

July 30, 2024

New Mexico Oil Conservation Division 1220 South St. Francis Drive Santa Fe, New Mexico 87505

Re: Closure Request

PLU 29-20 Big Sinks #155H

Incident Number nAPP2405152557

Eddy County, New Mexico

To Whom It May Concern:

Ensolum, LLC (Ensolum), on behalf of XTO Energy, Inc. (XTO), has prepared this *Closure Request* to document site assessment, excavation, and soil sampling activities at the PLU 29-20 Big Sinks #155H (Site). The purpose of the site assessment and soil sampling activities was to assess for the presence or absence of impacts to soil following a release of crude oil into a lined containment and onto the well pad. Based on soil sample laboratory analytical results, XTO is submitting this *Closure Request*, describing site assessment, excavation, and delineation activities that have occurred and requesting no further action for Incident Number nAPP2405152557.

SITE DESCRIPTION AND RELEASE SUMMARY

The Site is located in Unit G, Section 30, Township 25 South, Range 31 East, in Eddy County, New Mexico (32.104774°, -103.81724°) and is associated with oil and gas exploration and production operations on Federal Land managed by the Bureau of Land Management (BLM).

On February 6, 2024, equipment failure on a production flowline resulted in the release of approximately 28 barrels (bbls) of produced water onto the pad surface and adjacent pasture. XTO reported the release to the New Mexico Oil Conservation Division (NMOCD) and submitted a Form C-141 Application (C-141) on February 20, 2024. The release was assigned Incident Number nAPP2405152557.

SITE CHARACTERIZATION AND CLOSURE CRITERIA

The Site was characterized to assess the applicability of Table I Closure Criteria for Soils Impacted by a Release, of Title 19, Chapter 15, Part 29 (19.15.29) of the New Mexico Administrative Code (NMAC). Results from the characterization desktop review are presented below andotential site receptors are identified on Figure 1.

Depth to groundwater at the Site is greater than 100 feet below ground surface (bgs) based on the nearest groundwater well data. The closest permitted groundwater well with depth to groundwater data is New Mexico Office of the State Engineer (NMOSE) soil boring C-4624 POD 1, located approximately 0.23 miles south of the Site. On June 22, 2022, the soil boring was drilled by XTO utilizing a truckmounted air rotary rig to determine regional depth to groundwater in the area. The soil boring was advanced to a total depth of 120 feet bgs. A field geologist logged and descrived soils continuously. No

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moisture or groundwater was encountered during drilling activities. The borehole was left open for over 72 hours to allow for the potential slow infill of groundwater. After the 72-hour waiting period without observing groundwater, it was confirmed that groundwater in the area is greater than 120 feet bgs. The borehole was properly abandoned with drill cuttings and hydrated bentonite chips. All wells used to determine depth to groundwater are depicted on Figure 1. The Well Record and Log is included in Appendix A.

The closest continuously flowing or significant watercourse to the Site is a dry wash, located approximately 4,555 feet southwest of the Site. The Site is greater than 200 feet from a lakebed, sinkhole, or playa lake and greater than 300 feet from an occupied residence, school, hospital, institution, church, or wetland. The Site is greater than 1,000 feet to a freshwater well or spring and is not within a 100-year floodplain or overlying a subsurface mine. The Site is not underlain by unstable geology (medium potential karst designation area). Site receptors are identified on Figure 1.

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

- Benzene: 10 milligrams per kilogram (mg/kg)
- Benzene, toluene, ethylbenzene, and total xylenes (BTEX): 50 mg/kg
- Total petroleum hydrocarbons (TPH)-gasoline range organics (GRO) and TPH-diesel range organics (DRO): 1,000 mg/kg
- TPH: 2,500 mg/kg
- Chloride: 20,000 mg/kg

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

SITE ASSESSMENT ACTIVITIES

On March 14, 2024, Ensolum personnel visited the Site to evaluate the release extent based on information provided on the C-141 and visual observations. Eleven delineation soil samples (SS01 through SS11) were collected within and around the release extent from a depth of approximately 0.5 feet bgs to assess the lateral extent of the release. The delineation soil samples were field screened for volatile organic compounds (VOCs) utilizing a calibrated photoionization detector (PID) and chloride utilizing Hach® chloride QuanTab® test strips. The release extent and delineation soil sample locations were mapped utilizing a handheld Global Positioning System (GPS) unit and are depicted on Figure 2. Photographic documentation is included in Appendix B.

The soil samples were placed directly into pre-cleaned glass jars, labeled with the location, date, time, sampler name, method of analysis, and immediately placed on ice. The soil samples were transported under strict chain-of-custody procedures to Cardinal Laboratories (Cardinal) in Hobbs, New Mexico, for analysis of the following contaminants 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 Methods SM4500-Cl B.

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Laboratory analytical results for delineation soil samples SS01 through SS11 indicated that all COC concentrations were compliant with the Closure Criteria and reclamation requirement.

DELINATION AND CONFIRMATION SOIL SAMPLING ACTIVITIES

On April 2, 2024, Ensolum personnel returned to the Site to collect additional delineation soil samples to assess presence or absence of impacts in the subsurface. Soil samples were collected at the locations of SS01 through SS04 and SS11 at depths ranging from 1 foot to 2 feet bgs. The soil samples were field screened for VOCs and chloride. Field screening results and visual observations were documented on lithologic/soil sampling logs which are included in Appendix C. Laboratory analytical results for all delineation soil samples indicated all COC concentrations were compliant with the Closure Criteria and the reclamation requirement, successfully defining the lateral and vertical extent of the release. As such, Ensolum personnel proceeded to complete surface confirmation soil sampling.

Ensolum personnel collected 5-point composite soil samples representing no more than 200 square feet from the release extent at a depth of 0.5 feet bgs. The 5-point composite soil samples were collected by placing five equivalent aliquots of soil into a 1-gallon, resealable plastic bag and homogenizing the samples by thoroughly mixing. The confirmation soil samples were field screened for VOCs and chloride. The confirmation soil sample locations are depicted on Figure 3. The delineation and confirmation soil samples were handled as described above and delivered to Cardinal in Hobbs, New Mexico.

Laboratory analytical results for all confirmation soil samples indicated all COC concentrations were compliant with the Closure Criteria. Laboratory analytical results for confirmation soil samples CS06, CS08, CS12, CS16, CS18 through CS21, CS23, CS24, CS26, CS27, CS30, and CS36 indicated that TPH and/or chloride concentrations exceeded the reclamation requirement. Based on the laboratory analytical results for the confirmation soil samples, removal of the waste-containing soil was warranted.

EXCAVATION SOIL SAMPLING ACTIVITIES

Between June 25 and June 26, 2024, Ensolum personnel were at the Site to oversee excavation activities. Waste-containing soil was excavated from the release area as indicated by laboratory analytical results for the confirmation soil samples. Excavation activities were performed using a trackhoe and transport vehicle. The excavation occurred on the well pad and in the adjacent pasture. To direct excavation activities, Ensolum personnel screened soil for VOCs and chloride. Following removal of impacted soil, Ensolum personnel collected 5-point composite soil samples representing no more than 200 square feet from the sidewalls and floor of the excavation. The composite samples were collected and handled as previously described. Excavation floor soil samples FS01 through FS14 were collected from the floor of the excavation at a depth of 0.8 feet to 1 foot bgs. Excavation sidewall soil samples SW01 through SW05 were collected from the sidewalls of the excavation at depths ranging from ground surface to 1 foot bgs. The excavation extent and floor and sidewall soil sample locations are presented on Figure 4.

The excavation extent measured approximately 2,700 square feet. A total of approximately 85 cubic yards of impacted soil was removed during the excavation activities. The impacted soil was transported and properly disposed of at the R360 Landfill Disposal Facility in Hobbs, New Mexico. After completion of confirmation sampling, the excavation area was secured with fencing.

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LABORATORY ANALYTICAL RESULTS

Laboratory analytical results for the final confirmation soil samples indicated that all COC concentrations were compliant with the Closure Criteria and the reclamation requirement. Laboratory analytical results are summarized in Table 1 and the complete laboratory analytical reports are included as Appendix D.

CLOSURE REQUEST

Site assessment and excavation activities were conducted at the Site to address the February 6, 2024, release of produced water. Although no confirmation soil samples exceeded Closure Criteria, some samples exceeded the reclamation requirement. Waste-containing soil was removed and final excavation confirmation samples confirmed COC concentrations were compliant with the Site Closure Criteria and reclamation requirement. Based on the soil sample analytical results, no further remediation was required. XTO will backfill the excavation with material purchased locally and recontour the Site to match pre-existing site conditions.

Excavation of waste-containing soil has mitigated impacts at this Site. Depth to groundwater has been estimated to be greater than 100 feet bgs and no other sensitive receptors were identified near the Site. XTO believes these remedial actions are protective of human health, the environment, and groundwater. As such, XTO respectfully requests closure for Incident Number nAPP2405152557.

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

Sincerely, **Ensolum, LLC**

David McInnis Project Geologist

8/a. M.1.

Tacoma Morrissey Associate Principal

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cc: Amy Ruth, XTO

Alan Romero, XTO

Bureau of Land Management

Appendices:

Figure 1 Site Receptor Map

Figure 2 Delineation Soil Sample Locations
Figure 3 Confirmation Soil Sample Locations
Figure 4 Excavation Soil Sample Locations
Table 1 Soil Sample Analytical Results

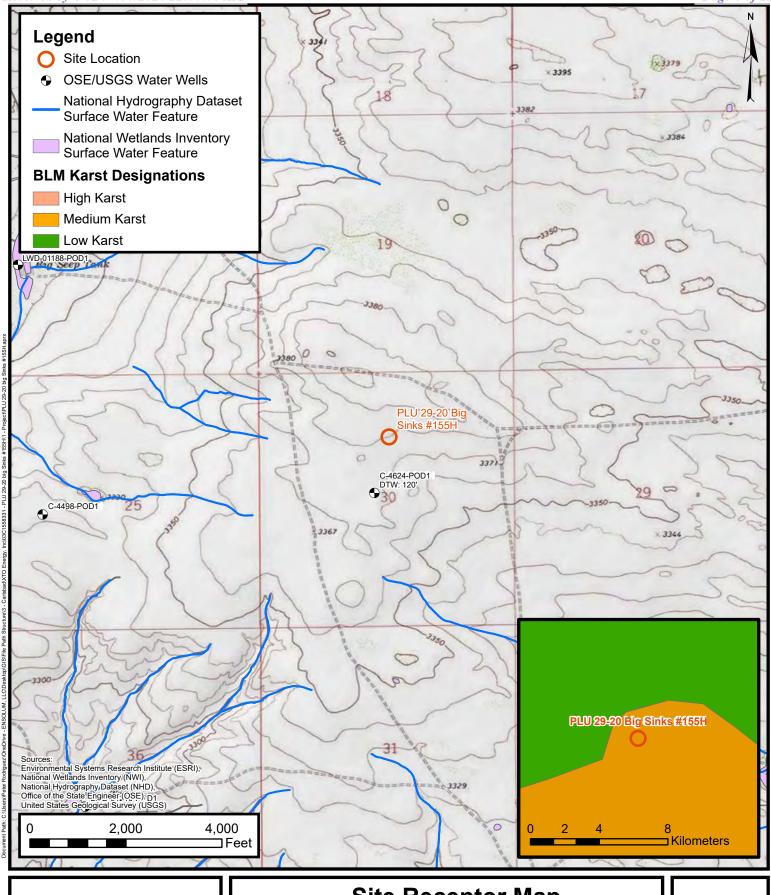
Appendix A Referenced Well Records
Appendix B Photographic Log

Appendix C Lithologic / Soil Sampling Logs

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



FIGURES



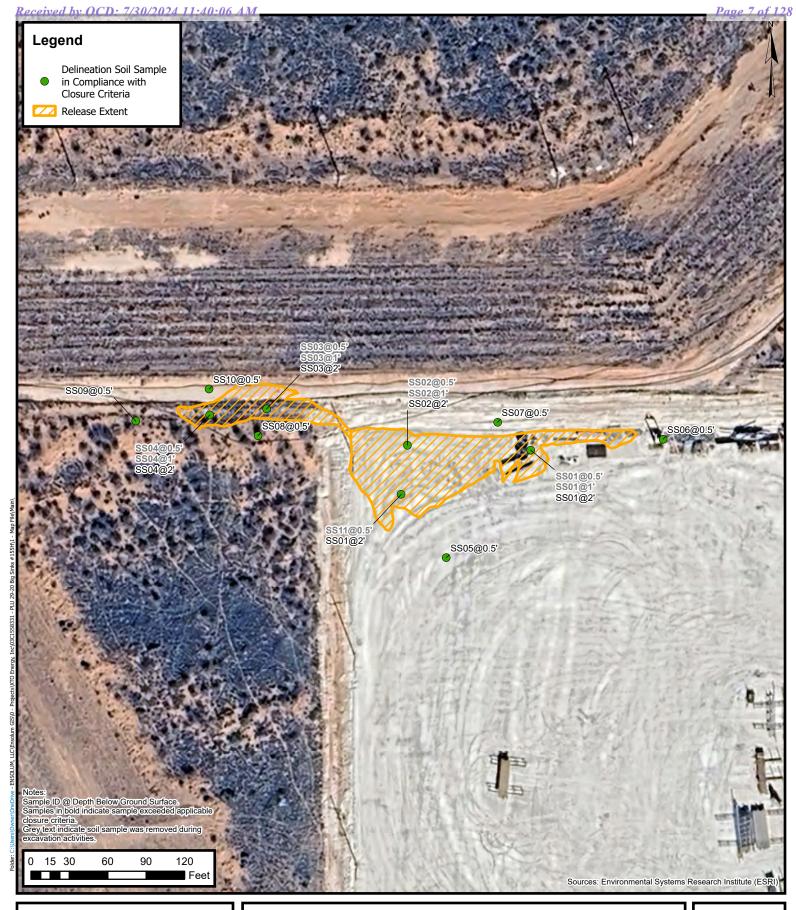


Site Receptor Map

XTO Energy, Inc PLU 29-20 Big Sinks #155H Incident Number: nAPP2405152557

Unit G, Sec 30, T 25S, R 31E Eddy County, New Mexico FIGURE

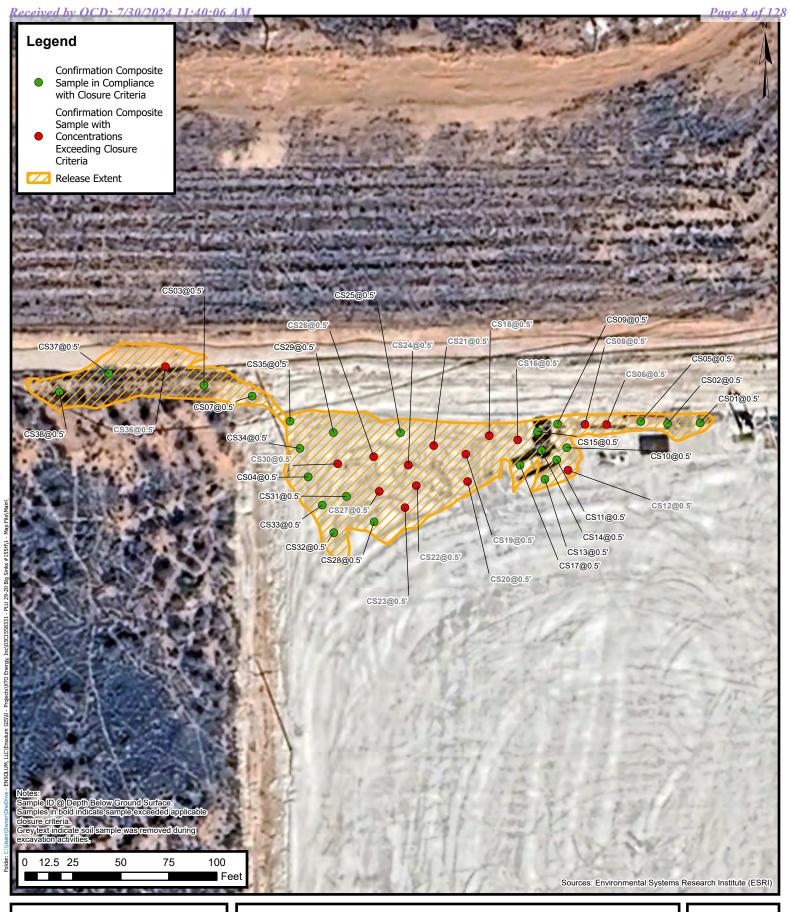
1





Delineation Soil Sample Locations

XTO Energy, Inc PLU 29-20 Big Sinks #155H Incident Number: nAPP2405152557 Unit G, Sec 30, T 25S, R 31E Eddy County, New Mexico FIGURE 2



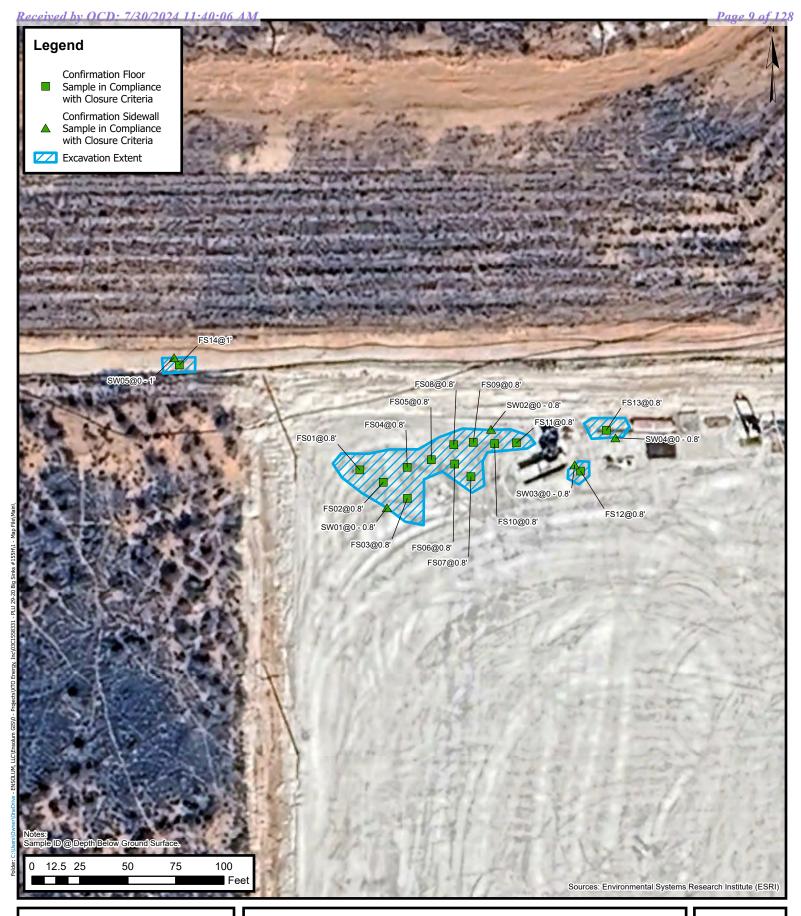


Confirmation Soil Sample Locations

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Eddy County, New Mexico

FIGURE 3

Released to Imaging: 8/20/2024 2:41:40 PM





Excavation Soil Sample Locations

XTO Energy, Inc PLU 29-20 Big Sinks #155H Incident Number: nAPP2405152557 Unit G, Sec 30, T 25S, R 31E Eddy County, New Mexico FIGURE 4



TABLES



Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I C	losure Criteria (I	NMAC 19.15.29)	10	50	NE	NE	NE	1,000	2,500	20,000
				Delir	neation Soil Sai	nples				
SS01	03/14/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160
SS01	04/02/2024	4	< 0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48
SS01	04/02/2024	2	< 0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
SS02	03/14/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	272
SS02	04/02/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32
SS02	04/02/2024	2	< 0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
SS03	03/14/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
SS03	04/02/2024	4	< 0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128
SS03	04/02/2024	2	< 0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160.0
\$\$04	03/14/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80
SS04	04/02/2024	4	< 0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64
SS04	04/02/2024	2	< 0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
SS05	03/14/2024	0.5	< 0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112
SS06	03/14/2024	0.5	< 0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
SS07	03/14/2024	0.5	<0.050	<0.300	<10.0	14.6	<10.0	14.6	14.6	112
SS08	03/14/2024	0.5	< 0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
SS09	03/14/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
SS10	03/14/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
SS11	03/14/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128
SS11	04/02/2024	2	< 0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0

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Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I C	losure Criteria (l	NMAC 19.15.29)	10	50	NE	NE	NE	1,000	2,500	20,000
				Confi	rmation Soil Sa	mples				
CS01	04/02/2024	0.5	< 0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160
CS02	04/02/2024	0.5	< 0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	304
CS03	04/02/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	416
CS04	04/02/2024	0.5	< 0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128
CS05	04/02/2024	0.5	< 0.050	<0.300	<10.0	13.8	<10.0	13.8	13.8	368
CS06	04/02/2024	0.5	<0.050	<0.300	<10.0	25.0	<10.0	25.0	25.0	1,490
CS07	04/02/2024	0.5	< 0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
CS08	04/02/2024	0.5	<0.050	<0.300	<10.0	11.9	<10.0	11.9	11.9	624
CS09	04/02/2024	0.5	< 0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	320
CS10	04/02/2024	0.5	< 0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	432
CS11	04/02/2024	0.5	< 0.050	<0.300	<10.0	70.6	<10.0	70.6	70.6	384
CS12	04/02/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	656
CS13	04/02/2024	0.5	< 0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	288
CS14	04/02/2024	0.5	< 0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	176
CS15	04/02/2024	0.5	< 0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	480
CS16	04/02/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	672
CS17	04/02/2024	0.5	< 0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	400
CS18	04/02/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	960
CS19	04/02/2024	0.5	<0.050	<0.300	<10.0	154	<10.0	154	154	1,010
CS20	04/02/2024	0.5	<0.050	<0.300	<10.0	249	13.1	249	262	912
CS21	04/02/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	800
CS22	04/02/2024	0.5	<0.050	<0.300	<10.0	130	<10.0	130	130	512
CS23	04/02/2024	0.5	<0.050	<0.300	<10.0	69.0	<10.0	69.0	69.0	1,060
CS24	04/02/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	688
CS25	04/02/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	480
CS26	04/02/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	640

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Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I C	losure Criteria (I	NMAC 19.15.29)	10	50	NE	NE	NE	1,000	2,500	20,000
CS27	04/02/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,020
CS28	04/02/2024	0.5	<0.050	<0.300	<10.0	13.4	<10.0	13.4	13.4	352
CS29	04/02/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	256
CS30	04/02/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	848
CS31	04/02/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	400
CS32	04/02/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	400
CS33	04/02/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
CS34	04/02/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	512
CS35	04/02/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
CS36	04/02/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	800
CS37	04/02/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	224
CS38	04/02/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80
				Exca	avation Soil Sar	nples				
FS01	06/25/2024	0.8	< 0.050	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112
FS02	06/25/2024	0.8	< 0.050	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128
FS03	06/25/2024	0.8	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112
FS04	06/25/2024	0.8	< 0.050	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128
FS05	06/25/2024	0.8	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0
FS06	06/25/2024	0.8	< 0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144
FS07	06/25/2024	0.8	< 0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112
FS08	06/25/2024	0.8	< 0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112
FS09	06/25/2024	0.8	< 0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0
FS10	06/25/2024	0.8	< 0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
FS11	06/25/2024	0.8	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128
FS12	06/25/2024	0.8	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128
FS13	06/25/2024	0.8	< 0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112
FS14	06/26/2024	1	< 0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
SW01	06/26/2024	0 - 0.8	< 0.050	<0.300	<10.0	23.3	<10.0	23.3	23.3	208
SW02	06/26/2024	0 - 0.8	< 0.050	<0.300	<10.0	37.9	<10.0	37.9	37.9	224

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		Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	1,000	2,500	20,000
SW03	SW03 06/26/2024 0 - 0.8		<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	224
SW04	SW04 06/26/2024 0 - 0.8		< 0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	224
SW05	SW05 06/26/2024 0 - 1		< 0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0

Notes:

bgs: below ground surface

mg/kg: milligrams per kilogram

NMOCD: New Mexico Oil Conservation Division

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

Concentrations in **bold** exceed the NMOCD Table I Closure Criteria or

reclamation requirement where applicable.

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

NMAC: New Mexico Administrative Code

Grey text indicates soil sample removed during excavation activities

Ensolum 4 of 4



APPENDIX A

Referenced Well Records



	OSE POD NO. (W C-4624 POD		.)		WELL TAG ID NO.			OSE FILE NO(: C-4624	S).				
	WELL OWNER N							PHONE (OPTIO 432-236-380					
	WELL OWNER N 6401 HOLIDA						T	CITY MIDLAND		STATE TX 79707	ZIP		
	WELL LOCATION (FROM GPS)	LAT	TITUDE	32 -103	MINUTES 6 49	5.66 5.79	N W		REQUIRED: ONE TEN	EQUIRED: ONE TENTH OF A SECOND			
	Control of the Contro	RELATIN	NGITUDE IG WELL LOCATION TO UNIT 30 BS # 1031	STREET ADDR				SS (SECTION, TO	WNSHJIP, RANGE) WH	ERE AVAILABLE			
1	LICENSE NO. WD-118	4	NAME OF LICENSED		LL SOUTHER	LAND			NAME OF WELL DR WEST TEXAS	ILLING COMPANY S WATER WELL SEI	RVICE		
-	DRILLING STAR 06/22/22		DRILLING ENDED 06/22/22	DEPTH OF CO	MPLETED WELL (F	Г) В	ORE HO	LE DEPTH (FT)	DEPTH WATER FIR	ST ENCOUNTERED (FT)			
	COMPLETED W	ELL IS:	ARTESIAN	✓ DRY HOL	E SHALLO	W (UNCONF	NED)		STATIC WATER LEV	VEL IN COMPLETED WE N/A	ELL (FT)		
1	DRILLING FLUI	D:	✓ AIR	MUD	ADDITIV	ES – SPECIF	t:						
1	DRILLING METI	HOD:	✓ ROTARY	HAMMER	CABLET	COOL	ОТНЕ	ER - SPECIFY:					
	DEPTH (fee	t bgl)	BORE HOLE DIAM (inches)	(include e	MATERIAL AND GRADE each casing string, sections of screen)	and	CON	ASING NECTION IYPE oling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLC SIZ (inch		
				NO C	ASING IN HOLE	3							
1	DEPTH (fee	77.7	BORE HOLE DIAM. (inches)		ST ANNULAR SE				AMOUNT (cubic feet)	METHO PLACEN			
-	FROM	ТО			A 1-4	N/A				201775			
									OSEDII JUL	Z2 2022 DM 150			
R	OSE INTERNA	L USE						WR-20) WELL RECORD	& LOG (Version 04/3	0/19)		
		14.	-PODL 31E.30.	(1 11 1	POD NO	. POD		TRN N WELL TAG II	vo. 726160				

PAGE 2 OF 2

WELL TAG ID NO.

	DEPTH (fe	et bgl)		COLOR AND TYPE OF MATERIAL ENCOU	JNTERED -	WATER	ESTIMATED YIELD FOR
	FROM	то	THICKNESS (feet)	INCLUDE WATER-BEARING CAVITIES OR FRA		BEARING? (YES / NO)	WATER- BEARING ZONES (gpm)
	0	17		CALACHIE		Y ✓N	
	17	30	1	SAND		Y /N	
	30	40		SAND, SMALL GRAVEL		Y ✓N	
	40	95		SAND		Y ✓N	
	95	120		SANDSTONE, SAND		Y ✓N	
į						Y N	
VEL						Y N	
5						Y N	
2						Y N	
121						Y N	
3						Y N	
E						Y N	
2						Y N	
4. HYDROGEOLOGIC LOG OF WELL						Y N	
4						Y N	
						Y N	
						Y N	
						Y N	
						Y N	
						Y N	
						Y N	
	METHOD US	ED TO E	STIMATE YIELD	OF WATER-BEARING STRATA:	1	TOTAL ESTIMATED	
	PUMP		AIR LIFT	BAILER OTHER - SPECIFY: DRY HOLE		WELL YIELD (gpm):	0.00
5	WELL TEST			ACH A COPY OF DATA COLLECTED DURING WELI IE, AND A TABLE SHOWING DISCHARGE AND DR			
TEST; RIG SUPERVISI	MISCELLAN	EOUS IN	AS	E BORING WILL BE SECURED AND LEFT OP SESS FOR THE PRESENCE OR ABSENCE OF OP PRING FOLLOWING NMOSE ABANDONMENT	GROUNDWATE	R XTO WILL BAC	KFILL THE
3. IES	PRINT NAMI			VISOR(S) THAT PROVIDED ONSITE SUPERVISION	OF WELL CONST	TRUCTION OTHER TH	AN LICENSE
SIGNATORE	RECORD OF	THE ABO	OVE DESCRIBED	AT TO THE BEST OF MY KNOWLEDGE AND BEI WELL. I ALSO CERTIFY THAT THE WELL TAG, IF I WITH THE PERMIT HOLDER WITHIN 30 DAYS AFT	REQUIRED, HAS	BEEN INSTALLED AN TION OF WELL DRILL	D THAT THE
SIC	K . MI	1 An	SHO V	RUSSELL SOUTHERLAND		06/22/2022	
ó	Musey	SIGNAT	URE OF DRILLE	R / PRINT SIGNEE NAME		DATE	
OI	R OSE INTERN	AL USE			WR-20 WELL	RECORD & LOG (Ver	sion 04/30/201
FIL	E NO.			POD NO.	TRN NO.		

LOCATION



APPENDIX B

Photographic Log



Photographic Log

XTO Energy, INC PLU 29-20 Big Sinks 155H nAPP2405152557





Photograph: 1 Date: 2/7/2024

Description: Point of initial release

View: Southeast

Photograph: 2 Date: 2/7/2024

Description: Soil staining in release footprint

View: Northwest



Photograph: 3 Date: 4/2/2024

View: Northwest

Description: Delineation activities

Pesition - -032 102/7867 - 103 817336" (± 17 5ft)
Alitude - 3387 (± 19 9ft)
Datum: W6S-8a
Azmuth/86-armp. 074: S86E 1671/mils Trus (±12")
Elevation Angle - -11 6"
Flerrear Angle - -10 2"
Zabri: -10X
PUJ 29-2E

Photograph: 4 Date: 6/25/2024

Description: Excavation activities

View: Southeast



Photographic Log

XTO Energy, INC PLU 29-20 Big Sinks 155H nAPP2405152557





Photograph: 1 Date: 6/25/2024

Description: Excavation activities

View: Northwest

Photograph: 2 Date: 6/26/2024

Description: Final excavation extent

View: Northeast





Photograph: 3 Date: 6/26/2024

Description: Final excavation extent

View: Southwest

Photograph: 4 Date: 6/26/2024

Description: Final pasture excavation extent

View: Northwest



APPENDIX C

Lithologic / Soil Sampling Logs

								Sample Name: SS01	Date: 3/14/24, 4/2/24
		IΕ	N	1 S O) L (U M		Site Name: PLU 29-20 Big Sinks #155	
		Env	iron	mental, Engir	neering a			Incident Number: NAPP2405152557	1
	4	■ Hyo	lrog	eologic Const	ultants				
		LITUOI	00	IC / SOIL SAM	DUNCIO	<u> </u>		Job Number: 03C1558331	Markle and Mary devices
Coondina	ates: 32.11			C / SOIL SAM	PLING LC	<i>J</i> G		Logged By: CW US Hole Diameter: 4"	Method: Handauger Total Depth: 2'
					1 Chlorido -	Fact String or	nd DID for	chloride and vapor, respectively. Chlo	·
								all chloride screenings.	onde test periorined with
							1		
r re	de (<u>ہ</u> ۔	ng	Q	Sample	Donth	0		
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	alde	Depth	Depth	SCS/Roc Symbol	Lithologic Desc	criptions
δ S	ب ع	> =	Sta	Sample ID	(ft bgs)	(ft bgs)	USCS/Rock Symbol		
			Υ			0	CCHE	0-2' CALICHE light brown, med	dium to coarse
	460	0.5		6604			00	0-2' CALICHE light brown, med grains, sub-rounded grains,	poorly sorted, no
M	168	0.5	Υ	SS01	0.5	_		stain, no odor, moist.	
M	<168	0.2	Ν	SS01	1 _	_ 1			
					-	-			
						-			
М	<168	0.4	N	SS01	2	2 TD		Total Depth @ 2' bgs	
					<u>-</u>	_ 10		Total Deptil @ 2 bgs	
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								Sample Name: SS02	Date: 3/14/24, 4/2/24
		ΙE		1 S O		U M		Site Name: PLU 29-20 Big Sinks #155	
i		Env	iron	mental, Engir	neering a			Incident Number: NAPP2405152557	
		Hyd	lrog	eologic Const	ultants			Job Number: 03C1558331	
		LITHOL	ne	C / SOIL SAM	DIINGIO	ne .		Logged By: CW US	Method: Handauger
Coordina	ates: 32.10				I LIIVO LO	/		Hole Diameter: 4"	Total Depth: 2'
					- Chlorida	Fact String ar	nd DID for	chloride and vapor, respectively. Chlo	·
								all chloride screenings.	onde test periorined with
							1		
ıre nt	de (<u>ہ</u> ۔	ηg	Q a	Sample	Donth	900		
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Depth	Depth	USCS/Rock Symbol	Lithologic Desc	criptions
မှိ ပိ	유	2 9	Sta	Sarr	(ft bgs)	(ft bgs)	JSC Sy		
			Υ	01	1	0		0-2' CALICHE light brown med	dium to coarse
			'		_		CCITE	0-2' CALICHE light brown, med grains, sub-rounded grains,	poorly sorted, no
М	274	0.0		SS02	0.5	_		stain, no odor, moist.	
М	<168	0.1	N	SS02	1 _	_ 1			
					-	-			
					-	_			
М	<168	0.3	Ν	SS02	2			Total Double @ 21 has	
					-	_ TD		Total Depth @ 2' bgs.	
					_	-			
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								Samuel Name (COO)	D. I. 2/44/24 4/2/24
		F	N	1 S O		U M		Sample Name: SS03	Date: 3/14/24, 4/2/24
				mental, Engi				Site Name: PLU 29-20 Big Sinks #155	
	_	■ Hyd	lrog	eologic Cons	ultants			Incident Number: NAPP2405152557	
		LITUC		IC / CO!! C45	IDLIN'S ! S	<u> </u>		Job Number: 03C1558331	
				IC / SOIL SAN	IPLING LC)G		Logged By: CW US	Method: Handauger
	ates: 32.10						1515.6	Hole Diameter: 4"	Total Depth: 2'
								r chloride and vapor, respectively. Ch n all chloride screenings.	lloride test performed with
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Desc	
			Υ		_	_ 0	SP	0- 0.5' SAND with silt. Red/bro	own, very fine grained
M	<168	0.0		SS03	0.5	-	SP	well sorted, sub-rounded gra 0.5- 1.5' SAND with clay. Red/	brown, very fine grained
N 4	-160	0.0	N	ccoa		<u> </u>		well sorted, sub-rounded gra	ains, no odor, no stainin
M	<168	0.0	N	SS03	1 _	_ 1		moist	
					_	_		1.5-2' SAND with silt. Red/bro well sorted, sub-rounded gra	wn, very fine grained
M	168	0.0	Ν	SS03	2 _	2 TD		moist	ams, no odor, no stamm
					-	_ TD		Total Depth @ 2' bgs.	
					_	-			
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			_					Sample Name: SS04	Date: 3/14/24, 4/2/24
		ΙE		1 S O) L (J M		Site Name: PLU 29-20 Big Sinks #15	
1		Env	riron	mental, Engi	neering a		•	Incident Number: NAPP240515255	
	4	Hyc	drog	eologic Const	ultants			Job Number: 03C1558331	,
 		IITHO	l OG	C / SOIL SAM	IDLINGIO	ng.		Logged By: CW US	Method: Handauger
Coordin	ates: 32.1				II LIIVO LO	/		Hole Diameter: 4"	Total Depth: 2'
					'U Chlorido	Tost String	and DID fo	or chloride and vapor, respectively. C	·
								n all chloride screenings.	monde test performed with
Moisture Content	Chloride (ppm)	Vapor (ppm)	05	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Des	
			Υ		_	_ 0	SP	0- 0.5' SAND with silt. Red/br	own, very fine grained
M	<168	0.0		SS04	0.5	_		0.5- 2' SAND with clay. Red/b	rown, very fine grained
Ν.4	<168	0.0	N	SS04		_ 1		poorly sorted, sub-rounded moist	l grains, no odor, no staini
М	<108	0.0	N	3304	1 _	_ 1		IIIUISL	
					_	_			
М	<168	0.0	N	SS04	2 -	2			
	1200	0.0				_ TD		Total Depth @ 2'	
					_	_			
					_	_			
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			_					Sample Name: SS11	Date: 3/14/24, 4/2/24
		ΙE	N	1 S O		U M		Site Name: PLU 29-20 Big Sinks #15	•
		Env	iron	mental, Engi	neering a			Incident Number: NAPP240515255	
	-	■ Hyc	lrog	eologic Const	ultants			Job Number: 03C1558331	•
		LITHO	OGI	C / SOIL SAM	PLING LC)G		Logged By: CW US	Method: Handauger
Coordina	ates: 32.10							Hole Diameter: 4"	Total Depth: 2'
					1 Chloride	Test Strips ar	nd PID for	chloride and vapor, respectively. Cl	· ·
								all chloride screenings.	F
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth	Depth	USCS/Rock Symbol	Lithologic De	scriptions
Moi Cor	Chl _o	Va (p	Sta	Sam	(ft bgs)	(ft bgs)	USCS Syr		·
			Υ		1	0	CCHE	0-2' CALICHE light brown, magrains, sub-rounded grain	edium to coarse
М	<168	0.0		SS11	0.5	-		grains, sub-rounded grain stain, no odor, moist.	s, poorly sorted, no
IVI	<100	0.0		3311	0.5	_		Stairi, 110 Odor, 11101St.	
					_	_ 1			
					_	-			
М	<168	0.1	N	SS11	2	_ 			
IVI	<100	0.1	IN	3311	_	2 TD		Total Depth @ 2' bgs.	
					_	<u>-</u>			
					-	-			
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APPENDIX C

Laboratory Analytical Reports & Chain of Custody Documentation



March 22, 2024

TRACY HILLARD
ENSOLUM
3122 NATIONAL PARKS HWY
CARLSBAD, NM 88220

RE: PLU 29-20 BIG SINKS #155H

Enclosed are the results of analyses for samples received by the laboratory on 03/18/24 12:04.

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)

Celey D. Keine

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

ENSOLUM TRACY HILLARD 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

 Received:
 03/18/2024
 Sampling Date:
 03/14/2024

 Reported:
 03/22/2024
 Sampling Type:
 Soil

Project Name: PLU 29-20 BIG SINKS #155H Sampling Condition: Cool & Intact

Project Number: 03C1558331 Sample Received By: Tamara Oldaker

A I J D. ... 711

Project Location: XTO

Sample ID: SS 01 0.5' (H241380-01)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/20/2024	ND	2.17	109	2.00	0.305	
Toluene*	<0.050	0.050	03/20/2024	ND	2.12	106	2.00	0.151	
Ethylbenzene*	<0.050	0.050	03/20/2024	ND	2.07	103	2.00	0.323	
Total Xylenes*	<0.150	0.150	03/20/2024	ND	6.01	100	6.00	0.261	
Total BTEX	<0.300	0.300	03/20/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	92.7	% 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	160	16.0	03/18/2024	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/19/2024	ND	206	103	200	2.69	
DRO >C10-C28*	<10.0	10.0	03/19/2024	ND	202	101	200	0.758	
EXT DRO >C28-C36	<10.0	10.0	03/19/2024	ND					
Surrogate: 1-Chlorooctane	69.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	64.7	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

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

Celey D. Keene



03/14/2024

Cool & Intact

Tamara Oldaker

Soil

Analytical Results For:

ENSOLUM TRACY HILLARD 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 03/18/2024 Reported: 03/22/2024

03/22/2024 Sampling Type: PLU 29-20 BIG SINKS #155H Sampling Condition:

Sampling Date:

Project Name: PLU 29-20 BIG SINKS #155H
Project Number: 03C1558331

58331 Sample Received By:

Applyzod By: 14

Project Location: XTO

Sample ID: SS 02 0.5' (H241380-02)

RTFY 8021R

B1EX 8021B	тд/кд		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/20/2024	ND	2.17	109	2.00	0.305	
Toluene*	<0.050	0.050	03/20/2024	ND	2.12	106	2.00	0.151	
Ethylbenzene*	<0.050	0.050	03/20/2024	ND	2.07	103	2.00	0.323	
Total Xylenes*	<0.150	0.150	03/20/2024	ND	6.01	100	6.00	0.261	
Total BTEX	<0.300	0.300	03/20/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	92.5	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	/kg	Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	03/19/2024	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	03/19/2024	ND	206	103	200	2.69	
DRO >C10-C28*	<10.0	10.0	03/19/2024	ND	202	101	200	0.758	
EXT DRO >C28-C36	<10.0	10.0	03/19/2024	ND					
Surrogate: 1-Chlorooctane	72.5 % 48.2-13-		4						
Surrogate: 1-Chlorooctadecane	66.6	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

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

Celey D. Keene



Tamara Oldaker

Analytical Results For:

ENSOLUM TRACY HILLARD 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 03/18/2024 Reported:

Sampling Date: 03/14/2024 03/22/2024 Sampling Type: Soil PLU 29-20 BIG SINKS #155H Sampling Condition: Cool & Intact

Sample Received By:

Project Name: 03C1558331 Project Number:

Project Location: XTO

Sample ID: SS 03 0.5' (H241380-03)

BTEX 8021B	mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/20/2024	ND	2.17	109	2.00	0.305	
Toluene*	<0.050	0.050	03/20/2024	ND	2.12	106	2.00	0.151	
Ethylbenzene*	<0.050	0.050	03/20/2024	ND	2.07	103	2.00	0.323	
Total Xylenes*	<0.150	0.150	03/20/2024	ND	6.01	100	6.00	0.261	
Total BTEX	<0.300	0.300	03/20/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	93.2	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	03/19/2024	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	03/19/2024	ND	206	103	200	2.69	
DRO >C10-C28*	<10.0	10.0	03/19/2024	ND	202	101	200	0.758	
EXT DRO >C28-C36	<10.0	10.0	03/19/2024	ND					
Surrogate: 1-Chlorooctane	88.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	81.2	% 49.1-14	8						

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Celey D. Keene



Analytical Results For:

ENSOLUM TRACY HILLARD 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 03/18/2024 Sampling Date: 03/14/2024

Reported: 03/22/2024 Sampling Type: Soil

Project Name: PLU 29-20 BIG SINKS #155H Sampling Condition: Cool & Intact
Project Number: 03C1558331 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: XTO

mg/kg

Sample ID: SS 04 0.5' (H241380-04)

BTEX 8021B

	9,	9	7	7: 5::					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/20/2024	ND	2.17	109	2.00	0.305	
Toluene*	<0.050	0.050	03/20/2024	ND	2.12	106	2.00	0.151	
Ethylbenzene*	<0.050	0.050	03/20/2024	ND	2.07	103	2.00	0.323	
Total Xylenes*	<0.150	0.150	03/20/2024	ND	6.01	100	6.00	0.261	
Total BTEX	<0.300	0.300	03/20/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	93.4	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	03/19/2024	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	03/19/2024	ND	206	103	200	2.69	
DRO >C10-C28*	<10.0	10.0	03/19/2024	ND	202	101	200	0.758	
EXT DRO >C28-C36	<10.0	10.0	03/19/2024	ND					
Surrogate: 1-Chlorooctane	87.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	79.8	% 49.1-14	8						

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Analytical Results For:

ENSOLUM TRACY HILLARD 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 03/18/2024 Reported: 03/22/2024

PLU 29-20 BIG SINKS #155H

Project Number: 03C1558331

Project Location: XTO

Sampling Date: 03/14/2024

Sampling Type: Soil

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

Sample ID: SS 05 0.5' (H241380-05)

Project Name:

RTFY 8021R

B1EX 8021B	тд/кд		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/20/2024	ND	2.17	109	2.00	0.305	
Toluene*	<0.050	0.050	03/20/2024	ND	2.12	106	2.00	0.151	
Ethylbenzene*	<0.050	0.050	03/20/2024	ND	2.07	103	2.00	0.323	
Total Xylenes*	<0.150	0.150	03/20/2024	ND	6.01	100	6.00	0.261	
Total BTEX	<0.300	0.300	03/20/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	93.0	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	03/19/2024	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	03/19/2024	ND	206	103	200	2.69	
DRO >C10-C28*	<10.0	10.0	03/19/2024	ND	202	101	200	0.758	
EXT DRO >C28-C36	<10.0	10.0	03/19/2024	ND					
Surrogate: 1-Chlorooctane	79.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	73.5	% 49.1-14	8						

Applyzod By: 14

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Celey D. Keine



Analytical Results For:

ENSOLUM TRACY HILLARD 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 03/18/2024 Reported: 03/22/2024 Sampling Date: 03/14/2024 Sampling Type: Soil

Project Name: PLU 29-20 BIG SINKS #155H
Project Number: 03C1558331

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

Project Number: 03C1336

Sample ID: SS 06 0.5' (H241380-06)

BTEX 8021B	mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/20/2024	ND	2.17	109	2.00	0.305	
Toluene*	<0.050	0.050	03/20/2024	ND	2.12	106	2.00	0.151	
Ethylbenzene*	<0.050	0.050	03/20/2024	ND	2.07	103	2.00	0.323	
Total Xylenes*	<0.150	0.150	03/20/2024	ND	6.01	100	6.00	0.261	
Total BTEX	<0.300	0.300	03/20/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	93.4	% 71.5-13	4						
Chloride, SM4500CI-B	mg	/kg	Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	03/19/2024	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	03/19/2024	ND	206	103	200	2.69	
DRO >C10-C28*	<10.0	10.0	03/19/2024	ND	202	101	200	0.758	
EXT DRO >C28-C36	<10.0	10.0	03/19/2024	ND					
Surrogate: 1-Chlorooctane	65.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	59.2	% 49.1-14	18						

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Celey D. Kune

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

ENSOLUM TRACY HILLARD 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 03/18/2024 Reported: 03/22/2024

PLU 29-20 BIG SINKS #155H

Project Name: Project Number: 03C1558331

Project Location: XTO Sampling Date: 03/14/2024

Sampling Type: Soil

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

Sample ID: SS 07 0.5' (H241380-07)

BTEX 8021B	mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/20/2024	ND	2.17	109	2.00	0.305	
Toluene*	<0.050	0.050	03/20/2024	ND	2.12	106	2.00	0.151	
Ethylbenzene*	<0.050	0.050	03/20/2024	ND	2.07	103	2.00	0.323	
Total Xylenes*	<0.150	0.150	03/20/2024	ND	6.01	100	6.00	0.261	
Total BTEX	<0.300	0.300	03/20/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	92.9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	03/19/2024	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	03/19/2024	ND	207	104	200	19.2	
DRO >C10-C28*	14.6	10.0	03/19/2024	ND	207	104	200	15.6	
EXT DRO >C28-C36	<10.0	10.0	03/19/2024	ND					
Surrogate: 1-Chlorooctane	79.1 % 48.2-13		4						
Surrogate: 1-Chlorooctadecane	80.9	% 49.1-14	8						

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Analytical Results For:

ENSOLUM TRACY HILLARD 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 03/18/2024 Sampling Date: 03/14/2024

Reported: 03/22/2024 Sampling Type: Soil
Project Name: PLU 29-20 BIG SINKS #155H Sampling Condition: Coo

Project Name: PLU 29-20 BIG SINKS #155H Sampling Condition: Cool & Intact
Project Number: 03C1558331 Sample Received By: Tamara Oldaker

Applyzod By: 14

Project Location: XTO

Sample ID: SS 08 0.5' (H241380-08)

RTFY 8021R

B1EX 8021B	тд/кд		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/20/2024	ND	2.17	109	2.00	0.305	
Toluene*	<0.050	0.050	03/20/2024	ND	2.12	106	2.00	0.151	
Ethylbenzene*	<0.050	0.050	03/20/2024	ND	2.07	103	2.00	0.323	
Total Xylenes*	<0.150	0.150	03/20/2024	ND	6.01	100	6.00	0.261	
Total BTEX	<0.300	0.300	03/20/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	92.8	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	03/19/2024	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	03/19/2024	ND	207	104	200	19.2	
DRO >C10-C28*	<10.0	10.0	03/19/2024	ND	207	104	200	15.6	
EXT DRO >C28-C36	<10.0	10.0	03/19/2024	ND					
Surrogate: 1-Chlorooctane	84.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	92.9	% 49.1-14	8						

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Analytical Results For:

ENSOLUM TRACY HILLARD 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 03/18/2024 Sampling Date: 03/14/2024

Reported: 03/22/2024 Sampling Type: Soil

Project Name: PLU 29-20 BIG SINKS #155H Sampling Condition: Cool & Intact
Project Number: 03C1558331 Sample Received By: Tamara Oldaker

Applyzod By: 14

Project Location: XTO

Sample ID: SS 09 0.5' (H241380-09)

RTFY 8021R

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/20/2024	ND	2.17	109	2.00	0.305	
Toluene*	<0.050	0.050	03/20/2024	ND	2.12	106	2.00	0.151	
Ethylbenzene*	<0.050	0.050	03/20/2024	ND	2.07	103	2.00	0.323	
Total Xylenes*	<0.150	0.150	03/20/2024	ND	6.01	100	6.00	0.261	
Total BTEX	<0.300	0.300	03/20/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	93.7	% 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	<16.0	16.0	03/19/2024	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	03/19/2024	ND	207	104	200	19.2	
DRO >C10-C28*	<10.0	10.0	03/19/2024	ND	207	104	200	15.6	
EXT DRO >C28-C36	<10.0	10.0	03/19/2024	ND					
Surrogate: 1-Chlorooctane	108	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	119	% 49.1-14	8						

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Analytical Results For:

ENSOLUM TRACY HILLARD 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 03/18/2024 Sampling Date: 03/14/2024

Reported: 03/22/2024 Sampling Type: Soil

Project Name: PLU 29-20 BIG SINKS #155H Sampling Condition: Cool & Intact Sample Received By: Project Number: 03C1558331 Tamara Oldaker

Project Location: XTO

Sample ID: SS 10 0.5' (H241380-10)

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	03/20/2024	ND	2.17	109	2.00	0.305	
Toluene*	<0.050	0.050	03/20/2024	ND	2.12	106	2.00	0.151	
Ethylbenzene*	<0.050	0.050	03/20/2024	ND	2.07	103	2.00	0.323	
Total Xylenes*	<0.150	0.150	03/20/2024	ND	6.01	100	6.00	0.261	
Total BTEX	<0.300	0.300	03/20/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	92.5	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	03/19/2024	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	03/19/2024	ND	207	104	200	19.2	
DRO >C10-C28*	<10.0	10.0	03/19/2024	ND	207	104	200	15.6	
EXT DRO >C28-C36	<10.0	10.0	03/19/2024	ND					
Surrogate: 1-Chlorooctane	98.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	110 9	49.1-14	8						

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Notes and Definitions

QR-04 The RPD for the BS/BSD was outside of historical limits.

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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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

CARDINAL Laboratories 101 East Marland, Hobbs, NM 88240

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

Company Name:	Ensolum, LLC	C		BILL TO		ANALYSIS DECLIEST
Address 3122 National Dad	r: I racy Hillard			P.O. #:		
Address; Olzz N	City Carlehad			Company: XTO Energy Inc.	gy Inc.	
- 3	337 257-8307	State: NIVI	Zip: 88220	Attn: Amy Ruth		
Project #: 0301558334	4550004	Fax#:		iш	Green St.	
Project Name:	100000	Project Owner: XTO	ar: XTO	city: Carlsbad		
roject Name: PLU 29-20 Big Sinks #155H	LU 29-20 Big	Sinks #155H		State: NM Zip: 88220	20	
Project Location:						
Sampler Name: Connor Whitman	Connor Whitman	ס		Fax #:		
FOR LAB USE ONLY			MATRIX	ESERV		
			R	Onine Line		
Lab I.D.	Sample I.D.	D. Sample Depth	AB OR (C)O NTAINERS UNDWATER TEWATER	BASE:	PH Tex lorida	
H241380			# CO GRO WAS SOIL OIL SLUE		T B'Ch	
1	1056	0.5	1	w		
2	72055			-	1525	
Co	5003				1530	
4	SSOH				1530	
C	5005				1540	
6	3055				5451	
7	5507				1550	
0	3055				1555	
1	3507				600	
PLEASE NOTE: Liability and Damages, Cardinal's lie	amages. Cardinal's liability a	and client's exclusion remodutor an	~ ·	-	1605	
nalyses. All claims including the ervice. In no event shall Cardin filiates or successors arising ou	tose for negligence and any tal be liable for incidental or ut of or related to the perform	other cause whatsoever shall be d consequental damages, including a nance of services hereworks by Ca	analyses. All dahts including those for negligence and any other cause whatenever that be deen assay overnor cased in contract or tor, shall be limited to pite amount paid by the client for the service. In no event shall Cardinals be liable for liable for incidental or consequently and the service of the label for incidental or consequently and the service of the service of the applicable of the service of t	ort, shall be limited to the amount paid b zelved by Cardinal within 30 days after or of use, or loss of profits incurred by diler	y the client for the impletion of the applicable it, its subsidiaries,	
Relinquished By:		3-18-24	Received By:	sed upon any of the above stated reason	ilt: 🗆 Yes	□ No Add'I Phone #:
Relinguished By:		1004	Munda	Charles of the same of the sam	TMorrissey@ensolum.com	om TH://o/JOEs
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×	Cura	Corrected lemp. C	No No No		Thermometer ID #443 #/40	#140 21.ch Yes Yes Observed lemp. C



April 09, 2024

BEN BELILL

ENSOLUM

3122 NATIONAL PARKS HWY

CARLSBAD, NM 88220

RE: PLU 29-20 BIG SINKS #155H

Enclosed are the results of analyses for samples received by the laboratory on 04/04/24 13:20.

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)

Celey D. Keine

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 04/04/2024 Sampling Date: 04/02/2024

Reported: 04/09/2024 Sampling Type: Soil

Project Name: PLU 29-20 BIG SINKS #155H Sampling Condition: Cool & Intact Project Number: 03C1558331 Sample Received By: Dionica Hinojos

Project Location: XTO 32.104774, -103.81724

Sample ID: CS 01 0.5' (H241751-01)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/05/2024	ND	2.09	104	2.00	0.924	
Toluene*	<0.050	0.050	04/05/2024	ND	2.04	102	2.00	0.859	
Ethylbenzene*	<0.050	0.050	04/05/2024	ND	1.97	98.6	2.00	0.643	
Total Xylenes*	<0.150	0.150	04/05/2024	ND	5.70	94.9	6.00	0.472	
Total BTEX	<0.300	0.300	04/05/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	89.6	% 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	352	16.0	04/09/2024	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/05/2024	ND	210	105	200	2.07	
DRO >C10-C28*	<10.0	10.0	04/05/2024	ND	203	102	200	0.417	
EXT DRO >C28-C36	<10.0	10.0	04/05/2024	ND					
Surrogate: 1-Chlorooctane	98.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	104	% 49.1-14	8						

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Celey D. Keene



Analytical Results For:

ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 04/04/2024 Sampling Date: 04/02/2024

Reported: 04/09/2024 Sampling Type: Soil

Project Name: PLU 29-20 BIG SINKS #155H Sampling Condition: Cool & Intact Sample Received By: Project Number: 03C1558331 Dionica Hinojos

Project Location: XTO 32.104774, -103.81724

Sample ID: CS 02 0.5' (H241751-02)

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	04/05/2024	ND	2.09	104	2.00	0.924	
Toluene*	<0.050	0.050	04/05/2024	ND	2.04	102	2.00	0.859	
Ethylbenzene*	<0.050	0.050	04/05/2024	ND	1.97	98.6	2.00	0.643	
Total Xylenes*	<0.150	0.150	04/05/2024	ND	5.70	94.9	6.00	0.472	
Total BTEX	<0.300	0.300	04/05/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	90.3	% 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	304	16.0	04/09/2024	ND	416	104	400	3.77	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/05/2024	ND	210	105	200	2.07	
DRO >C10-C28*	23.8	10.0	04/05/2024	ND	203	102	200	0.417	
EXT DRO >C28-C36	<10.0	10.0	04/05/2024	ND					
Surrogate: 1-Chlorooctane	108 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	114 9	% 49.1-14	8						

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Celey D. Keene



Analytical Results For:

ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 04/04/2024 Sampling Date: 04/02/2024

Reported: 04/09/2024 Sampling Type: Soil

Project Name: PLU 29-20 BIG SINKS #155H Sampling Condition: Cool & Intact Sample Received By: Project Number: 03C1558331 Dionica Hinojos

Project Location: XTO 32.104774, -103.81724

Sample ID: CS 03 0.5' (H241751-03)

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	04/05/2024	ND	2.09	104	2.00	0.924	
Toluene*	<0.050	0.050	04/05/2024	ND	2.04	102	2.00	0.859	
Ethylbenzene*	<0.050	0.050	04/05/2024	ND	1.97	98.6	2.00	0.643	
Total Xylenes*	<0.150	0.150	04/05/2024	ND	5.70	94.9	6.00	0.472	
Total BTEX	<0.300	0.300	04/05/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	90.0	% 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	416	16.0	04/09/2024	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/05/2024	ND	210	105	200	2.07	
DRO >C10-C28*	<10.0	10.0	04/05/2024	ND	203	102	200	0.417	
EXT DRO >C28-C36	<10.0	10.0	04/05/2024	ND					
Surrogate: 1-Chlorooctane	113 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	122	% 49.1-14	8						

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Celey D. Keene



Analytical Results For:

ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 04/04/2024 Sampling Date: 04/02/2024

Reported: 04/09/2024 Sampling Type: Soil

Project Name: PLU 29-20 BIG SINKS #155H Sampling Condition: Cool & Intact
Project Number: 03C1558331 Sample Received By: Dionica Hinojos

Analyzed By: JH

Project Location: XTO 32.104774, -103.81724

mg/kg

Sample ID: CS 04 0.5' (H241751-04)

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	04/05/2024	ND	2.09	104	2.00	0.924	
Toluene*	<0.050	0.050	04/05/2024	ND	2.04	102	2.00	0.859	
Ethylbenzene*	<0.050	0.050	04/05/2024	ND	1.97	98.6	2.00	0.643	
Total Xylenes*	<0.150	0.150	04/05/2024	ND	5.70	94.9	6.00	0.472	
Total BTEX	<0.300	0.300	04/05/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	90.7	% 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	128	16.0	04/09/2024	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/05/2024	ND	210	105	200	2.07	
DRO >C10-C28*	<10.0	10.0	04/05/2024	ND	203	102	200	0.417	
EXT DRO >C28-C36	<10.0	10.0	04/05/2024	ND					
Surrogate: 1-Chlorooctane	83.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	88.0	% 49.1-14	8						

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Celey D. Keene



Analytical Results For:

ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 04/04/2024 Sampling Date: 04/02/2024

Reported: 04/09/2024 Sampling Type: Soil

Project Name: PLU 29-20 BIG SINKS #155H Sampling Condition: Cool & Intact
Project Number: 03C1558331 Sample Received By: Dionica Hinojos

Project Location: XTO 32.104774, -103.81724

Sample ID: CS 05 0.5' (H241751-05)

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	04/05/2024	ND	2.09	104	2.00	0.924	
Toluene*	<0.050	0.050	04/05/2024	ND	2.04	102	2.00	0.859	
Ethylbenzene*	<0.050	0.050	04/05/2024	ND	1.97	98.6	2.00	0.643	
Total Xylenes*	<0.150	0.150	04/05/2024	ND	5.70	94.9	6.00	0.472	
Total BTEX	<0.300	0.300	04/05/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	90.1	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	368	16.0	04/09/2024	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/05/2024	ND	210	105	200	2.07	
DRO >C10-C28*	13.8	10.0	04/05/2024	ND	203	102	200	0.417	
EXT DRO >C28-C36	<10.0	10.0	04/05/2024	ND					
Surrogate: 1-Chlorooctane	87.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	94.4	% 49.1-14	8						

Surrogate: 1-Chlorooctadecane 94.4 % 49.1-148

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Celey D. Kune



Analytical Results For:

ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 04/04/2024 Sampling Date: 04/02/2024

Reported: 04/09/2024 Sampling Type: Soil

Project Name: PLU 29-20 BIG SINKS #155H Sampling Condition: Cool & Intact
Project Number: 03C1558331 Sample Received By: Dionica Hinojos

Applyzod By: 14

Project Location: XTO 32.104774, -103.81724

ma/ka

Sample ID: CS 06 0.5' (H241751-06)

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	04/05/2024	ND	2.09	104	2.00	0.924	
Toluene*	<0.050	0.050	04/05/2024	ND	2.04	102	2.00	0.859	
Ethylbenzene*	<0.050	0.050	04/05/2024	ND	1.97	98.6	2.00	0.643	
Total Xylenes*	<0.150	0.150	04/05/2024	ND	5.70	94.9	6.00	0.472	
Total BTEX	<0.300	0.300	04/05/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	90.5	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1490	16.0	04/09/2024	ND	400	100	400	7.69	QM-07
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/05/2024	ND	210	105	200	2.07	
DRO >C10-C28*	25.0	10.0	04/05/2024	ND	203	102	200	0.417	
EXT DRO >C28-C36	<10.0	10.0	04/05/2024	ND					
Surrogate: 1-Chlorooctane	84.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	91.5	% 49.1-14	8						

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Celey & Keene



Analytical Results For:

ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 04/04/2024 Sampling Date: 04/02/2024

Reported: 04/09/2024 Sampling Type: Soil

Project Name: PLU 29-20 BIG SINKS #155H Sampling Condition: Cool & Intact Sample Received By: Project Number: 03C1558331 Dionica Hinojos

Project Location: XTO 32.104774, -103.81724

Sample ID: CS 07 0.5' (H241751-07)

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	04/05/2024	ND	2.09	104	2.00	0.924	
Toluene*	<0.050	0.050	04/05/2024	ND	2.04	102	2.00	0.859	
Ethylbenzene*	<0.050	0.050	04/05/2024	ND	1.97	98.6	2.00	0.643	
Total Xylenes*	<0.150	0.150	04/05/2024	ND	5.70	94.9	6.00	0.472	
Total BTEX	<0.300	0.300	04/05/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	89.5	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	04/09/2024	ND	400	100	400	7.69	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/05/2024	ND	210	105	200	2.07	
DRO >C10-C28*	<10.0	10.0	04/05/2024	ND	203	102	200	0.417	
EXT DRO >C28-C36	<10.0	10.0	04/05/2024	ND					
Surrogate: 1-Chlorooctane	111 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	120 9	% 49.1-14	8						

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Celey D. Keene



Analytical Results For:

ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 04/04/2024 Sampling Date: 04/02/2024

Reported: 04/09/2024 Sampling Type: Soil

Project Name: PLU 29-20 BIG SINKS #155H Sampling Condition: Cool & Intact Sample Received By: Project Number: 03C1558331 Dionica Hinojos

Project Location: XTO 32.104774, -103.81724

Sample ID: CS 08 0.5' (H241751-08)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/05/2024	ND	2.09	104	2.00	0.924	
Toluene*	<0.050	0.050	04/05/2024	ND	2.04	102	2.00	0.859	
Ethylbenzene*	<0.050	0.050	04/05/2024	ND	1.97	98.6	2.00	0.643	
Total Xylenes*	<0.150	0.150	04/05/2024	ND	5.70	94.9	6.00	0.472	
Total BTEX	<0.300	0.300	04/05/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	89.4	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	624	16.0	04/09/2024	ND	400	100	400	7.69	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/05/2024	ND	210	105	200	2.07	
DRO >C10-C28*	11.9	10.0	04/05/2024	ND	203	102	200	0.417	
EXT DRO >C28-C36	<10.0	10.0	04/05/2024	ND					
Surrogate: 1-Chlorooctane	88.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	94.9	% 49.1-14	8						

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Analytical Results For:

ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 04/04/2024 Sampling Date: 04/02/2024

Reported: 04/09/2024 Sampling Type: Soil

Project Name: PLU 29-20 BIG SINKS #155H Sampling Condition: Cool & Intact Sample Received By: Project Number: 03C1558331 Dionica Hinojos

Project Location: XTO 32.104774, -103.81724

Sample ID: CS 09 0.5' (H241751-09)

BTEX 8021B	mg/	'kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/05/2024	ND	2.09	104	2.00	0.924	
Toluene*	<0.050	0.050	04/05/2024	ND	2.04	102	2.00	0.859	
Ethylbenzene*	<0.050	0.050	04/05/2024	ND	1.97	98.6	2.00	0.643	
Total Xylenes*	<0.150	0.150	04/05/2024	ND	5.70	94.9	6.00	0.472	
Total BTEX	<0.300	0.300	04/05/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	90.6	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	04/09/2024	ND	400	100	400	7.69	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/05/2024	ND	210	105	200	2.07	
DRO >C10-C28*	<10.0	10.0	04/05/2024	ND	203	102	200	0.417	
EXT DRO >C28-C36	<10.0	10.0	04/05/2024	ND					
Surrogate: 1-Chlorooctane	95.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	105 9	% 49.1-14	8						

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Analytical Results For:

ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 04/04/2024 Sampling Date: 04/02/2024

Reported: 04/09/2024 Sampling Type: Soil

Project Name: PLU 29-20 BIG SINKS #155H Sampling Condition: Cool & Intact
Project Number: 03C1558331 Sample Received By: Dionica Hinojos

Applyzod By: 14

Project Location: XTO 32.104774, -103.81724

Sample ID: CS 10 0.5' (H241751-10)

RTFY 8021R

Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD	BIEX 8021B	тд/кд		Analyzed By: JH						
Toluene* Co.050 0.050	Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Ethylbenzene* <0.050 0.050 04/05/2024 ND 1.97 98.6 2.00 0.643 Total Xylenes* <0.150 0.150 04/05/2024 ND 5.70 94.9 6.00 0.472 Total BTEX <0.300 0.300 04/05/2024 ND 5.70 94.9 6.00 0.472 Surrogate: 4-Bromofluorobenzene (PID 89.9 % 71.5-134 Chloride, SM4500Cl-B mg/ky Analyzed By: HM Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD Chloride 432 16.0 04/09/2024 ND 400 100 400 7.69 TH 8015M mg/ky Analyzed By: MS Analyte Result Reporting Limit Analyzed By: MS Analyte Result Reporting Limit Analyzed By: MS Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD GRO C6-C10* <10.0 10.0 04/05/2024 ND 210 105 200 2.07 DRO >C10-C28* <10.0 10.0 04/05/2024 ND 203 102 200 0.417 EXT DRO >C28-C36 <10.0 10.0 04/05/2024 ND Surrogate: 1-Chlorooctane 93.6 % 48.2-134	Benzene*	<0.050	0.050	04/05/2024	ND	2.09	104	2.00	0.924	
Total Xylenes* <0.150 0.150 04/05/2024 ND 5.70 94.9 6.00 0.472 Total BTEX <0.300 0.300 04/05/2024 ND Surrogate: 4-Bromofluorobenzene (PID 89.9 % 71.5-134 Chloride, SM4500Cl-B mg/kg Analyzed By: HM Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD Chloride 432 16.0 04/09/2024 ND 400 100 400 7.69 TPH 8015M mg/kg Analyzed By: MS Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD GRO C6-C10* <10.0 10.0 04/05/2024 ND 210 105 200 2.07 DRO >C10-C28* <10.0 10.0 04/05/2024 ND 203 102 200 0.417 EXT DRO >C28-C36 <10.0 10.0 04/05/2024 ND Surrogate: 1-Chlorooctane 93.6 % 48.2-134	Toluene*	<0.050	0.050	04/05/2024	ND	2.04	102	2.00	0.859	
Total BTEX <0.300 0.300 04/05/2024 ND Surrogate: 4-Bromofluorobenzene (PID 89.9 % 71.5-134 Chloride, SM4500Cl-B mg/kg Analyzed By: HM Analyte Result Reporting Limit Reporting Limit Analyzed ND 400 100 400 7.69 TPH 8015M mg/kg Analyzed By: MS Analyte Result Reporting Limit Analyzed Method Blank BS Recovery True Value QC RPD GRO C6-C10* <10.0	Ethylbenzene*	<0.050	0.050	04/05/2024	ND	1.97	98.6	2.00	0.643	
Surrogate: 4-Bromofluorobenzene (PID 89.9 % 71.5-134 Chloride, SM4500Cl-B mg/kg Analyzed By: HM Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD Chloride 432 16.0 04/09/2024 ND 400 100 400 7.69 TPH 8015M mg/kg Analyzed By: MS Method Blank BS % Recovery True Value QC RPD GRO C6-C10* <10.0	Total Xylenes*	<0.150	0.150	04/05/2024	ND	5.70	94.9	6.00	0.472	
Chloride, SM4500Cl-B mg/kg Analyzed By: HM Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD Chloride 432 16.0 04/09/2024 ND 400 100 400 7.69 TPH 8015M mg/kg Analyzed By: MS Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD GRO C6-C10* <10.0	Total BTEX	<0.300	0.300	04/05/2024	ND					
Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD Chloride 432 16.0 04/09/2024 ND 400 100 400 7.69 TPH 8015M mg/kg Analyzed By: MS Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD GRO C6-C10* <10.0 10.0 04/05/2024 ND 210 105 200 2.07 DRO >C10-C28* <10.0 10.0 04/05/2024 ND 203 102 200 0.417 EXT DRO >C28-C36 <10.0 10.0 04/05/2024 ND Surrogate: 1-Chlorooctane 93.6 % 48.2-134	Surrogate: 4-Bromofluorobenzene (PID	89.9	% 71.5-13	4						
Chloride 432 16.0 04/09/2024 ND 400 100 400 7.69 TPH 8015M mg/kg Analyzed By: MS Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD GRO C6-C10* <10.0 10.0 04/05/2024 ND 210 105 200 2.07 DRO >C10-C28* <10.0 10.0 04/05/2024 ND 203 102 200 0.417 EXT DRO >C28-C36 <10.0 10.0 04/05/2024 ND ND ** *	Chloride, SM4500CI-B	mg/kg		Analyzed By: HM						
TPH 8015M mg/kg Analyzed By: MS Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD GRO C6-C10* <10.0	Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD GRO C6-C10* <10.0	Chloride	432	16.0	04/09/2024	ND	400	100	400	7.69	
GRO C6-C10* <10.0 10.0 04/05/2024 ND 210 105 200 2.07 DRO >C10-C28* <10.0 10.0 04/05/2024 ND 203 102 200 0.417 EXT DRO >C28-C36 <10.0 10.0 04/05/2024 ND Surrogate: 1-Chlorooctane 93.6% 48.2-134	TPH 8015M	mg	/kg	Analyze	d By: MS					
DRO >C10-C28* < 10.0 10.0 04/05/2024 ND 203 102 200 0.417 EXT DRO >C28-C36 <10.0 10.0 04/05/2024 ND Surrogate: 1-Chlorooctane 93.6 % 48.2-134	Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
EXT DRO >C28-C36 <10.0 10.0 04/05/2024 ND Surrogate: 1-Chlorooctane 93.6 % 48.2-134	GRO C6-C10*	<10.0	10.0	04/05/2024	ND	210	105	200	2.07	
Surrogate: 1-Chlorooctane 93.6 % 48.2-134	DRO >C10-C28*	<10.0	10.0	04/05/2024	ND	203	102	200	0.417	
	EXT DRO >C28-C36	<10.0	10.0	04/05/2024	ND					
Surrogate: 1-Chlorooctadecane 102 % 49.1-148	Surrogate: 1-Chlorooctane	93.6	% 48.2-13	4						
	Surrogate: 1-Chlorooctadecane	102	% 49.1-14	8						

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Analytical Results For:

ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 04/04/2024 Sampling Date: 04/02/2024

Reported: 04/09/2024 Sampling Type: Soil

Project Name: PLU 29-20 BIG SINKS #155H Sampling Condition: Cool & Intact Sample Received By: Project Number: 03C1558331 Dionica Hinojos

Project Location: XTO 32.104774, -103.81724

Sample ID: CS 11 0.5' (H241751-11)

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	04/05/2024	ND	2.09	104	2.00	0.924	
Toluene*	<0.050	0.050	04/05/2024	ND	2.04	102	2.00	0.859	
Ethylbenzene*	<0.050	0.050	04/05/2024	ND	1.97	98.6	2.00	0.643	
Total Xylenes*	<0.150	0.150	04/05/2024	ND	5.70	94.9	6.00	0.472	
Total BTEX	<0.300	0.300	04/05/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	90.0	% 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	384	16.0	04/09/2024	ND	400	100	400	7.69	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/05/2024	ND	210	105	200	2.07	
DRO >C10-C28*	70.6	10.0	04/05/2024	ND	203	102	200	0.417	
EXT DRO >C28-C36	<10.0	10.0	04/05/2024	ND					
Surrogate: 1-Chlorooctane	99.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	109	% 49.1-14	8						

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Analytical Results For:

ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 04/04/2024 Sampling Date: 04/02/2024

Reported: 04/09/2024 Sampling Type: Soil

Project Name: PLU 29-20 BIG SINKS #155H Sampling Condition: Cool & Intact
Project Number: 03C1558331 Sample Received By: Dionica Hinojos

Applyzod By: 14

Project Location: XTO 32.104774, -103.81724

Sample ID: CS 12 0.5' (H241751-12)

RTFY 8021R

BIEX 8021B	тд/кд		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/05/2024	ND	2.09	104	2.00	0.924	
Toluene*	< 0.050	0.050	04/05/2024	ND	2.04	102	2.00	0.859	
Ethylbenzene*	<0.050	0.050	04/05/2024	ND	1.97	98.6	2.00	0.643	
Total Xylenes*	<0.150	0.150	04/05/2024	ND	5.70	94.9	6.00	0.472	
Total BTEX	<0.300	0.300	04/05/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	89.5	% 71.5-13	4						
Chloride, SM4500CI-B	mg/kg		Analyze	Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	656	16.0	04/09/2024	ND	400	100	400	7.69	
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	04/05/2024	ND	210	105	200	2.07	
DRO >C10-C28*	<10.0	10.0	04/05/2024	ND	203	102	200	0.417	
EXT DRO >C28-C36	<10.0	10.0	04/05/2024	ND					
Surrogate: 1-Chlorooctane	106	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	116	% 49.1-14	8						

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Analytical Results For:

ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 04/04/2024 Sampling Date: 04/02/2024

Reported: 04/09/2024 Sampling Type: Soil

Project Name: PLU 29-20 BIG SINKS #155H Sampling Condition: Cool & Intact Project Number: Sample Received By: 03C1558331 Dionica Hinojos

Project Location: XTO 32.104774, -103.81724

Sample ID: CS 13 0.5' (H241751-13)

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	04/05/2024	ND	2.09	104	2.00	0.924	
Toluene*	<0.050	0.050	04/05/2024	ND	2.04	102	2.00	0.859	
Ethylbenzene*	<0.050	0.050	04/05/2024	ND	1.97	98.6	2.00	0.643	
Total Xylenes*	<0.150	0.150	04/05/2024	ND	5.70	94.9	6.00	0.472	
Total BTEX	<0.300	0.300	04/05/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	89.8	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	04/09/2024	ND	400	100	400	7.69	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/05/2024	ND	210	105	200	2.07	
DRO >C10-C28*	<10.0	10.0	04/05/2024	ND	203	102	200	0.417	
EXT DRO >C28-C36	<10.0	10.0	04/05/2024	ND					
Surrogate: 1-Chlorooctane	111 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	122 9	% 49.1-14	8						

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Analytical Results For:

ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 04/04/2024 Sampling Date: 04/02/2024

Reported: 04/09/2024 Sampling Type: Soil

Project Name: PLU 29-20 BIG SINKS #155H Sampling Condition: Cool & Intact
Project Number: 03C1558331 Sample Received By: Dionica Hinojos

Analyzed By: JH

Project Location: XTO 32.104774, -103.81724

mg/kg

Sample ID: CS 14 0.5' (H241751-14)

BTEX 8021B

	9/	9	7						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/05/2024	ND	2.09	104	2.00	0.924	
Toluene*	<0.050	0.050	04/05/2024	ND	2.04	102	2.00	0.859	
Ethylbenzene*	<0.050	0.050	04/05/2024	ND	1.97	98.6	2.00	0.643	
Total Xylenes*	<0.150	0.150	04/05/2024	ND	5.70	94.9	6.00	0.472	
Total BTEX	<0.300	0.300	04/05/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	89.7	% 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	176	16.0	04/09/2024	ND	400	100	400	7.69	
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	04/05/2024	ND	199	99.7	200	0.365	
DRO >C10-C28*	<10.0	10.0	04/05/2024	ND	199	99.6	200	3.41	
EXT DRO >C28-C36	<10.0	10.0	04/05/2024	ND					
Surrogate: 1-Chlorooctane	101	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	98.8	% 49.1-14	8						

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Analytical Results For:

ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 04/04/2024 Sampling Date: 04/02/2024

Reported: 04/09/2024 Sampling Type: Soil

Project Name: PLU 29-20 BIG SINKS #155H Sampling Condition: Cool & Intact Sample Received By: Project Number: 03C1558331 Dionica Hinojos

Project Location: XTO 32.104774, -103.81724

Sample ID: CS 15 0.5' (H241751-15)

BTEX 8021B	mg/	/kg	Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/05/2024	ND	2.01	101	2.00	0.269	
Toluene*	<0.050	0.050	04/05/2024	ND	2.01	101	2.00	0.0586	
Ethylbenzene*	<0.050	0.050	04/05/2024	ND	1.96	97.8	2.00	0.276	
Total Xylenes*	<0.150	0.150	04/05/2024	ND	5.95	99.2	6.00	0.461	
Total BTEX	<0.300	0.300	04/05/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	103 9	% 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	480	16.0	04/09/2024	ND	400	100	400	7.69	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/05/2024	ND	199	99.7	200	0.365	
DRO >C10-C28*	<10.0	10.0	04/05/2024	ND	199	99.6	200	3.41	
EXT DRO >C28-C36	<10.0	10.0	04/05/2024	ND					
Surrogate: 1-Chlorooctane	99.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	98.2	% 49.1-14	8						

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Celey D. Keene



Analytical Results For:

ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 04/04/2024 Sampling Date: 04/02/2024

Reported: 04/09/2024 Sampling Type: Soil

Project Name: PLU 29-20 BIG SINKS #155H Sampling Condition: Cool & Intact
Project Number: 03C1558331 Sample Received By: Dionica Hinojos

Project Location: XTO 32.104774, -103.81724

Sample ID: CS 16 0.5' (H241751-16)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/05/2024	ND	2.01	101	2.00	0.269	
Toluene*	<0.050	0.050	04/05/2024	ND	2.01	101	2.00	0.0586	
Ethylbenzene*	<0.050	0.050	04/05/2024	ND	1.96	97.8	2.00	0.276	
Total Xylenes*	<0.150	0.150	04/05/2024	ND	5.95	99.2	6.00	0.461	
Total BTEX	<0.300	0.300	04/05/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 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	672	16.0	04/09/2024	ND	400	100	400	7.69	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/05/2024	ND	199	99.7	200	0.365	
DRO >C10-C28*	<10.0	10.0	04/05/2024	ND	199	99.6	200	3.41	
EXT DRO >C28-C36	<10.0	10.0	04/05/2024	ND					
Surrogate: 1-Chlorooctane	97.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	94.4	% 49.1-14	18						

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Analytical Results For:

ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 04/04/2024 Sampling Date: 04/02/2024

Reported: 04/09/2024 Sampling Type: Soil

Project Name: PLU 29-20 BIG SINKS #155H Sampling Condition: Cool & Intact
Project Number: 03C1558331 Sample Received By: Dionica Hinojos

Applyzod By: 14

Project Location: XTO 32.104774, -103.81724

Sample ID: CS 17 0.5' (H241751-17)

RTFY 8021R

BIEX 8021B	тд/кд		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/05/2024	ND	2.01	101	2.00	0.269	
Toluene*	<0.050	0.050	04/05/2024	ND	2.01	101	2.00	0.0586	
Ethylbenzene*	<0.050	0.050	04/05/2024	ND	1.96	97.8	2.00	0.276	
Total Xylenes*	<0.150	0.150	04/05/2024	ND	5.95	99.2	6.00	0.461	
Total BTEX	<0.300	0.300	04/05/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 71.5-13	4						
Chloride, SM4500CI-B	mg/kg		Analyze	Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	400	16.0	04/09/2024	ND	400	100	400	7.69	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/05/2024	ND	199	99.7	200	0.365	
DRO >C10-C28*	54.3	10.0	04/05/2024	ND	199	99.6	200	3.41	
EXT DRO >C28-C36	<10.0	10.0	04/05/2024	ND					
Surrogate: 1-Chlorooctane	96.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	95.7	% 49.1-14	8						

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Analytical Results For:

ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 04/04/2024 Sampling Date: 04/02/2024

Reported: 04/09/2024 Sampling Type: Soil

Project Name: PLU 29-20 BIG SINKS #155H Sampling Condition: Cool & Intact
Project Number: 03C1558331 Sample Received By: Dionica Hinojos

Applyzod By: 14

Project Location: XTO 32.104774, -103.81724

Sample ID: CS 18 0.5' (H241751-18)

RTFY 8021R

BIEX 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	04/05/2024	ND	2.01	101	2.00	0.269	
Toluene*	<0.050	0.050	04/05/2024	ND	2.01	101	2.00	0.0586	
Ethylbenzene*	<0.050	0.050	04/05/2024	ND	1.96	97.8	2.00	0.276	
Total Xylenes*	<0.150	0.150	04/05/2024	ND	5.95	99.2	6.00	0.461	
Total BTEX	<0.300	0.300	04/05/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 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	960	16.0	04/09/2024	ND	400	100	400	7.69	
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	04/05/2024	ND	199	99.7	200	0.365	
DRO >C10-C28*	<10.0	10.0	04/05/2024	ND	199	99.6	200	3.41	
EXT DRO >C28-C36	<10.0	10.0	04/05/2024	ND					
Surrogate: 1-Chlorooctane	99.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	97.4	% 49.1-14	8						

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Analytical Results For:

ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 04/04/2024 Sampling Date: 04/02/2024

Reported: 04/09/2024 Sampling Type: Soil

Project Name: PLU 29-20 BIG SINKS #155H Sampling Condition: Cool & Intact Sample Received By: Project Number: 03C1558331 Dionica Hinojos

Project Location: XTO 32.104774, -103.81724

Sample ID: CS 19 0.5' (H241751-19)

BTEX 8021B	mg/	'kg	Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/05/2024	ND	2.01	101	2.00	0.269	
Toluene*	<0.050	0.050	04/05/2024	ND	2.01	101	2.00	0.0586	
Ethylbenzene*	<0.050	0.050	04/05/2024	ND	1.96	97.8	2.00	0.276	
Total Xylenes*	<0.150	0.150	04/05/2024	ND	5.95	99.2	6.00	0.461	
Total BTEX	<0.300	0.300	04/05/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 9	% 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	1010	16.0	04/09/2024	ND	400	100	400	7.69	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/05/2024	ND	199	99.7	200	0.365	
DRO >C10-C28*	154	10.0	04/05/2024	ND	199	99.6	200	3.41	
EXT DRO >C28-C36	<10.0	10.0	04/05/2024	ND					
Surrogate: 1-Chlorooctane	97.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	97.3	% 49.1-14	8						

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Analytical Results For:

ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 04/04/2024 Sampling Date: 04/02/2024

Reported: 04/09/2024 Sampling Type: Soil

Project Name: PLU 29-20 BIG SINKS #155H Sampling Condition: Cool & Intact
Project Number: 03C1558331 Sample Received By: Dionica Hinojos

Applyzod By: 14

Project Location: XTO 32.104774, -103.81724

Sample ID: CS 20 0.5' (H241751-20)

RTFY 8021R

B1EX 8021B	mg	/ kg	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/05/2024	ND	2.01	101	2.00	0.269	
Toluene*	<0.050	0.050	04/05/2024	ND	2.01	101	2.00	0.0586	
Ethylbenzene*	<0.050	0.050	04/05/2024	ND	1.96	97.8	2.00	0.276	
Total Xylenes*	<0.150	0.150	04/05/2024	ND	5.95	99.2	6.00	0.461	
Total BTEX	<0.300	0.300	04/05/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 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	912	16.0	04/09/2024	ND	400	100	400	7.69	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/05/2024	ND	199	99.7	200	0.365	
DRO >C10-C28*	249	10.0	04/05/2024	ND	199	99.6	200	3.41	
EXT DRO >C28-C36	13.1	10.0	04/05/2024	ND					
Surrogate: 1-Chlorooctane	85.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	89.7	% 49.1-14	8						

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Analytical Results For:

ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 04/04/2024 Sampling Date: 04/02/2024

Reported: 04/09/2024 Sampling Type: Soil

Project Name: PLU 29-20 BIG SINKS #155H Sampling Condition: Cool & Intact Sample Received By: Project Number: 03C1558331 Dionica Hinojos

Project Location: XTO 32.104774, -103.81724

Sample ID: CS 21 0.5' (H241751-21)

BTEX 8021B	mg/	/kg	Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/05/2024	ND	2.01	101	2.00	0.269	
Toluene*	<0.050	0.050	04/05/2024	ND	2.01	101	2.00	0.0586	
Ethylbenzene*	<0.050	0.050	04/05/2024	ND	1.96	97.8	2.00	0.276	
Total Xylenes*	<0.150	0.150	04/05/2024	ND	5.95	99.2	6.00	0.461	
Total BTEX	<0.300	0.300	04/05/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 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	800	16.0	04/09/2024	ND	400	100	400	7.69	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/05/2024	ND	199	99.7	200	0.365	
DRO >C10-C28*	<10.0	10.0	04/05/2024	ND	199	99.6	200	3.41	
EXT DRO >C28-C36	<10.0	10.0	04/05/2024	ND					
Surrogate: 1-Chlorooctane	88.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	84.9	% 49.1-14	8						

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Analytical Results For:

ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 04/04/2024 Sampling Date: 04/02/2024

Reported: 04/09/2024 Sampling Type: Soil

Project Name: PLU 29-20 BIG SINKS #155H Sampling Condition: Cool & Intact
Project Number: 03C1558331 Sample Received By: Dionica Hinojos

Project Location: XTO 32.104774, -103.81724

Sample ID: CS 22 0.5' (H241751-22)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/05/2024	ND	2.01	101	2.00	0.269	
Toluene*	<0.050	0.050	04/05/2024	ND	2.01	101	2.00	0.0586	
Ethylbenzene*	< 0.050	0.050	04/05/2024	ND	1.96	97.8	2.00	0.276	
Total Xylenes*	<0.150	0.150	04/05/2024	ND	5.95	99.2	6.00	0.461	
Total BTEX	<0.300	0.300	04/05/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 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	512	16.0	04/09/2024	ND	400	100	400	7.69	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/05/2024	ND	199	99.7	200	0.365	
DRO >C10-C28*	130	10.0	04/05/2024	ND	199	99.6	200	3.41	
EXT DRO >C28-C36	<10.0	10.0	04/05/2024	ND					
Surrogate: 1-Chlorooctane	86.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	84.4	% 49.1-14	8						

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Analytical Results For:

ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 04/04/2024 Sampling Date: 04/02/2024

Reported: 04/09/2024 Sampling Type: Soil

Project Name: PLU 29-20 BIG SINKS #155H Sampling Condition: Cool & Intact Sample Received By: Project Number: 03C1558331 Dionica Hinojos

Project Location: XTO 32.104774, -103.81724

Sample ID: CS 23 0.5' (H241751-23)

BTEX 8021B	mg/kg		Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/05/2024	ND	2.01	101	2.00	0.269	
Toluene*	<0.050	0.050	04/05/2024	ND	2.01	101	2.00	0.0586	
Ethylbenzene*	<0.050	0.050	04/05/2024	ND	1.96	97.8	2.00	0.276	
Total Xylenes*	<0.150	0.150	04/05/2024	ND	5.95	99.2	6.00	0.461	
Total BTEX	<0.300	0.300	04/05/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	103 5	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1060	16.0	04/09/2024	ND	400	100	400	7.69	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/05/2024	ND	199	99.7	200	0.365	
DRO >C10-C28*	69.0	10.0	04/05/2024	ND	199	99.6	200	3.41	
EXT DRO >C28-C36	<10.0	10.0	04/05/2024	ND					
Surrogate: 1-Chlorooctane	94.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	95.3	% 49.1-14	8						

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Analytical Results For:

ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 04/04/2024 Sampling Date: 04/02/2024

Reported: 04/09/2024 Sampling Type: Soil

Project Name: PLU 29-20 BIG SINKS #155H Sampling Condition: Cool & Intact Sample Received By: Project Number: 03C1558331 Dionica Hinojos

Project Location: XTO 32.104774, -103.81724

Sample ID: CS 24 0.5' (H241751-24)

BTEX 8021B	mg/kg		Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/05/2024	ND	2.01	101	2.00	0.269	
Toluene*	<0.050	0.050	04/05/2024	ND	2.01	101	2.00	0.0586	
Ethylbenzene*	<0.050	0.050	04/05/2024	ND	1.96	97.8	2.00	0.276	
Total Xylenes*	<0.150	0.150	04/05/2024	ND	5.95	99.2	6.00	0.461	
Total BTEX	<0.300	0.300	04/05/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	103 9	% 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	688	16.0	04/09/2024	ND	400	100	400	7.69	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/05/2024	ND	199	99.7	200	0.365	
DRO >C10-C28*	<10.0	10.0	04/05/2024	ND	199	99.6	200	3.41	
EXT DRO >C28-C36	<10.0	10.0	04/05/2024	ND					
Surrogate: 1-Chlorooctane	83.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	81.0	% 49.1-14	8						

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Analytical Results For:

ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 04/04/2024 Sampling Date: 04/02/2024

Reported: 04/09/2024 Sampling Type: Soil

Project Name: PLU 29-20 BIG SINKS #155H Sampling Condition: Cool & Intact Sample Received By: Project Number: 03C1558331 Dionica Hinojos

Project Location: XTO 32.104774, -103.81724

Sample ID: CS 25 0.5' (H241751-25)

BTEX 8021B	mg/kg		Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/05/2024	ND	2.01	101	2.00	0.269	
Toluene*	<0.050	0.050	04/05/2024	ND	2.01	101	2.00	0.0586	
Ethylbenzene*	<0.050	0.050	04/05/2024	ND	1.96	97.8	2.00	0.276	
Total Xylenes*	<0.150	0.150	04/05/2024	ND	5.95	99.2	6.00	0.461	
Total BTEX	<0.300	0.300	04/05/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	103 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	480	16.0	04/09/2024	ND	400	100	400	7.69	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/05/2024	ND	199	99.7	200	0.365	
DRO >C10-C28*	<10.0	10.0	04/05/2024	ND	199	99.6	200	3.41	
EXT DRO >C28-C36	<10.0	10.0	04/05/2024	ND					
Surrogate: 1-Chlorooctane	86.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	81.4	% 49.1-14	8						

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Sample Received By:

04/02/2024

Dionica Hinojos

Analytical Results For:

ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 04/04/2024 Sampling Date:

Reported: 04/09/2024 Sampling Type: Soil
Project Name: PLU 29-20 BIG SINKS #155H Sampling Condition: Cool & Intact

Project Number: 03C1558331

Project Location: XTO 32.104774, -103.81724

Sample ID: CS 26 0.5' (H241751-26)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/05/2024	ND	2.01	101	2.00	0.269	
Toluene*	<0.050	0.050	04/05/2024	ND	2.01	101	2.00	0.0586	
Ethylbenzene*	<0.050	0.050	04/05/2024	ND	1.96	97.8	2.00	0.276	
Total Xylenes*	<0.150	0.150	04/05/2024	ND	5.95	99.2	6.00	0.461	
Total BTEX	<0.300	0.300	04/05/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 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	640	16.0	04/09/2024	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	04/05/2024	ND	199	99.7	200	0.365	
DRO >C10-C28*	<10.0	10.0	04/05/2024	ND	199	99.6	200	3.41	
EXT DRO >C28-C36	<10.0	10.0	04/05/2024	ND					
Surrogate: 1-Chlorooctane	84.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	77.9	% 49.1-14	8						

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Analytical Results For:

ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 04/04/2024 Sampling Date: 04/02/2024

Reported: 04/09/2024 Sampling Type: Soil

Project Name: PLU 29-20 BIG SINKS #155H Sampling Condition: Cool & Intact
Project Number: 03C1558331 Sample Received By: Dionica Hinojos

Applyzod By: 14

Project Location: XTO 32.104774, -103.81724

Sample ID: CS 27 0.5' (H241751-27)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	а ву: ЈН					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/05/2024	ND	2.01	101	2.00	0.269	
Toluene*	<0.050	0.050	04/05/2024	ND	2.01	101	2.00	0.0586	
Ethylbenzene*	<0.050	0.050	04/05/2024	ND	1.96	97.8	2.00	0.276	
Total Xylenes*	<0.150	0.150	04/05/2024	ND	5.95	99.2	6.00	0.461	
Total BTEX	<0.300	0.300	04/05/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	ed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1020	16.0	04/09/2024	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	04/05/2024	ND	199	99.7	200	0.365	
DRO >C10-C28*	<10.0	10.0	04/05/2024	ND	199	99.6	200	3.41	
EXT DRO >C28-C36	<10.0	10.0	04/05/2024	ND					
Surrogate: 1-Chlorooctane	89.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	83.3	% 49.1-14	8						

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Analytical Results For:

ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 04/04/2024 Sampling Date: 04/02/2024

Reported: 04/09/2024 Sampling Type: Soil

Project Name: PLU 29-20 BIG SINKS #155H Sampling Condition: Cool & Intact
Project Number: 03C1558331 Sample Received By: Dionica Hinojos

Applyzod By: 14

Project Location: XTO 32.104774, -103.81724

ma/ka

Sample ID: CS 28 0.5' (H241751-28)

RTFY 8021R

Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<0.050	0.050	04/05/2024	ND	2.01	101	2.00	0.269	
<0.050	0.050	04/05/2024	ND	2.01	101	2.00	0.0586	
<0.050	0.050	04/05/2024	ND	1.96	97.8	2.00	0.276	
<0.150	0.150	04/05/2024	ND	5.95	99.2	6.00	0.461	
<0.300	0.300	04/05/2024	ND					
104 9	% 71.5-13	4						
mg/	kg	Analyze	d By: CT					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
352	16.0	04/09/2024	ND	432	108	400	0.00	
mg/	kg	Analyze	d By: MS					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<10.0	10.0	04/05/2024	ND	199	99.7	200	0.365	
13.4	10.0	04/05/2024	ND	199	99.6	200	3.41	
<10.0	10.0	04/05/2024	ND					
75.4	% 48.2-13	4						
70.0	% 49.1-14	8						
	<0.050 <0.050 <0.050 <0.150 <0.300 104 9 mg/ Result 352 mg/ Result <10.0 13.4 <10.0	<0.050 <0.050 <0.050 <0.050 <0.050 <0.150 <0.300 0.300 T1.5-13 mg/kg Result Reporting Limit 352 16.0 mg/kg Result Reporting Limit 41.5-13 10.0 10.0 13.4 10.0 48.2-13	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050

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Analytical Results For:

ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 04/04/2024 Sampling Date: 04/02/2024

Reported: 04/09/2024 Sampling Type: Soil

Project Name: PLU 29-20 BIG SINKS #155H Sampling Condition: Cool & Intact Sample Received By: Project Number: 03C1558331 Dionica Hinojos

Project Location: XTO 32.104774, -103.81724

Sample ID: CS 29 0.5' (H241751-29)

BTEX 8021B	mg/	'kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/05/2024	ND	2.01	101	2.00	0.269	
Toluene*	<0.050	0.050	04/05/2024	ND	2.01	101	2.00	0.0586	
Ethylbenzene*	<0.050	0.050	04/05/2024	ND	1.96	97.8	2.00	0.276	
Total Xylenes*	<0.150	0.150	04/05/2024	ND	5.95	99.2	6.00	0.461	
Total BTEX	<0.300	0.300	04/05/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	103 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	256	16.0	04/09/2024	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	04/05/2024	ND	199	99.7	200	0.365	
DRO >C10-C28*	<10.0	10.0	04/05/2024	ND	199	99.6	200	3.41	
EXT DRO >C28-C36	<10.0	10.0	04/05/2024	ND					
Surrogate: 1-Chlorooctane	103 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	97.2	% 49.1-14	8						

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Analytical Results For:

ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 04/04/2024 Sampling Date: 04/02/2024

Reported: 04/09/2024 Sampling Type: Soil

Project Name: PLU 29-20 BIG SINKS #155H Sampling Condition: Cool & Intact
Project Number: 03C1558331 Sample Received By: Dionica Hinojos

Applyzod By: 14

Project Location: XTO 32.104774, -103.81724

Sample ID: CS 30 0.5' (H241751-30)

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	04/05/2024	ND	2.01	101	2.00	0.269	
Toluene*	<0.050	0.050	04/05/2024	ND	2.01	101	2.00	0.0586	
Ethylbenzene*	<0.050	0.050	04/05/2024	ND	1.96	97.8	2.00	0.276	
Total Xylenes*	<0.150	0.150	04/05/2024	ND	5.95	99.2	6.00	0.461	
Total BTEX	<0.300	0.300	04/05/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 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	848	16.0	04/09/2024	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	04/05/2024	ND	199	99.7	200	0.365	
DRO >C10-C28*	<10.0	10.0	04/05/2024	ND	199	99.6	200	3.41	
EXT DRO >C28-C36	<10.0	10.0	04/05/2024	ND					
Surrogate: 1-Chlorooctane	102	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	94.7	% 49.1-14	8						

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Analytical Results For:

ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 04/04/2024 Sampling Date: 04/02/2024

Reported: 04/09/2024 Sampling Type: Soil

Project Name: PLU 29-20 BIG SINKS #155H Sampling Condition: Cool & Intact
Project Number: 03C1558331 Sample Received By: Dionica Hinojos

Applyzod By: 14

Project Location: XTO 32.104774, -103.81724

Sample ID: CS 31 0.5' (H241751-31)

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	04/05/2024	ND	2.01	101	2.00	0.269	
Toluene*	<0.050	0.050	04/05/2024	ND	2.01	101	2.00	0.0586	
Ethylbenzene*	<0.050	0.050	04/05/2024	ND	1.96	97.8	2.00	0.276	
Total Xylenes*	<0.150	0.150	04/05/2024	ND	5.95	99.2	6.00	0.461	
Total BTEX	<0.300	0.300	04/05/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 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	400	16.0	04/09/2024	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	04/05/2024	ND	199	99.7	200	0.365	
DRO >C10-C28*	<10.0	10.0	04/05/2024	ND	199	99.6	200	3.41	
EXT DRO >C28-C36	<10.0	10.0	04/05/2024	ND					
Surrogate: 1-Chlorooctane	97.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	91.4	% 49.1-14	8						

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Analytical Results For:

ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 04/04/2024 Sampling Date: 04/02/2024

Reported: 04/09/2024 Sampling Type: Soil

Project Name: PLU 29-20 BIG SINKS #155H Sampling Condition: Cool & Intact Sample Received By: Project Number: 03C1558331 Dionica Hinojos

Project Location: XTO 32.104774, -103.81724

Sample ID: CS 32 0.5' (H241751-32)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/05/2024	ND	2.01	101	2.00	0.269	
Toluene*	<0.050	0.050	04/05/2024	ND	2.01	101	2.00	0.0586	
Ethylbenzene*	<0.050	0.050	04/05/2024	ND	1.96	97.8	2.00	0.276	
Total Xylenes*	<0.150	0.150	04/05/2024	ND	5.95	99.2	6.00	0.461	
Total BTEX	<0.300	0.300	04/05/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	103 9	% 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	400	16.0	04/09/2024	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	04/05/2024	ND	199	99.7	200	0.365	
DRO >C10-C28*	<10.0	10.0	04/05/2024	ND	199	99.6	200	3.41	
EXT DRO >C28-C36	<10.0	10.0	04/05/2024	ND					
Surrogate: 1-Chlorooctane	77.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	71.9	% 49.1-14	8						

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Analytical Results For:

ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 04/04/2024 Sampling Date: 04/02/2024

Reported: 04/09/2024 Sampling Type: Soil

Project Name: PLU 29-20 BIG SINKS #155H Sampling Condition: Cool & Intact Sample Received By: Project Number: 03C1558331 Dionica Hinojos

Project Location: XTO 32.104774, -103.81724

Sample ID: CS 33 0.5' (H241751-33)

BTEX 8021B	mg/	'kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/05/2024	ND	2.01	101	2.00	0.269	
Toluene*	<0.050	0.050	04/05/2024	ND	2.01	101	2.00	0.0586	
Ethylbenzene*	<0.050	0.050	04/05/2024	ND	1.96	97.8	2.00	0.276	
Total Xylenes*	<0.150	0.150	04/05/2024	ND	5.95	99.2	6.00	0.461	
Total BTEX	<0.300	0.300	04/05/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	103 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	64.0	16.0	04/09/2024	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	04/05/2024	ND	199	99.7	200	0.365	
DRO >C10-C28*	<10.0	10.0	04/05/2024	ND	199	99.6	200	3.41	
EXT DRO >C28-C36	<10.0	10.0	04/05/2024	ND					
Surrogate: 1-Chlorooctane	92.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	86.7	% 49.1-14	8						

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Analytical Results For:

ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 04/04/2024 Sampling Date: 04/02/2024

Reported: 04/09/2024 Sampling Type: Soil

Project Name: PLU 29-20 BIG SINKS #155H Sampling Condition: Cool & Intact
Project Number: 03C1558331 Sample Received By: Dionica Hinojos

Project Location: XTO 32.104774, -103.81724

Sample ID: CS 34 0.5' (H241751-34)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/05/2024	ND	2.01	101	2.00	0.269	
Toluene*	<0.050	0.050	04/05/2024	ND	2.01	101	2.00	0.0586	
Ethylbenzene*	<0.050	0.050	04/05/2024	ND	1.96	97.8	2.00	0.276	
Total Xylenes*	<0.150	0.150	04/05/2024	ND	5.95	99.2	6.00	0.461	
Total BTEX	<0.300	0.300	04/05/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 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	512	16.0	04/09/2024	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	04/05/2024	ND	192	96.2	200	3.49	
DRO >C10-C28*	<10.0	10.0	04/05/2024	ND	189	94.5	200	2.49	
EXT DRO >C28-C36	<10.0	10.0	04/05/2024	ND					
Surrogate: 1-Chlorooctane	63.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	58.5	% 49.1-14	18						

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Analytical Results For:

ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 04/04/2024 Sampling Date: 04/02/2024

Reported: 04/09/2024 Sampling Type: Soil

Project Name: PLU 29-20 BIG SINKS #155H Sampling Condition: Cool & Intact Sample Received By: Project Number: 03C1558331 Dionica Hinojos

Project Location: XTO 32.104774, -103.81724

Sample ID: CS 35 0.5' (H241751-35)

BTEX 8021B	mg,	'kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/05/2024	ND	2.08	104	2.00	5.74	
Toluene*	<0.050	0.050	04/05/2024	ND	2.19	109	2.00	5.37	
Ethylbenzene*	<0.050	0.050	04/05/2024	ND	2.21	110	2.00	5.98	
Total Xylenes*	<0.150	0.150	04/05/2024	ND	6.60	110	6.00	5.70	
Total BTEX	<0.300	0.300	04/05/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 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	04/09/2024	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	04/05/2024	ND	192	96.2	200	3.49	
DRO >C10-C28*	<10.0	10.0	04/05/2024	ND	189	94.5	200	2.49	
EXT DRO >C28-C36	<10.0	10.0	04/05/2024	ND					
Surrogate: 1-Chlorooctane	93.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	91.3	% 49.1-14	8						

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Analytical Results For:

ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 04/04/2024 Sampling Date: 04/02/2024

Reported: 04/09/2024 Sampling Type: Soil

Project Name: PLU 29-20 BIG SINKS #155H Sampling Condition: Cool & Intact
Project Number: 03C1558331 Sample Received By: Dionica Hinojos

Applyzod By: 14

Project Location: XTO 32.104774, -103.81724

ma/ka

Sample ID: CS 36 0.5' (H241751-36)

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	04/05/2024	ND	2.08	104	2.00	5.74	
Toluene*	<0.050	0.050	04/05/2024	ND	2.19	109	2.00	5.37	
Ethylbenzene*	<0.050	0.050	04/05/2024	ND	2.21	110	2.00	5.98	
Total Xylenes*	<0.150	0.150	04/05/2024	ND	6.60	110	6.00	5.70	
Total BTEX	<0.300	0.300	04/05/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	113	% 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	800	16.0	04/09/2024	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	04/05/2024	ND	192	96.2	200	3.49	
DRO >C10-C28*	<10.0	10.0	04/05/2024	ND	189	94.5	200	2.49	
EXT DRO >C28-C36	<10.0	10.0	04/05/2024	ND					
Surrogate: 1-Chlorooctane	101	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	92.6	% 49.1-14	8						

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Analytical Results For:

ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 04/04/2024 Sampling Date: 04/02/2024

Reported: 04/09/2024 Sampling Type: Soil

Project Name: PLU 29-20 BIG SINKS #155H Sampling Condition: Cool & Intact Sample Received By: Project Number: 03C1558331 Dionica Hinojos

Project Location: XTO 32.104774, -103.81724

Sample ID: CS 37 0.5' (H241751-37)

BTEX 8021B	mg/	'kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/05/2024	ND	2.08	104	2.00	5.74	
Toluene*	<0.050	0.050	04/05/2024	ND	2.19	109	2.00	5.37	
Ethylbenzene*	<0.050	0.050	04/05/2024	ND	2.21	110	2.00	5.98	
Total Xylenes*	<0.150	0.150	04/05/2024	ND	6.60	110	6.00	5.70	
Total BTEX	<0.300	0.300	04/05/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	112 9	% 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	224	16.0	04/09/2024	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	04/05/2024	ND	192	96.2	200	3.49	
DRO >C10-C28*	<10.0	10.0	04/05/2024	ND	189	94.5	200	2.49	
EXT DRO >C28-C36	<10.0	10.0	04/05/2024	ND					
Surrogate: 1-Chlorooctane	98.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	92.7	% 49.1-14	8						

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Analytical Results For:

ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 04/04/2024 Sampling Date: 04/02/2024

Reported: 04/09/2024 Sampling Type: Soil

Project Name: PLU 29-20 BIG SINKS #155H Sampling Condition: Cool & Intact Sample Received By: Project Number: 03C1558331 Dionica Hinojos

Project Location: XTO 32.104774, -103.81724

Sample ID: CS 38 0.5' (H241751-38)

BTEX 8021B	mg	'kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/05/2024	ND	2.08	104	2.00	5.74	
Toluene*	<0.050	0.050	04/05/2024	ND	2.19	109	2.00	5.37	
Ethylbenzene*	<0.050	0.050	04/05/2024	ND	2.21	110	2.00	5.98	
Total Xylenes*	<0.150	0.150	04/05/2024	ND	6.60	110	6.00	5.70	
Total BTEX	<0.300	0.300	04/05/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	114	% 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	80.0	16.0	04/09/2024	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	04/05/2024	ND	192	96.2	200	3.49	
DRO >C10-C28*	<10.0	10.0	04/05/2024	ND	189	94.5	200	2.49	
EXT DRO >C28-C36	<10.0	10.0	04/05/2024	ND					
Surrogate: 1-Chlorooctane	92.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	83.5	% 49.1-14	8						

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Notes and Definitions

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

recovery.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

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

*** Insufficient time to reach temperature.

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

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

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Celeg D. Freene

Sampler - UPS - Bus - Other:

CIKINI-UUD K 3.Z IUIUIIZ

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

Delivered By: (Circle One)

Observed Temp. °C Corrected Tomp. °C

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Sample Condition
Cool Intact
Yes 7 Yes

CHECKED BY:

(Inflials)

Thermometer ID furnaround Time:

444 DES

Rush

Bacteria (only) Sample Condition
Cool Intact Observed Temp.

Yes Yes
No No Corrected Temp.

ô

Corrected Temp. °C



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Relinquished By: Refinguished By: service. In no event shall Cardinal be Hable for broidental or consequental damages, including without finitiation, business interrup analyses. All claims including trose for negligence and any other cause whatsoever shall be deemed Project Manager: Ben Project Location: 32.104774 Project Name: PLU 29-20 BIQ Carlsbac Sampler Name: Phone #: Company Name: Ensolum, LLC FOR LAB USE ONLY Iddress: 3122 National Lab I.D 989 - 854-0852 Fax # Domisi 101 East Marland, Hobbs, NW 88240 Sample I.D. of or related to the performance S02 S03 (575) 393-2326 FAX (575) 393-2476 7 505 HOS 558331 SOF SOT 300 508 Belill Parks nti Date:/4/24 1000 Jimit Date:1/3/24 of services hereunder by Cardinal, Project Owner: SINKS State: NM Zip: Depth (feet) -103.8 llana i HWU # Received By: Received By: (G)RAB OR (C)OMP 5 asseg waremer seeset in contract or tori, chail be tinited to the emount paid by the chem for the vaired unders made in wifeing and received by Cartanta within 30 days other completion of the applicable firnitation, business interruptions, loss of uses, or loss of profile incurred by client, its subsidiantes, 1724 # CONTAINERS びエ 88220 GROUNDWATER WASTEWATER SOIL MATRIX OIL SLUDGE OTHER : Fax #: P.O. # Phone #: State: NM Zip: 88/20 City: Carlsbad Attn: AM Company: XT() Address: 3104 E ACID/BASE: PRESERV. ICE COOL OTHER: BILL TO 42 DATE SAMPLING Energy breene Verbal Result: D Yes All No Add'l Phone #:
All Results are emailed. Please provide Email address:
bbclille ensulvin.com 1.00% REMARKS: APT TOST 556 552 550 15.46 15.51 1600 1558 218 400 TIME Chlorides 20 Fer: 22589 41001 30-015-54267 TPH BTEX ANALYSIS REQUEST 4 40

Po	age 82 of 1.
101 East Marland, Hobbs, NW 88240 (576) 393-2326 FAX (575) 393-2476 Company Name: Ensolum, LLC	CARDINAL
2 of 4	CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East (675) 3	101 East Marland, Hobbs, NW 88240 (575) 393-2326 FAX (575) 393-2476		9 of LL
Company Name: Ensolum, LLC			
Project Manager: 500	Belill	Of a spenner	ANALYSIS REQUEST
ALLO N	117 3182 National Parks Hwy	company: XTO FREKOU	
# 0 0 0 - 0 C i	2000	Amy Ruth	
35	りて「農衆	Address: 5184 E. Greene St	
20100 Se 30alor	City:	b. Rds 146.3	
Project Name: LU L	S #155H	NM Zip:	
Project Location:	04114,4103.81724 Pho	*	
Sampler Name: (()	Janti Hana	*	
FOR LAB USE ONLY	MATRIX	PRESERV. SAMPLING	
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Relinquished By:	ed By: Date: 4/3/24 Received By:	Yes	No Add' Phone II-
Relinquished By:	1600	P.M.M.	d. Pléase provide Email address:
	Time: (1/1/)) Received By:	timptors +	* nApp2405152557
Delivered By: (Circle One)	°C Sample Condition	API: 30-015-5	15
Sampler - UPS - Bus - Other:	Corrected Tomo. C	-	Cool Intact Observed Temp. oc



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Manner: Labolum, LLC	Habean com	trias to color locate and in-	Cardinal cannot accept verbal changes. Please email changes to celey/teene@cardinallabsnm.com	nal cannot accept v	† Cardii		
State: NM ZID: 80220 Address: AM PARTY FWY State: NM ZID: 80220 Address: STOUL F. GREEDY Address: AM PARTY FWY Company: XTO FROUTY Address: AM PARTY PA	Bacteria (only) s Cool Infact Diver Dives	書	6	OF!#	Corrected Tom	Bus - Other:	rokw-wos -
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X Chionide X TPH BTEX AMALYSIS		to by the classifier the	based in contract or fort, chall be limited to the amount parade in uniting and received by Cardinal webs. In Just a	edy for any claim arising whether shall be dearned waited unloss n	ather cause whatsouver :	and Dameges. Cardinal's fability a ling those for negligonoe and any	us. All claims includ
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ANALYSIS REPORT BEILII 22. Nafina Natural Parks Hwy 30. st. 23. Nafina Parks Hwy 30. st. 31. Sept. 0852 Faces. 31. Sept. 0852 Faces. 31. Sept. 0852 Faces. 31. Sept. 0852 Faces. 32. 10 1114 - 103. 81124 Faces. NM Zip. 88220 32. 10 1114 - 103. 81124 Faces. NM Zip. 88220 33. National Project Owners. 34. Sept. 0852 Faces. 35. National Project Owners. 36. Sept. 0852 Faces. 36. Sept. 0852 Faces. 37. Address: NM Zip. 88220 38. Address: NM Zip. 88220 38. Address: NM Zip. 88220 39. Address: NM Zip. 88220 30. Address NM Zip. 88220 30. Address NM Zip. 88220 30. Address NM							351
Sample I.D. Depth (S22) CS24 CS21 CS21		ONO!				1	20
Sample LD. Depth CS21		1W38			F		00
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April 10, 2024

BEN BELILL

ENSOLUM

3122 NATIONAL PARKS HWY

CARLSBAD, NM 88220

RE: PLU 29-20 BIG SINKS #155H

Enclosed are the results of analyses for samples received by the laboratory on 04/04/24 13:20.

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 BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 04/04/2024 Sampling Date: 04/02/2024

Reported: 04/10/2024 Sampling Type: Soil

Project Name: PLU 29-20 BIG SINKS #155H Sampling Condition: Cool & Intact
Project Number: 03C1558331 Sample Received By: Dionica Hinojos

Applyand By 14

Project Location: XTO 32.104774, -103.81724

Sample ID: SS 01 A 1' (H241753-01)

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	04/05/2024	ND	2.08	104	2.00	5.74	
Toluene*	<0.050	0.050	04/05/2024	ND	2.19	109	2.00	5.37	
Ethylbenzene*	<0.050	0.050	04/05/2024	ND	2.21	110	2.00	5.98	
Total Xylenes*	<0.150	0.150	04/05/2024	ND	6.60	110	6.00	5.70	
Total BTEX	<0.300	0.300	04/05/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	116	% 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	48.0	16.0	04/09/2024	ND	400	100	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	04/05/2024	ND	192	96.2	200	3.49	
DRO >C10-C28*	<10.0	10.0	04/05/2024	ND	189	94.5	200	2.49	
EXT DRO >C28-C36	<10.0	10.0	04/05/2024	ND					
Surrogate: 1-Chlorooctane	86.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	82.9	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene



Analytical Results For:

ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 04/04/2024 Sampling Date: 04/02/2024

Reported: 04/10/2024 Sampling Type: Soil

Project Name: PLU 29-20 BIG SINKS #155H Sampling Condition: Cool & Intact
Project Number: 03C1558331 Sample Received By: Dionica Hinojos

Analyzed By: JH

Project Location: XTO 32.104774, -103.81724

mg/kg

Sample ID: SS 01 B 2' (H241753-02)

BTEX 8021B

DIEX GOZID	1119/	<u>ng</u>	Allulyzo	.u by. 311					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/05/2024	ND	2.08	104	2.00	5.74	
Toluene*	<0.050	0.050	04/05/2024	ND	2.19	109	2.00	5.37	
Ethylbenzene*	<0.050	0.050	04/05/2024	ND	2.21	110	2.00	5.98	
Total Xylenes*	<0.150	0.150	04/05/2024	ND	6.60	110	6.00	5.70	
Total BTEX	<0.300	0.300	04/05/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	113 9	% 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	16.0	16.0	04/09/2024	ND	400	100	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	04/05/2024	ND	192	96.2	200	3.49	
DRO >C10-C28*	<10.0	10.0	04/05/2024	ND	189	94.5	200	2.49	
EXT DRO >C28-C36	<10.0	10.0	04/05/2024	ND					
Surrogate: 1-Chlorooctane	96.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	92.8	% 49.1-14	8						

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Analytical Results For:

ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 04/04/2024 Sampling Date: 04/02/2024

Reported: 04/10/2024 Sampling Type: Soil

Project Name: PLU 29-20 BIG SINKS #155H Sampling Condition: Cool & Intact
Project Number: 03C1558331 Sample Received By: Dionica Hinojos

Analyzed By: JH

Project Location: XTO 32.104774, -103.81724

mg/kg

Sample ID: SS 02 A 1' (H241753-03)

BTEX 8021B

DILX GOZID	ıııg,	ng .	Allulyzo	.u Dy. 311					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/05/2024	ND	2.08	104	2.00	5.74	
Toluene*	<0.050	0.050	04/05/2024	ND	2.19	109	2.00	5.37	
Ethylbenzene*	<0.050	0.050	04/05/2024	ND	2.21	110	2.00	5.98	
Total Xylenes*	<0.150	0.150	04/05/2024	ND	6.60	110	6.00	5.70	
Total BTEX	<0.300	0.300	04/05/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	114	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	ed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	04/09/2024	ND	400	100	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	04/05/2024	ND	192	96.2	200	3.49	
DRO >C10-C28*	<10.0	10.0	04/05/2024	ND	189	94.5	200	2.49	
EXT DRO >C28-C36	<10.0	10.0	04/05/2024	ND					
Surrogate: 1-Chlorooctane	93.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	86.9	% 49.1-14	8						

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Analytical Results For:

ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 04/04/2024 Sampling Date: 04/02/2024

Reported: 04/10/2024 Sampling Type: Soil

Project Name: PLU 29-20 BIG SINKS #155H Sampling Condition: Cool & Intact Sample Received By: Project Number: 03C1558331 Dionica Hinojos

Project Location: XTO 32.104774, -103.81724

Sample ID: SS 02 B 2' (H241753-04)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/05/2024	ND	2.08	104	2.00	5.74	
Toluene*	<0.050	0.050	04/05/2024	ND	2.19	109	2.00	5.37	
Ethylbenzene*	<0.050	0.050	04/05/2024	ND	2.21	110	2.00	5.98	
Total Xylenes*	<0.150	0.150	04/05/2024	ND	6.60	110	6.00	5.70	
Total BTEX	<0.300	0.300	04/05/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	112 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	04/09/2024	ND	400	100	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	04/05/2024	ND	192	96.2	200	3.49	
DRO >C10-C28*	<10.0	10.0	04/05/2024	ND	189	94.5	200	2.49	
EXT DRO >C28-C36	<10.0	10.0	04/05/2024	ND					
Surrogate: 1-Chlorooctane	88.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	81.2	% 49.1-14	8						

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Analytical Results For:

ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 04/04/2024 Sampling Date: 04/02/2024

Reported: 04/10/2024 Sampling Type: Soil

Project Name: PLU 29-20 BIG SINKS #155H Sampling Condition: Cool & Intact Sample Received By: Project Number: 03C1558331 Dionica Hinojos

Project Location: XTO 32.104774, -103.81724

Sample ID: SS 11 0.5' (H241753-05)

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	04/05/2024	ND	2.08	104	2.00	5.74	
Toluene*	<0.050	0.050	04/05/2024	ND	2.19	109	2.00	5.37	
Ethylbenzene*	<0.050	0.050	04/05/2024	ND	2.21	110	2.00	5.98	
Total Xylenes*	<0.150	0.150	04/05/2024	ND	6.60	110	6.00	5.70	
Total BTEX	<0.300	0.300	04/05/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	112 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	'kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	04/09/2024	ND	400	100	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	04/05/2024	ND	192	96.2	200	3.49	
DRO >C10-C28*	<10.0	10.0	04/05/2024	ND	189	94.5	200	2.49	
EXT DRO >C28-C36	<10.0	10.0	04/05/2024	ND					
Surrogate: 1-Chlorooctane	98.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	89.6	% 49.1-14	8						

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Analytical Results For:

ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 04/04/2024 Sampling Date: 04/02/2024

Reported: 04/10/2024 Sampling Type: Soil

Project Name: PLU 29-20 BIG SINKS #155H Sampling Condition: Cool & Intact
Project Number: 03C1558331 Sample Received By: Dionica Hinojos

Analyzed By: JH

Project Location: XTO 32.104774, -103.81724

mg/kg

Sample ID: SS 11 A 2' (H241753-06)

BTEX 8021B

	9/	9	7	7 5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/05/2024	ND	2.08	104	2.00	5.74	
Toluene*	<0.050	0.050	04/05/2024	ND	2.19	109	2.00	5.37	
Ethylbenzene*	<0.050	0.050	04/05/2024	ND	2.21	110	2.00	5.98	
Total Xylenes*	<0.150	0.150	04/05/2024	ND	6.60	110	6.00	5.70	
Total BTEX	<0.300	0.300	04/05/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	110 9	% 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	16.0	16.0	04/09/2024	ND	400	100	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	04/05/2024	ND	192	96.2	200	3.49	
DRO >C10-C28*	<10.0	10.0	04/05/2024	ND	189	94.5	200	2.49	
EXT DRO >C28-C36	<10.0	10.0	04/05/2024	ND					
Surrogate: 1-Chlorooctane	93.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	85.1	% 49.1-14	8						

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Analytical Results For:

ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 04/04/2024 Sampling Date: 04/02/2024

Reported: 04/10/2024 Sampling Type: Soil

Project Name: PLU 29-20 BIG SINKS #155H Sampling Condition: Cool & Intact Project Number: 03C1558331 Sample Received By: Dionica Hinojos

Project Location: XTO 32.104774, -103.81724

Sample ID: SS 03 A 1' (H241753-07)

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	04/05/2024	ND	2.08	104	2.00	5.74	
Toluene*	<0.050	0.050	04/05/2024	ND	2.19	109	2.00	5.37	
Ethylbenzene*	<0.050	0.050	04/05/2024	ND	2.21	110	2.00	5.98	
Total Xylenes*	<0.150	0.150	04/05/2024	ND	6.60	110	6.00	5.70	
Total BTEX	<0.300	0.300	04/05/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	114 9	% 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	128	16.0	04/09/2024	ND	400	100	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	04/05/2024	ND	208	104	200	2.54	
DRO >C10-C28*	<10.0	10.0	04/05/2024	ND	192	96.1	200	2.40	
EXT DRO >C28-C36	<10.0	10.0	04/05/2024	ND					
Surrogate: 1-Chlorooctane	101	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	93.8	% 49.1-14	8						

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Analytical Results For:

ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 04/04/2024 Sampling Date: 04/02/2024

Reported: 04/10/2024 Sampling Type: Soil

Project Name: PLU 29-20 BIG SINKS #155H Sampling Condition: Cool & Intact
Project Number: 03C1558331 Sample Received By: Dionica Hinojos

Analyzed By: JH

Project Location: XTO 32.104774, -103.81724

mg/kg

Sample ID: SS 03 B 2' (H241753-08)

BTEX 8021B

	9/	9	7	7 5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/05/2024	ND	1.93	96.5	2.00	8.88	
Toluene*	<0.050	0.050	04/05/2024	ND	1.96	97.8	2.00	4.63	
Ethylbenzene*	<0.050	0.050	04/05/2024	ND	2.04	102	2.00	3.89	
Total Xylenes*	<0.150	0.150	04/05/2024	ND	6.11	102	6.00	3.70	
Total BTEX	<0.300	0.300	04/05/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	111 9	% 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	160	16.0	04/09/2024	ND	400	100	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	04/05/2024	ND	208	104	200	2.54	
DRO >C10-C28*	<10.0	10.0	04/05/2024	ND	192	96.1	200	2.40	
EXT DRO >C28-C36	<10.0	10.0	04/05/2024	ND					
Surrogate: 1-Chlorooctane	92.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	84.4	% 49.1-14	8						

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Analytical Results For:

ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 04/04/2024 Sampling Date: 04/02/2024

Reported: 04/10/2024 Sampling Type: Soil

Project Name: PLU 29-20 BIG SINKS #155H Sampling Condition: Cool & Intact
Project Number: 03C1558331 Sample Received By: Dionica Hinojos

Analyzed By: JH

Project Location: XTO 32.104774, -103.81724

mg/kg

Sample ID: SS 04 A 1' (H241753-09)

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	04/05/2024	ND	1.93	96.5	2.00	8.88	
Toluene*	<0.050	0.050	04/05/2024	ND	1.96	97.8	2.00	4.63	
Ethylbenzene*	<0.050	0.050	04/05/2024	ND	2.04	102	2.00	3.89	
Total Xylenes*	<0.150	0.150	04/05/2024	ND	6.11	102	6.00	3.70	
Total BTEX	<0.300	0.300	04/05/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	117	% 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	64.0	16.0	04/09/2024	ND	400	100	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	04/05/2024	ND	208	104	200	2.54	
DRO >C10-C28*	<10.0	10.0	04/05/2024	ND	192	96.1	200	2.40	
EXT DRO >C28-C36	<10.0	10.0	04/05/2024	ND					
Surrogate: 1-Chlorooctane	98.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	89.4	% 49.1-14	8						

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Analytical Results For:

ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 04/04/2024 Sampling Date: 04/02/2024

Reported: 04/10/2024 Sampling Type: Soil

Project Name: PLU 29-20 BIG SINKS #155H Sampling Condition: Cool & Intact Sample Received By: Project Number: 03C1558331 Dionica Hinojos

Project Location: XTO 32.104774, -103.81724

Sample ID: SS 04 B 2' (H241753-10)

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	04/05/2024	ND	1.93	96.5	2.00	8.88	
Toluene*	<0.050	0.050	04/05/2024	ND	1.96	97.8	2.00	4.63	
Ethylbenzene*	<0.050	0.050	04/05/2024	ND	2.04	102	2.00	3.89	
Total Xylenes*	<0.150	0.150	04/05/2024	ND	6.11	102	6.00	3.70	
Total BTEX	<0.300	0.300	04/05/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	116 9	% 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	16.0	16.0	04/09/2024	ND	400	100	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	04/05/2024	ND	208	104	200	2.54	
DRO >C10-C28*	<10.0	10.0	04/05/2024	ND	192	96.1	200	2.40	
EXT DRO >C28-C36	<10.0	10.0	04/05/2024	ND					
Surrogate: 1-Chlorooctane	106 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	97.2	% 49.1-14	8						

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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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Celey D. Keine



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July 03, 2024

BEN BELILL

ENSOLUM

3122 NATIONAL PARKS HWY

CARLSBAD, NM 88220

RE: PLU 29-20 BIG SINKS #155H

Enclosed are the results of analyses for samples received by the laboratory on 06/27/24 12:30.

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



Analytical Results For:

ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 06/27/2024 Sampling Date: 06/25/2024

Reported: 07/03/2024 Sampling Type: Soil Project Name: PLU 29-20 BIG SINKS #155H

Sampling Condition: Cool & Intact Project Number: 03C1558331 Sample Received By: Alyssa Parras

Project Location: XTO 32.104774, -103.81724

Sample ID: FS 01 0.8 (H243850-01)

BTEX 8021B	mg/	'kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/02/2024	ND	1.91	95.4	2.00	5.30	
Toluene*	<0.050	0.050	07/02/2024	ND	1.91	95.3	2.00	6.40	
Ethylbenzene*	<0.050	0.050	07/02/2024	ND	2.04	102	2.00	7.16	
Total Xylenes*	<0.150	0.150	07/02/2024	ND	5.98	99.7	6.00	7.39	
Total BTEX	<0.300	0.300	07/02/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.6	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	07/02/2024	ND	416	104	400	0.00	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/02/2024	ND	185	92.4	200	3.66	
DRO >C10-C28*	<10.0	10.0	07/02/2024	ND	174	87.2	200	13.7	
EXT DRO >C28-C36	<10.0	10.0	07/02/2024	ND					
Surrogate: 1-Chlorooctane	114 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	117 9	% 49.1-14	8						

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Celey D. Keene



Analytical Results For:

ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 06/27/2024 Sampling Date: 06/25/2024

Reported: 07/03/2024 Sampling Type: Soil

Project Name: PLU 29-20 BIG SINKS #155H Sampling Condition: Cool & Intact
Project Number: 03C1558331 Sample Received By: Alyssa Parras

Applyzod By: 14

Project Location: XTO 32.104774, -103.81724

ma/ka

Sample ID: FS 02 0.8 (H243850-02)

RTFY 8021R

B1EX 8021B	mg/	^и кд	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/02/2024	ND	1.93	96.5	2.00	1.88	
Toluene*	<0.050	0.050	07/02/2024	ND	2.16	108	2.00	6.53	
Ethylbenzene*	<0.050	0.050	07/02/2024	ND	2.32	116	2.00	8.58	
Total Xylenes*	<0.150	0.150	07/02/2024	ND	7.20	120	6.00	8.07	
Total BTEX	<0.300	0.300	07/02/2024	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	128	16.0	07/02/2024	ND	416	104	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/02/2024	ND	185	92.4	200	3.66	
DRO >C10-C28*	<10.0	10.0	07/02/2024	ND	174	87.2	200	13.7	
EXT DRO >C28-C36	<10.0	10.0	07/02/2024	ND					
Surrogate: 1-Chlorooctane	105 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	107 9	% 49.1-14	8						

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Celeg D. Keene



Analytical Results For:

ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 06/27/2024 Sampling Date: 06/25/2024

Reported: 07/03/2024 Sampling Type: Soil

Project Name: PLU 29-20 BIG SINKS #155H Sampling Condition: Cool & Intact
Project Number: 03C1558331 Sample Received By: Alyssa Parras

Applyzod By: 14

Project Location: XTO 32.104774, -103.81724

ma/ka

Sample ID: FS 03 0.8 (H243850-03)

RTFY 8021R

B1EX 8021B	mg	/ kg	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/02/2024	ND	1.93	96.5	2.00	1.88	
Toluene*	<0.050	0.050	07/02/2024	ND	2.16	108	2.00	6.53	
Ethylbenzene*	<0.050	0.050	07/02/2024	ND	2.32	116	2.00	8.58	
Total Xylenes*	<0.150	0.150	07/02/2024	ND	7.20	120	6.00	8.07	
Total BTEX	<0.300	0.300	07/02/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	108	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	07/02/2024	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	07/02/2024	ND	185	92.4	200	3.66	
DRO >C10-C28*	<10.0	10.0	07/02/2024	ND	174	87.2	200	13.7	
EXT DRO >C28-C36	<10.0	10.0	07/02/2024	ND					
Surrogate: 1-Chlorooctane	108	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	109	% 49.1-14	8						

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Celey & Keens



Analytical Results For:

ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 06/27/2024 Sampling Date: 06/25/2024

Reported: 07/03/2024 Sampling Type: Soil

Project Name: PLU 29-20 BIG SINKS #155H Sampling Condition: Cool & Intact
Project Number: 03C1558331 Sample Received By: Alyssa Parras

Applyzod By: 14

Project Location: XTO 32.104774, -103.81724

ma/ka

Sample ID: FS 04 0.8 (H243850-04)

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	07/02/2024	ND	1.93	96.5	2.00	1.88	
Toluene*	<0.050	0.050	07/02/2024	ND	2.16	108	2.00	6.53	
Ethylbenzene*	<0.050	0.050	07/02/2024	ND	2.32	116	2.00	8.58	
Total Xylenes*	<0.150	0.150	07/02/2024	ND	7.20	120	6.00	8.07	
Total BTEX	<0.300	0.300	07/02/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	108	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	07/02/2024	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	07/02/2024	ND	185	92.4	200	3.66	
DRO >C10-C28*	<10.0	10.0	07/02/2024	ND	174	87.2	200	13.7	
EXT DRO >C28-C36	<10.0	10.0	07/02/2024	ND					
Surrogate: 1-Chlorooctane	107	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	109	% 49.1-14	8						

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Celey & Keene



Analytical Results For:

ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 06/27/2024 Sampling Date: 06/25/2024

Reported: 07/03/2024 Sampling Type: Soil

Project Name: PLU 29-20 BIG SINKS #155H Sampling Condition: Cool & Intact Sample Received By: Project Number: 03C1558331 Alyssa Parras

Project Location: XTO 32.104774, -103.81724

Sample ID: FS 05 0.8 (H243850-05)

BTEX 8021B	mg/kg		Analyze	Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/02/2024	ND	1.93	96.5	2.00	1.88	
Toluene*	<0.050	0.050	07/02/2024	ND	2.16	108	2.00	6.53	
Ethylbenzene*	<0.050	0.050	07/02/2024	ND	2.32	116	2.00	8.58	
Total Xylenes*	<0.150	0.150	07/02/2024	ND	7.20	120	6.00	8.07	
Total BTEX	<0.300	0.300	07/02/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	109 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	96.0	16.0	07/02/2024	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/02/2024	ND	185	92.4	200	3.66	
DRO >C10-C28*	<10.0	10.0	07/02/2024	ND	174	87.2	200	13.7	
EXT DRO >C28-C36	<10.0	10.0	07/02/2024	ND					
Surrogate: 1-Chlorooctane	96.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	99.1	% 49.1-14	8						

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Celey D. Keine



Analytical Results For:

ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 06/27/2024 Sampling Date: 06/25/2024

Reported: 07/03/2024 Sampling Type: Soil

Project Name: PLU 29-20 BIG SINKS #155H Sampling Condition: Cool & Intact Sample Received By: Project Number: 03C1558331 Alyssa Parras

Project Location: XTO 32.104774, -103.81724

Sample ID: FS 06 0.8 (H243850-06)

BTEX 8021B	mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/02/2024	ND	1.93	96.5	2.00	1.88	
Toluene*	<0.050	0.050	07/02/2024	ND	2.16	108	2.00	6.53	
Ethylbenzene*	<0.050	0.050	07/02/2024	ND	2.32	116	2.00	8.58	
Total Xylenes*	<0.150	0.150	07/02/2024	ND	7.20	120	6.00	8.07	
Total BTEX	<0.300	0.300	07/02/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	107 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	144	16.0	07/02/2024	ND	416	104	400	0.00	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/02/2024	ND	185	92.4	200	3.66	
DRO >C10-C28*	<10.0	10.0	07/02/2024	ND	174	87.2	200	13.7	
EXT DRO >C28-C36	<10.0	10.0	07/02/2024	ND					
Surrogate: 1-Chlorooctane	97.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	97.8	% 49.1-14	8						

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Celey D. Keine



Analytical Results For:

ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 06/27/2024 Sampling Date: 06/25/2024

Reported: 07/03/2024 Sampling Type: Soil

Project Name: PLU 29-20 BIG SINKS #155H Sampling Condition: Cool & Intact
Project Number: 03C1558331 Sample Received By: Alyssa Parras

Applyzod By: 14

Project Location: XTO 32.104774, -103.81724

ma/ka

Sample ID: FS 07 0.8 (H243850-07)

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	07/02/2024	ND	1.93	96.5	2.00	1.88	
Toluene*	<0.050	0.050	07/02/2024	ND	2.16	108	2.00	6.53	
Ethylbenzene*	<0.050	0.050	07/02/2024	ND	2.32	116	2.00	8.58	
Total Xylenes*	<0.150	0.150	07/02/2024	ND	7.20	120	6.00	8.07	
Total BTEX	<0.300	0.300	07/02/2024	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	112	16.0	07/02/2024	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	07/03/2024	ND	185	92.4	200	3.66	
DRO >C10-C28*	<10.0	10.0	07/03/2024	ND	174	87.2	200	13.7	
EXT DRO >C28-C36	<10.0	10.0	07/03/2024	ND					
Surrogate: 1-Chlorooctane	99.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	106	% 49.1-14	8						

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Celey D. Keine



Analytical Results For:

ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 06/27/2024 Sampling Date: 06/25/2024

Reported: 07/03/2024 Sampling Type: Soil

Project Name: PLU 29-20 BIG SINKS #155H Sampling Condition: Cool & Intact Sample Received By: Project Number: 03C1558331 Alyssa Parras

Project Location: XTO 32.104774, -103.81724

Sample ID: FS 08 0.8 (H243850-08)

BTEX 8021B	mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/02/2024	ND	1.93	96.5	2.00	1.88	
Toluene*	<0.050	0.050	07/02/2024	ND	2.16	108	2.00	6.53	
Ethylbenzene*	<0.050	0.050	07/02/2024	ND	2.32	116	2.00	8.58	
Total Xylenes*	<0.150	0.150	07/02/2024	ND	7.20	120	6.00	8.07	
Total BTEX	<0.300	0.300	07/02/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	107 5	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	07/02/2024	ND	416	104	400	3.77	
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	07/02/2024	ND	185	92.4	200	3.66	
DRO >C10-C28*	<10.0	10.0	07/02/2024	ND	174	87.2	200	13.7	
EXT DRO >C28-C36	<10.0	10.0	07/02/2024	ND					
Surrogate: 1-Chlorooctane	126 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	128 9	% 49.1-14	8						

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Analytical Results For:

ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 06/27/2024 Sampling Date: 06/25/2024

Reported: 07/03/2024 Sampling Type: Soil

Project Name: PLU 29-20 BIG SINKS #155H Sampling Condition: Cool & Intact
Project Number: 03C1558331 Sample Received By: Alyssa Parras

Applyzod By: 14

Project Location: XTO 32.104774, -103.81724

ma/ka

Sample ID: FS 09 0.8 (H243850-09)

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	07/02/2024	ND	1.93	96.5	2.00	1.88	
Toluene*	<0.050	0.050	07/02/2024	ND	2.16	108	2.00	6.53	
Ethylbenzene*	<0.050	0.050	07/02/2024	ND	2.32	116	2.00	8.58	
Total Xylenes*	<0.150	0.150	07/02/2024	ND	7.20	120	6.00	8.07	
Total BTEX	<0.300	0.300	07/02/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	109	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	07/02/2024	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/02/2024	ND	185	92.4	200	3.66	
DRO >C10-C28*	<10.0	10.0	07/02/2024	ND	174	87.2	200	13.7	
EXT DRO >C28-C36	<10.0	10.0	07/02/2024	ND					
Surrogate: 1-Chlorooctane	133	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	136	% 49.1-14	8						

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Analytical Results For:

ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 06/27/2024 Sampling Date: 06/25/2024

Reported: 07/03/2024 Sampling Type: Soil

Project Name: PLU 29-20 BIG SINKS #155H Sampling Condition: Cool & Intact
Project Number: 03C1558331 Sample Received By: Alyssa Parras

Applyzod By: 14

Project Location: XTO 32.104774, -103.81724

ma/ka

Sample ID: FS 10 0.8 (H243850-10)

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	07/02/2024	ND	1.93	96.5	2.00	1.88	
Toluene*	<0.050	0.050	07/02/2024	ND	2.16	108	2.00	6.53	
Ethylbenzene*	<0.050	0.050	07/02/2024	ND	2.32	116	2.00	8.58	
Total Xylenes*	<0.150	0.150	07/02/2024	ND	7.20	120	6.00	8.07	
Total BTEX	<0.300	0.300	07/02/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	07/02/2024	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/02/2024	ND	185	92.4	200	3.66	
DRO >C10-C28*	<10.0	10.0	07/02/2024	ND	174	87.2	200	13.7	
EXT DRO >C28-C36	<10.0	10.0	07/02/2024	ND					
Surrogate: 1-Chlorooctane	122	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	124	% 49.1-14	8						

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Analytical Results For:

ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 06/27/2024 Sampling Date: 06/25/2024

Reported: 07/03/2024 Sampling Type: Soil

Project Name: PLU 29-20 BIG SINKS #155H Sampling Condition: Cool & Intact
Project Number: 03C1558331 Sample Received By: Alyssa Parras

Applyzod By: 14

Project Location: XTO 32.104774, -103.81724

ma/ka

Sample ID: FS 11 0.8 (H243850-11)

RTFY 8021R

B1EX 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	07/02/2024	ND	1.93	96.5	2.00	1.88	
Toluene*	<0.050	0.050	07/02/2024	ND	2.16	108	2.00	6.53	
Ethylbenzene*	<0.050	0.050	07/02/2024	ND	2.32	116	2.00	8.58	
Total Xylenes*	<0.150	0.150	07/02/2024	ND	7.20	120	6.00	8.07	
Total BTEX	<0.300	0.300	07/02/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	108 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	128	16.0	07/02/2024	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	07/02/2024	ND	185	92.4	200	3.66	
DRO >C10-C28*	<10.0	10.0	07/02/2024	ND	174	87.2	200	13.7	
EXT DRO >C28-C36	<10.0	10.0	07/02/2024	ND					
Surrogate: 1-Chlorooctane	82.3 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	82.2 9	% 49.1-14	8						

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Analytical Results For:

ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 06/27/2024 Sampling Date: 06/25/2024

Reported: 07/03/2024 Sampling Type: Soil

Project Name: PLU 29-20 BIG SINKS #155H Sampling Condition: Cool & Intact
Project Number: 03C1558331 Sample Received By: Alyssa Parras

Applyzod By: 14

Project Location: XTO 32.104774, -103.81724

ma/ka

Sample ID: FS 12 0.8 (H243850-12)

RTFY 8021R

Result <0.050	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	0 1:0
	0.050			55	% Recovery	True value QC	KPD	Qualifier
	0.030	07/02/2024	ND	1.93	96.5	2.00	1.88	
<0.050	0.050	07/02/2024	ND	2.16	108	2.00	6.53	
<0.050	0.050	07/02/2024	ND	2.32	116	2.00	8.58	
<0.150	0.150	07/02/2024	ND	7.20	120	6.00	8.07	
<0.300	0.300	07/02/2024	ND					
104	% 71.5-13	4						
mg,	'kg	Analyze	d By: CT					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
128	16.0	07/02/2024	ND	416	104	400	3.77	
mg,	'kg	Analyze	d By: MS					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<10.0	10.0	07/02/2024	ND	185	92.4	200	3.66	
<10.0	10.0	07/02/2024	ND	174	87.2	200	13.7	
<10.0	10.0	07/02/2024	ND					
102	% 48.2-13	4						
103	% 49.1-14	8						
	<0.150 <0.300 1045 mg/ Result 128 mg/ Result <10.0 <10.0 <10.0	<0.050 0.050 <0.150 0.150 <0.300 0.300 104	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050

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Analytical Results For:

ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 06/27/2024 Sampling Date: 06/25/2024

Reported: 07/03/2024 Sampling Type: Soil

Project Name: PLU 29-20 BIG SINKS #155H Sampling Condition: Cool & Intact Sample Received By: Project Number: 03C1558331 Alyssa Parras

Project Location: XTO 32.104774, -103.81724

Sample ID: FS 13 0.8 (H243850-13)

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	07/02/2024	ND	1.93	96.5	2.00	1.88	
Toluene*	<0.050	0.050	07/02/2024	ND	2.16	108	2.00	6.53	
Ethylbenzene*	<0.050	0.050	07/02/2024	ND	2.32	116	2.00	8.58	
Total Xylenes*	<0.150	0.150	07/02/2024	ND	7.20	120	6.00	8.07	
Total BTEX	<0.300	0.300	07/02/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	110 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	112	16.0	07/02/2024	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	07/02/2024	ND	185	92.4	200	3.66	
DRO >C10-C28*	<10.0	10.0	07/02/2024	ND	174	87.2	200	13.7	
EXT DRO >C28-C36	<10.0	10.0	07/02/2024	ND					
Surrogate: 1-Chlorooctane	106 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	108 9	% 49.1-14	8						

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Analytical Results For:

ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 06/27/2024 Sampling Date: 06/26/2024

Reported: 07/03/2024 Sampling Type: Soil

Project Name: PLU 29-20 BIG SINKS #155H Sampling Condition: Cool & Intact
Project Number: 03C1558331 Sample Received By: Alyssa Parras

Applyzod By: 14

Project Location: XTO 32.104774, -103.81724

Sample ID: SW 01 0-0.8 (H243850-14)

RTFY 8021R

Result								
resuit	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<0.050	0.050	07/02/2024	ND	1.93	96.5	2.00	1.88	
<0.050	0.050	07/02/2024	ND	2.16	108	2.00	6.53	
<0.050	0.050	07/02/2024	ND	2.32	116	2.00	8.58	
<0.150	0.150	07/02/2024	ND	7.20	120	6.00	8.07	
<0.300	0.300	07/02/2024	ND					
111 9	% 71.5-13	4						
mg,	/kg	Analyze	d By: CT					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
208	16.0	07/02/2024	ND	416	104	400	3.77	
mg,	/kg	Analyze	d By: MS					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<10.0	10.0	07/02/2024	ND	185	92.4	200	3.66	
23.3	10.0	07/02/2024	ND	174	87.2	200	13.7	
<10.0	10.0	07/02/2024	ND					
95.4	% 48.2-13	4						
98.1	% 49.1-14	8						
	<0.050 <0.050 <0.050 <0.150 <0.300 111 9 mg/ Result 208 mg/ Result <10.0 23.3 <10.0	<0.050 <0.050 <0.050 <0.050 <0.050 <0.150 <0.300 0.300 111 % 71.5-13 mg/kg Result Reporting Limit 208 16.0 mg/kg Result Reporting Limit <10.0 10.0 23.3 <10.0 <10.0 48.2-13	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 06/27/2024 Sampling Date: 06/26/2024

Reported: 07/03/2024 Sampling Type: Soil

Project Name: PLU 29-20 BIG SINKS #155H Sampling Condition: Cool & Intact Sample Received By: Project Number: 03C1558331 Alyssa Parras

Project Location: XTO 32.104774, -103.81724

Sample ID: SW 02 0-0.8 (H243850-15)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/02/2024	ND	1.93	96.5	2.00	1.88	
Toluene*	<0.050	0.050	07/02/2024	ND	2.16	108	2.00	6.53	
Ethylbenzene*	<0.050	0.050	07/02/2024	ND	2.32	116	2.00	8.58	
Total Xylenes*	<0.150	0.150	07/02/2024	ND	7.20	120	6.00	8.07	
Total BTEX	<0.300	0.300	07/02/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	114 9	6 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	224	16.0	07/02/2024	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	07/02/2024	ND	185	92.4	200	3.66	
DRO >C10-C28*	37.9	10.0	07/02/2024	ND	174	87.2	200	13.7	
EXT DRO >C28-C36	<10.0	10.0	07/02/2024	ND					
Surrogate: 1-Chlorooctane	105 9	48.2-13	4						
Surrogate: 1-Chlorooctadecane	108 9	6 49.1-14	8						

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Analytical Results For:

ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 06/27/2024 Sampling Date: 06/26/2024

Reported: 07/03/2024 Sampling Type: Soil

Project Name: PLU 29-20 BIG SINKS #155H Sampling Condition: Cool & Intact
Project Number: 03C1558331 Sample Received By: Alyssa Parras

Applyzod By: 14

Project Location: XTO 32.104774, -103.81724

Sample ID: SW 03 0-0.8 (H243850-16)

RTFY 8021R

B1EX 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	07/02/2024	ND	1.93	96.5	2.00	1.88	
Toluene*	<0.050	0.050	07/02/2024	ND	2.16	108	2.00	6.53	
Ethylbenzene*	<0.050	0.050	07/02/2024	ND	2.32	116	2.00	8.58	
Total Xylenes*	<0.150	0.150	07/02/2024	ND	7.20	120	6.00	8.07	
Total BTEX	<0.300	0.300	07/02/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	103 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	224	16.0	07/02/2024	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	07/02/2024	ND	184	92.1	200	2.62	
DRO >C10-C28*	<10.0	10.0	07/02/2024	ND	174	87.0	200	3.85	
EXT DRO >C28-C36	<10.0	10.0	07/02/2024	ND					
Surrogate: 1-Chlorooctane	112 %	6 48.2-13	4						
Surrogate: 1-Chlorooctadecane	107 9	% 49.1-14	8						

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Analytical Results For:

ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 06/27/2024 Sampling Date: 06/26/2024

Reported: 07/03/2024 Sampling Type: Soil

Project Name: PLU 29-20 BIG SINKS #155H Sampling Condition: Cool & Intact
Project Number: 03C1558331 Sample Received By: Alyssa Parras

Analyzed By: JH

Project Location: XTO 32.104774, -103.81724

mg/kg

Sample ID: SW 04 0-0.8 (H243850-17)

BTEX 8021B

	9/	9	7	7: 5::					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/02/2024	ND	1.93	96.5	2.00	1.88	
Toluene*	<0.050	0.050	07/02/2024	ND	2.16	108	2.00	6.53	
Ethylbenzene*	<0.050	0.050	07/02/2024	ND	2.32	116	2.00	8.58	
Total Xylenes*	<0.150	0.150	07/02/2024	ND	7.20	120	6.00	8.07	
Total BTEX	<0.300	0.300	07/02/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 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	224	16.0	07/02/2024	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	07/02/2024	ND	184	92.1	200	2.62	
DRO >C10-C28*	<10.0	10.0	07/02/2024	ND	174	87.0	200	3.85	
EXT DRO >C28-C36	<10.0	10.0	07/02/2024	ND					
Surrogate: 1-Chlorooctane	105	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	97.1	% 49.1-14	8						

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Analytical Results For:

ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 06/27/2024 Sampling Date: 06/26/2024

Reported: 07/03/2024 Sampling Type: Soil

Project Name: PLU 29-20 BIG SINKS #155H Sampling Condition: Cool & Intact Sample Received By: Project Number: 03C1558331 Alyssa Parras

Project Location: XTO 32.104774, -103.81724

Sample ID: FS 14 1 (H243850-18)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/02/2024	ND	1.93	96.5	2.00	1.88	
Toluene*	<0.050	0.050	07/02/2024	ND	2.16	108	2.00	6.53	
Ethylbenzene*	<0.050	0.050	07/02/2024	ND	2.32	116	2.00	8.58	
Total Xylenes*	<0.150	0.150	07/02/2024	ND	7.20	120	6.00	8.07	
Total BTEX	<0.300	0.300	07/02/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 9	% 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	80.0	16.0	07/02/2024	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	07/02/2024	ND	184	92.1	200	2.62	
DRO >C10-C28*	<10.0	10.0	07/02/2024	ND	174	87.0	200	3.85	
EXT DRO >C28-C36	<10.0	10.0	07/02/2024	ND					
Surrogate: 1-Chlorooctane	106 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	97.5	% 49.1-14	8						

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Analytical Results For:

ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 06/27/2024 Sampling Date: 06/26/2024

Reported: 07/03/2024 Sampling Type: Soil

Project Name: PLU 29-20 BIG SINKS #155H Sampling Condition: Cool & Intact
Project Number: 03C1558331 Sample Received By: Alyssa Parras

Applyzod By: 14

Project Location: XTO 32.104774, -103.81724

ma/ka

Sample ID: SW 05 01 (H243850-19)

RTFY 8021R

BIEX 8021B	mg	/ kg	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/02/2024	ND	1.93	96.5	2.00	1.88	
Toluene*	<0.050	0.050	07/02/2024	ND	2.16	108	2.00	6.53	
Ethylbenzene*	<0.050	0.050	07/02/2024	ND	2.32	116	2.00	8.58	
Total Xylenes*	<0.150	0.150	07/02/2024	ND	7.20	120	6.00	8.07	
Total BTEX	<0.300	0.300	07/02/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 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	80.0	16.0	07/02/2024	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	07/02/2024	ND	184	92.1	200	2.62	
DRO >C10-C28*	<10.0	10.0	07/02/2024	ND	174	87.0	200	3.85	
EXT DRO >C28-C36	<10.0	10.0	07/02/2024	ND					
Surrogate: 1-Chlorooctane	111 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	104	% 49.1-14	8						

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST



(575) 393-2326	FAX (575) 393-2476							
Company Name:			BILL TO		ANA	ANALYSIS REQUEST	131	
Project Manager: David Mcinnis dmcInnis@ensolum.com	mcInnis@ensolum.com	P.O. #:						
Address: 3122 National Parks Hwy	Hwy	Comp	Company: XTO Energy Inc.	Inc.				
City: Carlsbad	State:NM Zip: 88220		Attn: Amy Ruth				_	
0			Address: 3104 E. Green	in St.				
	Project Owner: XTO	City:	city: Carlsbad					
Project Name: PLU 29-20 Big Sinks #155H	inks #155H	State:	: NM Zip: 88220				_	
Project Location:		Phone #:	e #:					
Sampler Name: Connor Whitman		Fax #:						
FOR LAB USE ONLY		MATRIX PR	PRESERV. SAMPLING	ING		_		
Lab I.D. Sample I.D.	Sample Depth (feet) (G)RAB OR (C)OMP. # CONTAINERS	GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER: ACID/BASE:	OTHER:	BTEX TPH	CHLORIDE			
Less Contract	_	_	6-25-24	1215				
7	-			220				
				1225				
K0>4				12%	-			1
				1235				T
10 F506				1240				
1				1245				1
8 F<08				1250				+
9 1509				3521				+
1/S F3/10	wand client's explusive remady for any claim arisi	arising whether based in contract or tort, shall be limited to the amount paid by the client for the	vall be limited to the amount paid t	by the client for the	7			ŀ
PLEASE NOTE: Liability and Damages, Cardinal's liability and client's excuseve remedy nor any sensitive and remedy and within and received by Cardinal within 30 days after completion of the applicable panayses. All claims including those for negligence and any other cause whetever shall be deemed waited unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall be dead to incidental or consequential demages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, service. In no event shall be developed to the above stands masons or otherwise.	ity and client's exclusive remety for any clean or assistant any other cause whatsoever shall be deemed walve any other cause whatsoever shall be deemed walve any other cause whatsoever shall be deemed walve and the consequental damages, including without limits and consequental damages.	tation, business interruptions, loss of us	by Cardinal within 30 days after on the common and of the above stated reasons of the above stated reasons and the above stated reasons.	completion of the applicable int, its subsidiaries, cons or otherwise.				1
affiliations or successors arising out of or related to the perf. Relinquished By:	formance of services hereunder by Cardinal, regalized Pate: (1-272) Time:	ces hereunder by Cardinal, regardless of whether such claim is based upon any or me acc te: Received By: - 27 24	Upon any of the suove sums.	Verbal Result: ☐ Yes ☐ No ☐ Add'l Phone #: All Results are emailed. Please provide Email address: bbelill@ensolum.com, TMorrissey@ensolum.com, dmcl	led. Please provide E om, TMorrissey@ensol	arbal Result: ☐ Yes ☐ No ☐Add'l Phone #: Results are emailed. Please provide Email address: bbelill@ensolum.com, TMorrissey@ensolum.com, dmcInnis@ensolum.com	solum.com	
SASS	1280 05	compo		REMARKS:	i			
Relinquished By:		,		Cost Center: 2258941001		Incident ID: nAPP2405152557	557	
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Corrected Tamp. CC	Sample Condition Cool Intact A Yes A Yes	CHECKED BY:	Turnaround Time: AP (1-27-24) Thermometer ID #418- Correction Factor -0.5°C	Standard Rush	Bacteria (only) Sample Condition Cool Intact Observed Temp. Yes Yes Yes No Corrected Temp.	Corrected Temp. °C	

Page 22 of 23

101 East Marland, Hobbs, NM 88240

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Delivered By: (Circle One)	Relinquished By:	Relinquished By:	service. In no event shall Cardinal be liable for incidental or consequental damages, including without limitation, outsiness are unjoyeness, which is based upon any of the above stated reasons or otherwise, affigures or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Porceived Rv:	PLEASE NOTE: Liability and barrages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tord, shall be limited to the amount paid by the client for the pLEASE NOTE: Liability and plannages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tord, shall be limited to delay after completion of the application o	14		hIS3 S			20m2			12 5/2	12 BU		lah I.D. Sample I.D.	FOR LAB USE ONLY	Sampler Name: Connor Whitman	Project Location:	20	Project #: 03C1558331	9	city: Carlsbad	Address: 3122 National Parks Hwy	Project Manager: David Mcinnis dmcInnis@ensolum.com	Company Name: Ensolum, LLC
Corrected Tamp. C	Date:	lime:	incidental or consequental damages, including w to the performance of services hereunder by Car	nal's liability and client's exclusive remedy for a nace and any other cause whatsoever shall be		01		<	<i>>></i>	2	8.0-0	<		0.8	(Teet)	Sam		itman		Big Sinks #155H	Project Owner: XTO	Fax #:	State:NM	arks Hwy	nnis dmcInnis@ensolum.	1, LLC
Sample Condition Cool Intact Lives Lives	Received By:		Bosoived Rv.	my claim arising whether based in contract or bort, shall be limited to the deemed waived unless made in writing and received by Cardinal within who of limited in business interruptions, loss of use, or loss of profits in											(G)RAB (G)RAB (G)# CONTA GROUND WASTEV SOIL OIL SLUDGE	DWATER WATER	IP. MATRIX	L					Zip: 88220			
tion CHECKED BY: (Initials)			is based upon any of the above stated	or tort, shall be limited to the amount pour tort, shall be limited to the amount pd dreceived by Cardinal within 30 days af loss of use, or loss of profits incurred by							626-29	<		625.24	ACID/BAICE / CO OTHER	ASE:	PRESERV.	1	Phone #:	State: NM Zip: 88220	city: Carlsbad	im		Company: XTO Energy Inc.	P.O. #:	BILL 10
Turnaround Time: Standard Photography (1-27-24) Thermometer D #433 Correction Factor 050	25894	All Results are emailed. Please provide Email address: bbelill@ensolum.com, TMorrissey@ensolum.com, dmcInnis@ensolum.com	Verbal Result: ☐ Yes ☐ No	amount paid by the client for the 30 days after completion of the applicable sourced by client, its subsidiaries.	CIJ	1 N N 0001	955	970	925	920		1315	/310		BTE TPH CHL	X ORIDE	SAME LINE	NO.		100		Green St.		ly Inc.		
0	_	yensolum.com, dmcInnis@ensolu	Add'l Phone #:																							

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

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

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

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

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

QUESTIONS

Action 368311

QUESTIONS

Operator:	OGRID:
XTO ENERGY, INC	5380
6401 Holiday Hill Road	Action Number:
Midland, TX 79707	368311
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2405152557
Incident Name	NAPP2405152557 PLU 29-20 BIG SINKS #155H @ 0
Incident Type	Produced Water Release
Incident Status	Remediation Closure Report Received

Location of Release Source	
Please answer all the questions in this group.	
Site Name	PLU 29-20 Big Sinks #155H
Date Release Discovered	02/06/2024
Surface Owner	Federal

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

Nature and Volume of Release		
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.		
Crude Oil Released (bbls) Details	Not answered.	
Produced Water Released (bbls) Details	Cause: Equipment Failure Flow Line - Production Produced Water Released: 28 BBL Recovered: 0 BBL Lost: 28 BBL.	
Is the concentration of chloride in the produced water >10,000 mg/l	Yes	
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.	

District I

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

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

1220 S. St Francis Dr., Santa Fe, NM 87505 Phone: (505) 476-3470 Fax: (505) 476-3462 State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe. NM 87505

QUESTIONS, Page 2

Action 368311

QUESTIONS (continued)

Operator:	OGRID:
XTO ENERGY, INC	5380
6401 Holiday Hill Road	Action Number:
Midland, TX 79707	368311
	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) Was this a major release as defined by Subsection A of 19.15.29.7 NMAC 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. gas only) are to be submitted on the C-129 form.

Initial Response	
The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.	
The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	Not answered.

Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative 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: Garrett Green
Title: SHE Coordinator
Email: garrett.green@exxonmobil.com
Date: 02/20/2024

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

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

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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 368311

QUESTIONS (continued)

Operator:	OGRID:
XTO ENERGY, INC	5380
6401 Holiday Hill Road	Action Number:
Midland, TX 79707	368311
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Site Characterization	
Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 100 and 500 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release 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	Between 1 and 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1 and 5 (mi.)
Any other fresh water well or spring	Between 1 and 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 1 and 5 (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	Medium
A 100-year floodplain	Between 1 and 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 provide	ed 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 contamin	nation 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 delineated	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)	512	
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	37.9	
GRO+DRO (EPA SW-846 Method 8015M)	37.9	
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 comp which includes the anticipated timelines for beginning and completing the remediation.	pleted efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC,	
On what estimated date will the remediation commence	03/14/2024	
On what date will (or did) the final sampling or liner inspection occur	06/26/2024	
On what date will (or was) the remediation complete(d)	06/26/2024	
What is the estimated surface area (in square feet) that will be reclaimed	2700	
What is the estimated volume (in cubic yards) that will be reclaimed	85	
What is the estimated surface area (in square feet) that will be remediated	2700	
What is the estimated volume (in cubic yards) that will be remediated	85	
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 adjusted	d 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 368311

QUESTIONS (continued)

Operator:	OGRID:
XTO ENERGY, INC	5380
6401 Holiday Hill Road	Action Number:
Midland, TX 79707	368311
	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	HALFWAY DISPOSAL AND LANDFILL [fEEM0112334510]	
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: Alan Romero Title: Regulatory Analyst

Email: alan.romero1@exxonmobil.com

Date: 07/30/2024

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 368311

QUESTIONS (continued)

Operator:	OGRID:
XTO ENERGY, INC	5380
6401 Holiday Hill Road	Action Number:
Midland, TX 79707	368311
	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 No submission

District I

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QUESTIONS, Page 6

Action 368311

QUESTIONS (continued)

Operator:	OGRID:
XTO ENERGY, INC	5380
6401 Holiday Hill Road	Action Number:
Midland, TX 79707	368311
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	356623
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	06/26/2024
What was the (estimated) number of samples that were to be gathered	44
What was the sampling surface area in square feet	8800

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	2700	
What was the total volume (cubic yards) remediated	85	
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	2700	
What was the total volume (in cubic yards) reclaimed	85	
Summarize any additional remediation activities not included by answers (above)	Site assessment and excavation activities were conducted at the Site to address the February 6, 2024, release of produced water. Although no confirmation soil samples exceeded Closure criteria, some samples exceeded the reclamation requirement. Waste-containing soil was removed and final excavation confirmation samples confirmed COC concentrations samples confirmed COC concentrations were compliant with the Site Closure Criteria and reclamation requirement. Based on the soil sample analytical results, no further remediation was required. XTO will backfill the excavation with material purchased locally and recontour the Site to match pre-existing site conditions. Excavation of waste-containing soil has mitigated impacts at this Site.	

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.

I hereby agree and sign off to the above statement

I hereby agree and sign off to the above statement

Title: Regulatory Analyst
Email: alan.romero1@exxonmobil.com
Date: 07/30/2024

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QUESTIONS, Page 7

Action 368311

QUESTIONS (continued)

Operator:	OGRID:
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	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

District III

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CONDITIONS

Action 368311

CONDITIONS

Operator:	OGRID:
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	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created	By Condition Condition	Condition Date
rhamle	We have received your Remediation Closure Report for Incident #NAPP2405152557 PLU 29-20 BIG SINKS #155H, thank you. This Remediation Closure Report is approved.	8/20/2024