY	C					_	MATRIX	2		1	T	R	PRESERV	~	SAMPLING	LING					_									_			
Lab I.D.	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:		ICE / COOL	OTHER:	DATE	TIME	BTEX	TPH	CI-														
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March 11, 2024

HADLIE GREEN

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: ROJO 10 -13/14 - 37

Enclosed are the results of analyses for samples received by the laboratory on 03/06/24 12:34.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/ga/lab accred certif.html.

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

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

Accreditation applies to public drinking water matrices.

Celey D. Keene

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

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

Received: 03/06/2024 Reported: 03/11/2024

Project Name: ROJO 10 -13/14 - 37
Project Number: 03C2012038

Project Location: BTA - LEA CO NM

Sampling Date: 03/05/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Dionica Hinojos

Sample ID: BH 07 0.5' (H241118-01)

DTEV 0021D

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	03/08/2024	ND	1.94	97.1	2.00	0.577	
Toluene*	<0.050	0.050	03/08/2024	ND	2.04	102	2.00	0.864	
Ethylbenzene*	<0.050	0.050	03/08/2024	ND	2.00	100	2.00	0.918	
Total Xylenes*	<0.150	0.150	03/08/2024	ND	6.08	101	6.00	0.818	
Total BTEX	<0.300	0.300	03/08/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	113	% 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	64.0	16.0	03/08/2024	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/07/2024	ND	194	96.8	200	2.22	
DRO >C10-C28*	<10.0	10.0	03/07/2024	ND	187	93.6	200	2.86	
EXT DRO >C28-C36	<10.0	10.0	03/07/2024	ND					
Surrogate: 1-Chlorooctane	83.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	75.1	% 49.1-14	8						

Applyand By 14

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Analytical Results For:

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

Received: 03/06/2024 Reported: 03/11/2024

Project Name: ROJO 10 -13/14 - 37 Project Number: 03C2012038

Project Location: BTA - LEA CO NM Sampling Date: 03/05/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Dionica Hinojos

Sample ID: BH 07 1' (H241118-02)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/08/2024	ND	1.94	97.1	2.00	0.577	
Toluene*	<0.050	0.050	03/08/2024	ND	2.04	102	2.00	0.864	
Ethylbenzene*	<0.050	0.050	03/08/2024	ND	2.00	100	2.00	0.918	
Total Xylenes*	<0.150	0.150	03/08/2024	ND	6.08	101	6.00	0.818	
Total BTEX	<0.300	0.300	03/08/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	113 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	03/08/2024	ND	416	104	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/07/2024	ND	194	96.8	200	2.22	
DRO >C10-C28*	<10.0	10.0	03/07/2024	ND	187	93.6	200	2.86	
EXT DRO >C28-C36	<10.0	10.0	03/07/2024	ND					
Surrogate: 1-Chlorooctane	90.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	81.9	% 49.1-14	8						

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Celey D. Keine



03/05/2024

Dionica Hinojos

Sampling Date:

Sample Received By:

Analytical Results For:

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

Received: 03/06/2024

03C2012038

Reported: 03/11/2024 Sampling Type: Soil Project Name: ROJO 10 -13/14 - 37 Sampling Condition: Cool & Intact Project Number:

Project Location: BTA - LEA CO NM

Sample ID: BH 08 0.5' (H241118-03)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/08/2024	ND	1.94	97.1	2.00	0.577	
Toluene*	<0.050	0.050	03/08/2024	ND	2.04	102	2.00	0.864	
Ethylbenzene*	<0.050	0.050	03/08/2024	ND	2.00	100	2.00	0.918	
Total Xylenes*	<0.150	0.150	03/08/2024	ND	6.08	101	6.00	0.818	
Total BTEX	<0.300	0.300	03/08/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 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	736	16.0	03/08/2024	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/07/2024	ND	194	96.8	200	2.22	
DRO >C10-C28*	<10.0	10.0	03/07/2024	ND	187	93.6	200	2.86	
EXT DRO >C28-C36	<10.0	10.0	03/07/2024	ND					
Surrogate: 1-Chlorooctane	83.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	72.8	% 49.1-14	8						

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Celey D. Keene



Analytical Results For:

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

Received: 03/06/2024 Sampling Date: 03/05/2024

Reported: 03/11/2024 Sampling Type: Soil

Project Name: ROJO 10 -13/14 - 37 Sampling Condition: Cool & Intact
Project Number: 03C2012038 Sample Received By: Dionica Hinojos

Applyzod By: 14

Project Location: BTA - LEA CO NM

Sample ID: BH 09 0.5' (H241118-04)

RTFY 8021R

BIEX 8021B	mg	/ kg	Anaiyze	а ву: ЈН					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/08/2024	ND	1.94	97.1	2.00	0.577	
Toluene*	<0.050	0.050	03/08/2024	ND	2.04	102	2.00	0.864	
Ethylbenzene*	<0.050	0.050	03/08/2024	ND	2.00	100	2.00	0.918	
Total Xylenes*	<0.150	0.150	03/08/2024	ND	6.08	101	6.00	0.818	
Total BTEX	<0.300	0.300	03/08/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	111	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	928	16.0	03/08/2024	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/07/2024	ND	194	96.8	200	2.22	
DRO >C10-C28*	<10.0	10.0	03/07/2024	ND	187	93.6	200	2.86	
EXT DRO >C28-C36	<10.0	10.0	03/07/2024	ND					
Surrogate: 1-Chlorooctane	69.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	66.3	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene



Notes and Definitions

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

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

*** Insufficient time to reach temperature.

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

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

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Ensolum, LLC		BILL TO	AMAI VOIO DEOLI	
Project Manager: Hadlie Green		P.O.#	ANALTSIS REQUEST	EST
Address: 601 N. Marienfeld St. STE 400	STE 400	ny: BTA OIL		
to	9: TX Zip: 79701 USKEN	1	2020 AST -	
Prione #: 214-733-3165	Email: Manage @ensolum.com	Address:		
Project #: 030 2012038	Project Owner:	City:		
Project Name: Rojo 10-13/14-37		State: Zip:		
Project Location: Lea County		No.		
Sampler Name: 5/1/mod	N .	Empil		
ORLANDEONLY		Lineit.	9	
	AP. MATRIX	PRESERV. SAMPLING	Ac.	
Lab I.D. Sample I.D.	Sample Depth (C)ON		X Y	
	AB OF	R: BASE COOL R;	Plalo	
811118	# CO!	DATE	TIME BY	
LOHS 11	- F	A	4	
2 BH 07	0	101-10 E	100 C 1 C	
3 JH08	200	T	77 C & A	
4 BHBG		4/2/2/	306 7 7 8	
A A		101	7 7 7	
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1 3				111
claims, including those for negligence and any other cau- to event shall Cardinal be liable for incidental or compay, sites or successors arising out of or related to the	All claims including those for registionize and any other cases we reveny to many attentioning the standard necessary only only the desired to the amount public by the desired to the analyses. This is even the self-Cardinal de labels of incidental or consequential diseasper, including without includes, business made in the register and reserved by Cardinal within 30 delays after completion of the applicable service. Billiates or successory analyzed out of or consequential diseasper, including without includes, business externations, business externations, to do not profess including the including the successory and the completion of the applicable service.	ount paid by the dient for the amalyses. Thin 30 days after completion of the applicable service offs incurred by client its submiddenes.	8	
Relinquished By:	Date: Received By:	ě		
1 KIN	1	All R	Verbal Result: Yes D. No Add'l Phone #: All Results are emailed. Please provide Email address:	
Relinguished By:	4:54	klow	klowery@anablem.com	hand gonsol
	Receiv	REM	REMARKS: Paykey/AFE/NonAFE:	-
Delivered By: (Circle One)		5	Incident Number: napp2313055442	
Sampler - UPS - Bus - Other:	Corrected Temp. 'C S. Cool Intact	CHECKED BY: Turner (Initials)	lunaround Time: Standard Basteria (only) Sangle Condition traft Cod Intact Observed Teng. *C	
	# CO 0 %	Corre	the state of	
FORM-006 R 3.2 10/07/21	111 111			No No Corrected Temp, "C



May 17, 2024

HADLIE GREEN

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: ROJO 10 -13/14 - 37

Enclosed are the results of analyses for samples received by the laboratory on 05/14/24 13:40.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/ga/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Received: 05/14/2024 Reported: 05/17/2024

Project Name: ROJO 10 -13/14 - 37 Project Number: 03C2012038 Project Location: BTA - LEA CO NM

Sampling Date: 05/10/2024

Sampling Type: Soil

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

Sample ID: SW 04 0-1' (H242621-01)

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	05/15/2024	ND	1.91	95.4	2.00	0.989	
Toluene*	<0.050	0.050	05/15/2024	ND	1.90	95.2	2.00	0.595	
Ethylbenzene*	<0.050	0.050	05/15/2024	ND	1.96	98.0	2.00	0.260	
Total Xylenes*	<0.150	0.150	05/15/2024	ND	5.72	95.3	6.00	0.319	
Total BTEX	<0.300	0.300	05/15/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.5	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	816	16.0	05/15/2024	ND	400	100	400	11.3	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/16/2024	ND	181	90.6	200	2.03	
DRO >C10-C28*	<10.0	10.0	05/16/2024	ND	183	91.7	200	0.657	
EXT DRO >C28-C36	<10.0	10.0	05/16/2024	ND					
Surrogate: 1-Chlorooctane	75.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	55.4	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

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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.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

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

*** Insufficient time to reach temperature.

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

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

Cardinal Laboratories *=Accredited Analyte

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Mile Sough

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST



(575) 393-2326 FA	(575) 393-2326 FAX (575) 393-2476			1
Company Name: Ensolum, LLC		BILL TO	ANALYSIS REQUEST	
Project Manager: Hold I've Green		P.O. #:		
ra .	ite 400	Company: BTA Oil Products W	STA STA	
City: Midland	State: TX Zip: 79701	Attn: Ray Ramos		
Phone #: 432-557-8895	Fax #:	Address:		
Project #: 03C2012038	Project Owner: BTA 01 Roduces	City:		
HE1-	34H37H	State: Zip:		
Project Location: 33. 108028, -103, 55315	03,555151	Phone #:		
Sampler Name: Tracy Hillard		Fax #:		
Sampler Name: Iracy millaru	MATRIX	PRESERV SAMPLING	<u> </u>	
FOR LAB USE ONLY				
Lab I.D. Sample I.D.	(feet) (G)RAB OR (C)OM # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE	OTHER: ACID/BASE: ICE / COOL OTHER:	TPH 8015 BTEX 8021 Chloride 4500	
JOW OH	X	X 5-10-CH	X X X X X X X X X	
			/	
PLEASE NOTE: Liability and Damages. Cardinal's liability and	PLEASE NOTE: Liability and Damages. Cardina's liability and client's exclusive remedy for any claim arising whether based in contract or lord, shall be limited to the amount paid by the client for the	ct or tort, shall be limited to the amount paid by	the client for the	
analyses. All cashs including blood or improposed or service. In no event shall Cardinal be liable for incidental or con	100	s, loss of use, or loss of profits incurred by clien or is based mon any of the above stated reason	its subsidiaries; s or otherwise.	
affiliates or successors arising out of or related to the performan Relinquished By:	Date: Received By:	Received By:	ilt: ☐ Yes ☐ No Add'i Phone #: ire emailed. Please provide Email address:	Harren@ensalum.wm
Mark !	340	Marke	d.	lum.com
Relinguished By:	Date: Received By:		REMARKS:	
	Observed Temp. C Sample Condition Cool Intact Cool Intact Pyes Pyes	CHECKED BY:	Turnaround Time: Standard Bacteria (only) Sample Condition Rush Cool Intact Observed Temp. Thermometer ID #449 #1/40 Yes Yes	ample Condition Observed Temp. °C
Sampler - UPS - Bus - Other:		7	No I No I No I No	Corrected Temp. °C



May 17, 2024

HADLIE GREEN

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: ROJO 10 -13/14 - 37

Enclosed are the results of analyses for samples received by the laboratory on 05/14/24 13:40.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/ga/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Received: 05/14/2024 Reported: 05/17/2024

Project Name: ROJO 10 -13/14 - 37
Project Number: 03C2012038
Project Location: BTA - LEA CO NM

mg/kg

Sampling Date: 05/10/2024

Sampling Type: Soil

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

Sample ID: FS 01 1' (H242623-01)

BTEX 8021B

BIEX GOEED	9/	119	Anaryzo	u 2 y 1 1 1 2					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/15/2024	ND	1.91	95.4	2.00	0.989	
Toluene*	<0.050	0.050	05/15/2024	ND	1.90	95.2	2.00	0.595	
Ethylbenzene*	<0.050	0.050	05/15/2024	ND	1.96	98.0	2.00	0.260	
Total Xylenes*	<0.150	0.150	05/15/2024	ND	5.72	95.3	6.00	0.319	
Total BTEX	<0.300	0.300	05/15/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.1	% 71.5-13	4						
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3480	16.0	05/15/2024	ND	448	112	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/15/2024	ND	194	97.0	200	0.609	
DRO >C10-C28*	<10.0	10.0	05/15/2024	ND	200	100	200	5.50	
EXT DRO >C28-C36	<10.0	10.0	05/15/2024	ND					
Surrogate: 1-Chlorooctane	89.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	86.5	% 49.1-14	8						

Analyzed By: MS

Cardinal Laboratories *=Accredited Analyte

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Me Sough



Analytical Results For:

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

Received: 05/14/2024 Reported: 05/17/2024

Project Name: ROJO 10 -13/14 - 37
Project Number: 03C2012038

ma/ka

Project Location: BTA - LEA CO NM

Sampling Date: 05/10/2024

Sampling Type: Soil

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

Sample ID: FS 02 1' (H242623-02)

RTFY 8021R

B1EX 8021B	mg/	кg	Anaiyze	а ву: мѕ					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/15/2024	ND	1.91	95.4	2.00	0.989	
Toluene*	<0.050	0.050	05/15/2024	ND	1.90	95.2	2.00	0.595	
Ethylbenzene*	<0.050	0.050	05/15/2024	ND	1.96	98.0	2.00	0.260	
Total Xylenes*	<0.150	0.150	05/15/2024	ND	5.72	95.3	6.00	0.319	
Total BTEX	<0.300	0.300	05/15/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	94.4	% 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	1360	16.0	05/15/2024	ND	448	112	400	0.00	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/15/2024	ND	194	97.0	200	0.609	
DRO >C10-C28*	<10.0	10.0	05/15/2024	ND	200	100	200	5.50	
EXT DRO >C28-C36	<10.0	10.0	05/15/2024	ND					
Surrogate: 1-Chlorooctane	83.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	78.4	% 49.1-14	8						

Analyzed By: MC

Cardinal Laboratories *=Accredited Analyte

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Me Sough



Analytical Results For:

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

Received: 05/14/2024 Reported: 05/17/2024

Project Name: ROJO 10 -13/14 - 37
Project Number: 03C2012038

ma/ka

Project Location: BTA - LEA CO NM

Sampling Date: 05/10/2024

Sampling Type: Soil

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

Sample ID: FS 03 1' (H242623-03)

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	05/15/2024	ND	1.89	94.6	2.00	1.33	
Toluene*	<0.050	0.050	05/15/2024	ND	2.08	104	2.00	4.23	
Ethylbenzene*	<0.050	0.050	05/15/2024	ND	2.14	107	2.00	3.22	
Total Xylenes*	<0.150	0.150	05/15/2024	ND	6.48	108	6.00	3.82	
Total BTEX	<0.300	0.300	05/15/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	116	% 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	3440	16.0	05/15/2024	ND	448	112	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/15/2024	ND	194	97.0	200	0.609	
DRO >C10-C28*	<10.0	10.0	05/15/2024	ND	200	100	200	5.50	
EXT DRO >C28-C36	<10.0	10.0	05/15/2024	ND					
Surrogate: 1-Chlorooctane	76.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	73.4	% 49.1-14	8						

Analyzed By: MC

Cardinal Laboratories *=Accredited Analyte

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Mile Sough



Analytical Results For:

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

Received: 05/14/2024 Reported: 05/17/2024

Project Name: ROJO 10 -13/14 - 37
Project Number: 03C2012038

ma/ka

Project Location: BTA - LEA CO NM

Sampling Date: 05/10/2024

Sampling Type: Soil

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

Sample ID: FS 04 1' (H242623-04)

RTFY 8021R

BIEX 8021B	mg	^и кд	Anaiyze	ea By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/15/2024	ND	1.89	94.6	2.00	1.33	
Toluene*	<0.050	0.050	05/15/2024	ND	2.08	104	2.00	4.23	
Ethylbenzene*	<0.050	0.050	05/15/2024	ND	2.14	107	2.00	3.22	
Total Xylenes*	<0.150	0.150	05/15/2024	ND	6.48	108	6.00	3.82	
Total BTEX	<0.300	0.300	05/15/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1490	16.0	05/15/2024	ND	448	112	400	0.00	
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	05/15/2024	ND	179	89.4	200	1.12	
DRO >C10-C28*	<10.0	10.0	05/15/2024	ND	170	85.1	200	0.920	
EXT DRO >C28-C36	<10.0	10.0	05/15/2024	ND					
Surrogate: 1-Chlorooctane	95.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	116	% 49.1-14	8						
surrogate: 1-Chiorooctaaecahe	110	0 49.1-14	O						

Analyzed 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.

Mile Sough



Analytical Results For:

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

Received: 05/14/2024 Reported: 05/17/2024

Project Name: ROJO 10 -13/14 - 37
Project Number: 03C2012038
Project Location: BTA - LEA CO NM

ma/ka

Sampling Date: 05/10/2024

Sampling Type: Soil

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

Sample ID: FS 05 1' (H242623-05)

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	05/15/2024	ND	1.89	94.6	2.00	1.33	
Toluene*	<0.050	0.050	05/15/2024	ND	2.08	104	2.00	4.23	
Ethylbenzene*	<0.050	0.050	05/15/2024	ND	2.14	107	2.00	3.22	
Total Xylenes*	<0.150	0.150	05/15/2024	ND	6.48	108	6.00	3.82	
Total BTEX	<0.300	0.300	05/15/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	109	% 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	1250	16.0	05/15/2024	ND	448	112	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/15/2024	ND	179	89.4	200	1.12	
DRO >C10-C28*	<10.0	10.0	05/15/2024	ND	170	85.1	200	0.920	
EXT DRO >C28-C36	<10.0	10.0	05/15/2024	ND					
Surrogate: 1-Chlorooctane	87.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	110	% 49.1-14	8						

Analyzed By: MC

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Me Sough



Analytical Results For:

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

Received: 05/14/2024 Reported: 05/17/2024

Project Name: ROJO 10 -13/14 - 37 Project Number: 03C2012038

Project Location: BTA - LEA CO NM Sampling Date: 05/10/2024

Sampling Type: Soil

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

Sample ID: FS 06 1' (H242623-06)

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/15/2024	ND	1.89	94.6	2.00	1.33	
Toluene*	<0.050	0.050	05/15/2024	ND	2.08	104	2.00	4.23	
Ethylbenzene*	<0.050	0.050	05/15/2024	ND	2.14	107	2.00	3.22	
Total Xylenes*	<0.150	0.150	05/15/2024	ND	6.48	108	6.00	3.82	
Total BTEX	<0.300	0.300	05/15/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 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	768	16.0	05/15/2024	ND	448	112	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/15/2024	ND	179	89.4	200	1.12	
DRO >C10-C28*	<10.0	10.0	05/15/2024	ND	170	85.1	200	0.920	
EXT DRO >C28-C36	<10.0	10.0	05/15/2024	ND					
Surrogate: 1-Chlorooctane	96.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	116 9	% 49.1-14	8						

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with Sigh



Analytical Results For:

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

Received: 05/14/2024 Reported: 05/17/2024

Project Name: ROJO 10 -13/14 - 37
Project Number: 03C2012038

ma/ka

Project Location: BTA - LEA CO NM

Sampling Date: 05/10/2024

Sampling Type: Soil

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

Sample ID: FS 07 1' (H242623-07)

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	05/15/2024	ND	1.89	94.6	2.00	1.33	
Toluene*	<0.050	0.050	05/15/2024	ND	2.08	104	2.00	4.23	
Ethylbenzene*	<0.050	0.050	05/15/2024	ND	2.14	107	2.00	3.22	
Total Xylenes*	<0.150	0.150	05/15/2024	ND	6.48	108	6.00	3.82	
Total BTEX	<0.300	0.300	05/15/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	992	16.0	05/15/2024	ND	448	112	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/15/2024	ND	179	89.4	200	1.12	
DRO >C10-C28*	<10.0	10.0	05/15/2024	ND	170	85.1	200	0.920	
EXT DRO >C28-C36	<10.0	10.0	05/15/2024	ND					
Surrogate: 1-Chlorooctane	90.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	110	% 49.1-14	8						

Analyzed By: MC

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Analytical Results For:

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

Received: 05/14/2024 Reported: 05/17/2024

Project Name: ROJO 10 -13/14 - 37
Project Number: 03C2012038

Project Location: BTA - LEA CO NM

Sampling Date: 05/10/2024

Sampling Type: Soil

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

Sample ID: FS 08 1' (H242623-08)

BTEX 8021B	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/15/2024	ND	1.89	94.6	2.00	1.33	
Toluene*	<0.050	0.050	05/15/2024	ND	2.08	104	2.00	4.23	
Ethylbenzene*	<0.050	0.050	05/15/2024	ND	2.14	107	2.00	3.22	
Total Xylenes*	<0.150	0.150	05/15/2024	ND	6.48	108	6.00	3.82	
Total BTEX	<0.300	0.300	05/15/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 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	608	16.0	05/15/2024	ND	448	112	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/15/2024	ND	179	89.4	200	1.12	
DRO >C10-C28*	13.0	10.0	05/15/2024	ND	170	85.1	200	0.920	
EXT DRO >C28-C36	<10.0	10.0	05/15/2024	ND					
Surrogate: 1-Chlorooctane	93.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	114	% 49.1-14	8						

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Analytical Results For:

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

Received: 05/14/2024 Reported: 05/17/2024

 Project Name:
 ROJO 10 -13/14 - 37

 Project Number:
 03C2012038

Project Location: BTA - LEA CO NM

ma/ka

Sampling Date: 05/10/2024

Sampling Type: Soil

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

Sample ID: FS 09 1' (H242623-09)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	а ву: м5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/15/2024	ND	1.89	94.6	2.00	1.33	
Toluene*	<0.050	0.050	05/15/2024	ND	2.08	104	2.00	4.23	
Ethylbenzene*	<0.050	0.050	05/15/2024	ND	2.14	107	2.00	3.22	
Total Xylenes*	<0.150	0.150	05/15/2024	ND	6.48	108	6.00	3.82	
Total BTEX	<0.300	0.300	05/15/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 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	432	16.0	05/15/2024	ND	448	112	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/15/2024	ND	179	89.4	200	1.12	
DRO >C10-C28*	<10.0	10.0	05/15/2024	ND	170	85.1	200	0.920	
EXT DRO >C28-C36	<10.0	10.0	05/15/2024	ND					
Surrogate: 1-Chlorooctane	86.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	106	% 49.1-14	8						

Analyzed By: MC

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Analytical Results For:

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

Received: 05/14/2024 Reported: 05/17/2024

Project Name: ROJO 10 -13/14 - 37
Project Number: 03C2012038

ma/ka

Project Location: BTA - LEA CO NM

Sampling Date: 05/10/2024

Sampling Type: Soil

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

Sample ID: FS 10 1' (H242623-10)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	а ву: м5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/15/2024	ND	1.89	94.6	2.00	1.33	
Toluene*	<0.050	0.050	05/15/2024	ND	2.08	104	2.00	4.23	
Ethylbenzene*	<0.050	0.050	05/15/2024	ND	2.14	107	2.00	3.22	
Total Xylenes*	<0.150	0.150	05/15/2024	ND	6.48	108	6.00	3.82	
Total BTEX	<0.300	0.300	05/15/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1220	16.0	05/15/2024	ND	448	112	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/15/2024	ND	179	89.4	200	1.12	
DRO >C10-C28*	41.6	10.0	05/15/2024	ND	170	85.1	200	0.920	
EXT DRO >C28-C36	<10.0	10.0	05/15/2024	ND					
Surrogate: 1-Chlorooctane	82.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	101	% 49.1-14	8						

Analyzed By: MC

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Analytical Results For:

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

Received: 05/14/2024 Reported: 05/17/2024

Project Name: ROJO 10 -13/14 - 37 Project Number: 03C2012038

Project Location: BTA - LEA CO NM Sampling Date: 05/10/2024

Sampling Type: Soil

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

Sample ID: FS 11 1' (H242623-11)

BTEX 8021B	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/15/2024	ND	1.89	94.6	2.00	1.33	
Toluene*	<0.050	0.050	05/15/2024	ND	2.08	104	2.00	4.23	
Ethylbenzene*	<0.050	0.050	05/15/2024	ND	2.14	107	2.00	3.22	
Total Xylenes*	<0.150	0.150	05/15/2024	ND	6.48	108	6.00	3.82	
Total BTEX	<0.300	0.300	05/15/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	108 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	1010	16.0	05/15/2024	ND	448	112	400	0.00	
TPH 8015M	mg/	'kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/15/2024	ND	179	89.4	200	1.12	
DRO >C10-C28*	732	10.0	05/15/2024	ND	170	85.1	200	0.920	
EXT DRO >C28-C36	186	10.0	05/15/2024	ND					
Surrogate: 1-Chlorooctane	79.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	104 9	% 49.1-14	8						

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Analytical Results For:

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

Received: 05/14/2024 Reported: 05/17/2024

Project Name: ROJO 10 -13/14 - 37
Project Number: 03C2012038

ma/ka

Project Location: BTA - LEA CO NM

Sampling Date: 05/10/2024

Sampling Type: Soil

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

Sample ID: FS 12 1' (H242623-12)

RTFY 8021R

B1EX 8021B	тд/кд		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/15/2024	ND	1.89	94.6	2.00	1.33	
Toluene*	<0.050	0.050	05/15/2024	ND	2.08	104	2.00	4.23	
Ethylbenzene*	<0.050	0.050	05/15/2024	ND	2.14	107	2.00	3.22	
Total Xylenes*	<0.150	0.150	05/15/2024	ND	6.48	108	6.00	3.82	
Total BTEX	<0.300	0.300	05/15/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	352	16.0	05/15/2024	ND	448	112	400	0.00	
TPH 8015M	mg	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/15/2024	ND	179	89.4	200	1.12	
DRO >C10-C28*	322	10.0	05/15/2024	ND	170	85.1	200	0.920	
EXT DRO >C28-C36	70.5	10.0	05/15/2024	ND					
Surrogate: 1-Chlorooctane	78.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	97.7	% 49.1-14	8						

Analyzed By: MC

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Analytical Results For:

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

Received: 05/14/2024 Reported: 05/17/2024

Project Name: ROJO 10 -13/14 - 37
Project Number: 03C2012038

Project Location: BTA - LEA CO NM

Sampling Date: 05/10/2024

Sampling Type: Soil

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

Sample ID: FS 13 1' (H242623-13)

BTEX 8021B	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/15/2024	ND	1.89	94.6	2.00	1.33	
Toluene*	<0.050	0.050	05/15/2024	ND	2.08	104	2.00	4.23	
Ethylbenzene*	<0.050	0.050	05/15/2024	ND	2.14	107	2.00	3.22	
Total Xylenes*	<0.150	0.150	05/15/2024	ND	6.48	108	6.00	3.82	
Total BTEX	<0.300	0.300	05/15/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	784	16.0	05/15/2024	ND	448	112	400	0.00	
TPH 8015M	mg/	'kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/15/2024	ND	179	89.4	200	1.12	
DRO >C10-C28*	184	10.0	05/15/2024	ND	170	85.1	200	0.920	
EXT DRO >C28-C36	103	10.0	05/15/2024	ND					
Surrogate: 1-Chlorooctane	97.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	129 9	% 49.1-14	8						

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Analytical Results For:

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

Received: 05/14/2024 Reported: 05/17/2024

Project Name: ROJO 10 -13/14 - 37 Project Number: 03C2012038

Project Location: BTA - LEA CO NM Sampling Date: 05/10/2024

Sampling Type: Soil

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

Sample ID: FS 14 1' (H242623-14)

BTEX 8021B	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/15/2024	ND	1.89	94.6	2.00	1.33	
Toluene*	<0.050	0.050	05/15/2024	ND	2.08	104	2.00	4.23	
Ethylbenzene*	<0.050	0.050	05/15/2024	ND	2.14	107	2.00	3.22	
Total Xylenes*	0.287	0.150	05/15/2024	ND	6.48	108	6.00	3.82	GC-NC1
Total BTEX	0.323	0.300	05/15/2024	ND					GC-NC1
Surrogate: 4-Bromofluorobenzene (PID	113 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	1630	16.0	05/15/2024	ND	448	112	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*	13.8	10.0	05/15/2024	ND	179	89.4	200	1.12	
DRO >C10-C28*	1320	10.0	05/15/2024	ND	170	85.1	200	0.920	
EXT DRO >C28-C36	418	10.0	05/15/2024	ND					
Surrogate: 1-Chlorooctane	97.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	131 9	% 49.1-14	8						

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Analytical Results For:

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

Received: 05/14/2024 Reported: 05/17/2024

Project Name: ROJO 10 -13/14 - 37 Project Number: 03C2012038

Project Location: BTA - LEA CO NM Sampling Date: 05/10/2024

Sampling Type: Soil

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

Sample ID: FS 15 1' (H242623-15)

BTEX 8021B	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/15/2024	ND	1.89	94.6	2.00	1.33	
Toluene*	<0.050	0.050	05/15/2024	ND	2.08	104	2.00	4.23	
Ethylbenzene*	<0.050	0.050	05/15/2024	ND	2.14	107	2.00	3.22	
Total Xylenes*	<0.150	0.150	05/15/2024	ND	6.48	108	6.00	3.82	
Total BTEX	<0.300	0.300	05/15/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 5	% 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	384	16.0	05/15/2024	ND	448	112	400	0.00	
TPH 8015M	mg/	kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/15/2024	ND	179	89.4	200	1.12	
DRO >C10-C28*	190	10.0	05/15/2024	ND	170	85.1	200	0.920	
EXT DRO >C28-C36	127	10.0	05/15/2024	ND					
Surrogate: 1-Chlorooctane	66.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	84.5	% 49.1-14	8						

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Analytical Results For:

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

Received: 05/14/2024 Reported: 05/17/2024

 Project Name:
 ROJO 10 -13/14 - 37

 Project Number:
 03C2012038

ma/ka

Project Location: BTA - LEA CO NM

Sampling Date: 05/10/2024

Sampling Type: Soil

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

Sample ID: FS 16 1' (H242623-16)

RTFY 8021R

BIEX 8021B	тд/кд		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/15/2024	ND	1.89	94.6	2.00	1.33	
Toluene*	<0.050	0.050	05/15/2024	ND	2.08	104	2.00	4.23	
Ethylbenzene*	<0.050	0.050	05/15/2024	ND	2.14	107	2.00	3.22	
Total Xylenes*	<0.150	0.150	05/15/2024	ND	6.48	108	6.00	3.82	
Total BTEX	<0.300	0.300	05/15/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	800	16.0	05/15/2024	ND	448	112	400	0.00	
TPH 8015M	mg,	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/15/2024	ND	179	89.4	200	1.12	
DRO >C10-C28*	<10.0	10.0	05/15/2024	ND	170	85.1	200	0.920	
EXT DRO >C28-C36	<10.0	10.0	05/15/2024	ND					
Surrogate: 1-Chlorooctane	85.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	105	% 49.1-14	8						

Analyzed By: MC

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Analytical Results For:

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

Received: 05/14/2024 Reported: 05/17/2024

Project Name: ROJO 10 -13/14 - 37 Project Number: 03C2012038

Project Location: BTA - LEA CO NM Sampling Date: 05/10/2024

Sampling Type: Soil

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

Sample ID: FS 17 1' (H242623-17)

BTEX 8021B	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/15/2024	ND	1.89	94.6	2.00	1.33	
Toluene*	<0.050	0.050	05/15/2024	ND	2.08	104	2.00	4.23	
Ethylbenzene*	<0.050	0.050	05/15/2024	ND	2.14	107	2.00	3.22	
Total Xylenes*	<0.150	0.150	05/15/2024	ND	6.48	108	6.00	3.82	
Total BTEX	<0.300	0.300	05/15/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 5	% 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	240	16.0	05/15/2024	ND	448	112	400	0.00	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/15/2024	ND	179	89.4	200	1.12	
DRO >C10-C28*	38.0	10.0	05/15/2024	ND	170	85.1	200	0.920	
EXT DRO >C28-C36	<10.0	10.0	05/15/2024	ND					
Surrogate: 1-Chlorooctane	69.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	86.1	% 49.1-14	8						

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Analytical Results For:

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

Received: 05/14/2024 Reported: 05/17/2024

Project Name: ROJO 10 -13/14 - 37
Project Number: 03C2012038

Project Location: BTA - LEA CO NM

Sampling Date: 05/10/2024

Sampling Type: Soil

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

Sample ID: SW 01 0-1' (H242623-18)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	а ву: м5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/15/2024	ND	1.89	94.6	2.00	1.33	
Toluene*	<0.050	0.050	05/15/2024	ND	2.08	104	2.00	4.23	
Ethylbenzene*	<0.050	0.050	05/15/2024	ND	2.14	107	2.00	3.22	
Total Xylenes*	<0.150	0.150	05/15/2024	ND	6.48	108	6.00	3.82	
Total BTEX	<0.300	0.300	05/15/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1090	16.0	05/15/2024	ND	448	112	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/15/2024	ND	179	89.4	200	1.12	
DRO >C10-C28*	<10.0	10.0	05/15/2024	ND	170	85.1	200	0.920	
EXT DRO >C28-C36	<10.0	10.0	05/15/2024	ND					
Surrogate: 1-Chlorooctane	67.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	80.1	% 49.1-14	8						

Analyzed By: MC

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Analytical Results For:

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

Received: 05/14/2024 Reported: 05/17/2024

Project Name: ROJO 10 -13/14 - 37
Project Number: 03C2012038

Project Location: BTA - LEA CO NM

Sampling Date: 05/10/2024

Sampling Type: Soil

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

Sample ID: SW 02 0-1' (H242623-19)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	а ву: м5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/15/2024	ND	1.89	94.6	2.00	1.33	
Toluene*	<0.050	0.050	05/15/2024	ND	2.08	104	2.00	4.23	
Ethylbenzene*	<0.050	0.050	05/15/2024	ND	2.14	107	2.00	3.22	
Total Xylenes*	<0.150	0.150	05/15/2024	ND	6.48	108	6.00	3.82	
Total BTEX	<0.300	0.300	05/15/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1090	16.0	05/15/2024	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/15/2024	ND	179	89.4	200	1.12	
DRO >C10-C28*	<10.0	10.0	05/15/2024	ND	170	85.1	200	0.920	
EXT DRO >C28-C36	<10.0	10.0	05/15/2024	ND					
Surrogate: 1-Chlorooctane	87.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	105	% 49.1-14	8						

Analyzed By: MC

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Analytical Results For:

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

Received: 05/14/2024 Reported: 05/17/2024

Project Name: ROJO 10 -13/14 - 37
Project Number: 03C2012038

Project Location: BTA - LEA CO NM

Sampling Date: 05/10/2024

Sampling Type: Soil

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

Sample ID: SW 03 0-1' (H242623-20)

BTEX 8021B	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/15/2024	ND	1.89	94.6	2.00	1.33	
Toluene*	<0.050	0.050	05/15/2024	ND	2.08	104	2.00	4.23	
Ethylbenzene*	<0.050	0.050	05/15/2024	ND	2.14	107	2.00	3.22	
Total Xylenes*	<0.150	0.150	05/15/2024	ND	6.48	108	6.00	3.82	
Total BTEX	<0.300	0.300	05/15/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500CI-B	mg	/kg	Analyze	ed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	816	16.0	05/15/2024	ND	432	108	400	0.00	
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	05/15/2024	ND	179	89.4	200	1.12	
DRO >C10-C28*	77.6	10.0	05/15/2024	ND	170	85.1	200	0.920	
EXT DRO >C28-C36	31.3	10.0	05/15/2024	ND					
Surrogate: 1-Chlorooctane	71.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	86.6	% 49.1-14	8						

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Notes and Definitions

GC-NC1 8260 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are biased high with

interfering compounds.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

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

*** Insufficient time to reach temperature.

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

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

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

CARDINAL Laboratories 101 East Marland, Hobbs, NM 882

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

Company Name: Ensolum, LLC	: Ensolum, LLC			DII 1	•				
Project Manager:	Hadrie	Green		P.O. #:		+	1	ANALYSIS	'SIS REQUEST
Address: 601 N I	Address: 601 N Marienfeld Street, Suite 400	Suite 400		Company: BTADD 0	0				
City: Midland		State: TX	Zip: 79701	Attn: Ray Camps	TO SOUND	3			
Phone #: 432	Phone #: 432.551.8895	Fax #:	2	4		_			
Project #: 03C70 Z038	8502102	Project Owner: 6TA	1: 6TA 0:1	City:					
Project Name: Projo	Noto lott-13H	-	_	State: Zip:					
Project Location: 32.	32.108028,-	103,553	51	#		-			
Sampler Name: Tracy Hillard	racy Hillard			Fax #:		-			
FOR LAB USE ONLY			MATRIX	PRESERV.	SAMPLING				
Lab I.D.	Sample I.D.	Depth (feet)	OR (C)OMP AINERS DWATER WATER	SE:	Me		e 4500		
1242628		2	# CON GROU	SLUDG OTHER ACID/B/ ICE / CC OTHER	TIME	TPH 8	Chloric		
_	7501	1:	- ×	X	0	<u>ベ</u>	×	+	
12	1808			1 190	905-085-1		-		
0:	1203				0900	_			
74	1004				Ollo				
0	5000				2190				
1-e	AOC +				0320				
0	TOU!				5260		_		
00	DOCT				0930				
10	TSAC	2	<i>e</i>		0935				
EASE NOTE: Liability and D.	lamages. Cardinal's liability and o	dent's exclusive remedy for an	y claim arising whether based in conf	PLEASE NOTE: Liability and Damages, Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or bot, shall be limited to the amount and by the client's exclusive remedy for any claim arising whether based in contract or bot, shall be limited to the amount and by the client's exclusive remedy for any claim arising whether based in contract or bot, shall be limited to the amount and by the client's exclusive remedy for any claim arising whether based in contract or bot, shall be limited to the amount and by the client's exclusive remedy for any claim arising whether based in contract or bot, shall be limited to the amount and by the client's exclusive remedy for any claim arising whether based in contract or bot, shall be limited to the amount and by the client's exclusive remedy for any claim arising whether based in contract or bot, shall be limited to the amount and by the client's exclusive remedy for any claim arising whether based in contract or bot, shall be limited to the amount and by the client's exclusive remedy for any claim arising whether based in contract or bot, shall be limited to the amount and by the client's exclusive remedy for any claim arising whether based in contract or bot, shall be limited to the amount and by the client's exclusive remedy for any claim.	aid by the client for the	*	€	-	
vice. In no event shall Cardin lates or successors arising or	shall Cardinal be liable for incidental or consons arising out of or related to the performance.	ner cause whatsoever shall be di risequental damages, including i nice of services hereunder by Ca	eemed waived unless made in writing without limitation, business interruption irdinal, regardless of whether such cl	service. In no event shall Cardinal be liable for inapplence and any other cause whatscover shall be deemed waked 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 indendated or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, including without limitation, business extend clients except the control of the above services because the control of the above services the cont	fler completion of the appl y client, its subsidiaries,	icable			
Trainiquisited by:	N	S-1424	Received By:	11000	Verbal Result:	□ Yes	S No	Add'l Phone #:	ne#:
Relingerished By:	2 Mille	Time 340	Touron	C Male & M	BBelill@ensolum.cc	um.com,	TMorrissey	BBeilil@ensolum.com, TMorrissey@ensolum.com, THilla	ייפינ. rrease provide Email address: סייה, TMorrissey@ensolum.com, THillard@ensolum.com , אולין ייציא לא בני
) Marie Constitution Constituti		Date: Time:	Received By:		REMARKS:				
Delivered By: (Circle One)		Observed Temp. °C		9	Turnaround Time:	ne:	Standard	Þ	Bacteria (only) Sample Condition
Sampler - UPS - Bus - Other:		Corrected Tamp. *C	No No	No (minuals)	Thermometer ID #449- #	-	The to	_	Cool Intact Observed Temp. °C ☐ Yes ☐ Yes
	F IOIOIIZI	+ Cardinal cannot acc	ent workel el			0.00	12.01	1/07	No No Corrected Temp. °C

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST



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

	(0.0) 000 2020	1 70 (010) 000-20	70						
Company Name	Company Name: Ensolum, LLC			BILL TO				ANALYSIS REQUEST	
Project Manager:	" Hadlic Green	8		P.O. #:		\dashv		- 1	
Address: 601 N	Address: 601 N Marienfeld Street, Suite 400	Suite 400		Company: BTA Oil Producer UK	Marier Fr	_			
City: Midland		State: TX	Zip: 79701	Attn: Ray Ramos	5	_			
Phone #: 439	Phone #: 432-557-8895	Fax #:				_		_	
Project #: 0	13C2012 038	OV.	Project Owner: BTA Oi) Products	City:					
Project Name: 1	Rojo 104-13H	10H-13H, 34H-37H		State: Zip:				_	
Project Location:	32,108028	-103,553151		Phone #:		_			
Sampler Name: Tracy Hillard				Fax #:					
FOR LAB USE ONLY			MATRIX	ESERV.	SAMPLING				
Lab I.D.	Sample I.D.	Depth (feet)	CONTAINERS COUNDWATER ASTEWATER DIL L UDGE	HER:		TEX 8021	hloride 4500		
11	F511			× '	2 SH50 A	$\frac{1}{x}$	×		-
12	7512	_			0950		_		
13	F513	-			1000				
167	HIC+				010				
10	ガケン								
17	E217	_			030				
8)	SWOI	0-1			100				
61	5W02	0-1			1110				
20	SW03	0-1	4		1120	4	E		
analyses. All claims including those service. In no event shall Cardinal t affiliates or successors arising out o	uability and Damages. Cardinat's liability and s including those for negligence and any of it shall Cardinal be liable for incidental or co	I client's exclusive remedy for an her cause whatsoever shall be di insequental damages, including on tace of services hereunder by Ca	TLEASE NUTIE: Lability and Diamages. Cardinat's lability and client's exclusive remoty for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed walved 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, difficient or successors arising out of or related to the performance of servicins hereinfeet by Cardinal report and the above stated assessor of servicins.	or fort, shall be limited to the amount put received by Cardinal within 30 days aft oss of use, or loss of profits incurred by the based inno agon of the above stated to	aid by the client for the ter completion of the application, client, its subsidiaries,	icable			
Relinquished By:	male	Date: 14-24	Received By:	I toll of	D/	emaile	Yes □ No led. Please pro m, TMorrissey@	Add'I Phone #: vvide Email address: @ensolum.com, THillard@ensolum.	HGreen@ensoli
Relinquished By:	'n	Date:	Received By:		REMARKS:				
Delivered By: (Circle One)		Observed Temp. °C	Sample Condition	n С	Turnaround Time:	me:	Standard	Bacteria (only) S	
Sampler - UPS - E	Bus - Other:	Corrected Temp. *C	Yes D Yes	(Initials)	Thermometer ID	=	#14	Cool Intact	ငိ
FURM-000	FURM-006 R 3.2 10/07/21		0.00		Correction - actor	K	7.	I No I No Corrected lemp. C	d

23.2



May 24, 2024

HADLIE GREEN
ENSOLUM
3122 NATIONAL PARKS HWY
CARLSBAD, NM 88220

RE: ROJO 10H - 13H, 34H - 37H

Enclosed are the results of analyses for samples received by the laboratory on 05/20/24 16:21.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/ga/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

Celey D. Keine

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

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

Received: 05/20/2024 Sampling Date: 05/17/2024

Reported: 05/24/2024 Sampling Type: Soil

Project Name: ROJO 10H - 13H, 34H - 37H Sampling Condition: Cool & Intact
Project Number: 03C2012038 (32.108028-103.553151) Sample Received By: Alyssa Parras

A ... - L ... - - - I D. .. MC

Project Location: BTA - LEA CO

Sample ID: SW 07 0-4' (H242767-01)

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	05/21/2024	ND	1.72	85.8	2.00	2.94	
Toluene*	<0.050	0.050	05/21/2024	ND	1.77	88.5	2.00	4.83	
Ethylbenzene*	<0.050	0.050	05/21/2024	ND	1.77	88.4	2.00	4.90	
Total Xylenes*	<0.150	0.150	05/21/2024	ND	5.85	97.4	6.00	4.64	
Total BTEX	<0.300	0.300	05/21/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 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	05/21/2024	ND	432	108	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/21/2024	ND	218	109	200	2.36	
DRO >C10-C28*	<10.0	10.0	05/21/2024	ND	221	110	200	8.44	
EXT DRO >C28-C36	<10.0	10.0	05/21/2024	ND					
Surrogate: 1-Chlorooctane	67.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	66.1	% 49.1-14	8						

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Celey D. Keene



Analytical Results For:

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

Received: 05/20/2024 Sampling Date: 05/17/2024

Reported: 05/24/2024 Sampling Type: Soil

Project Name: ROJO 10H - 13H, 34H - 37H Sampling Condition: Cool & Intact Project Number: Sample Received By: 03C2012038 (32.108028-103.553151) Alyssa Parras

Project Location: BTA - LEA CO

Sample ID: SW 08 0-4' (H242767-02)

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	05/21/2024	ND	1.72	85.8	2.00	2.94	
Toluene*	<0.050	0.050	05/21/2024	ND	1.77	88.5	2.00	4.83	
Ethylbenzene*	<0.050	0.050	05/21/2024	ND	1.77	88.4	2.00	4.90	
Total Xylenes*	<0.150	0.150	05/21/2024	ND	5.85	97.4	6.00	4.64	
Total BTEX	<0.300	0.300	05/21/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	108	% 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	496	16.0	05/21/2024	ND	432	108	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/21/2024	ND	218	109	200	2.36	
DRO >C10-C28*	<10.0	10.0	05/21/2024	ND	221	110	200	8.44	
EXT DRO >C28-C36	<10.0	10.0	05/21/2024	ND					
Surrogate: 1-Chlorooctane	86.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	86.0	% 49.1-14	8						

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Celey D. Keene



Analytical Results For:

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

Received: 05/20/2024 Sampling Date: 05/17/2024

Reported: 05/24/2024 Sampling Type: Soil

Project Name: ROJO 10H - 13H, 34H - 37H Sampling Condition: Cool & Intact
Project Number: 03C2012038 (32.108028-103.553151) Sample Received By: Alyssa Parras

Analyzed By: MS

Project Location: BTA - LEA CO

Sample ID: SW 12 0-4' (H242767-03)

BTEX 8021B

DILX GOZID	ıııg,	, kg	Andryzo	u by. 1-15					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/21/2024	ND	2.09	105	2.00	3.71	
Toluene*	<0.050	0.050	05/21/2024	ND	2.17	108	2.00	0.803	
Ethylbenzene*	<0.050	0.050	05/21/2024	ND	2.15	107	2.00	0.505	
Total Xylenes*	<0.150	0.150	05/21/2024	ND	6.66	111	6.00	0.292	
Total BTEX	<0.300	0.300	05/21/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 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	144	16.0	05/21/2024	ND	432	108	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/21/2024	ND	218	109	200	2.36	
DRO >C10-C28*	<10.0	10.0	05/21/2024	ND	221	110	200	8.44	
EXT DRO >C28-C36	<10.0	10.0	05/21/2024	ND					
Surrogate: 1-Chlorooctane	86.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	86.2	% 49.1-14	8						

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Celey & Keene



Analytical Results For:

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

Received: 05/20/2024 Sampling Date: 05/17/2024

Reported: 05/24/2024 Sampling Type: Soil

Project Name: ROJO 10H - 13H, 34H - 37H Sampling Condition: Cool & Intact
Project Number: 03C2012038 (32.108028-103.553151) Sample Received By: Alyssa Parras

Applyzod By: MC

Project Location: BTA - LEA CO

ma/ka

Sample ID: FS 32 4' (H242767-04)

RTFY 8021R

BIEX 8021B	mg	/ kg	Anaiyze	а ву: м5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/22/2024	ND	2.09	105	2.00	3.71	
Toluene*	<0.050	0.050	05/22/2024	ND	2.17	108	2.00	0.803	
Ethylbenzene*	<0.050	0.050	05/22/2024	ND	2.15	107	2.00	0.505	
Total Xylenes*	<0.150	0.150	05/22/2024	ND	6.66	111	6.00	0.292	
Total BTEX	<0.300	0.300	05/22/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	9700	16.0	05/21/2024	ND	432	108	400	3.77	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/21/2024	ND	218	109	200	2.36	
DRO >C10-C28*	<10.0	10.0	05/21/2024	ND	221	110	200	8.44	
EXT DRO >C28-C36	<10.0	10.0	05/21/2024	ND					
Surrogate: 1-Chlorooctane	88.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	86.5	% 49.1-14	8						

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Analytical Results For:

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

Received: 05/20/2024 Sampling Date: 05/17/2024

Reported: 05/24/2024 Sampling Type: Soil

Project Name: ROJO 10H - 13H, 34H - 37H Sampling Condition: Cool & Intact
Project Number: 03C2012038 (32.108028-103.553151) Sample Received By: Alyssa Parras

Applyzod By: MC

Project Location: BTA - LEA CO

ma/ka

Sample ID: FS 33 4' (H242767-05)

RTFY 8021R

05/22/2024 05/22/2024 05/22/2024 05/22/2024 05/22/2024	Method Blank ND ND ND ND ND	BS 2.09 2.17 2.15 6.66	% Recovery 105 108 107	True Value QC 2.00 2.00 2.00	RPD 3.71 0.803 0.505	Qualifier
05/22/2024 05/22/2024 05/22/2024	ND ND	2.17 2.15	108 107	2.00 2.00	0.803	
05/22/2024 05/22/2024	ND	2.15	107	2.00		
05/22/2024					0.505	
	ND	6.66				
05/22/2024		2.00	111	6.00	0.292	
	ND					
.5-134						
Analyze	ed By: AC					
mit Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
05/21/2024	ND	432	108	400	3.77	
Analyze	ed By: MS					
mit Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
05/21/2024	ND	191	95.3	200	2.97	
05/21/2024	ND	195	97.7	200	6.48	
05/21/2024	ND					
2.2-134						
.1-148						
	mit Analyzed 05/21/2024 05/21/2024 05/21/2024	mit Analyzed Method Blank 05/21/2024 ND 05/21/2024 ND 05/21/2024 ND	mit Analyzed Method Blank BS 05/21/2024 ND 191 05/21/2024 ND 195 05/21/2024 ND .2-/34	mit Analyzed Method Blank BS % Recovery 05/21/2024 ND 191 95.3 05/21/2024 ND 195 97.7 05/21/2024 ND	mit Analyzed Method Blank BS % Recovery True Value QC 05/21/2024 ND 191 95.3 200 05/21/2024 ND 195 97.7 200 05/21/2024 ND	mit Analyzed Method Blank BS % Recovery True Value QC RPD 05/21/2024 ND 191 95.3 200 2.97 05/21/2024 ND 195 97.7 200 6.48 05/21/2024 ND

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Celey D. Keene



Analytical Results For:

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

Received: 05/20/2024 Sampling Date: 05/17/2024

Reported: 05/24/2024 Sampling Type: Soil

Project Name: ROJO 10H - 13H, 34H - 37H Sampling Condition: Cool & Intact
Project Number: 03C2012038 (32.108028-103.553151) Sample Received By: Alyssa Parras

Analyzed By: MC

Project Location: BTA - LEA CO

ma/ka

Sample ID: FS 34 4' (H242767-06)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	а ву: м5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/22/2024	ND	2.09	105	2.00	3.71	
Toluene*	<0.050	0.050	05/22/2024	ND	2.17	108	2.00	0.803	
Ethylbenzene*	<0.050	0.050	05/22/2024	ND	2.15	107	2.00	0.505	
Total Xylenes*	<0.150	0.150	05/22/2024	ND	6.66	111	6.00	0.292	
Total BTEX	<0.300	0.300	05/22/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 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	14200	16.0	05/21/2024	ND	432	108	400	3.77	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/21/2024	ND	191	95.3	200	2.97	
DRO >C10-C28*	<10.0	10.0	05/21/2024	ND	195	97.7	200	6.48	
EXT DRO >C28-C36	<10.0	10.0	05/21/2024	ND					
Surrogate: 1-Chlorooctane	91.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	89.7	% 49.1-14	8						

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Analytical Results For:

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

Received: 05/20/2024 Sampling Date: 05/17/2024

Reported: 05/24/2024 Sampling Type: Soil

Project Name: ROJO 10H - 13H, 34H - 37H Sampling Condition: Cool & Intact
Project Number: 03C2012038 (32.108028-103.553151) Sample Received By: Alyssa Parras

Analyzed By: MS

Project Location: BTA - LEA CO

mg/kg

Sample ID: FS 35 4' (H242767-07)

BTEX 8021B

DILX GOZID	ıııg,	, kg	Andryzo	u by. 1-15					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/22/2024	ND	2.09	105	2.00	3.71	
Toluene*	<0.050	0.050	05/22/2024	ND	2.17	108	2.00	0.803	
Ethylbenzene*	<0.050	0.050	05/22/2024	ND	2.15	107	2.00	0.505	
Total Xylenes*	<0.150	0.150	05/22/2024	ND	6.66	111	6.00	0.292	
Total BTEX	<0.300	0.300	05/22/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 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	2040	16.0	05/21/2024	ND	432	108	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/21/2024	ND	191	95.3	200	2.97	
DRO >C10-C28*	<10.0	10.0	05/21/2024	ND	195	97.7	200	6.48	
EXT DRO >C28-C36	<10.0	10.0	05/21/2024	ND					
Surrogate: 1-Chlorooctane	89.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	87.3	% 49.1-14	8						

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Celey D. Keene



Analytical Results For:

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

Received: 05/20/2024 Sampling Date: 05/17/2024

Reported: 05/24/2024 Sampling Type: Soil

Project Name: ROJO 10H - 13H, 34H - 37H Sampling Condition: Cool & Intact Project Number: 03C2012038 (32.108028-103.553151) Sample Received By: Alyssa Parras

Project Location: BTA - LEA CO

Sample ID: FS 36 4' (H242767-08)

BTEX 8021B	mg/kg		Analyze	Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/22/2024	ND	2.09	105	2.00	3.71	
Toluene*	<0.050	0.050	05/22/2024	ND	2.17	108	2.00	0.803	
Ethylbenzene*	<0.050	0.050	05/22/2024	ND	2.15	107	2.00	0.505	
Total Xylenes*	<0.150	0.150	05/22/2024	ND	6.66	111	6.00	0.292	
Total BTEX	<0.300	0.300	05/22/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	107 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	05/21/2024	ND	432	108	400	3.77	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/21/2024	ND	191	95.3	200	2.97	
DRO >C10-C28*	<10.0	10.0	05/21/2024	ND	195	97.7	200	6.48	
EXT DRO >C28-C36	<10.0	10.0	05/21/2024	ND					
Surrogate: 1-Chlorooctane	87.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	85.8	% 49.1-14	8						

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Analytical Results For:

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

Received: 05/20/2024 Sampling Date: 05/17/2024

Reported: 05/24/2024 Sampling Type: Soil

Project Name: ROJO 10H - 13H, 34H - 37H Sampling Condition: Cool & Intact
Project Number: 03C2012038 (32.108028-103.553151) Sample Received By: Alyssa Parras

Applyzod By: MC

Project Location: BTA - LEA CO

Sample ID: SW 13 0-4' (H242767-09)

RTFY 8021R

BIEX 8021B	mg	/ kg	Anaiyze	а ву: м5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/22/2024	ND	2.09	105	2.00	3.71	
Toluene*	<0.050	0.050	05/22/2024	ND	2.17	108	2.00	0.803	
Ethylbenzene*	<0.050	0.050	05/22/2024	ND	2.15	107	2.00	0.505	
Total Xylenes*	<0.150	0.150	05/22/2024	ND	6.66	111	6.00	0.292	
Total BTEX	<0.300	0.300	05/22/2024	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	48.0	16.0	05/21/2024	ND	432	108	400	3.77	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/21/2024	ND	191	95.3	200	2.97	
DRO >C10-C28*	<10.0	10.0	05/21/2024	ND	195	97.7	200	6.48	
EXT DRO >C28-C36	<10.0	10.0	05/21/2024	ND					
Surrogate: 1-Chlorooctane	99.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	96.9	% 49.1-14	8						

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Celey D. Keine



Analytical Results For:

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

Received: 05/20/2024 Sampling Date: 05/17/2024

Reported: 05/24/2024 Sampling Type: Soil

Project Name: ROJO 10H - 13H, 34H - 37H Sampling Condition: Cool & Intact
Project Number: 03C2012038 (32.108028-103.553151) Sample Received By: Alyssa Parras

Analyzed By: MS

Project Location: BTA - LEA CO

Sample ID: SW 14 0-4' (H242767-10)

BTEX 8021B

	9,	9	7	7: : : :					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/22/2024	ND	2.09	105	2.00	3.71	
Toluene*	<0.050	0.050	05/22/2024	ND	2.17	108	2.00	0.803	
Ethylbenzene*	<0.050	0.050	05/22/2024	ND	2.15	107	2.00	0.505	
Total Xylenes*	<0.150	0.150	05/22/2024	ND	6.66	111	6.00	0.292	
Total BTEX	<0.300	0.300	05/22/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	05/21/2024	ND	432	108	400	3.77	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/21/2024	ND	191	95.3	200	2.97	
DRO >C10-C28*	<10.0	10.0	05/21/2024	ND	195	97.7	200	6.48	
EXT DRO >C28-C36	<10.0	10.0	05/21/2024	ND					
Surrogate: 1-Chlorooctane	98.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	96.2	% 49.1-14	8						

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Celey D. Keene



Analytical Results For:

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

Received: 05/20/2024 Sampling Date: 05/17/2024

Reported: 05/24/2024 Sampling Type: Soil

Project Name: ROJO 10H - 13H, 34H - 37H Sampling Condition: Cool & Intact
Project Number: 03C2012038 (32.108028-103.553151) Sample Received By: Alyssa Parras

Analyzed By: MS

Project Location: BTA - LEA CO

Sample ID: SW 15 0-4' (H242767-11)

BTEX 8021B

	9/	9	7	7: : : :					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/22/2024	ND	2.09	105	2.00	3.71	
Toluene*	<0.050	0.050	05/22/2024	ND	2.17	108	2.00	0.803	
Ethylbenzene*	<0.050	0.050	05/22/2024	ND	2.15	107	2.00	0.505	
Total Xylenes*	<0.150	0.150	05/22/2024	ND	6.66	111	6.00	0.292	
Total BTEX	<0.300	0.300	05/22/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	05/21/2024	ND	432	108	400	3.77	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/21/2024	ND	191	95.3	200	2.97	
DRO >C10-C28*	<10.0	10.0	05/21/2024	ND	195	97.7	200	6.48	
EXT DRO >C28-C36	<10.0	10.0	05/21/2024	ND					
Surrogate: 1-Chlorooctane	86.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	84.5	% 49.1-14	8						

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

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

Received: 05/20/2024 Sampling Date: 05/17/2024

Reported: 05/24/2024 Sampling Type: Soil

Project Name: ROJO 10H - 13H, 34H - 37H Sampling Condition: Cool & Intact
Project Number: 03C2012038 (32.108028-103.553151) Sample Received By: Alyssa Parras

Analyzed By: MS

Project Location: BTA - LEA CO

Sample ID: SW 11 0-1' (H242767-12)

BTEX 8021B

	<u> </u>								
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/22/2024	ND	2.09	105	2.00	3.71	
Toluene*	<0.050	0.050	05/22/2024	ND	2.17	108	2.00	0.803	
Ethylbenzene*	<0.050	0.050	05/22/2024	ND	2.15	107	2.00	0.505	
Total Xylenes*	<0.150	0.150	05/22/2024	ND	6.66	111	6.00	0.292	
Total BTEX	<0.300	0.300	05/22/2024	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	128	16.0	05/21/2024	ND	432	108	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/21/2024	ND	191	95.3	200	2.97	
DRO >C10-C28*	<10.0	10.0	05/21/2024	ND	195	97.7	200	6.48	
EXT DRO >C28-C36	<10.0	10.0	05/21/2024	ND					
Surrogate: 1-Chlorooctane	93.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	93.8	% 49.1-14	8						

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Analytical Results For:

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

Received: 05/20/2024 Sampling Date: 05/17/2024

Reported: 05/24/2024 Sampling Type: Soil

Project Name: ROJO 10H - 13H, 34H - 37H Sampling Condition: Cool & Intact
Project Number: 03C2012038 (32.108028-103.553151) Sample Received By: Alyssa Parras

Applyzod By: MC

Project Location: BTA - LEA CO

Sample ID: SW 16 0-1' (H242767-13)

RTFY 8021R

BIEX 8021B	mg	/ kg	Anaiyze	а ву: м5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/22/2024	ND	2.09	105	2.00	3.71	
Toluene*	<0.050	0.050	05/22/2024	ND	2.17	108	2.00	0.803	
Ethylbenzene*	<0.050	0.050	05/22/2024	ND	2.15	107	2.00	0.505	
Total Xylenes*	<0.150	0.150	05/22/2024	ND	6.66	111	6.00	0.292	
Total BTEX	<0.300	0.300	05/22/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	108	% 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	368	16.0	05/21/2024	ND	432	108	400	3.77	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/21/2024	ND	191	95.3	200	2.97	
DRO >C10-C28*	<10.0	10.0	05/21/2024	ND	195	97.7	200	6.48	
EXT DRO >C28-C36	<10.0	10.0	05/21/2024	ND					
Surrogate: 1-Chlorooctane	93.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	90.6	% 49.1-14	8						

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Celey & Keene



Analytical Results For:

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

Received: 05/20/2024 Sampling Date: 05/17/2024

Reported: 05/24/2024 Sampling Type: Soil

Project Name: ROJO 10H - 13H, 34H - 37H Sampling Condition: Cool & Intact
Project Number: 03C2012038 (32.108028-103.553151) Sample Received By: Alyssa Parras

Analyzed By: MS

Project Location: BTA - LEA CO

Sample ID: SW 17 0-1' (H242767-14)

BTEX 8021B

	9,	9	7	7: : : :					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/22/2024	ND	2.09	105	2.00	3.71	
Toluene*	<0.050	0.050	05/22/2024	ND	2.17	108	2.00	0.803	
Ethylbenzene*	<0.050	0.050	05/22/2024	ND	2.15	107	2.00	0.505	
Total Xylenes*	<0.150	0.150	05/22/2024	ND	6.66	111	6.00	0.292	
Total BTEX	<0.300	0.300	05/22/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	05/21/2024	ND	432	108	400	3.77	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/21/2024	ND	191	95.3	200	2.97	
DRO >C10-C28*	<10.0	10.0	05/21/2024	ND	195	97.7	200	6.48	
EXT DRO >C28-C36	<10.0	10.0	05/21/2024	ND					
Surrogate: 1-Chlorooctane	98.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	95.1	% 49.1-14	8						

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Celey D. Keine



Analytical Results For:

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

Received: 05/20/2024 Sampling Date: 05/17/2024

Reported: 05/24/2024 Sampling Type: Soil

Project Name: ROJO 10H - 13H, 34H - 37H Sampling Condition: Cool & Intact
Project Number: 03C2012038 (32.108028-103.553151) Sample Received By: Alyssa Parras

Applyzod By: MC

Project Location: BTA - LEA CO

Sample ID: SW 18 0-1' (H242767-15)

RTFY 8021R

B1EX 8021B	mg/	кд	Anaiyze	а ву: мѕ					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/22/2024	ND	2.09	105	2.00	3.71	
Toluene*	<0.050	0.050	05/22/2024	ND	2.17	108	2.00	0.803	
Ethylbenzene*	<0.050	0.050	05/22/2024	ND	2.15	107	2.00	0.505	
Total Xylenes*	<0.150	0.150	05/22/2024	ND	6.66	111	6.00	0.292	
Total BTEX	<0.300	0.300	05/22/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 %	71.5-13	4						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	05/21/2024	ND	432	108	400	3.77	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/21/2024	ND	191	95.3	200	2.97	
DRO >C10-C28*	<10.0	10.0	05/21/2024	ND	195	97.7	200	6.48	
EXT DRO >C28-C36	<10.0	10.0	05/21/2024	ND					
Surrogate: 1-Chlorooctane	97.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	93.8	% 49.1-14	8						

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Analytical Results For:

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

Received: 05/20/2024 Sampling Date: 05/17/2024

Reported: 05/24/2024 Sampling Type: Soil

Project Name: ROJO 10H - 13H, 34H - 37H Sampling Condition: Cool & Intact
Project Number: 03C2012038 (32.108028-103.553151) Sample Received By: Alyssa Parras

Applyzod By: MC

Project Location: BTA - LEA CO

ma/ka

Sample ID: FS 44 4' (H242767-16)

RTFY 8021R

BIEX 8021B	mg	/ kg	Anaiyze	а ву: м5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/22/2024	ND	2.09	105	2.00	3.71	
Toluene*	<0.050	0.050	05/22/2024	ND	2.17	108	2.00	0.803	
Ethylbenzene*	<0.050	0.050	05/22/2024	ND	2.15	107	2.00	0.505	
Total Xylenes*	<0.150	0.150	05/22/2024	ND	6.66	111	6.00	0.292	
Total BTEX	<0.300	0.300	05/22/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 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	400	16.0	05/21/2024	ND	432	108	400	3.77	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/21/2024	ND	191	95.3	200	2.97	
DRO >C10-C28*	<10.0	10.0	05/21/2024	ND	195	97.7	200	6.48	
EXT DRO >C28-C36	<10.0	10.0	05/21/2024	ND					
Surrogate: 1-Chlorooctane	90.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	86.6	% 49.1-14	8						

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Analytical Results For:

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

Received: 05/20/2024 Sampling Date: 05/17/2024

Reported: 05/24/2024 Sampling Type: Soil

Project Name: ROJO 10H - 13H, 34H - 37H Sampling Condition: Cool & Intact
Project Number: 03C2012038 (32.108028-103.553151) Sample Received By: Alyssa Parras

Applyzod By: MC

Project Location: BTA - LEA CO

ma/ka

Sample ID: FS 49 4' (H242767-17)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	а ву: м5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/22/2024	ND	2.09	105	2.00	3.71	
Toluene*	<0.050	0.050	05/22/2024	ND	2.17	108	2.00	0.803	
Ethylbenzene*	<0.050	0.050	05/22/2024	ND	2.15	107	2.00	0.505	
Total Xylenes*	<0.150	0.150	05/22/2024	ND	6.66	111	6.00	0.292	
Total BTEX	<0.300	0.300	05/22/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 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	5040	16.0	05/21/2024	ND	432	108	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/21/2024	ND	191	95.3	200	2.97	
DRO >C10-C28*	<10.0	10.0	05/21/2024	ND	195	97.7	200	6.48	
EXT DRO >C28-C36	<10.0	10.0	05/21/2024	ND					
Surrogate: 1-Chlorooctane	93.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	89.6	% 49.1-14	8						

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Analytical Results For:

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

Received: 05/20/2024 Sampling Date: 05/17/2024

Reported: 05/24/2024 Sampling Type: Soil

Project Name: ROJO 10H - 13H, 34H - 37H Sampling Condition: Cool & Intact
Project Number: 03C2012038 (32.108028-103.553151) Sample Received By: Alyssa Parras

Applyzod By: MC

Project Location: BTA - LEA CO

ma/ka

Sample ID: FS 51 4' (H242767-18)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	а ву: м5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/22/2024	ND	2.09	105	2.00	3.71	
Toluene*	<0.050	0.050	05/22/2024	ND	2.17	108	2.00	0.803	
Ethylbenzene*	<0.050	0.050	05/22/2024	ND	2.15	107	2.00	0.505	
Total Xylenes*	<0.150	0.150	05/22/2024	ND	6.66	111	6.00	0.292	
Total BTEX	<0.300	0.300	05/22/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 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	6960	16.0	05/21/2024	ND	432	108	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/21/2024	ND	191	95.3	200	2.97	
DRO >C10-C28*	<10.0	10.0	05/21/2024	ND	195	97.7	200	6.48	
EXT DRO >C28-C36	<10.0	10.0	05/21/2024	ND					
Surrogate: 1-Chlorooctane	91.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	89.2	% 49.1-14	8						

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Analytical Results For:

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

Received: 05/20/2024 Sampling Date: 05/17/2024

Reported: 05/24/2024 Sampling Type: Soil

Project Name: ROJO 10H - 13H, 34H - 37H Sampling Condition: Cool & Intact
Project Number: 03C2012038 (32.108028-103.553151) Sample Received By: Alyssa Parras

Analyzed By: MS

Project Location: BTA - LEA CO

mg/kg

Sample ID: FS 53 4' (H242767-19)

BTEX 8021B

	9/	9	7	7: : : :					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/22/2024	ND	2.09	105	2.00	3.71	
Toluene*	<0.050	0.050	05/22/2024	ND	2.17	108	2.00	0.803	
Ethylbenzene*	<0.050	0.050	05/22/2024	ND	2.15	107	2.00	0.505	
Total Xylenes*	<0.150	0.150	05/22/2024	ND	6.66	111	6.00	0.292	
Total BTEX	<0.300	0.300	05/22/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	'kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5760	16.0	05/21/2024	ND	416	104	400	7.41	QM-07
TPH 8015M	mg,	kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/21/2024	ND	191	95.3	200	2.97	
DRO >C10-C28*	<10.0	10.0	05/21/2024	ND	195	97.7	200	6.48	
EXT DRO >C28-C36	<10.0	10.0	05/21/2024	ND					
Surrogate: 1-Chlorooctane	85.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	82.5	% 49.1-14	8						

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Analytical Results For:

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

Received: 05/20/2024 Sampling Date: 05/17/2024

Reported: 05/24/2024 Sampling Type: Soil

Project Name: ROJO 10H - 13H, 34H - 37H Sampling Condition: Cool & Intact Project Number: Sample Received By: 03C2012038 (32.108028-103.553151) Alyssa Parras

Project Location: BTA - LEA CO

Sample ID: FS 52 4' (H242767-20)

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/22/2024	ND	2.09	105	2.00	3.71	
Toluene*	<0.050	0.050	05/22/2024	ND	2.17	108	2.00	0.803	
Ethylbenzene*	<0.050	0.050	05/22/2024	ND	2.15	107	2.00	0.505	
Total Xylenes*	<0.150	0.150	05/22/2024	ND	6.66	111	6.00	0.292	
Total BTEX	<0.300	0.300	05/22/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	107 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	544	16.0	05/21/2024	ND	416	104	400	7.41	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/21/2024	ND	191	95.3	200	2.97	
DRO >C10-C28*	<10.0	10.0	05/21/2024	ND	195	97.7	200	6.48	
EXT DRO >C28-C36	<10.0	10.0	05/21/2024	ND					
Surrogate: 1-Chlorooctane	79.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	76.3	% 49.1-14	8						

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Analytical Results For:

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

Received: 05/20/2024 Sampling Date: 05/17/2024

Reported: 05/24/2024 Sampling Type: Soil

Project Name: ROJO 10H - 13H, 34H - 37H Sampling Condition: Cool & Intact Project Number: Sample Received By: 03C2012038 (32.108028-103.553151) Alyssa Parras

Project Location: BTA - LEA CO

Sample ID: FS 54 4' (H242767-21)

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/22/2024	ND	2.09	105	2.00	3.71	
Toluene*	<0.050	0.050	05/22/2024	ND	2.17	108	2.00	0.803	
Ethylbenzene*	<0.050	0.050	05/22/2024	ND	2.15	107	2.00	0.505	
Total Xylenes*	<0.150	0.150	05/22/2024	ND	6.66	111	6.00	0.292	
Total BTEX	<0.300	0.300	05/22/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	107 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6160	16.0	05/21/2024	ND	416	104	400	7.41	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/21/2024	ND	191	95.3	200	2.97	
DRO >C10-C28*	<10.0	10.0	05/21/2024	ND	195	97.7	200	6.48	
EXT DRO >C28-C36	<10.0	10.0	05/21/2024	ND					
Surrogate: 1-Chlorooctane	73.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	71.9	% 49.1-14	8						

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Analytical Results For:

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

Received: 05/20/2024 Sampling Date: 05/17/2024

Reported: 05/24/2024 Sampling Type: Soil

Project Name: ROJO 10H - 13H, 34H - 37H Sampling Condition: Cool & Intact
Project Number: 03C2012038 (32.108028-103.553151) Sample Received By: Alyssa Parras

Project Location: BTA - LEA CO

Sample ID: FS 55 4' (H242767-22)

BTEX 8021B	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/22/2024	ND	2.09	105	2.00	3.71	
Toluene*	<0.050	0.050	05/22/2024	ND	2.17	108	2.00	0.803	
Ethylbenzene*	<0.050	0.050	05/22/2024	ND	2.15	107	2.00	0.505	
Total Xylenes*	<0.150	0.150	05/22/2024	ND	6.66	111	6.00	0.292	
Total BTEX	<0.300	0.300	05/22/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	848	16.0	05/21/2024	ND	416	104	400	7.41	
TPH 8015M	mg,	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/21/2024	ND	191	95.3	200	2.97	
DRO >C10-C28*	<10.0	10.0	05/21/2024	ND	195	97.7	200	6.48	
EXT DRO >C28-C36	<10.0	10.0	05/21/2024	ND					
Surrogate: 1-Chlorooctane	76.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	73.2	% 49.1-14	8						

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Analytical Results For:

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

Received: 05/20/2024 Sampling Date: 05/17/2024

Reported: 05/24/2024 Sampling Type: Soil

Project Name: ROJO 10H - 13H, 34H - 37H Sampling Condition: Cool & Intact
Project Number: 03C2012038 (32.108028-103.553151) Sample Received By: Alyssa Parras

Analyzed By: MS

Project Location: BTA - LEA CO

mg/kg

Sample ID: FS 48 4' (H242767-23)

BTEX 8021B

	9/	9	7	,					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/21/2024	ND	1.83	91.3	2.00	2.89	
Toluene*	<0.050	0.050	05/21/2024	ND	1.84	92.1	2.00	1.15	
Ethylbenzene*	<0.050	0.050	05/21/2024	ND	1.90	95.2	2.00	3.06	
Total Xylenes*	<0.150	0.150	05/21/2024	ND	6.48	108	6.00	5.31	
Total BTEX	<0.300	0.300	05/21/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	832	16.0	05/21/2024	ND	416	104	400	7.41	
TPH 8015M	mg,	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/21/2024	ND	191	95.3	200	2.97	
DRO >C10-C28*	<10.0	10.0	05/21/2024	ND	195	97.7	200	6.48	
EXT DRO >C28-C36	<10.0	10.0	05/21/2024	ND					
Surrogate: 1-Chlorooctane	77.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	74.2	% 49.1-14	8						

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Analytical Results For:

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

Received: 05/20/2024 Sampling Date: 05/17/2024

Reported: 05/24/2024 Sampling Type: Soil

Project Name: ROJO 10H - 13H, 34H - 37H Sampling Condition: Cool & Intact
Project Number: 03C2012038 (32.108028-103.553151) Sample Received By: Alyssa Parras

Applyzod By: MC

Project Location: BTA - LEA CO

ma/ka

Sample ID: FS 50 4' (H242767-24)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	а ву: м5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/21/2024	ND	1.83	91.3	2.00	2.89	
Toluene*	<0.050	0.050	05/21/2024	ND	1.84	92.1	2.00	1.15	
Ethylbenzene*	<0.050	0.050	05/21/2024	ND	1.90	95.2	2.00	3.06	
Total Xylenes*	<0.150	0.150	05/21/2024	ND	6.48	108	6.00	5.31	
Total BTEX	<0.300	0.300	05/21/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	109	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6320	16.0	05/21/2024	ND	416	104	400	7.41	
TPH 8015M	mg	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/21/2024	ND	191	95.3	200	2.97	
DRO >C10-C28*	<10.0	10.0	05/21/2024	ND	195	97.7	200	6.48	
EXT DRO >C28-C36	<10.0	10.0	05/21/2024	ND					
Surrogate: 1-Chlorooctane	80.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	78.0	% 49.1-14	8						

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Celey D. Keene



Analytical Results For:

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

Received: 05/20/2024 Sampling Date: 05/17/2024

Reported: 05/24/2024 Sampling Type: Soil

Project Name: ROJO 10H - 13H, 34H - 37H Sampling Condition: Cool & Intact
Project Number: 03C2012038 (32.108028-103.553151) Sample Received By: Alyssa Parras

Analyzed By: MS

Project Location: BTA - LEA CO

mg/kg

Sample ID: FS 46 4' (H242767-25)

BTEX 8021B

	9/	9	7	7					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/21/2024	ND	1.83	91.3	2.00	2.89	
Toluene*	<0.050	0.050	05/21/2024	ND	1.84	92.1	2.00	1.15	
Ethylbenzene*	<0.050	0.050	05/21/2024	ND	1.90	95.2	2.00	3.06	
Total Xylenes*	<0.150	0.150	05/21/2024	ND	6.48	108	6.00	5.31	
Total BTEX	<0.300	0.300	05/21/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	'kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5200	16.0	05/21/2024	ND	416	104	400	7.41	
TPH 8015M	mg,	'kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/21/2024	ND	185	92.3	200	0.522	
DRO >C10-C28*	<10.0	10.0	05/21/2024	ND	178	89.2	200	0.113	
EXT DRO >C28-C36	<10.0	10.0	05/21/2024	ND					
Surrogate: 1-Chlorooctane	72.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	61.4	% 49.1-14	8						

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Celey D. Keine



Analytical Results For:

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

Received: 05/20/2024 Sampling Date: 05/17/2024

Reported: 05/24/2024 Sampling Type: Soil

Project Name: ROJO 10H - 13H, 34H - 37H Sampling Condition: Cool & Intact
Project Number: 03C2012038 (32.108028-103.553151) Sample Received By: Alyssa Parras

Analyzed By: MS

Project Location: BTA - LEA CO

mg/kg

Sample ID: FS 47 4' (H242767-26)

BTEX 8021B

	9/	9	7	,					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/21/2024	ND	1.83	91.3	2.00	2.89	
Toluene*	<0.050	0.050	05/21/2024	ND	1.84	92.1	2.00	1.15	
Ethylbenzene*	<0.050	0.050	05/21/2024	ND	1.90	95.2	2.00	3.06	
Total Xylenes*	<0.150	0.150	05/21/2024	ND	6.48	108	6.00	5.31	
Total BTEX	<0.300	0.300	05/21/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	117 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3480	16.0	05/21/2024	ND	416	104	400	7.41	
TPH 8015M	mg,	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/21/2024	ND	185	92.3	200	0.522	
DRO >C10-C28*	<10.0	10.0	05/21/2024	ND	178	89.2	200	0.113	
EXT DRO >C28-C36	<10.0	10.0	05/21/2024	ND					
Surrogate: 1-Chlorooctane	71.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	59.9	% 49.1-14	8						

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Celey D. Keene



Analytical Results For:

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

Received: 05/20/2024 Sampling Date: 05/17/2024

Reported: 05/24/2024 Sampling Type: Soil

Project Name: ROJO 10H - 13H, 34H - 37H Sampling Condition: Cool & Intact
Project Number: 03C2012038 (32.108028-103.553151) Sample Received By: Alyssa Parras

Analyzed By: MS

Project Location: BTA - LEA CO

mg/kg

Sample ID: FS 39 4' (H242767-27)

BTEX 8021B

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/22/2024	ND	1.94	97.0	2.00	5.52	
Toluene*	<0.050	0.050	05/22/2024	ND	1.88	94.1	2.00	3.21	
Ethylbenzene*	<0.050	0.050	05/22/2024	ND	1.89	94.3	2.00	1.97	
Total Xylenes*	<0.150	0.150	05/22/2024	ND	5.42	90.3	6.00	2.10	
Total BTEX	<0.300	0.300	05/22/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	92.7	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6560	16.0	05/21/2024	ND	416	104	400	7.41	
TPH 8015M	mg/	kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/22/2024	ND	198	98.8	200	3.07	
DRO >C10-C28*	<10.0	10.0	05/22/2024	ND	183	91.7	200	5.12	
EXT DRO >C28-C36	<10.0	10.0	05/22/2024	ND					
Surrogate: 1-Chlorooctane	91.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	61.9	% 49.1-14	8						

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Celey D. Keene



Notes and Definitions

S-05 The surrogate recovery is outside of lab established statistical control limits but still within method limits. Data is not adversely

affected.

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

ecovery.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

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

*** Insufficient time to reach temperature.

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

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

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Celeg D. Freene



(575) 39	(575) 393-2326 FAX (575) 393-2476	76			
Company Name: Ensolum, LLC	LLC		BILL TO	ANALYSIS REQUEST	
Project Manager: Hadlie	ie Green		P.O. #:		
Address: 3122 No	mal parks	Hwy	Company: STA		
Ó		State: NM ZIp: 88220	Attn: Kallon Rain	4	
0			Address: 104 S PCGS	GCS St	
Project #: 03C 201	38	BTA	city: Midland		
	13 14, 34			70	
on: 32.	28, -103.553	151	Phone #: 432-312	312-2263	
Ome	Hamdy / Uriel	Santillana	Fax #:		
		$\overline{}$	PRESERV. SAMP	SAMPLING	
Lab I.D. Sample I.D.	le I.D. Depth (feet)	G)RAB OR (C)OME CONTAINERS GROUNDWATER VASTEWATER GOIL DIL BLUDGE	OTHER: ACID/BASE: CE / COOL OTHER:	BTEX TPH Chloride	
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2 5,008	0-4.	×	×	INTO XXX	
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16/17			×2.	131/00	
8 FC 3/	=, =	×	×	12:05 XXX	
9 Sw 13	0-4	X	· ×	n:ss XXX	
10 Sw 14	nate liability and client's exclusive remedy for	ny claim arising whether based in contract	or lorf, shall be limited to the amount paid	13°, 00° × × × × × × × × × × × × × × × × × ×	
PLEASE NOTE: Lability and Damages, Card analyses. All claims including those for neglig service. In no event shall Cardinal be liable for services.	ther c	deemed waived unless made in writing and g without limitation, business interruptions, I cardinal, recardless of whether such delim	I received by Cardinal within 30 days afte oss of use, or loss of profits incurred by o is based upon any of the above stated re-	completion of the applicable lient, its subsidiaries, some or otherwise.	
Relinquished By:	1	yed By:		Verbal Result: □ Yes □ No Add'l Phone #: All Results are emailed. Please provide Email address:	
Char Hav	Hamos Time:	11/11/01	Cal	H Green Bensolum, Com	
Relinquished By:) Date: 0 124	Received By:		REMARKS: APP2123555 601- nAPP2400854443	
111001	Time: 21	100		Standard	
Delivered By: (Circle One)	Observed Temp. *C	o &	ion CHECKED BY: (Initials)	Turnaround Time: Standard Describe Conditions Cool Index Observed Temp. *C	ငိ
Sampler - UPS - Bus - Other:		Z	_	Thermometer ID #113 (ID)	റ്



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

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Rojo 10 H-131 m: 3210 8028, -10 Max Hamo Sw 15 Sw 18 Sw 18 Es 44	Project Owner: 8TF)	city: Mi sland		
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Sample I.D. Sample I.D. Sw 15 Sw 18 Sw 18 Es 44 Es 44 Es 44 Es 44 Es 44 Es 44 Es 51		Phone #: 432-312-200	-27.03	
Sample I.D. Sw 15 Sw 18 Sw 18 FS 44 FS 44 FS 53	/Uriel Santillana	Fax #:		
Sample I.D. Sw 15 Sw 11 Sw 11 Sw 18 FS 44 FS 44 FS 51 FS 53	Η	PRESERV. SAMPLING	ING	
Sw 18 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	(G)RAB OR (C)OMF # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE	OTHER: ACID/BASE: ICE / COOL OTHER:	BTEX TPH Chloride	
Sw 18 0-	C1	5/17/20	13:.05 XXX	
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5 2 2			4:20 XXX	
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Liability and Damages. Cardinal's liability and client ms including those for negligence and any other caums including those for negligence and any other caums shall Cardinal be liable for incidental or consequences.	s remedy for any claim arising whether based in contract ever shall be deemed walved unless made in writing and gaes, including without illimitation, business interruptions, is assumed by Carolina and advantage of the property of the prop	or tort, shall be limited to the amount paid in dreceived by Cardinal within 30 days after o loss of use, or loss of profits incurred by clik in the cardinal way of the characteristics.	y the client for the ompletion of the applicable nt, its substituties.	
Relinquished By: Once Handy Time:	Received By:	M	Verbal Result: ☐ Yes ☐ No │Add'i Phone #: All Results are emailed. Please provide Email address:	idress:
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Time:	14 apara			
Delivered By: (Circle One) Observed Temp. *C	emp. °C Sample Condition	CHECKED BY:	Turnaround Time: Standard A Bac	Bacteria (only) Sample Condition
Sampler - UPS - Bus - Other: Corrected Temp.		ooi intact (initials)	_[Yes Yes

CARDINAL Laboratories 101 East Marland, Hobbs, NM 882

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

	(010) 000 2000		100			
Company Name: Ensolum, LLC	Ensolum, LLC			BILL TO	ANALYSIS REQUEST	
Project Manager:	Hadlie	Green				╛
Address: 3/22	Notion	POWKS HUY	•	Company: BTA		
city: Carls by	35 - 551-88	-8895 State: NM	Zip: 88220	10	aird	
Phone #: 337	1958 - LIST	Fax #:		Address: Ou S Pe	PECOS St	
Project #: 03C	2012038	Project Owner:	BTA	dland		
Project Name:	Rojo 10H-13	10H-18H134H-37H		State: TX Zip: 7976	701	
Project Location:	: 32.108028,	-103.553151		# 42	-2703	
Sampler Name:	Omar Ham	ands / Uriel	Santillana	Fax #:		
FOR LAB USE ONLY			MATRIX	SERV.	SAMPLING	
Lab I.D.	Sample I.D.	Depth (feet)		LUDGE THER: CID/BASE: EE/COOL THER:	BTEX TPH Chloride	
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DI TANTI NOTTI I INVINITI NOTTI	Demanas Cardina's liability and			DEASE NOTE: I lability and flammans. Furtishing and distribution in the state of th		
analyses. All claims including service. In no event shall Car affiliates or successors arising	those for negligence and any oth dinal be liable for incidental or col out of or related to the performa	er cause whatsoever shall be do asequental damages, including a ace of services hereunder by Ca	s including those for regiligence and any other cause whatsceever shall be deemed swaked unless made in witting and received by Cradinal wittin 30 shall be deemed swaked in which 30 states in the case of the ca	analyses. All claims including those for regigence and any other cause whatecever shall be deemed wated unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business intemptions, loss of use, or loss of profits incurred by claim, its substances, affiliates or successions arising out of or related to the performance of services benuture by Cardinal, regardless of whether succh chigh is based upon any of the above stated reasons or otherwise.	er completion of the applicable clamt, its subdefinities, assorts or offerwise.	
Relinquished By:	Hamoy	Date: 5 220 224	Received By:	MIC	Verbal Result: □ Yes □ No Add'l Phone #: All Results are emailed. Please provide Email address: 以 らいとの とんくいれんのか	
Relinquished By:	MM	Date 2024	Réceived By:	O	22	D
Delivered By: (Circle One)		Observed Temp. *C	Sample Condition	CHECKED BY:	d Time: Standard Bacteria (only) S	
Sampler - UPS - Bus - Other	2 .1	Corrected Temp. *C	No No	K		
The second secon						



June 13, 2024

HADLIE GREEN
ENSOLUM
3122 NATIONAL PARKS HWY
CARLSBAD, NM 88220

RE: ROJO 10H - 13H, 34H - 37H

Enclosed are the results of analyses for samples received by the laboratory on 06/07/24 13:56.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/ga/lab accred certif.html.

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

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

Accreditation applies to public drinking water matrices.

Celey D. Keine

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

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

Received: 06/07/2024 Sampling Date: 06/07/2024

Reported: 06/13/2024 Sampling Type: Soil

Project Name: ROJO 10H - 13H, 34H - 37H Sampling Condition: Cool & Intact Project Number: 03C2012038 Sample Received By: Alyssa Parras

Analyzed By: JH

Project Location: BTA (32.108028,-103.553151)

mg/kg

Sample ID: FS 34 A 4.25 (H243276-01)

BTEX 8021B

BIEX GOEED	9/	119	Andryzo	u 5 y 1 51 1					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/11/2024	ND	1.82	90.8	2.00	2.11	
Toluene*	<0.050	0.050	06/11/2024	ND	1.84	91.8	2.00	1.42	
Ethylbenzene*	<0.050	0.050	06/11/2024	ND	1.74	86.8	2.00	0.686	
Total Xylenes*	<0.150	0.150	06/11/2024	ND	5.42	90.3	6.00	0.273	
Total BTEX	<0.300	0.300	06/11/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.7	% 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	4640	16.0	06/11/2024	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/10/2024	ND	207	103	200	0.268	
DRO >C10-C28*	<10.0	10.0	06/10/2024	ND	203	101	200	0.162	
EXT DRO >C28-C36	<10.0	10.0	06/10/2024	ND					
Surrogate: 1-Chlorooctane	88.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	87.4	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

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Celey & Keene



Analytical Results For:

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

Received: 06/07/2024 Sampling Date: 06/07/2024

Reported: 06/13/2024 Sampling Type: Soil

Project Name: ROJO 10H - 13H, 34H - 37H Sampling Condition: Cool & Intact Sample Received By: Project Number: 03C2012038 Alyssa Parras

Applyzod By: 14

Project Location: BTA (32.108028,-103.553151)

Sample ID: FS 14 A 1.25 (H243276-02)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/11/2024	ND	1.82	90.8	2.00	2.11	
Toluene*	<0.050	0.050	06/11/2024	ND	1.84	91.8	2.00	1.42	
Ethylbenzene*	<0.050	0.050	06/11/2024	ND	1.74	86.8	2.00	0.686	
Total Xylenes*	<0.150	0.150	06/11/2024	ND	5.42	90.3	6.00	0.273	
Total BTEX	<0.300	0.300	06/11/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.8	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	06/11/2024	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/10/2024	ND	207	103	200	0.268	
DRO >C10-C28*	387	10.0	06/10/2024	ND	203	101	200	0.162	
EXT DRO >C28-C36	195	10.0	06/10/2024	ND					
Surrogate: 1-Chlorooctane	98.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	118	% 49.1-14	8						

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Celey D. Keene



Analytical Results For:

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

Received: 06/07/2024 Sampling Date: 06/07/2024

Reported: 06/13/2024 Sampling Type: Soil
Project Name: ROJO 10H - 13H, 34H - 37H Sampling Condition: Cool & Intact

Project Number: 03C2012038 Sample Received By: Alyssa Parras

Analyzed By: JH

Project Location: BTA (32.108028,-103.553151)

mg/kg

Sample ID: SW 19 0-1' (H243276-03)

BTEX 8021B

	9,	9	7	7: :					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/11/2024	ND	1.82	90.8	2.00	2.11	
Toluene*	0.077	0.050	06/11/2024	ND	1.84	91.8	2.00	1.42	
Ethylbenzene*	<0.050	0.050	06/11/2024	ND	1.74	86.8	2.00	0.686	
Total Xylenes*	<0.150	0.150	06/11/2024	ND	5.42	90.3	6.00	0.273	
Total BTEX	<0.300	0.300	06/11/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.5	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	06/11/2024	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/10/2024	ND	207	103	200	0.268	
DRO >C10-C28*	<10.0	10.0	06/10/2024	ND	203	101	200	0.162	
EXT DRO >C28-C36	<10.0	10.0	06/10/2024	ND					
Surrogate: 1-Chlorooctane	102	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	105	% 49.1-14	8						

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Celey D. Keene



Sample Received By:

06/07/2024

Alyssa Parras

Analytical Results For:

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

Received: 06/07/2024 Sampling Date:

Reported: 06/13/2024 Sampling Type: Soil
Project Name: ROJO 10H - 13H, 34H - 37H Sampling Condition: Cool & Intact

Project Number: 03C2012038

Project Location: BTA (32.108028,-103.553151)

Sample ID: SW 20 0-1' (H243276-04)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/11/2024	ND	1.82	90.8	2.00	2.11	
Toluene*	<0.050	0.050	06/11/2024	ND	1.84	91.8	2.00	1.42	
Ethylbenzene*	<0.050	0.050	06/11/2024	ND	1.74	86.8	2.00	0.686	
Total Xylenes*	<0.150	0.150	06/11/2024	ND	5.42	90.3	6.00	0.273	
Total BTEX	<0.300	0.300	06/11/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.1	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	368	16.0	06/11/2024	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/10/2024	ND	207	103	200	0.268	
DRO >C10-C28*	<10.0	10.0	06/10/2024	ND	203	101	200	0.162	
EXT DRO >C28-C36	<10.0	10.0	06/10/2024	ND					
Surrogate: 1-Chlorooctane	105	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	107	% 49.1-14	8						

Applyzod By: 14

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Sample Received By:

06/07/2024

Alyssa Parras

Analytical Results For:

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

Received: 06/07/2024 Sampling Date:

Reported: 06/13/2024 Sampling Type: Soil
Project Name: ROJO 10H - 13H, 34H - 37H Sampling Condition: Cool & Intact

Project Number: 03C2012038

Project Location: BTA (32.108028,-103.553151)

104 %

49.1-148

Sample ID: SW 21 0-1' (H243276-05)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/11/2024	ND	1.82	90.8	2.00	2.11	
Toluene*	<0.050	0.050	06/11/2024	ND	1.84	91.8	2.00	1.42	
Ethylbenzene*	<0.050	0.050	06/11/2024	ND	1.74	86.8	2.00	0.686	
Total Xylenes*	<0.150	0.150	06/11/2024	ND	5.42	90.3	6.00	0.273	
Total BTEX	<0.300	0.300	06/11/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.5	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	06/11/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/10/2024	ND	207	103	200	0.268	
DRO >C10-C28*	<10.0	10.0	06/10/2024	ND	203	101	200	0.162	
EXT DRO >C28-C36	<10.0	10.0	06/10/2024	ND					
Surrogate: 1-Chlorooctane	102 9	¹ / ₆ 48.2-13	4						

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Surrogate: 1-Chlorooctadecane



Analytical Results For:

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

Received: 06/07/2024 Sampling Date: 06/07/2024

Reported: 06/13/2024 Sampling Type: Soil

Project Name: ROJO 10H - 13H, 34H - 37H Sampling Condition: Cool & Intact
Project Number: 03C2012038 Sample Received By: Alyssa Parras

Project Location: BTA (32.108028,-103.553151)

Sample ID: SW 22 0-1' (H243276-06)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/11/2024	ND	1.82	90.8	2.00	2.11	
Toluene*	<0.050	0.050	06/11/2024	ND	1.84	91.8	2.00	1.42	
Ethylbenzene*	<0.050	0.050	06/11/2024	ND	1.74	86.8	2.00	0.686	
Total Xylenes*	<0.150	0.150	06/11/2024	ND	5.42	90.3	6.00	0.273	
Total BTEX	<0.300	0.300	06/11/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.6	% 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	160	16.0	06/11/2024	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/10/2024	ND	207	103	200	0.268	
DRO >C10-C28*	77.7	10.0	06/10/2024	ND	203	101	200	0.162	
EXT DRO >C28-C36	21.8	10.0	06/10/2024	ND					
Surrogate: 1-Chlorooctane	98.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	103	% 49.1-14	18						

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Notes and Definitions

BS-3 Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

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

*** Insufficient time to reach temperature.

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

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

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Celeg D. Freene

101 East Marland, Hobbs, NM 88240

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

(0/0) 000-2020	0.700 (0.0) 000 27.0		
Company Name: Ensolum, LLC		BILL TO	ANALYSIS REQUEST
Project Manager: Hadine GV	Eveen.	P.O. #:	
Address: 601 N Marienfeld Street, Suite 400	, Suite 400	Company: BTA (11)	Producers ULC
City: Midland	State: TX Zip: 79701	Attn: Ray Ramos	
Phone #: 432 - 557 - 8895		Address:	
Project #: 036.7012038		City:	
ne: 2010		State: Zip:	
n: 32	·	Phone #:	
Sampler Name: Fracy Hillard	Mariaha O'Dell	Fax #:	
FOR LAB USE ONLY	MATRIX	PRESERV.	SAMPLING
Lab I.D. Sample I.D.	DR (C)OMP. AINERS DWATER	SE:	
11243276	(G)RAB # CONT GROUN WASTE SOIL	OIL SLUDG OTHER ACID/B ICE / CC OTHER	TPH & BTEX
	· ×	×	9:35 X X X
F-	1.25		10:15
DI WS WIG	0-1		11:8
SW20	0-1:		
TAMA	4	\	
JWL	0-1.	0 3	
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Relinquished By:	Date: Received By:		Verbal Result: La Yes La No Add'i Phone #: All Results are emailed. Please provide Email address: mode/16 en 50 hm. La no
Refinquished By:	Date: Received By:	1,00	REMARKS: Incident #: nkpp2 313055442
Delivered By: (Circle One) Sampler - UPS - Bus - Other:		tion CHECKED BY (Initials)	Turnaround Time: Standard Bacteria (only) Sample Condition Cool Intact Observed Temp. °C Thermometer ID #113- Correction Factor 0.5°C U No No No Corrected Temp. °C
FURM-006 K 3.2 10/0/121	† Cardinal cannot accept verb	d changes. Please email cha	Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com



July 05, 2024

HADLIE GREEN
ENSOLUM
3122 NATIONAL PARKS HWY
CARLSBAD, NM 88220

RE: ROJO 10H - 13H, 34H - 37H

Enclosed are the results of analyses for samples received by the laboratory on 06/28/24 14:55.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/ga/lab accred certif.html.

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

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

Accreditation applies to public drinking water matrices.

Celey D. Keine

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



06/27/2024

Analytical Results For:

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

Received: 06/28/2024 Sampling Date:

Reported: 07/05/2024 Sampling Type: Soil Project Name: ROJO 10H - 13H, 34H - 37H Sampling Condition: Coo

Project Name: ROJO 10H - 13H, 34H - 37H Sampling Condition: Cool & Intact
Project Number: 03C2012038 Sample Received By: Shalyn Rodriguez

Analyzed By: JH

Project Location: BTA (32.108028,-103.553151)

mg/kg

Sample ID: SW 06 0-5' (H243906-01)

BTEX 8021B

DILX 0021D	ilig	r kg	Allalyze	u by. 311					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/04/2024	ND	2.10	105	2.00	2.27	
Toluene*	<0.050	0.050	07/04/2024	ND	2.14	107	2.00	1.41	
Ethylbenzene*	<0.050	0.050	07/04/2024	ND	2.23	111	2.00	1.58	
Total Xylenes*	<0.150	0.150	07/04/2024	ND	6.86	114	6.00	1.88	
Total BTEX	<0.300	0.300	07/04/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	118	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	07/05/2024	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/04/2024	ND	204	102	200	2.14	
DRO >C10-C28*	<10.0	10.0	07/04/2024	ND	210	105	200	4.99	
EXT DRO >C28-C36	<10.0	10.0	07/04/2024	ND					
Surrogate: 1-Chlorooctane	99.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	103	% 49.1-14	8						

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Sample Received By:

06/27/2024

Shalyn Rodriguez

Soil

Analytical Results For:

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

Received: 06/28/2024 Sampling Date:
Reported: 07/05/2024 Sampling Type:

Project Name: ROJO 10H - 13H, 34H - 37H Sampling Condition: Cool & Intact

Project Location: BTA (32.108028,-103.553151)

03C2012038

Sample ID: SW 09 0-4' (H243906-02)

Project Number:

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	07/04/2024	ND	2.10	105	2.00	2.27	
Toluene*	<0.050	0.050	07/04/2024	ND	2.14	107	2.00	1.41	
Ethylbenzene*	<0.050	0.050	07/04/2024	ND	2.23	111	2.00	1.58	
Total Xylenes*	<0.150	0.150	07/04/2024	ND	6.86	114	6.00	1.88	
Total BTEX	<0.300	0.300	07/04/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	120	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	07/05/2024	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/04/2024	ND	204	102	200	2.14	
DRO >C10-C28*	<10.0	10.0	07/04/2024	ND	210	105	200	4.99	
EXT DRO >C28-C36	<10.0	10.0	07/04/2024	ND					
Surrogate: 1-Chlorooctane	79.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	81.2	% 49.1-14	8						

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Celey D. Keene



06/27/2024

Shalyn Rodriguez

Analytical Results For:

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

Received: 06/28/2024 Sampling Date:

Reported: 07/05/2024 Sampling Type: Soil Cool & Intact

Project Name: ROJO 10H - 13H, 34H - 37H Sampling Condition: Project Number: 03C2012038 Sample Received By:

Project Location: BTA (32.108028,-103.553151)

Sample ID: FS 41A 5' (H243906-03)

BTEX 8021B	mg,	'kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/04/2024	ND	2.10	105	2.00	2.27	
Toluene*	<0.050	0.050	07/04/2024	ND	2.14	107	2.00	1.41	
Ethylbenzene*	<0.050	0.050	07/04/2024	ND	2.23	111	2.00	1.58	
Total Xylenes*	<0.150	0.150	07/04/2024	ND	6.86	114	6.00	1.88	
Total BTEX	<0.300	0.300	07/04/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	117 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	'kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2640	16.0	07/05/2024	ND	432	108	400	0.00	
TPH 8015M	mg,	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/03/2024	ND	219	109	200	2.37	
DRO >C10-C28*	<10.0	10.0	07/03/2024	ND	214	107	200	1.42	
EXT DRO >C28-C36	<10.0	10.0	07/03/2024	ND					
Surrogate: 1-Chlorooctane	96.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	97.2	% 49.1-14	8						

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Analytical Results For:

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

Received: 06/28/2024 Sampling Date: 06/27/2024

Reported: 07/05/2024 Sampling Type: Soil

Project Name: ROJO 10H - 13H, 34H - 37H Sampling Condition: Cool & Intact
Project Number: 03C2012038 Sample Received By: Shalyn Rodriguez

Analyzed By: JH

Project Location: BTA (32.108028,-103.553151)

mg/kg

Sample ID: FS 43A 5' (H243906-04)

BTEX 8021B

DIEX GOZID	11197	- Kg	Allulyzo	.u Dy. 311					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/04/2024	ND	2.10	105	2.00	2.27	
Toluene*	<0.050	0.050	07/04/2024	ND	2.14	107	2.00	1.41	
Ethylbenzene*	<0.050	0.050	07/04/2024	ND	2.23	111	2.00	1.58	
Total Xylenes*	<0.150	0.150	07/04/2024	ND	6.86	114	6.00	1.88	
Total BTEX	<0.300	0.300	07/04/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	117 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3000	16.0	07/05/2024	ND	432	108	400	0.00	
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	07/03/2024	ND	219	109	200	2.37	
DRO >C10-C28*	<10.0	10.0	07/03/2024	ND	214	107	200	1.42	
EXT DRO >C28-C36	<10.0	10.0	07/03/2024	ND					
Surrogate: 1-Chlorooctane	95.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	96.3	% 49.1-14	8						

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Analytical Results For:

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

Received: 06/28/2024 Reported: 07/05/2024

07/05/2024 ROJO 10H - 13H, 34H - 37H

ma/ka

Project Name: ROJO 10H - : Project Number: 03C2012038

Project Location: BTA (32.108028,-103.553151)

Sampling Date: 06/27/2024

Sampling Type: Soil

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

Sample ID: FS 30A 4' (H243906-05)

RTFY 8021R

BIEX 8021B	mg	/ kg	Anaiyze	а ву: ЈН					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/04/2024	ND	1.99	99.5	2.00	2.10	
Toluene*	<0.050	0.050	07/04/2024	ND	2.08	104	2.00	1.52	
Ethylbenzene*	<0.050	0.050	07/04/2024	ND	2.12	106	2.00	0.805	
Total Xylenes*	<0.150	0.150	07/04/2024	ND	6.25	104	6.00	0.851	
Total BTEX	<0.300	0.300	07/04/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	110	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	ed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1250	16.0	07/05/2024	ND	432	108	400	0.00	
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	07/03/2024	ND	219	109	200	2.37	
DRO >C10-C28*	<10.0	10.0	07/03/2024	ND	214	107	200	1.42	
EXT DRO >C28-C36	<10.0	10.0	07/03/2024	ND					
Surrogate: 1-Chlorooctane	93.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	96.0	% 49.1-14	8						

Applyzod By: 14

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Analytical Results For:

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

Received: 06/28/2024 Sampling Date: 06/27/2024

Reported: 07/05/2024 Sampling Type: Soil

Project Name: ROJO 10H - 13H, 34H - 37H Sampling Condition: Cool & Intact
Project Number: 03C2012038 Sample Received By: Shalyn Rodriguez

Project Location: BTA (32.108028,-103.553151)

Sample ID: FS 31A 4' (H243906-06)

BTEX 8021B	mg	/kg	Analyze	ed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/04/2024	ND	1.99	99.5	2.00	2.10	
Toluene*	<0.050	0.050	07/04/2024	ND	2.08	104	2.00	1.52	
Ethylbenzene*	< 0.050	0.050	07/04/2024	ND	2.12	106	2.00	0.805	
Total Xylenes*	<0.150	0.150	07/04/2024	ND	6.25	104	6.00	0.851	
Total BTEX	<0.300	0.300	07/04/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	944	16.0	07/05/2024	ND	432	108	400	0.00	
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	07/03/2024	ND	219	109	200	2.37	
DRO >C10-C28*	<10.0	10.0	07/03/2024	ND	214	107	200	1.42	
EXT DRO >C28-C36	<10.0	10.0	07/03/2024	ND					
Surrogate: 1-Chlorooctane	104	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	105	% 49.1-14	8						

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06/25/2024

Analytical Results For:

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

Received: 06/28/2024 Sampling Date:

Reported: 07/05/2024 Sampling Type: Soil

Project Name: ROJO 10H - 13H, 34H - 37H Sampling Condition: Cool & Intact Sample Received By: Project Number: 03C2012038 Shalyn Rodriguez

Project Location: BTA (32.108028,-103.553151)

Sample ID: FS 18A 4' (H243906-07)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/04/2024	ND	1.99	99.5	2.00	2.10	
Toluene*	<0.050	0.050	07/04/2024	ND	2.08	104	2.00	1.52	
Ethylbenzene*	<0.050	0.050	07/04/2024	ND	2.12	106	2.00	0.805	
Total Xylenes*	<0.150	0.150	07/04/2024	ND	6.25	104	6.00	0.851	
Total BTEX	<0.300	0.300	07/04/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	111 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	64.0	16.0	07/05/2024	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	07/03/2024	ND	219	109	200	2.37	
DRO >C10-C28*	<10.0	10.0	07/03/2024	ND	214	107	200	1.42	
EXT DRO >C28-C36	<10.0	10.0	07/03/2024	ND					
Surrogate: 1-Chlorooctane	70.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	70.6	% 49.1-14	8						

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Analytical Results For:

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

Received: 06/28/2024 Reported: 07/05/2024

07/05/2024 ROJO 10H - 13H, 34H - 37H

ma/ka

Project Name: ROJO 10H - 1
Project Number: 03C2012038

Project Location: BTA (32.108028,-103.553151)

Sampling Date: 06/25/2024

Sampling Type: Soil

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

Sample ID: FS 19C 4' (H243906-08)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/04/2024	ND	1.99	99.5	2.00	2.10	
Toluene*	<0.050	0.050	07/04/2024	ND	2.08	104	2.00	1.52	
Ethylbenzene*	<0.050	0.050	07/04/2024	ND	2.12	106	2.00	0.805	
Total Xylenes*	<0.150	0.150	07/04/2024	ND	6.25	104	6.00	0.851	
Total BTEX	<0.300	0.300	07/04/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	111	% 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	336	16.0	07/05/2024	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	07/03/2024	ND	219	109	200	2.37	
DRO >C10-C28*	<10.0	10.0	07/03/2024	ND	214	107	200	1.42	
EXT DRO >C28-C36	<10.0	10.0	07/03/2024	ND					
Surrogate: 1-Chlorooctane	77.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	75.9	% 49.1-14	8						

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Analytical Results For:

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

Received: 06/28/2024 Reported: 07/05/2024

07/05/2024 ROJO 10H - 13H, 34H - 37H

ma/ka

Project Name: ROJO 10H - : Project Number: 03C2012038

Project Location: BTA (32.108028,-103.553151)

Sampling Date: 06/25/2024

Sampling Type: Soil

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

Sample ID: SW 05 0-4' (H243906-09)

RTFY 8021R

BIEX 8021B	mg	/ kg	Anaiyze	а ву: ЈН					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/04/2024	ND	1.99	99.5	2.00	2.10	
Toluene*	<0.050	0.050	07/04/2024	ND	2.08	104	2.00	1.52	
Ethylbenzene*	<0.050	0.050	07/04/2024	ND	2.12	106	2.00	0.805	
Total Xylenes*	<0.150	0.150	07/04/2024	ND	6.25	104	6.00	0.851	
Total BTEX	<0.300	0.300	07/04/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	07/05/2024	ND	416	104	400	3.92	
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	07/04/2024	ND	219	109	200	2.37	
DRO >C10-C28*	<10.0	10.0	07/04/2024	ND	214	107	200	1.42	
EXT DRO >C28-C36	<10.0	10.0	07/04/2024	ND					
Surrogate: 1-Chlorooctane	93.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	94.9	% 49.1-14	8						

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Sample Received By:

06/26/2024

Shalyn Rodriguez

Analytical Results For:

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

Received: 06/28/2024 Sampling Date:

Reported: 07/05/2024 Sampling Type: Soil
Project Name: ROJO 10H - 13H, 34H - 37H Sampling Condition: Cool & Intact

Project Name: ROJO 10H - 13H, 34H - 37H

Project Number: 03C2012038

Project Location: BTA (32.108028,-103.553151)

Sample ID: FS 20A 4' (H243906-10)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/04/2024	ND	1.99	99.5	2.00	2.10	
Toluene*	<0.050	0.050	07/04/2024	ND	2.08	104	2.00	1.52	
Ethylbenzene*	<0.050	0.050	07/04/2024	ND	2.12	106	2.00	0.805	
Total Xylenes*	<0.150	0.150	07/04/2024	ND	6.25	104	6.00	0.851	
Total BTEX	<0.300	0.300	07/04/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	108	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	07/05/2024	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	07/04/2024	ND	219	109	200	2.37	
DRO >C10-C28*	<10.0	10.0	07/04/2024	ND	214	107	200	1.42	
EXT DRO >C28-C36	<10.0	10.0	07/04/2024	ND					
Surrogate: 1-Chlorooctane	88.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	88.7	% 49.1-14	8						

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Analytical Results For:

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

Received: 06/28/2024 Reported:

07/05/2024 ROJO 10H - 13H, 34H - 37H

Project Name: Project Number: 03C2012038

Project Location: BTA (32.108028,-103.553151) Sampling Date: 06/26/2024

Sampling Type: Soil

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

Sample ID: FS 21A 3' (H243906-11)

BTEX 8021B	mg/	'kg	Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/04/2024	ND	1.99	99.5	2.00	2.10	
Toluene*	<0.050	0.050	07/04/2024	ND	2.08	104	2.00	1.52	
Ethylbenzene*	<0.050	0.050	07/04/2024	ND	2.12	106	2.00	0.805	
Total Xylenes*	<0.150	0.150	07/04/2024	ND	6.25	104	6.00	0.851	
Total BTEX	<0.300	0.300	07/04/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	108 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	368	16.0	07/05/2024	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	07/04/2024	ND	219	109	200	2.37	
DRO >C10-C28*	<10.0	10.0	07/04/2024	ND	214	107	200	1.42	
EXT DRO >C28-C36	<10.0	10.0	07/04/2024	ND					
Surrogate: 1-Chlorooctane	90.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	93.0	% 49.1-14	8						

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Celey D. Keene



Analytical Results For:

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

Received: 06/28/2024 Reported: 07/05/2024

07/05/2024 ROJO 10H - 13H, 34H - 37H

ma/ka

Project Name: ROJO 10H - 1 Project Number: 03C2012038

Project Location: BTA (32.108028,-103.553151)

Sampling Date: 06/26/2024

Sampling Type: Soil

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

Sample ID: FS 22A 3' (H243906-12)

RTFY 8021R

BIEX 8021B	mg	/ kg	Anaiyze	а ву: ЈН					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/04/2024	ND	1.99	99.5	2.00	2.10	
Toluene*	<0.050	0.050	07/04/2024	ND	2.08	104	2.00	1.52	
Ethylbenzene*	<0.050	0.050	07/04/2024	ND	2.12	106	2.00	0.805	
Total Xylenes*	<0.150	0.150	07/04/2024	ND	6.25	104	6.00	0.851	
Total BTEX	<0.300	0.300	07/04/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	109	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	448	16.0	07/05/2024	ND	416	104	400	3.92	
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	07/04/2024	ND	219	109	200	2.37	
DRO >C10-C28*	<10.0	10.0	07/04/2024	ND	214	107	200	1.42	
EXT DRO >C28-C36	<10.0	10.0	07/04/2024	ND					
Surrogate: 1-Chlorooctane	97.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	100	% 49.1-14	8						

Applyzod By: 14

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Celey D. Keene



Analytical Results For:

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

Received: 06/28/2024 Reported:

07/05/2024 ROJO 10H - 13H, 34H - 37H

Project Name: Project Number: 03C2012038

Project Location: BTA (32.108028,-103.553151) Sampling Date: 06/26/2024

Sampling Type: Soil

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

Sample ID: FS 37A 5' (H243906-13)

BTEX 8021B	mg/	'kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/04/2024	ND	1.99	99.5	2.00	2.10	
Toluene*	<0.050	0.050	07/04/2024	ND	2.08	104	2.00	1.52	
Ethylbenzene*	<0.050	0.050	07/04/2024	ND	2.12	106	2.00	0.805	
Total Xylenes*	<0.150	0.150	07/04/2024	ND	6.25	104	6.00	0.851	
Total BTEX	<0.300	0.300	07/04/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	106 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	992	16.0	07/05/2024	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	07/04/2024	ND	219	109	200	2.37	
DRO >C10-C28*	<10.0	10.0	07/04/2024	ND	214	107	200	1.42	
EXT DRO >C28-C36	<10.0	10.0	07/04/2024	ND					
Surrogate: 1-Chlorooctane	92.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	95.4	% 49.1-14	8						

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Analytical Results For:

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

Received: 06/28/2024 Reported: 07/05/2024

07/05/2024 ROJO 10H - 13H, 34H - 37H

ma/ka

Project Name: ROJO 10H - : Project Number: 03C2012038

Project Location: BTA (32.108028,-103.553151)

Sampling Date: 06/26/2024

Sampling Type: Soil

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

Sample ID: FS 38A 5' (H243906-14)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/04/2024	ND	1.99	99.5	2.00	2.10	
Toluene*	<0.050	0.050	07/04/2024	ND	2.08	104	2.00	1.52	
Ethylbenzene*	<0.050	0.050	07/04/2024	ND	2.12	106	2.00	0.805	
Total Xylenes*	<0.150	0.150	07/04/2024	ND	6.25	104	6.00	0.851	
Total BTEX	<0.300	0.300	07/04/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 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	1340	16.0	07/05/2024	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	07/04/2024	ND	219	109	200	2.37	
DRO >C10-C28*	<10.0	10.0	07/04/2024	ND	214	107	200	1.42	
EXT DRO >C28-C36	<10.0	10.0	07/04/2024	ND					
Surrogate: 1-Chlorooctane	93.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	95.7	% 49.1-14	8						

Applyzod By: 14

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Analytical Results For:

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

Received: 06/28/2024 Sampling Date: 06/26/2024

Reported: 07/05/2024 Sampling Type: Soil

Project Name: ROJO 10H - 13H, 34H - 37H Sampling Condition: Cool & Intact
Project Number: 03C2012038 Sample Received By: Shalyn Rodriguez

Analyzed By: JH

Project Location: BTA (32.108028,-103.553151)

mg/kg

Sample ID: FS 40A 5' (H243906-15)

BTEX 8021B

DILX GOZID	ıııg,	, kg	Analyzea by: 511						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/04/2024	ND	1.99	99.5	2.00	2.10	
Toluene*	<0.050	0.050	07/04/2024	ND	2.08	104	2.00	1.52	
Ethylbenzene*	<0.050	0.050	07/04/2024	ND	2.12	106	2.00	0.805	
Total Xylenes*	<0.150	0.150	07/04/2024	ND	6.25	104	6.00	0.851	
Total BTEX	<0.300	0.300	07/04/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	109	% 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	2140	16.0	07/05/2024	7/05/2024 ND		104	400	3.92	
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	07/04/2024	ND	219	109	200	2.37	
DRO >C10-C28*	<10.0	10.0	07/04/2024	ND	214	107	200	1.42	
EXT DRO >C28-C36	<10.0	10.0	07/04/2024	ND					
Surrogate: 1-Chlorooctane	85.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	86.7	% 49.1-14	8						

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Analytical Results For:

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

Received: 06/28/2024 Reported: 07/05/2024

07/05/2024 ROJO 10H - 13H, 34H - 37H

ma/ka

Project Name: ROJO 10H - : Project Number: 03C2012038

Project Location: BTA (32.108028,-103.553151)

Sampling Date: 06/26/2024

Sampling Type: Soil

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

Sample ID: FS 45A 5' (H243906-16)

RTFY 8021R

Result <0.050 <0.050 <0.050 <0.150	Reporting Limit 0.050 0.050 0.050	Analyzed 07/04/2024 07/04/2024	Method Blank ND ND	BS 1.99	% Recovery 99.5	True Value QC 2.00	RPD 2.10	Qualifier
<0.050 <0.050	0.050			1.99	99.5	2.00	2.10	
<0.050		07/04/2024	ND				2.10	
	0.050		ND	2.08	104	2.00	1.52	
<0.150		07/04/2024	ND	2.12	106	2.00	0.805	
	0.150	07/04/2024	ND	6.25	104	6.00	0.851	
<0.300	0.300	07/04/2024	ND					
109	% 71.5-13	4						
mg/	'kg	Analyze	d By: AC					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
2110	16.0	07/05/2024	ND	416	104	400	3.92	
mg/	'kg	Analyze	d By: MS					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<10.0	10.0	07/04/2024	ND	219	109	200	2.37	
<10.0	10.0	07/04/2024	ND	214	107	200	1.42	
<10.0	10.0	07/04/2024	ND					
103 5	% 48.2-13	4						
105 9	% 49.1-14	8						
	<0.300 109 9 mg/ Result 2110 mg/ Result <10.0 <10.0 103 9	<0.300 109 % 71.5-13 mg/ky Result Reporting Limit 2110 16.0 mg/ky Result Reporting Limit <10.0 10.0 <10.0 10.0 <10.0 10.0 <10.0 10.0 <10.0 10.0	<0.300 0.300 07/04/2024 Result Reporting Limit Analyzed Majering Limit Maje	<0.300 07/04/2024 ND 109 % 71.5-134 mg/kg Analyzed By: AC Result Reporting Limit Analyzed By: MS Result Reporting Limit Analyzed Method Blank <10.0	<0.300 07/04/2024 ND 109 % 71.5-134 mg/ky Analyzed By: AC Result Reporting Limit Analyzed By: MS Result Reporting Limit Analyzed Method Blank BS <10.0	< 0.300 07/04/2024 ND 109 % 71.5-134 mg/ky Analyzed By: AC Result Reporting Limit 16.0 07/05/2024 ND 416 104 mg/ky Analyzed By: MS Result Reporting Limit Analyzed Method Blank BS % Recovery <10.0	< 0.300 07/04/2024 ND 109 % 71.5-134 mg/kg Analyzed By: AC Result Reporting Limit Analyzed By: MS % Recovery True Value QC Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC <10.0	< 0.300 07/04/2024 ND 109

Applyzod By: 14

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Notes and Definitions

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

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

*** Insufficient time to reach temperature.

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

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

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Celeg D. Freene

7.401



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

(5/5) 353-2320	FAA (3/3) 393-24/0						
Company Name: Ensolum, LLC			BILL TO		ANALYSIS	REQUEST	-
Project Manager: Had I'c	Green		P.O. #:				_
Mar.	Parks Hw	4	Company: BTA D:1 9	Oil Produces			
2	M	ZIp: 88220	Attn: Ray Ramos				
Phone #: 432557 8845	3,54,7	.53	Address:				
Project #: 03C 2012 038	Project Owner:		City:				
Project Name: (00 10-13	H,34-371	۲	State: Zip:				
Project Location: 32-103028	8,-103.5531	3151	Phone #:				
Sampler Name: () (E San	tillana		Fax#:				
	\neg	MATRIX	PRESERV. SAM	SAMPLING			
Lab I.D. Sample I.D.	Depth (feet)	E)RAB OR (C)OME CONTAINERS ROUNDWATER ASTEWATER DIL IL LUDGE	THER: CID/BASE: SE/COOL THER:	Chloride BTEX	TPH		
Swo6	0-5'	1 ×	×	1012 XX X			
40ms C	0-4.		1 6/27/24	1016			
N FS HA	ν		42/42/9	-			
d F5 43A	5/		42/12/9	1058			
S F530A	4'		42/12/3	-			
0 FS 31A	4'		12/21/9	13/8			
							7
							L
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Relinquished By:	Date:	Rece	Mad Rionell	ult:	□ Yes □ No Add'l Phone #: mailed. Please provide Email addres e へらうしか、このへ	S	
Relinquished By:	Date:	Received By:		REMARKS: Incident # : nA (P2313055442	#: nA (P23130	55442	
	Time:				4	Cooks Sample Condition	
Delivered By: (Circle One)	Observed Temp. °C 2-8-	-	dition CHECKED BY:	me:		Bacteria (only) Sample Condition Cool Intact Observed Temp. °C	
Sampler - UPS - Bus - Other:	Corrected Temp. *C	Yes A Yes	2	Correction Factor 45°C		Yes	

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST



101 East Marland, Hobbs, NM 88240

(575) 393-2326	(575) 393-2326 FAX (575) 393-2476	476		
ompany Name: Ensolum, LLC			BILL TO	ANALYSIS REQUEST
roject Manager: Hadlie G	reen		P.O. #:	
ddress: 3122 National	10000		Company: STA 0:1 Produces	reducers
ity: Carlsbad	State: UM	Zib: 88550	Attn: Ray Ramos	5
hone #: 432 5578895	Fax #:		Address:	
roject #: 03C2012038		ח	City:	
=	34	7	State: Zip:	
roject Location: 3 2 . 1080 28	8,-103.553151	3151	Phone #:	
iampler Name: Or cl Swit:	In			
	- 1	MATRIX	PRESERV. SAMPLING	
Lab I.D. Sample I.D.	Depth (feet)	(G)RAB OR (C)OMP # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE	OTHER: ACID/BASE: ICE / COOL OTHER:	CHIOCIC BTEX TPH
7 FS184	4'	2 X		1424 X X X TShi
5 65190	4'		6/25/24	IH36
5005	0-4.		H2/52/9	1545
10 F520A	Ч′		12/02/9	1137
N1254	υį		12/92/9	170
12 PS 22 A	ń		6/26/29	
13 F5 37A	5,		6/26/24	1300
14 F5 38 A	5,		6/26/24	1702
F540	5,		6/26/24	1452
No 6545A	Z,	-	1 6/26/24	1499 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
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Relinquished By:	Date:	Received	By:	Verbal Result: □ Yes □ No Add'l Phone #: All Results are emailed. Please provide Email address:
Monardo		2882	guel	hgreen@ensolum.com
Relinquished By:	Date:	Received By:	7	Incident #: nAPP 2313055442
Delivered By: (Circle One)	Observed Temp. *C 2 8	Sample Condition Cool_Intact	dition CHECKED BY:	
Sampler - UPS - Bus - Other:	Corrected Temp. *		×	□ Yes □ Yes □ No

Page 20 of 20

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July 15, 2024

HADLIE GREEN

ENSOLUM

3122 NATIONAL PARKS HWY

CARLSBAD, NM 88220

RE: ROJO 10H - 13H, 34H - 37H

Enclosed are the results of analyses for samples received by the laboratory on 07/09/24 15:02.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/ga/lab 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 3122 NATIONAL PARKS HWY Project: ROJO 10H - 13H, 34H - 37H

Reported: 15-Jul-24 13:59

CARLSBAD NM, 88220

Project Number: 03C2012038 Project Manager: HADLIE GREEN

Fax To:

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
FS23A 3'	H244090-01	Soil	09-Jul-24 10:30	09-Jul-24 15:02
FS24A 4'	H244090-02	Soil	09-Jul-24 10:32	09-Jul-24 15:02
FS25A 4'	H244090-03	Soil	09-Jul-24 10:35	09-Jul-24 15:02
FS26A 4'	H244090-04	Soil	09-Jul-24 10:37	09-Jul-24 15:02
FS27A 4'	H244090-05	Soil	09-Jul-24 10:40	09-Jul-24 15:02
FS28A 4'	H244090-06	Soil	09-Jul-24 10:42	09-Jul-24 15:02
FS29A 4'	H244090-07	Soil	09-Jul-24 10:45	09-Jul-24 15:02
FS42A 5'	H244090-08	Soil	09-Jul-24 12:12	09-Jul-24 15:02
FS56A 4'	H244090-09	Soil	09-Jul-24 12:16	09-Jul-24 15:02
FS57A 4'	H244090-10	Soil	09-Jul-24 12:18	09-Jul-24 15:02
FS58A 4'	H244090-11	Soil	09-Jul-24 12:20	09-Jul-24 15:02
SW10 0-4'	H244090-12	Soil	09-Jul-24 12:53	09-Jul-24 15:02

Samples received the same day of sampling on ice. Not enough time for samples to get to temperature of 6C or less.

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Analytical Results For:

ENSOLUM 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Project: ROJO 10H - 13H, 34H - 37H

Project Number: 03C2012038

Project Manager: HADLIE GREEN

Fax To:

Reported: 15-Jul-24 13:59

FS23A 3' H244090-01 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	al Laborat	ories					
Inorganic Compounds										
Chloride	32.0		16.0	mg/kg	4	4071145	CT	11-Jul-24	4500-Cl-B	
Volatile Organic Compounds by	EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	4071103	JH	13-Jul-24	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	4071103	JH	13-Jul-24	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4071103	JH	13-Jul-24	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	4071103	JH	13-Jul-24	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	4071103	JH	13-Jul-24	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			103 %	71.5	-134	4071103	JH	13-Jul-24	8021B	
Petroleum Hydrocarbons by GC	FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4071021	MS	11-Jul-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4071021	MS	11-Jul-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4071021	MS	11-Jul-24	8015B	
Surrogate: 1-Chlorooctane			108 %	48.2	-134	4071021	MS	11-Jul-24	8015B	
Surrogate: 1-Chlorooctadecane			121 %	49.1	-148	4071021	MS	11-Jul-24	8015B	

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Analytical Results For:

ENSOLUM 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Project: ROJO 10H - 13H, 34H - 37H

Project Number: 03C2012038

Project Manager: HADLIE GREEN

Fax To:

Reported: 15-Jul-24 13:59

FS24A 4' H244090-02 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Laborat	tories					
Inorganic Compounds										
Chloride	208		16.0	mg/kg	4	4071145	CT	11-Jul-24	4500-Cl-B	
Volatile Organic Compound	s by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	4071103	JH	13-Jul-24	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	4071103	JH	13-Jul-24	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4071103	JH	13-Jul-24	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	4071103	JH	13-Jul-24	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	4071103	JH	13-Jul-24	8021B	
Surrogate: 4-Bromofluorobenzene (P	ID)		102 %	71.5	-134	4071103	JH	13-Jul-24	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4071021	MS	11-Jul-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4071021	MS	11-Jul-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4071021	MS	11-Jul-24	8015B	
Surrogate: 1-Chlorooctane			111 %	48.2	-134	4071021	MS	11-Jul-24	8015B	
Surrogate: 1-Chlorooctadecane			126 %	49.1	-148	4071021	MS	11-Jul-24	8015B	

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Analytical Results For:

ENSOLUM 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Project: ROJO 10H - 13H, 34H - 37H

Project Number: 03C2012038

Project Manager: HADLIE GREEN

Fax To:

Reported: 15-Jul-24 13:59

FS25A 4' H244090-03 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	al Laborat	ories					
Inorganic Compounds										
Chloride	384		16.0	mg/kg	4	4071145	CT	11-Jul-24	4500-Cl-B	
Volatile Organic Compound	s by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	4071103	JH	13-Jul-24	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	4071103	JH	13-Jul-24	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4071103	JH	13-Jul-24	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	4071103	JH	13-Jul-24	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	4071103	JH	13-Jul-24	8021B	
Surrogate: 4-Bromofluorobenzene (P.	ID)		102 %	71.5	-134	4071103	ЈН	13-Jul-24	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4071021	MS	11-Jul-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4071021	MS	11-Jul-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4071021	MS	11-Jul-24	8015B	
Surrogate: 1-Chlorooctane			107 %	48.2	-134	4071021	MS	11-Jul-24	8015B	
Surrogate: 1-Chlorooctadecane			125 %	49.1	-148	4071021	MS	11-Jul-24	8015B	

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Analytical Results For:

ENSOLUM 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Project: ROJO 10H - 13H, 34H - 37H

Project Number: 03C2012038

Project Manager: HADLIE GREEN

Fax To:

Reported: 15-Jul-24 13:59

FS26A 4' H244090-04 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardin	al Laborat	tories					
Inorganic Compounds										
Chloride	464		16.0	mg/kg	4	4071120	AC	11-Jul-24	4500-Cl-B	
Volatile Organic Compound	s by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	4071103	JH	13-Jul-24	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	4071103	JH	13-Jul-24	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4071103	JH	13-Jul-24	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	4071103	JH	13-Jul-24	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	4071103	JH	13-Jul-24	8021B	
Surrogate: 4-Bromofluorobenzene (P	ID)		103 %	71.5	-134	4071103	JH	13-Jul-24	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4071021	MS	11-Jul-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4071021	MS	11-Jul-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4071021	MS	11-Jul-24	8015B	
Surrogate: 1-Chlorooctane			103 %	48.2	-134	4071021	MS	11-Jul-24	8015B	
Surrogate: 1-Chlorooctadecane			119 %	49.1	-148	4071021	MS	11-Jul-24	8015B	

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

ENSOLUM 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Project: ROJO 10H - 13H, 34H - 37H

Project Number: 03C2012038

Project Manager: HADLIE GREEN

Fax To:

Reported: 15-Jul-24 13:59

FS27A 4' H244090-05 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	1840		16.0	mg/kg	4	4071120	AC	11-Jul-24	4500-Cl-B	
Volatile Organic Compound	s by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	4071103	JH	13-Jul-24	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	4071103	JH	13-Jul-24	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4071103	JH	13-Jul-24	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	4071103	JH	13-Jul-24	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	4071103	JH	13-Jul-24	8021B	
Surrogate: 4-Bromofluorobenzene (Pl	TD)		102 %	71.5	-134	4071103	ЈН	13-Jul-24	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4071021	MS	11-Jul-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4071021	MS	11-Jul-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4071021	MS	11-Jul-24	8015B	
Surrogate: 1-Chlorooctane			103 %	48.2	-134	4071021	MS	11-Jul-24	8015B	
Surrogate: 1-Chlorooctadecane			117 %	49.1	-148	4071021	MS	11-Jul-24	8015B	

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Analytical Results For:

ENSOLUM 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Project: ROJO 10H - 13H, 34H - 37H

Project Number: 03C2012038

Project Manager: HADLIE GREEN

Fax To:

Reported: 15-Jul-24 13:59

FS28A 4' H244090-06 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Laborat	tories					
Inorganic Compounds										
Chloride	4080		16.0	mg/kg	4	4071120	AC	11-Jul-24	4500-Cl-B	
Volatile Organic Compound	s by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	4071103	JH	13-Jul-24	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	4071103	JH	13-Jul-24	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4071103	JH	13-Jul-24	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	4071103	JH	13-Jul-24	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	4071103	JH	13-Jul-24	8021B	
Surrogate: 4-Bromofluorobenzene (P.	ID)		103 %	71.5	-134	4071103	JH	13-Jul-24	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4071021	MS	11-Jul-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4071021	MS	11-Jul-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4071021	MS	11-Jul-24	8015B	
Surrogate: 1-Chlorooctane			105 %	48.2	-134	4071021	MS	11-Jul-24	8015B	
Surrogate: 1-Chlorooctadecane			120 %	49.1	-148	4071021	MS	11-Jul-24	8015B	

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Analytical Results For:

ENSOLUM 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Project: ROJO 10H - 13H, 34H - 37H

Project Number: 03C2012038

Project Manager: HADLIE GREEN

Fax To:

Reported: 15-Jul-24 13:59

FS29A 4' H244090-07 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Laborat	tories					
Inorganic Compounds										
Chloride	6000		16.0	mg/kg	4	4071120	AC	11-Jul-24	4500-Cl-B	
Volatile Organic Compound	s by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	4071103	JH	13-Jul-24	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	4071103	JH	13-Jul-24	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4071103	JH	13-Jul-24	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	4071103	JH	13-Jul-24	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	4071103	JH	13-Jul-24	8021B	
Surrogate: 4-Bromofluorobenzene (Pl	(D)		103 %	71.5	-134	4071103	JH	13-Jul-24	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4071021	MS	11-Jul-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4071021	MS	11-Jul-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4071021	MS	11-Jul-24	8015B	
Surrogate: 1-Chlorooctane			106 %	48.2	-134	4071021	MS	11-Jul-24	8015B	
Surrogate: 1-Chlorooctadecane			120 %	49.1	-148	4071021	MS	11-Jul-24	8015B	

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Analytical Results For:

ENSOLUM 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Project: ROJO 10H - 13H, 34H - 37H

Project Number: 03C2012038

Project Manager: HADLIE GREEN

Fax To:

Reported: 15-Jul-24 13:59

FS42A 5' H244090-08 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Laborat	ories					
Inorganic Compounds										
Chloride	3920		16.0	mg/kg	4	4071120	AC	11-Jul-24	4500-Cl-B	
Volatile Organic Compounds by	EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	4071104	JН	13-Jul-24	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	4071104	JH	13-Jul-24	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4071104	JH	13-Jul-24	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	4071104	JH	13-Jul-24	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	4071104	JH	13-Jul-24	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			112 %	71.5	-134	4071104	JH	13-Jul-24	8021B	
Petroleum Hydrocarbons by GC	FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4071021	MS	11-Jul-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4071021	MS	11-Jul-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4071021	MS	11-Jul-24	8015B	
Surrogate: 1-Chlorooctane			103 %	48.2	-134	4071021	MS	11-Jul-24	8015B	
Surrogate: 1-Chlorooctadecane			116 %	49.1	-148	4071021	MS	11-Jul-24	8015B	

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Analytical Results For:

ENSOLUM 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Project: ROJO 10H - 13H, 34H - 37H

Project Number: 03C2012038

Project Manager: HADLIE GREEN

Fax To:

Reported: 15-Jul-24 13:59

FS56A 4' H244090-09 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	208		16.0	mg/kg	4	4071120	AC	11-Jul-24	4500-Cl-B	
Volatile Organic Compound	s by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	4071104	JH	13-Jul-24	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	4071104	JH	13-Jul-24	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4071104	JH	13-Jul-24	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	4071104	JH	13-Jul-24	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	4071104	JH	13-Jul-24	8021B	
Surrogate: 4-Bromofluorobenzene (P.	TD)		113 %	71.5	-134	4071104	JH	13-Jul-24	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4071021	MS	11-Jul-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4071021	MS	11-Jul-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4071021	MS	11-Jul-24	8015B	
Surrogate: 1-Chlorooctane			96.7 %	48.2	-134	4071021	MS	11-Jul-24	8015B	
Surrogate: 1-Chlorooctadecane			109 %	49.1	-148	4071021	MS	11-Jul-24	8015B	

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

ENSOLUM 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Project: ROJO 10H - 13H, 34H - 37H

Project Number: 03C2012038

Project Manager: HADLIE GREEN

Fax To:

Reported: 15-Jul-24 13:59

FS57A 4' H244090-10 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	528		16.0	mg/kg	4	4071120	AC	11-Jul-24	4500-Cl-B	
Volatile Organic Compounds	by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	4071104	JH	13-Jul-24	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	4071104	JH	13-Jul-24	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4071104	JH	13-Jul-24	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	4071104	JH	13-Jul-24	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	4071104	JH	13-Jul-24	8021B	
Surrogate: 4-Bromofluorobenzene (PIL))		110 %	71.5	-134	4071104	JH	13-Jul-24	8021B	
Petroleum Hydrocarbons by C	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4071021	MS	11-Jul-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4071021	MS	11-Jul-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4071021	MS	11-Jul-24	8015B	
Surrogate: 1-Chlorooctane			99.0 %	48.2	-134	4071021	MS	11-Jul-24	8015B	
Surrogate: 1-Chlorooctadecane			111 %	49.1	-148	4071021	MS	11-Jul-24	8015B	

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

ENSOLUM 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Project: ROJO 10H - 13H, 34H - 37H

Project Number: 03C2012038

Project Manager: HADLIE GREEN

Fax To:

Reported: 15-Jul-24 13:59

FS58A 4' H244090-11 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	1730		16.0	mg/kg	4	4071120	AC	11-Jul-24	4500-Cl-B	
Volatile Organic Compounds	s by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	4071104	JН	13-Jul-24	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	4071104	JH	13-Jul-24	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4071104	JH	13-Jul-24	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	4071104	JH	13-Jul-24	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	4071104	JH	13-Jul-24	8021B	
Surrogate: 4-Bromofluorobenzene (Pl	TD)		110 %	71.5	-134	4071104	JH	13-Jul-24	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4071021	MS	11-Jul-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4071021	MS	11-Jul-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4071021	MS	11-Jul-24	8015B	
Surrogate: 1-Chlorooctane			99.7 %	48.2	-134	4071021	MS	11-Jul-24	8015B	
Surrogate: 1-Chlorooctadecane			113 %	49.1	-148	4071021	MS	11-Jul-24	8015B	

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Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

ENSOLUM 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Project: ROJO 10H - 13H, 34H - 37H

Project Number: 03C2012038

Project Manager: HADLIE GREEN

Fax To:

Reported: 15-Jul-24 13:59

SW10 0-4' H244090-12 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	192		16.0	mg/kg	4	4071120	AC	11-Jul-24	4500-Cl-B	
Volatile Organic Compounds by	EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	4071104	JН	13-Jul-24	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	4071104	JH	13-Jul-24	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4071104	JH	13-Jul-24	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	4071104	JH	13-Jul-24	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	4071104	JH	13-Jul-24	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			113 %	71.5	-134	4071104	JH	13-Jul-24	8021B	
Petroleum Hydrocarbons by Go	C FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4071021	MS	11-Jul-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4071021	MS	11-Jul-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4071021	MS	11-Jul-24	8015B	
Surrogate: 1-Chlorooctane			108 %	48.2	-134	4071021	MS	11-Jul-24	8015B	
Surrogate: 1-Chlorooctadecane			122 %	49.1	-148	4071021	MS	11-Jul-24	8015B	

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Celey D. Keene



Analytical Results For:

ENSOLUM 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Project: ROJO 10H - 13H, 34H - 37H

Project Number: 03C2012038

Project Manager: HADLIE GREEN

Fax To:

Reported: 15-Jul-24 13:59

Inorganic Compounds - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
	Result	Limit	Cilits	Level	Result	/UKEC	Limits	KI D	Lillit	110108
Batch 4071120 - 1:4 DI Water										
Blank (4071120-BLK1)				Prepared &	Analyzed:	11-Jul-24				
Chloride	ND	16.0	mg/kg							
LCS (4071120-BS1)				Prepared &	Analyzed:	11-Jul-24				
Chloride	416	16.0	mg/kg	400		104	80-120			
LCS Dup (4071120-BSD1)				Prepared &	Analyzed:	11-Jul-24				
Chloride	432	16.0	mg/kg	400		108	80-120	3.77	20	
Batch 4071145 - 1:4 DI Water										
Blank (4071145-BLK1)				Prepared &	Analyzed:	11-Jul-24				
Chloride	ND	16.0	mg/kg							
LCS (4071145-BS1)				Prepared &	Analyzed:	11-Jul-24				
Chloride	416	16.0	mg/kg	400		104	80-120			
LCS Dup (4071145-BSD1)				Prepared &	z Analyzed:	11-Jul-24				
Chloride	432	16.0	mg/kg	400		108	80-120	3.77	20	

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Analytical Results For:

ENSOLUM 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Project: ROJO 10H - 13H, 34H - 37H

Reported: 15-Jul-24 13:59

Project Number: 03C2012038

Project Manager: HADLIE GREEN

Fax To:

Volatile Organic Compounds by EPA Method 8021 - Quality Control

Cardinal Laboratories

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
D-4-1-4071102 V-1-43										

Daten	40/1103 -	voiatiles

Blank (4071103-BLK1)				Prepared: 11-Jul-	-24 Analyzed: 13	3-Jul-24			
Benzene	ND	0.050	mg/kg						
Toluene	ND	0.050	mg/kg						
Ethylbenzene	ND	0.050	mg/kg						
Total Xylenes	ND	0.150	mg/kg						
Total BTEX	ND	0.300	mg/kg						
Surrogate: 4-Bromofluorobenzene (PID)	0.0515		mg/kg	0.0500	103	71.5-134			
LCS (4071103-BS1)				Prepared: 11-Jul-	-24 Analyzed: 13	3-Jul-24			
Benzene	2.04	0.050	mg/kg	2.00	102	82.8-130			
Toluene	2.01	0.050	mg/kg	2.00	101	86-128			
Ethylbenzene	2.04	0.050	mg/kg	2.00	102	85.9-128			
m,p-Xylene	4.04	0.100	mg/kg	4.00	101	89-129			
o-Xylene	2.02	0.050	mg/kg	2.00	101	86.1-125			
Total Xylenes	6.05	0.150	mg/kg	6.00	101	88.2-128			
Surrogate: 4-Bromofluorobenzene (PID)	0.0525		mg/kg	0.0500	105	71.5-134			
LCS Dup (4071103-BSD1)				Prepared: 11-Jul-	-24 Analyzed: 13	3-Jul-24			
Benzene	1.90	0.050	mg/kg	2.00	95.1	82.8-130	6.91	15.8	
Toluene	1.89	0.050	mg/kg	2.00	94.5	86-128	6.45	15.9	
Ethylbenzene	1.92	0.050	mg/kg	2.00	95.8	85.9-128	6.44	16	
m,p-Xylene	3.78	0.100	mg/kg	4.00	94.5	89-129	6.52	16.2	
o-Xylene	1.88	0.050	mg/kg	2.00	94.0	86.1-125	7.04	16.7	
Total Xylenes	5.66	0.150	mg/kg	6.00	94.3	88.2-128	6.69	16.3	
Surrogate: 4-Bromofluorobenzene (PID)	0.0517		mg/kg	0.0500	103	71.5-134			

Batch 4071104 - Volatiles

Blank (4071104-BLK1)		Prepared: 11-Jul-24 Analyzed: 13-Jul-24	
Benzene	ND	0.050 mg/kg	
Toluene	ND	0.050 mg/kg	
Ethylbenzene	ND	0.050 mg/kg	
Total Xylenes	ND	0.150 mg/kg	

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Celey D. Keene, Lab Director/Quality Manager



%REC

71.5-134

104

Analytical Results For:

ENSOLUM 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Project: ROJO 10H - 13H, 34H - 37H

Project Number: 03C2012038

Project Manager: HADLIE GREEN

Spike

0.0500

Source

Fax To:

Reported: 15-Jul-24 13:59

RPD

Volatile Organic Compounds by EPA Method 8021 - Quality Control

Cardinal Laboratories

Reporting

0.0521

Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 4071104 - Volatiles										
Blank (4071104-BLK1)				Prepared: 1	1-Jul-24 A	nalyzed: 13	-Jul-24			
Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	0.0557		mg/kg	0.0500		111	71.5-134			
LCS (4071104-BS1)				Prepared: 1	1-Jul-24 A	nalyzed: 13	-Jul-24			
Benzene	2.12	0.050	mg/kg	2.00		106	82.8-130			
Toluene	2.28	0.050	mg/kg	2.00		114	86-128			
Ethylbenzene	2.32	0.050	mg/kg	2.00		116	85.9-128			
m,p-Xylene	4.84	0.100	mg/kg	4.00		121	89-129			
o-Xylene	2.29	0.050	mg/kg	2.00		115	86.1-125			
Total Xylenes	7.13	0.150	mg/kg	6.00		119	88.2-128			
Surrogate: 4-Bromofluorobenzene (PID)	0.0523		mg/kg	0.0500		105	71.5-134			
LCS Dup (4071104-BSD1)				Prepared: 1	1-Jul-24 A	nalyzed: 13	3-Jul-24			
Benzene	2.03	0.050	mg/kg	2.00		101	82.8-130	4.48	15.8	
Toluene	2.19	0.050	mg/kg	2.00		110	86-128	3.83	15.9	
Ethylbenzene	2.24	0.050	mg/kg	2.00		112	85.9-128	3.36	16	
m,p-Xylene	4.71	0.100	mg/kg	4.00		118	89-129	2.72	16.2	
o-Xylene	2.23	0.050	mg/kg	2.00		112	86.1-125	2.86	16.7	
Total Xylenes	6.94	0.150	mg/kg	6.00		116	88.2-128	2.77	16.3	

mg/kg

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Celey D. Keene

Surrogate: 4-Bromofluorobenzene (PID)

Celey D. Keene, Lab Director/Quality Manager



%REC

Analytical Results For:

ENSOLUM 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Project: ROJO 10H - 13H, 34H - 37H

Project Number: 03C2012038

Spike

50.0

104

49.1-148

Source

Project Manager: HADLIE GREEN

Fax To:

Reported: 15-Jul-24 13:59

RPD

Petroleum Hydrocarbons by GC FID - Quality Control

Cardinal Laboratories

Reporting

52.0

		reporting		Spine	Source		, or the		1112	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 4071021 - General Prep - Organics										
Blank (4071021-BLK1)				Prepared:	10-Jul-24 A	nalyzed: 11	l-Jul-24			
GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	46.8		mg/kg	50.0		93.7	48.2-134			
Surrogate: 1-Chlorooctadecane	54.7		mg/kg	50.0		109	49.1-148			
LCS (4071021-BS1)				Prepared:	10-Jul-24 A	nalyzed: 11	l-Jul-24			
GRO C6-C10	188	10.0	mg/kg	200		93.8	66.4-123			
DRO >C10-C28	189	10.0	mg/kg	200		94.5	66.5-118			
Total TPH C6-C28	377	10.0	mg/kg	400		94.1	77.6-123			
Surrogate: 1-Chlorooctane	48.2		mg/kg	50.0		96.5	48.2-134			
Surrogate: 1-Chlorooctadecane	51.4		mg/kg	50.0		103	49.1-148			
LCS Dup (4071021-BSD1)				Prepared:	10-Jul-24 A	nalyzed: 11	l-Jul-24			
GRO C6-C10	188	10.0	mg/kg	200		94.2	66.4-123	0.432	17.7	
DRO >C10-C28	184	10.0	mg/kg	200		92.2	66.5-118	2.44	21	
Total TPH C6-C28	373	10.0	mg/kg	400		93.2	77.6-123	1.00	18.5	
Surrogate: 1-Chlorooctane	49.3		mg/kg	50.0		98.6	48.2-134			

mg/kg

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Celeg D. Keene

Surrogate: 1-Chlorooctadecane



Notes and Definitions

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

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

*** Insufficient time to reach temperature.

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

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

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Celey D. Keene

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST



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

	(010) 000-2020	1000 0000					
Company Name: Ensolum, LLC	: Ensolum, LLC			BILL TO		ANALYSIS RE	REQUEST
Project Manager:	Hadlie Green			P.O. #:			
Address: 312	31212 National Parks Hwy	vy		Company: BTA Oil Producers	roducers		
City: Carlsbad	ad	State: NM	Zip: 88220	Attn: Ray Ramos			
Phone #: 432	4325578895	Fax #:		Address:			
Project #: 03	03C2012038	Project Owner:		City:			
Project Name:	Rojo 10-13H, 34-37H	1500		State: Zip:			
Project Location:	n: 32.108028,-103.553151	3.553151		Phone #:			
Sampler Name:	Uriel Santillana			Fax #:			
FOR LAB USE ONLY			MATRIX	PRESERV. SAM			
Lab I.D.	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMF # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE	OTHER: ACID/BASE: ICE / COOL OTHER:	Chlorid TPH BTEX	X) () ()	
-	F523A	3′	1	×	1030 XXX		
U	F524A	4		-	1032		
3	FS 25 A	4			1035		
τ.	FS 26 A	4			1037		
N-	Y + 2 54	4			1040		
6	F528A	4			1042		
7	FS 29 A	4			1045		
N	F SHZA	2			1212		
٩	F556A	4,			1216		
/0	FSS7A	4′		1 1	1218		
PLEASE NOTE: Liability and Dam analyses. All claims including those service. In no event shall Cardinal artificiates of the property of the pr	d Damages. Cardinal's liability and those for negligence and any of ardinal be liable for incidental or ox	d client's exclusive remedy for an ther cause whatsoever shall be on the cause whatsoever shall be on the cause whatsoever shall be on the cause of sections.	PLEASE NOTE: Liability and Damague. Cardinal's liability and client's sociusive remody for any claim straing whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable and any other claims including those for negligence and any other cause whatsoever shall be deemed waived unless and made in writing and received within 30 days after completion of the applicable strained and the shall be a shall be	t or tort, shall be limited to the amount paid d received by Cardinal within 30 days after loss of use, or loss of profits incurred by a late based upon a your of the above stated as	amount paid by the client for the 30 days after completion of the applicable 50 days after completion of the applicable settled reasons or offendation.		
Relinquished By	By:	Date: 7/9/24	ate: 1/9/2시 Received By:		Verbal Result: ☐ Yes ☐ No ☐ Add'l Phone #: All Results are emailed. Please provide Email address:	☐ No Add'I Phone #: ase provide Email address:	
Ulawa	_	150 7	apana		Hgreen@ensolum.com		
Relinquished By:	7	Date: Time:	Received By:		Incident #: nAPP2313055442	2	
Delivered By: (Circle One) Sampler - UPS - Bus - Other:		Corrected Temp CC	Sample Condition Cool Intact	tion CHECKED BY: (Initials)	Turnaround Time: Stand	ard □⊠	Bacteria (only) Sample Condition Cool Intact Observed Temp. °C
				-			1

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST



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

		/					
Company Name: Ensolum, LLC	solum, LLC			BILL TO		ANALYSIS REQUEST	
Project Manager:	Hadlie Green			P.O. #:			
Address: 31212 N	31212 National Parks Hwy			Company: BTA Oil Producers	oducers		
City: Carlsbad		State: NM	Zip: 88220	70			
Phone #: 4325578895	895	Fax #:		Address:			
Project #: 03C2012038	2038	Project Owner:		City:			
Project Name: Roj	Rojo 10-13H, 34-37H			State: Zip:			
Project Location:	32.108028,-103.553151	53151		Phone #:			_
	Uriel Santillana			Fax #:	2		
FOR LAB USE ONLY			MATRIX	PRESERV. SAMPLING	194		
Lab I.D. S	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMF # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE	OTHER: ACID/BASE: ICE/COOL OTHER:	Chlor TPH BTEX		
	-888A	٩/	X	×	1220 XXX		
D	01 mg	0-4	C 1 X	12/6/k	1253 X X X		
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LEASE NOTE: Liability and Dama naityses. All claims including those ervice. In no event shall Cardinal to ffliction or suppressors arising out of	ges. Cardinal's liability and clia for negligence and any other e liable for incidental or conse for related to the performance	ent's exclusive remedy for an cause whatsoever shall be de quental damages, including to of services harmander by Ca	**************************************	or tort, shall be limited to the amount paid received by Cardinal within 30 days after ass of use, or loss of profits incurred by cl	by the client for the completion of the applicable ent. Its subsidiaries, sons or offencies.		
Relinquished By:		Date: 7/24	Received By:	The object when the believe about the first one down to writing the	Verbal Result: ☐ Yes ☐ No Add'I Phone #: All Results are emailed. Please provide Email address:	o Add'I Phone #: provide Email address:	
Relinquished By:		Date:	appero	U	Hgreen@ensolum.com		
		Time:			Incident #: nAPP2313055442		
Delivered By: (Circle One)		Observed Temp. Sc.		on CHECKED BY: (Initials)	Turnaround Time: Standard		.,
Sampler - UPS - Bus - Other:		Treated Temp. Toca	DYes DYes		Thermometer ID #43 +	☐ Yes ☐ Yes	

From: Hadlie Green
To: Wells, Shelly, EMNRD

Subject: [EXTERNAL] RE: NAPP2313055442 ROJO 10H-13H, 24H-37H

Date: Thursday, August 1, 2024 7:19:51 AM

Attachments: image001.png

image002.png image003.png image004.png

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

Howdy Shelly,

SW16, SW17, and SW18 were collected from a bench in the excavation. Some of the areas were sloped so the sidewalls were less than 4 feet bgs. The * denotes all samples off pad until 4 feet bgs. All sidewalls off pad should have a * and all samples excluding the 4 foot sample depths should have a * to denote the Reclamation Requirements. There may have been a few * missed during the reviews.

I hope this helps!



Hadlie Green

Project Geologist 432-557-8895 hgreen@ensolum.com Ensolum, LLC in f

From: Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>

Sent: Wednesday, July 31, 2024 4:58 PM **To:** Hadlie Green hgreen@ensolum.com

Subject: NAPP2313055442 ROJO 10H-13H, 24H-37H

[**EXTERNAL EMAIL**]

Hi Hadlie,

I am reviewing the submitted remediation closure report for NAPP2313055442 ROJO 10H-13H, 24H-37H and had a few questions for you regarding the remediation. In the report it says SW16, SW17 and SW18 were collected from 0-1 feet however the floor samples in that part of the excavation say they were collected at 4'. Can you explain this? Also the * is used in Table 1 beside some of the samples collected off pad and not others. Areas not reasonably needed for production or drilling activities will need to be reclaimed and revegetated as early as practicable. Is there a reason it is used beside some of the samples off pad but not others?

I look forward to hearing what you have to say,

Shelly

Shelly Wells * Environmental Specialist-Advanced Environmental Bureau
EMNRD-Oil Conservation Division
1220 S. St. Francis Drive|Santa Fe, NM 87505
(505)469-7520|Shelly.Wells@emnrd.nm.gov
http://www.emnrd.state.nm.us/OCD/

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

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

QUESTIONS

Action 368057

QUESTIONS

Operator:	OGRID:
BTA OIL PRODUCERS, LLC	260297
104 S Pecos	Action Number:
Midland, TX 79701	368057
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites		
Incident ID (n#)	nAPP2313055442	
Incident Name	NAPP2313055442 ROJO 10H-13H, 24H-37H @ 0	
Incident Type	Produced Water Release	
Incident Status	Remediation Closure Report Received	
Incident Facility	[fAPP2130133926] Rojo 10-13 34-37	

Location of Release Source	
Please answer all the questions in this group.	
Site Name	ROJO 10H-13H, 24H-37H
Date Release Discovered	04/27/2023
Surface Owner	Private

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

Nature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications for	or the volumes provided should be attached to the follow-up C-141 submission.
Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Equipment Failure Pipeline (Any) Produced Water Released: 650 BBL Recovered: 130 BBL Lost: 520 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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

QUESTIONS, Page 2

Action 368057

1220 S. St Francis Dr., Santa Fe, NM 8/505 Phone:(505) 476-3470 Fax:(505) 476-3462		
QUESTIONS (continued)		
Operator: BTA OIL PRODUCERS, LLC 104 S Pecos Midland, TX 79701	OGRID: 260297 Action Number: 368057 Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)	
QUESTIONS		
Nature and Volume of Release (continued)		
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.	
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Yes	
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.	
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e.	e. gas only) are to be submitted on the C-129 form.	
Initial Response The responsible party must undertake the following actions immediately unless they could create a s	afety hazard that would result in injury.	
The source of the release has been stopped	True	
The impacted area has been secured to protect human health and the environment	True	
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True	
All free liquids and recoverable materials have been removed and managed appropriately	True	
If all the actions described above have not been undertaken, explain why	Not answered.	
Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.		
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.		

Name: BTA ENSOLUM Title: Environmental Manager

Email: rramos@btaoil.com Date: 07/29/2024

I hereby agree and sign off to the above statement

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

QUESTIONS, Page 3

Action 368057

QUESTIONS (continued)

Operator:	OGRID:
BTA OIL PRODUCERS, LLC	260297
104 S Pecos	Action Number:
Midland, TX 79701	368057
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Site Characterization		
Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.		
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 51 and 75 (ft.)	
What method was used to determine the depth to ground water	Direct Measurement	
Did this release impact groundwater or surface water	No	
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:		
A continuously flowing watercourse or any other significant watercourse	Between ½ and 1 (mi.)	
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1 and 5 (mi.)	
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)	
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between ½ and 1 (mi.)	
Any other fresh water well or spring	Between ½ and 1 (mi.)	
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)	
A wetland	Between ½ and 1 (mi.)	
A subsurface mine	Greater than 5 (mi.)	
An (non-karst) unstable area	Greater than 5 (mi.)	
Categorize the risk of this well / site being in a karst geology	Low	
A 100-year floodplain	Greater than 5 (mi.)	
Did the release impact areas not on an exploration, development, production, or storage site	Yes	

Remediation Plan		
Please answer all the questions that apply or are indicated. This information must be p	provided to the appropriate district office no later than 90 days after the release discovery date.	
Requesting a remediation plan approval with this submission	Yes	
Attach a comprehensive report demonstrating the lateral and vertical extents of soil co	ntamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.	
Have the lateral and vertical extents of contamination been fully delineate	ed Yes	
Was this release entirely contained within a lined containment area	No	
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)		
Chloride (EPA 300.0 or SM4500 Cl B)	24000	
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	1752	
GRO+DRO (EPA SW-846 Method 8015M)	1334	
BTEX (EPA SW-846 Method 8021B or 8260B)	0	
Benzene (EPA SW-846 Method 8021B or 8260B)	0	
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC which includes the anticipated timelines for beginning and completing the remediation.		
On what estimated date will the remediation commence	05/19/2023	
On what date will (or did) the final sampling or liner inspection occur	07/09/2024	
On what date will (or was) the remediation complete(d)	07/09/2024	
What is the estimated surface area (in square feet) that will be reclaimed	d 23000	
What is the estimated volume (in cubic yards) that will be reclaimed	3400	
What is the estimated surface area (in square feet) that will be remediate	ed 23000	
What is the estimated volume (in cubic yards) that will be remediated	3400	
These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.		
The OCD recognizes that proposed remediation measures may have to be minimally ac	djusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to	

significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

District I

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

QUESTIONS, Page 4

Action 368057

QUESTIONS (continued)

Operator:	OGRID:
BTA OIL PRODUCERS, LLC	260297
104 S Pecos	Action Number:
Midland, TX 79701	368057
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Remediation Plan (continued)		
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.		
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:		
(Select all answers below that apply.)		
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes	
Which OCD approved facility will be used for off-site disposal	LEA LAND LANDFILL [fEEM0112342028]	
OR which OCD approved well (API) will be used for off-site disposal	Not answered.	
OR is the off-site disposal site, to be used, out-of-state	Not answered.	
OR is the off-site disposal site, to be used, an NMED facility	Not answered.	
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	Not answered.	
(In Situ) Soil Vapor Extraction	Not answered.	
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.	
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.	
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.	
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.	
OTHER (Non-listed remedial process) Not answered.		

Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.

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

I hereby agree and sign off to the above statement

Name: BTA ENSOLUM Title: Environmental Manager Email: rramos@btaoil.com Date: 07/29/2024

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

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QUESTIONS, Page 5

Action 368057

QUESTIONS (continued)

Operator:	OGRID:
BTA OIL PRODUCERS, LLC	260297
104 S Pecos	Action Number:
Midland, TX 79701	368057
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Deferral Requests Only	
Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

District I

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

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

QUESTIONS, Page 6

Action 368057

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Operator:	OGRID:
BTA OIL PRODUCERS, LLC	260297
104 S Pecos	Action Number:
Midland, TX 79701	368057
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded 360839	
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	07/09/2024
What was the (estimated) number of samples that were to be gathered	20
What was the sampling surface area in square feet	25350

Remediation Closure Request		
Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.		
Requesting a remediation closure approval with this submission	Yes	
Have the lateral and vertical extents of contamination been fully delineated	Yes	
Was this release entirely contained within a lined containment area	No	
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes	
What was the total surface area (in square feet) remediated	23000	
What was the total volume (cubic yards) remediated	3400	
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes	
What was the total surface area (in square feet) reclaimed	23000	
What was the total volume (in cubic yards) reclaimed	3400	
Summarize any additional remediation activities not included by answers (above)	n/a	

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

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Name: BTA ENSOLUM
Title: Environmental Manager
Email: rramos@btaoil.com
Date: 07/29/2024

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QUESTIONS, Page 7

Action 368057

QUESTIONS	(continued)
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Operator:	OGRID:
BTA OIL PRODUCERS, LLC	260297
104 S Pecos	Action Number:
Midland, TX 79701	368057
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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

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CONDITIONS

Action 368057

CONDITIONS

Operator:	OGRID:
BTA OIL PRODUCERS, LLC 104 S Pecos Midland, TX 79701	260297
	Action Number: 368057
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created B	y Condition	Condition Date
scwells	None	8/1/2024