September 26, 2024

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

Re: Closure Request PLU 20 DTD Pad A Incident Number nAPP2418460531 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 20 DTD Pad A (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 produced water onto the well pad. Based on field observations, field screening activities, and soil sample laboratory analytical results, XTO is submitting this *Closure Request*, describing site assessment, delineation, and excavation activities that have occurred and requesting no further action for Incident Number nAPP2418460531.

SITE DESCRIPTION AND RELEASE SUMMARY

The Site is located in Unit C, Section 20, Township 24 South, Range 30 East, in Eddy County, New Mexico (32.20793°, -103.90713°) and is associated with oil and gas exploration and production operations on federal land managed by the Bureau of Land Management (BLM).

On June 28, 2024, a failure with a production flow line resulted in the release of approximately 24 barrels (bbls) of produced water onto the pad surface. A vacuum truck was immediately dispatched to the Site to recover free-standing fluids; 5 bbls of released produced water were recovered. XTO reported the release to the NMOCD via Notification of Release (NOR) on July 2, 2024, and submitted an Initial Notification C-141 Application (C-141) on July 3, 2024. The release was assigned Incident Number nAPP2418460531.

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. Potential site receptors are identified on Figure 1.

Depth to groundwater at the Site is greater than 100 feet below ground surface (bgs) based on a recent soil boring for determination of regional groundwater depth. On November 22, 2022, a soil boring (C-04676 POD 1) was drilled 0.45 miles of the Site utilizing a track-mounted hollow-stem auger rig. Soil boring C-04676 POD 1 was drilled to a depth of 120 feet bgs. A field geologist logged and described

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soils continuously. No moisture or groundwater was encountered during drilling activites. The borehole was left open for over 72 hours to allow for potential slow infill of groundwater. After the 72-hour waiting period without observing groundwater, it was confirmed that groundwater was 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 186 feet south of the Site. The Site is greater than 200 feet from a lakebed, sinkhole, or playa lake and greater than 300 feet from an occupied residence, school, hospital, institution, church, or wetland. The Site is greater than 1,000 feet to a freshwater well or spring and is not within a 100-year floodplain or overlying a subsurface mine. The Site is not underlain by unstable geology (low potential karst designation area). Site receptors are identified on Figure 1.

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

- Benzene: 10 milligrams per kilogram (mg/kg)
- Benzene, toluene, ethylbenzene, and total xylenes (BTEX): 50 mg/kg
- Total petroleum hydrocarbons (TPH): 100 mg/kg
- Chloride: 600 mg/kg

SITE ASSESSMENT AND DELINEATION ACTIVITIES

On July 2, 2024, Ensolum personnel visited the Site to evaluate the release extent based on information provided on the C-141 and visual observations. The release extent was mapped utilizing a handheld Global Positioning System (GPS) unit. On July 7, 2024, Ensolum personnel returned to the Site to complete delineation activities. Twelve delineation potholes (PH01 to PH12) were advanced via backhoe to maximum depths ranging from 2 feet bgs to 3 feet bgs within the release extent, to assess the vertical extent of the release. Discrete soil samples were collected from depths ranging from surface to 3 feet bgs. The delineation soil samples were field screened for volatile organic hydrocarbons (VOCs) utilizing a calibrated photoionization detector (PID) and chlorides utilizing Hach® QuanTab® test strips. The delineation soil sample locations were mapped utilizing a GPS unit and are depicted on Figure 2. Photographic documentation is included in Appendix B. Field screening results and observations for the potholes were logged on lithologic/soil sampling logs, which are included in Appendix C.

The soil samples were placed directly into pre-cleaned glass jars, labeled with the location, date, time, sampler name, method of analysis, and immediately placed on ice. The soil samples were transported under strict chain-of-custody procedures to Cardinal Laboratories (Cardinal) in Hobbs, New Mexico, for 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 Standards Method 4500.

Laboratory analytical results for delineation soil samples PH01 through PH12 indicated that BTEX and TPH concentrations were compliant with the Closure Criteria. Delineation soil samples PH05, PH06, PH09, and PH10 indicated that chloride concentrations exceeded the Closure Criteria. Based on visible staining in the release area and laboratory analytical results for the delineation soil samples, excavation activities were warranted.

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EXCAVATION SOIL SAMPLING ACTIVITIES

On July 9, 2024 through July 11, 2024, Ensolum personnel were at the Site to oversee excavation activities. Impacted soil was excavated from the release area as indicated by visible staining, field screening activities, and laboratory analytical results for the delineation soil samples. Excavation activities were performed using a backhoe and transport vehicle. The excavation occurred on the well pad. To direct excavation activities, Ensolum personnel field screened soil for VOCs and chlorides. 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 5-point composite soil samples were collected by placing five equivalent aliguots of soil into a 1-gallon, resealable plastic bag and homogenizing the samples by thoroughly mixing. Confirmation soil samples FS01 through FS163 were collected from the floor of the excavation at depths of 1 foot to 3 feet bgs. Confirmation sidewall soil samples SW01 through SW12 were collected from the sidewalls of the excavation at depths ranging from ground surface to 3 feet bgs. Seven confirmation soil samples (CS01 through CS07) were taken on the eastern and southern portion of the release extent at approximently 0.5 feet bgs. The confirmation soil samples were collected, handled, and analyzed following the same procedures as described above. The excavation extent and confirmation soil sample locations are presented on Figures 3A and 3B.

The final excavation extent measured approximately 32,600 square feet. A total of approximately 2,450 cubic yards of impacted soil was removed during the excavation activities. The impacted soil was transported and properly disposed of at the R360 Landfill Facility in Hobbs, New Mexico.

LABORATORY ANALYTICAL RESULTS

Laboratory analytical results for the confirmation floor soil samples FS01 through FS163 and sidewall soil samples SW01 through SW12, collected at depths ranging from ground surface to 3 feet bgs indicated that all COC concentrations were compliant with the Closure Criteria. Laboratory analytical results for the confirmation soil samples CS01 through CS07 indicated that all COC concentrations were compliant with the Closure Criteria and confirmed no impacted soil was identified in those areas. 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 June 28, 2024, release of produced water. Laboratory analytical results for the excavation soil samples, collected from the final excavation extent, indicated that all COC concentrations were compliant with the Site Closure Criteria. Based on the soil sample analytical results, no further remediation was required. XTO backfilled the excavation with material purchased locally and recontoured the Site to match pre-existing site conditions.

Excavation of impacted soil has mitigated impacts at this Site. Depth to groundwater has been estimated to be greater than 100 feet bgs. XTO believes these remedial actions are protective of human health, the environment, and groundwater. As such, XTO respectfully requests closure for Incident Number nAPP2418460531.

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

Received by OCD: 9/26/2024 11:09:04 AM

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Sincerely, Ensolum, LLC

Tree Hitland

Tracy Hillard Staff Engineer

Mouissey

Tacoma Morrissey Associate Principal

cc: Amy Ruth, XTO Amanda Garcia, XTO Bureau of Land Management

Appendices:

- Figure 1 Site Receptor Map
- Figure 2 Delineation Soil Sample Locations
- Figure 3A/ 3B Excavation Soil Sample Locations
- Table 1Soil 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

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Released to Imaging: 10/10/2024 2:45:23 PM

Legend



Approximate Pad Boundary

Excavation Extent





Excavation Soil Sample Locations

XTO Energy, Inc PLU 20 DTD Pad A

Unit C, S20, T 24S, R 30E Eddy County, New Mexico



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• Confirmation Soil Sample in Compliance with Site Closure Criteria

Confirmation Sidewall Soil Sample in Compliance with Site Closure Criteria

Well Head

Cut Polyline

Overhead Powerlines

Excavation Extent

Polyline

Approximate Pad Boundary

Source: Bing Maps



Excavation Soil Sample Locations

XTO Energy, Inc PLU 20 DTD Pad A

Unit C, S20, T 24S, R 30E Eddy County, New Mexico



Incident Number: nAPP2418460531



TABLES

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TABLE 1 SOIL SAMPLE ANALYTICAL RESULTS PLU 20 DTD Pad A XTO Energy, Inc Eddy County, New Mexico

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)	
NMOCD Table I C	losure Criteria (l	NMAC 19.15.29)	10	50	NE	NE	NE	NE	100	600	
				Delii	neation Soil Sa	mples		1	1		
PH01	07/08/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	432	
PH01A	07/08/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112	
PH02	07/08/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	560	
PH02A	07/08/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128	
PH03	07/08/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	528	
PH03A	07/08/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	176	
PH04	07/08/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	528	
PH04A	07/08/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	240	
PH04B	07/08/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	240	
PH05	07/08/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	640	
PH05A	07/08/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	480	
PH06	07/08/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,140	
PH06A	07/08/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	544	
PH07	07/08/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	176	
PH07A	07/08/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144	
PH08	07/08/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0	
PH08A	07/08/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0	
PH09	07/08/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	976	
PH09A	07/08/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0	
PH10	07/08/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	768	
PH10A	07/08/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	560	
PH11	07/08/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0	
PH11A	07/08/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	384	
PH12	07/08/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	256	
PH12A	07/08/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	336	
				Confi	irmation Soil Sa	mples					
FS01	07/09/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	208	
FS02	07/09/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0	
FS03	07/09/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0	
FS04	07/09/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128	
FS05	07/09/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	224	
FS06	07/09/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	240	
FS07	07/09/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0	

	TABLE 1 SOIL SAMPLE ANALYTICAL RESULTS PLU 20 DTD Pad A XTO Energy, Inc Eddy County, New Mexico											
Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)		
NMOCD Table I C	Closure Criteria (I	NMAC 19.15.29)	10	50	NE	NE	NE	NE	100	600		
FS08	07/09/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	208		
FS09	07/10/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144		
FS10	07/09/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160		
FS11	07/09/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0		
FS12	07/10/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0		
FS13	07/09/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	192		
FS14	07/09/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144		
FS15	07/09/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0		
FS16	07/10/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0		
FS17	07/09/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	288		
FS18	07/09/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144		
FS19	07/09/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0		
FS20	07/10/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0		
FS21	07/10/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0		
FS22	07/10/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0		
FS23	07/10/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	176		
FS24	07/10/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128		
FS25	07/10/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0		
FS26	07/10/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128		
FS27	07/10/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0		
FS28	07/10/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0		
FS29	07/10/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160		
FS30	07/10/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160		
FS31	07/10/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144		
FS32	07/10/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144		
FS33	07/10/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112		
FS34	07/10/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144		
FS35	07/10/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0		
FS36	07/10/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0		
FS37	07/10/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0		
FS38	07/10/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144		
FS39	07/10/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144		
FS40	07/10/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128		
FS41	07/10/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160		

	TABLE 1 SOIL SAMPLE ANALYTICAL RESULTS PLU 20 DTD Pad A XTO Energy, Inc Eddy County, New Mexico											
Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)		
NMOCD Table I C	Closure Criteria (I	NMAC 19.15.29)	10	50	NE	NE	NE	NE	100	600		
FS42	07/10/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128		
FS43	07/10/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160		
FS44	07/10/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160		
FS45	07/10/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	192		
FS46	07/10/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	176		
FS47	07/10/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0		
FS48	07/10/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128		
FS49	07/10/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160		
FS50	07/10/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	192		
FS51	07/10/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144		
FS52	07/10/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	240		
FS53	07/10/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112		
FS54	07/10/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0		
FS55	07/10/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112		
FS56	07/10/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128		
FS57	07/10/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144		
FS58	07/10/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160		
FS59	07/10/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112		
FS60	07/10/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0		
FS61	07/10/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0		
FS62	07/10/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112		
FS63	07/10/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0		
FS64	07/10/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0		
FS65	07/10/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	224		
FS66	07/10/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	224		
FS67	07/10/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	288		
FS68	07/10/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	176		
FS69	07/10/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160		
FS70	07/10/2024	2	< 0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	208		
FS71	07/10/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0		
FS72	07/10/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0		
FS73	07/10/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112		
FS74	07/10/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160		
FS75	07/10/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160		

	TABLE 1 SOIL SAMPLE ANALYTICAL RESULTS PLU 20 DTD Pad A XTO Energy, Inc Eddy County, New Mexico											
Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)		
NMOCD Table I C	losure Criteria (I	NMAC 19.15.29)	10	50	NE	NE	NE	NE	100	600		
FS76	07/10/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	176		
FS77	07/10/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112		
FS78	07/10/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128		
FS79	07/10/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144		
FS80	07/10/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112		
FS81	07/10/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128		
FS82	07/10/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0		
FS83	07/10/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0		
FS84	07/10/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0		
FS85	07/10/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144		
FS86	07/10/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112		
FS87	07/10/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128		
FS88	07/10/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0		
FS89	07/10/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112		
FS90	07/10/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0		
FS91	07/10/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128		
FS92	07/10/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128		
FS93	07/10/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144		
FS94	07/10/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112		
FS95	07/10/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144		
FS96	07/10/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144		
FS97	07/10/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0		
FS98	07/10/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128		
FS99	07/10/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112		
FS100	07/10/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0		
FS101	07/10/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0		
FS102	07/10/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112		
FS103	07/10/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112		
FS104	07/10/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112		
FS105	07/10/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128		
FS106	07/10/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	352		
FS107	07/10/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	320		
FS108	07/10/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	416		
FS109	07/10/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	416		

	TABLE 1 SOIL SAMPLE ANALYTICAL RESULTS PLU 20 DTD Pad A XTO Energy, Inc Eddy County, New Mexico											
Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)		
NMOCD Table I C	losure Criteria (I	NMAC 19.15.29)	10	50	NE	NE	NE	NE	100	600		
FS110	07/10/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	448		
FS111	07/10/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	432		
FS112	07/10/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	208		
FS113	07/10/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	208		
FS114	07/10/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160		
FS115	07/10/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112		
FS116	07/10/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112		
FS117	07/10/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112		
FS118	07/11/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	256		
FS119	07/11/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	320		
FS120	07/11/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	176		
FS121	07/11/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	304		
FS122	07/11/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	304		
FS123	07/11/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	304		
FS124	07/11/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128		
FS125	07/11/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160		
FS126	07/11/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160		
FS127	07/11/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144		
FS128	07/10/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112		
FS129	07/10/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160		
FS130	07/10/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144		
FS131	07/10/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160		
FS132	07/10/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	176		
FS133	07/10/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128		
FS134	07/10/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	352		
FS135	07/10/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	352		
FS136	07/10/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	368		
FS137	07/11/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144		
FS138	07/11/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144		
FS139	07/11/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0		
FS140	07/11/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0		
FS141	07/11/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0		
FS142	07/11/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0		
FS143	07/11/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128		

	TABLE 1 SOIL SAMPLE ANALYTICAL RESULTS PLU 20 DTD Pad A XTO Energy, Inc Eddy County, New Mexico											
Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)		
NMOCD Table I C	losure Criteria (I	NMAC 19.15.29)	10	50	NE	NE	NE	NE	100	600		
FS144	07/11/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0		
FS145	07/11/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112		
FS146	07/11/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112		
FS147	07/11/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0		
FS148	07/11/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0		
FS149	07/11/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0		
FS150	07/11/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	240		
FS151	07/11/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	208		
FS152	07/11/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	240		
FS153	07/11/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	208		
FS154	07/11/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	208		
FS155	07/11/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	208		
FS156	07/11/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	224		
FS157	07/11/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128		
FS158	07/11/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128		
FS159	07/11/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128		
FS160	07/11/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	304		
FS161	07/11/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	256		
FS162	07/11/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	272		
FS163	07/11/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	288		
SW01	07/10/2024	0-2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	176		
SW02	07/10/2024	0-2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144		
SW03	07/10/2024	0-3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0		
SW04	07/10/2024	0-2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	176		
SW05	07/10/2024	0-2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144		
SW06	07/10/2024	0-2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128		
SW07	07/10/2024	0-2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	208		
SW08	07/10/2024	0-2	< 0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128		
SW09	07/10/2024	0-2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160		
SW10	07/10/2024	0-2	< 0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128		
SW11	07/10/2024	0-2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	176		
SW12	07/10/2024	0-2	< 0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	192		
CS01	07/11/2024	0.5	< 0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	304		
CS02	07/11/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0		

E N S O L U M

TABLE 1 SOIL SAMPLE ANALYTICAL RESULTS PLU 20 DTD Pad A XTO Energy, Inc Eddy County, New Mexico

Sample I.D.	Sample Sample Depth Date (feet bgs)		Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Cl	NMOCD Table I Closure Criteria (NMAC 19.15.29)		10	50	NE	NE	NE	NE	100	600
CS03	07/11/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0
CS04	07/11/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128
CS05	07/11/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
CS06	07/11/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
CS07	07/11/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112

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



APPENDIX A

Referenced Well Records

PAGE 1 OF 2

OSE DII DEC 21 2022 PM3:14



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

NC	OSE POD NO. (N C-04676 POI).)		WELL TAG ID NO).		OSE FILE NO	S).				
OCATIC	WELL OWNER	1						PHONE (OPTI 575-200-072					
WELL L	well owner 3104 E GREI				13.5			CITY CARLSBAI)	STATE NM 88220	ZIP		
GENERAL AND WELL LOCATION	WELL LOCATION (FROM GPS)	LA	TITUDE	egrees 32 -103	MINUTES 12 54	SECONE 32.60 50.93	6 N	* ACCURACY	CY REQUIRED: ONE TENTH OF A SECOND				
1. GENE		RELATIN	NGTODE	200						ERE AVAILABLE			
	LICENSE NO. WD-118	34	NAME OF LICENSED		ELL SOUTHER	LAND			NAME OF WELL DR WEST TEXAS	ILLING COMPANY S WATER WELL SE	RVICE		
	DRILLING STA 11/22/2		DRILLING ENDED 11/22/22	DEPTH OF CO	OMPLETED WELL (F 120	T)	BORE HO	LE DEPTH (FT)	DEPTH WATER FIR	ST ENCOUNTERED (FT))		
Z	COMPLETED W	ELL IS:	ARTESIAN	DRY HO	LE 🗌 SHALLO	OW (UNCON	FINED)		STATIC WATER LEV	/EL IN COMPLETED WE N/A	ELL (FT)		
IOIT	DRILLING FLU	D:	🖌 AIR	MUD	ADDITIV	VES – SPECI	FY:						
RMA	DRILLING MET	HOD:	ROTARY	HAMME	R CABLET	TOOL	OTHE	ER - SPECIFY:					
2. DRILLING & CASING INFORMATION	DEPTH (feet bgl) FROM TO		BORE HOLE DIAM (inches)	(include	MATERIAL ANI GRADE each casing string sections of screen	, and	CON	ASING NECTION IYPE Jing diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)		
NG &			1	NO	CASING IN HOL	E							
ILLE													
2. DR		-		-									
	DEPTH (fe	et bgl)	BORE HOLE		ST ANNULAR S				AMOUNT	METHO			
ERIAI	FROM	то	DIAM. (inches)	GRA	VEL PACK SIZE	-RANGE	BY INTE	SRVAL	(cubic feet)	PLACEN	MENT		
R MATI			-		1	N/A							
3. ANNULAR MATERIAL													
3. A			-	-									
	OSE INTERNA									& LOG (Version 04/3	0/19)		
FILE	ENO. C-C	46	76		POD NO	D. I		TRN	NO. 7367	86			

WELL TAG ID NO.

LOCATION

245.30E.19.1.2.2

	DEPTH (1	eet bgl)	1.1.1.1.2.1	COLOR A	ND TYPE OF MATE	RIAL ENCOU	NTERED -	w	ATER	ESTIMATED
	FROM	то	THICKNESS (feet)		TER-BEARING CAVI upplemental sheets to			S BEA	RING? S / NO)	YIELD FOR WATER- BEARING ZONES (gpm)
	0	1			CALICHIE	PAD		Y	V N	
	1	120	· · · · · · · ·		RED SAM	JD		Y	🖌 N	-
								Y	N	
								Y	N	
	2							Y	N	
-								Y	N	
								Y	N	
5								Y	N	
								Y	N	
								Y	N	
								Y	N	
245								Y	N	
DRU							_	Y	N	
4. HI DRUGEOLOGIC LOG OF WELL								Y	N	
4								Y	N	
	_				<u> </u>			Y	N	
								Y	N	
								Y	N	
								Y	N	
								Y	N	
								Y	N	
	METHOD U	SED TO E	STIMATE YIELD	OF WATER-BEARI	NG STRATA:			TOTAL EST		
	PUM		AIR LIFT	BAILER	OTHER - SPECIFY: D	RY HOLE		WELL YIEL	D (gpm):	0.00
NOISIANS INCOMENT	WELL TES	STAF			ATA COLLECTED DU SHOWING DISCHAR		WDOWN OV		ING PERIC	DD.
N 1031 .C	PRINT NAM			VISOR(S) THAT PR	OVIDED ONSITE SU	PERVISION C	OF WELL CON	STRUCTION	OTHER TH	IAN LICENSE
9. SIGNALUKE	BY SIGNIN RECORD O	G BELOW PTHE ABO DRD WILL	V, I CERTIFY TH	WELL. I ALSO CER WITH THE PERMIT	OF MY KNOWLEDG THY THAT THE WI HOLDER WITHIN 3 ELL SOUTHERLAN E NAME	ELL TAG, IF R DAYS AFTE	EQUIRED, HA	AS BEEN INST LETION OF W	ALLED A	ND THAT THIS
	OFF DUTER	NAL LICE					W/P 20 W/F	LI RECORD	NIOC AL	mion 04/20/201
-	E NO.	0467	6		POD NO.		TRN NO.	7362		rsion 04/30/2019
_		US T	OF 19,1	77.	_	WELL	TAG ID NO.	7 000	auge -	PAGE 2 OF



APPENDIX B

Photographic Log









APPENDIX C

Lithologic Soil Sampling Logs

				Sample Name: PH01	Date: 7/8/2024
	I NI (SOL		Site Name: PLU 20 DTD	Pad A
				Incident Number: nAPP2	2418460531
				Job Number: 03C15584	57
LITH	HOLOGIC / S	SOIL SAMPLING	LOG	Logged By: OH	Method: Backhoe
Coordinates: 32.208				Hole Diameter: 2'	Total Depth: 2'
				nd PID for chloride and vap ection factor was included.	or, respectively. Chloride test
Moisture Content Chloride (ppm) Vapor	(ppm) Staining	Sample Depth (ft bgs)	\supset		logic Descriptions
D 453 0. D 453 0.		H01 0.5	1	E (0-2') CALICHE, whi no odor, no stai	te, fine grain, poorly graded ning
D <196 0.	0 N PH	H01A 2	2		
		I 1	Total Depth @	l 2 feet bgs	

				Sample Name: PH02	Date: 7/8/2024
		OLU	R/	Site Name: PLU 20 DTD Pad A	
				Incident Number: nAPP241846053	1
				Job Number: 03C1558457	
LITHOL	OGIC / SOIL S	SAMPLING LOG		Logged By: OH	Method: Backhoe
Coordinates: 32.208210				Hole Diameter: 2'	Total Depth: 2'
Comments: Field screen performed with 1:4 dilu				PID for chloride and vapor, respect on factor was included.	ively. Chloride test
Moisture Content Chloride (ppm) Vapor (ppm)	Staining Sample ID	Sample Depth (ft bgs)	USCS/Rock Symbol	Lithologic Des	
D 453 0.0 D 453 0.0	N PHO2 N		CCHE	(0-2') CALICHE, white, fine g no odor, no staining	rain, poorly graded
D <196 0.0	N PH02A	2 2			
		L Total Dej	oth @ 2	feet bgs	I

								Sample Name: PH03	Date: 7/8/2024
			R I	C			RA	Site Name: PLU 20 DTD Pad A	
						LU		Incident Number: nAPP241846053	31
								Job Number: 03C1558457	
		lithol	OGI	c / soil s	SAMPLING	g log		Logged By: OH	Method: Backhoe
	nates: 32							Hole Diameter: 2'	Total Depth: 2'
								PID for chloride and vapor, respect on factor was included.	tively. Chloride test
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic De	
D	453 565	0.0	N N	PH03			CCHE	(0-2') CALICHE, white, fine g no odor, no staining	grain, poorly graded
D	235	0.0	Ν	PH03A	2	2			
k	•			-	-	Total De	oth @ 2	feet bgs	

								Sample Name: PH04	Date: 7/8/2024
			N	C			R A	Site Name: PLU 20 DTD Pad A	
				3		LU		Incident Number: nAPP2418460)531
								Job Number: 03C1558457	
		lithol	OGI	c / soil s	SAMPLING	g log		Logged By: OH	Method: Backhoe
	inates: 32							Hole Diameter: 2'	Total Depth: 3'
								PID for chloride and vapor, response on factor was included.	ectively. Chloride test
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic D	
D	453 694	0.0 0.0	N N	PH04	0.5		CCHE	(0-2') CALICHE, white, fine no odor, no staining	e grain, poorly graded
D	694 694	0.0	N	PH04A	1 _ - 1 _				
D	403	0.0	N	PH04B	3	- 3 Total Dep		(2-3') SAND, reddish brow	m, fine grain, no odor

						Sample Name: PH05	Date: 7/8/2024
		N S			R/	Site Name: PLU 20 DTD Pad	A
						Incident Number: nAPP2418	3460531
						Job Number: 03C1558457	
	LITHOLO	DGIC / SOIL	SAMPLING	G LOG		Logged By: OH	Method: Backhoe
Coordinates: 3						Hole Diameter: 2'	Total Depth: 2'
						PID for chloride and vapor, r on factor was included.	espectively. Chloride test
Moisture Content Chloride (ppm)	Vapor (ppm)	Staining Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol		ic Descriptions
D 767 D 509	0.0 0.0	N PHO5 N	0.5 1		CCHE	(0-2') CALICHE, white, no odor, no stainin	fine grain, poorly graded g
D 509	0.0	N PH05A	2	2			
	I I	I	· -	L Total Dep	oth @ 2	feet bgs	

				Sample Name: PH06	Date: 7/8/2024
		OLU	RA	Site Name: PLU 20 DTD Pad A	
				Incident Number: nAPP2418460	531
				Job Number: 03C1558457	
LITI	HOLOGIC / SOIL	SAMPLING LOG		Logged By: OH	Method: Backhoe
Coordinates: 32.207				Hole Diameter: 2'	Total Depth: 2'
		with HACH Chloride Test S bil to distilled water. A 409		PID for chloride and vapor, respe on factor was included.	ctively. Chloride test
Moisture Content Chloride (ppm) Vapor	(ppm) Staining Sample ID	Sample Depth (ft bgs)	USCS/Rock Symbol	Lithologic D	
	0.0 N PH06		CCHE	(0-2') CALICHE, white, fine no odor, no staining	grain, poorly graded
D 509 0	0.0 N PH06A	2 2 2			
	1 1	Total Dej	oth @ 2	feet bgs	

				Sample Name: PH07	Date: 7/8/2024
		OLU	R.A	Site Name: PLU 20 DTD Pad A	•
	IN J			Incident Number: nAPP24184605	31
				Job Number: 03C1558457	
LITHC	DLOGIC / SOIL S	SAMPLING LOG		Logged By: OH	Method: Backhoe
Coordinates: 32.2075				Hole Diameter: 2'	Total Depth: 2'
		ith HACH Chloride Test S I to distilled water. A 409		PID for chloride and vapor, respect on factor was included.	tively. Chloride test
Moisture Content Chloride (ppm) Vapor	Staining Sample ID	Sample Depth (ft bgs)	USCS/Rock Symbol	Lithologic De	
D 509 0.0 D 1,702 0.0			CCHE	(0-2') CALICHE, white, fine a no odor, no staining	rain, poorly graded
D <196 0.0	N PH07A	2 1 2			
		L Total Dep	oth @ 2	feet bgs	

						Sample Name: PH08	Date: 7/8/2024
	ΕN				RA	Site Name: PLU 20 DTD Pad	
						Incident Number: nAPP2418	3460531
						Job Number: 03C1558457	
L	ITHOLOGI	C / SOIL S	SAMPLING	G LOG		Logged By: OH	Method: Backhoe
Coordinates: 32.						Hole Diameter: 2'	Total Depth: 2'
						PID for chloride and vapor, r on factor was included.	espectively. Chloride test
Moisture Content Chloride (ppm)	Vapor (ppm) Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol		ic Descriptions
D <196 D 196	0.0 N 0.0 N	PH08	0.5 _ 1 _		CCHE	(0-2') CALICHE, white, no odor, no stainin	fine grain, poorly graded g
D <196	0.0 N	PH08A	2	2			
		I	-	L Total Dep	ן hth @ כ	feet bgs	

						Sample Name: PH09	Date: 7/8/2024
	I NI	C		LU	RA	Site Name: PLU 20 DTD Pad A	
		2				Incident Number: nAPP24184	60531
						Job Number: 03C1558457	
LIT	THOLOGIC	C / SOIL S	AMPLING	G LOG		Logged By: OH	Method: Backhoe
Coordinates: 32.20						Hole Diameter: 2'	Total Depth: 2'
						PID for chloride and vapor, res on factor was included.	pectively. Chloride test
Moisture Content Chloride (ppm) Vapor	(ppm) Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol		Descriptions
	0.0 N 0.0 N	РН09	0.5 _ 1 _		CCHE	(0-2') CALICHE, white, fir no odor, no staining	ne grain, poorly graded
D <196 (0.0 N	PH09A	2	2			
	1 1	I	-	L Total Dep	oth @ 2	feet bgs	

						Sample Name: PH10	Date: 7/8/2024
	ΕN				R A	Site Name: PLU 20 DTD Pad A	•
						Incident Number: nAPP2418460)531
						Job Number: 03C1558457	
-	LITHOLOG	IC / SOIL S	SAMPLING		Logged By: OH	Method: Backhoe	
Coordinates: 32	.207819, -10	3.907228				Hole Diameter: 2'	Total Depth: 2'
						PID for chloride and vapor, resp on factor was included.	ectively. Chloride test
Moisture Content Chloride (ppm)	Vapor (ppm) Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic D	
D 728 D 386	0.0 N 0.0 N	PH10	0.5 1		CCHE	(0-2') CALICHE, white, fine no odor, no staining	e grain, poorly graded
D 537	0.0 N	PH10A	2	2			
	I	1	-	L Total Dep	oth @ 2	feet bgs	

							Sample Name: PH11	Date: 7/8/2024
			C		LU	RA	Site Name: PLU 20 DTD Pad A	•
							Incident Number: nAPP2418460)531
							Job Number: 03C1558457	
	LITHOLO	OGIC	C / SOIL S	AMPLING	G LOG		Logged By: OH	Method: Backhoe
Coordinates: 32							Hole Diameter: 2'	Total Depth: 2'
							PID for chloride and vapor, resp on factor was included.	ectively. Chloride test
Moisture Content Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic D	escriptions
D 386 D 431	0.0 0.0	N N	PH11	0.5		CCHE	(0-2') CALICHE, white, fine no odor, no staining	e grain, poorly graded
D 537	0.0	Ν	PH11A	2	2			
	I	1	I	-	L Total Dep	oth @ 2	feet bgs	
						Sample Name: PH12	Date: 7/8/2024	
--	----------------------------	------------	-----------------------------	-------------------	---------------------	--	-----------------------	
	ΕΝ				R A	Site Name: PLU 20 DTD Pad A	•	
						Incident Number: nAPP24184605	31	
						Job Number: 03C1558457		
Lľ	THOLOGI	c / soil s		i log		Logged By: OH	Method: Backhoe	
Coordinates: 32.2	207949, -103	8.907102				Hole Diameter: 2'	Total Depth: 2'	
						PID for chloride and vapor, respection on factor was included.	tively. Chloride test	
Moisture Content Chloride (ppm)	Vapor (ppm) Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic De	scriptions	
	0.0 N 0.0 N	PH12	0.5 _ 1 _		CCHE	(0-2') CALICHE, white, fine no odor, no staining	grain, poorly graded	
D 263	0.0 N	PH12A	2	2				
	1 1	I I	_	Total Dep	oth @ 2	feet bgs		



APPENDIX D

Laboratory Analytical Reports & Chain of Custody Documentation



July 15, 2024

BEN BELILL ENSOLUM 3122 NATIONAL PARKS HWY CARLSBAD, NM 88220

RE: PLU 20 DTD PAD A

Enclosed are the results of analyses for samples received by the laboratory on 07/09/24 13:57.

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.

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,

Celez D. Keine

Celey D. Keene Lab Director/Quality Manager



		ENSOLUM BEN BELILL 3122 NATIONAL PARKS HW CARLSBAD NM, 88220 Fax To:	Y	
Received:	07/09/2024		Sampling Date:	07/08/2024
Reported:	07/15/2024		Sampling Type:	Soil
Project Name:	PLU 20 DTD PAD A		Sampling Condition:	Cool & Intact
Project Number:	03C1558457		Sample Received By:	Alyssa Parras

XTO 32.20793,-103.90713

Sample ID: PH 01 0.5' (H244066-01)

Project Location:

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Benzene*	<0.050	0.050	07/10/2024	ND	1.89	94.6	2.00	1.21	
Toluene*	<0.050	0.050	07/10/2024	ND	1.93	96.5	2.00	0.558	
Ethylbenzene*	<0.050	0.050	07/10/2024	ND	2.07	103	2.00	0.821	
Total Xylenes*	<0.150	0.150	07/10/2024	ND	6.10	102	6.00	0.662	
Total BTEX	<0.300	0.300	07/10/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.5	% 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	432	16.0	07/10/2024	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	Qualifie
GRO C6-C10*	<10.0	10.0	07/10/2024	ND	186	93.1	200	0.725	
DRO >C10-C28*	<10.0	10.0	07/10/2024	ND	183	91.7	200	0.735	
EXT DRO >C28-C36	<10.0	10.0	07/10/2024	ND					
Surrogate: 1-Chlorooctane	79.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	92.5	% 49.1-14	0						

Cardinal Laboratories

*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



		ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:	Y	
Received:	07/09/2024		Sampling Date:	07/08/2024
Reported:	07/15/2024		Sampling Type:	Soil
Project Name:	PLU 20 DTD PAD A		Sampling Condition:	Cool & Intact
Project Number:	03C1558457		Sample Received By:	Alyssa Parras
Project Location:	XTO 32.20793,-103	.90713		

Sample ID: PH 01A 2' (H244066-02)

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	07/10/2024	ND	1.89	94.6	2.00	1.21	
Toluene*	<0.050	0.050	07/10/2024	ND	1.93	96.5	2.00	0.558	
Ethylbenzene*	<0.050	0.050	07/10/2024	ND	2.07	103	2.00	0.821	
Total Xylenes*	<0.150	0.150	07/10/2024	ND	6.10	102	6.00	0.662	
Total BTEX	<0.300	0.300	07/10/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.2	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	07/10/2024	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	07/10/2024	ND	186	93.1	200	0.725	
DRO >C10-C28*	<10.0	10.0	07/10/2024	ND	183	91.7	200	0.735	
EXT DRO >C28-C36	<10.0	10.0	07/10/2024	ND					
Surrogate: 1-Chlorooctane	113 9	48.2-13	4						
Surrogate: 1-Chlorooctadecane	131 9	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



		ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:	Y	
Received:	07/09/2024		Sampling Date:	07/08/2024
Reported:	07/15/2024		Sampling Type:	Soil
Project Name:	PLU 20 DTD PAD A		Sampling Condition:	Cool & Intact
Project Number:	03C1558457		Sample Received By:	Alyssa Parras
Project Location:	XTO 32.20793,-103	.90713		

Sample ID: PH 02 0.5' (H244066-03)

BTEX 8021B	mg/	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/10/2024	ND	1.89	94.6	2.00	1.21	
Toluene*	<0.050	0.050	07/10/2024	ND	1.93	96.5	2.00	0.558	
Ethylbenzene*	<0.050	0.050	07/10/2024	ND	2.07	103	2.00	0.821	
Total Xylenes*	<0.150	0.150	07/10/2024	ND	6.10	102	6.00	0.662	
Total BTEX	<0.300	0.300	07/10/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.8	% 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	560	16.0	07/10/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/10/2024	ND	186	93.1	200	0.725	
DRO >C10-C28*	<10.0	10.0	07/10/2024	ND	183	91.7	200	0.735	
EXT DRO >C28-C36	<10.0	10.0	07/10/2024	ND					
Surrogate: 1-Chlorooctane	87.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	101 9	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



		ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:	Y	
Received:	07/09/2024		Sampling Date:	07/08/2024
Reported:	07/15/2024		Sampling Type:	Soil
Project Name:	PLU 20 DTD PAD A		Sampling Condition:	Cool & Intact
Project Number:	03C1558457		Sample Received By:	Alyssa Parras
Project Location:	XTO 32.20793,-103	.90713		

Sample ID: PH 02A 2' (H244066-04)

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	07/10/2024	ND	1.89	94.6	2.00	1.21	
Toluene*	<0.050	0.050	07/10/2024	ND	1.93	96.5	2.00	0.558	
Ethylbenzene*	<0.050	0.050	07/10/2024	ND	2.07	103	2.00	0.821	
Total Xylenes*	<0.150	0.150	07/10/2024	ND	6.10	102	6.00	0.662	
Total BTEX	<0.300	0.300	07/10/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.2	% 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	07/10/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/10/2024	ND	186	93.1	200	0.725	
DRO >C10-C28*	<10.0	10.0	07/10/2024	ND	183	91.7	200	0.735	
EXT DRO >C28-C36	<10.0	10.0	07/10/2024	ND					
Surrogate: 1-Chlorooctane	94.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	110 9	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



		ENSOLUM BEN BELILL 3122 NATIONAL PARKS HW CARLSBAD NM, 88220 Fax To:	Y	
Received:	07/09/2024		Sampling Date:	07/08/2024
Reported:	07/15/2024		Sampling Type:	Soil
Project Name:	PLU 20 DTD PAD A		Sampling Condition:	Cool & Intact
Project Number:	03C1558457		Sample Received By:	Alyssa Parras
Project Location:	XTO 32.20793,-103	.90713		

Sample ID: PH 03 0.5' (H244066-05)

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	07/10/2024	ND	1.89	94.6	2.00	1.21	
Toluene*	<0.050	0.050	07/10/2024	ND	1.93	96.5	2.00	0.558	
Ethylbenzene*	<0.050	0.050	07/10/2024	ND	2.07	103	2.00	0.821	
Total Xylenes*	<0.150	0.150	07/10/2024	ND	6.10	102	6.00	0.662	
Total BTEX	<0.300	0.300	07/10/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.3	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	528	16.0	07/10/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/10/2024	ND	186	93.1	200	0.725	
DRO >C10-C28*	<10.0	10.0	07/10/2024	ND	183	91.7	200	0.735	
EXT DRO >C28-C36	<10.0	10.0	07/10/2024	ND					
Surrogate: 1-Chlorooctane	118 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	138 9	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



		ENSOLUM BEN BELILL 3122 NATIONAL PARKS HW CARLSBAD NM, 88220 Fax To:	Y	
Received:	07/09/2024		Sampling Date:	07/08/2024
Reported:	07/15/2024		Sampling Type:	Soil
Project Name:	PLU 20 DTD PAD A		Sampling Condition:	Cool & Intact
Project Number:	03C1558457		Sample Received By:	Alyssa Parras
Project Location:	XTO 32.20793,-103	.90713		

Sample ID: PH 03A 2' (H244066-06)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/10/2024	ND	1.89	94.6	2.00	1.21	
Toluene*	<0.050	0.050	07/10/2024	ND	1.93	96.5	2.00	0.558	
Ethylbenzene*	<0.050	0.050	07/10/2024	ND	2.07	103	2.00	0.821	
Total Xylenes*	<0.150	0.150	07/10/2024	ND	6.10	102	6.00	0.662	
Total BTEX	<0.300	0.300	07/10/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.4	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	07/10/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/10/2024	ND	186	93.1	200	0.725	
DRO >C10-C28*	<10.0	10.0	07/10/2024	ND	183	91.7	200	0.735	
EXT DRO >C28-C36	<10.0	10.0	07/10/2024	ND					
Surrogate: 1-Chlorooctane	112 9	48.2-13	4						
Surrogate: 1-Chlorooctadecane	130 \$	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



		ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:	Y	
Received:	07/09/2024		Sampling Date:	07/08/2024
Reported:	07/15/2024		Sampling Type:	Soil
Project Name:	PLU 20 DTD PAD A		Sampling Condition:	Cool & Intact
Project Number:	03C1558457		Sample Received By:	Alyssa Parras
Project Location:	XTO 32.20793,-103	.90713		

Sample ID: PH 04 0.5' (H244066-07)

BTEX 8021B	mg/	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/10/2024	ND	1.89	94.6	2.00	1.21	
Toluene*	<0.050	0.050	07/10/2024	ND	1.93	96.5	2.00	0.558	
Ethylbenzene*	<0.050	0.050	07/10/2024	ND	2.07	103	2.00	0.821	
Total Xylenes*	<0.150	0.150	07/10/2024	ND	6.10	102	6.00	0.662	
Total BTEX	<0.300	0.300	07/10/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.2	% 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	528	16.0	07/10/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/10/2024	ND	186	93.1	200	0.725	
DRO >C10-C28*	<10.0	10.0	07/10/2024	ND	183	91.7	200	0.735	
EXT DRO >C28-C36	<10.0	10.0	07/10/2024	ND					
Surrogate: 1-Chlorooctane	108 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	123 9	% 49.1-14	8						

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		ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:	Y	
Received:	07/09/2024		Sampling Date:	07/08/2024
Reported:	07/15/2024		Sampling Type:	Soil
Project Name:	PLU 20 DTD PAD A		Sampling Condition:	Cool & Intact
Project Number:	03C1558457		Sample Received By:	Alyssa Parras
Project Location:	XTO 32.20793,-103.	90713		

Sample ID: PH 04A 2' (H244066-08)

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	07/10/2024	ND	1.89	94.6	2.00	1.21	
Toluene*	<0.050	0.050	07/10/2024	ND	1.93	96.5	2.00	0.558	
Ethylbenzene*	<0.050	0.050	07/10/2024	ND	2.07	103	2.00	0.821	
Total Xylenes*	<0.150	0.150	07/10/2024	ND	6.10	102	6.00	0.662	
Total BTEX	<0.300	0.300	07/10/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.6	% 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	240	16.0	07/10/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/10/2024	ND	197	98.4	200	7.11	
DRO >C10-C28*	<10.0	10.0	07/10/2024	ND	193	96.4	200	6.47	
EXT DRO >C28-C36	<10.0	10.0	07/10/2024	ND					
Surrogate: 1-Chlorooctane	99.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	104 9	% 49.1-14	8						

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		ENSOLUM BEN BELILL 3122 NATIONAL PARKS HW CARLSBAD NM, 88220 Fax To:	Y	
Received:	07/09/2024		Sampling Date:	07/08/2024
Reported:	07/15/2024		Sampling Type:	Soil
Project Name:	PLU 20 DTD PAD A		Sampling Condition:	Cool & Intact
Project Number:	03C1558457		Sample Received By:	Alyssa Parras
Project Location:	XTO 32.20793,-103	.90713		

Sample ID: PH 04B 3' (H244066-09)

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	07/10/2024	ND	1.89	94.6	2.00	1.21	
Toluene*	<0.050	0.050	07/10/2024	ND	1.93	96.5	2.00	0.558	
Ethylbenzene*	<0.050	0.050	07/10/2024	ND	2.07	103	2.00	0.821	
Total Xylenes*	<0.150	0.150	07/10/2024	ND	6.10	102	6.00	0.662	
Total BTEX	<0.300	0.300	07/10/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.7	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	07/10/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/10/2024	ND	197	98.4	200	7.11	
DRO >C10-C28*	<10.0	10.0	07/10/2024	ND	193	96.4	200	6.47	
EXT DRO >C28-C36	<10.0	10.0	07/10/2024	ND					
Surrogate: 1-Chlorooctane	114 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	115 9	% 49.1-14	8						

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		ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:	Y	
Received:	07/09/2024		Sampling Date:	07/08/2024
Reported:	07/15/2024		Sampling Type:	Soil
Project Name:	PLU 20 DTD PAD A		Sampling Condition:	Cool & Intact
Project Number:	03C1558457		Sample Received By:	Alyssa Parras
Project Location:	XTO 32.20793,-103	.90713		

Sample ID: PH 05 0.5' (H244066-10)

BTEX 8021B	mg/	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/10/2024	ND	1.89	94.6	2.00	1.21	
Toluene*	<0.050	0.050	07/10/2024	ND	1.93	96.5	2.00	0.558	
Ethylbenzene*	<0.050	0.050	07/10/2024	ND	2.07	103	2.00	0.821	
Total Xylenes*	<0.150	0.150	07/10/2024	ND	6.10	102	6.00	0.662	
Total BTEX	<0.300	0.300	07/10/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.3	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	640	16.0	07/10/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/10/2024	ND	197	98.4	200	7.11	
DRO >C10-C28*	<10.0	10.0	07/10/2024	ND	193	96.4	200	6.47	
EXT DRO >C28-C36	<10.0	10.0	07/10/2024	ND					
Surrogate: 1-Chlorooctane	117 9	48.2-13	4						
Surrogate: 1-Chlorooctadecane	114 9	% 49.1-14	8						

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		ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:		
Received:	07/09/2024		Sampling Date:	07/08/2024
Reported:	07/15/2024		Sampling Type:	Soil
Project Name:	PLU 20 DTD PAD A		Sampling Condition:	Cool & Intact
Project Number:	03C1558457		Sample Received By:	Alyssa Parras
Project Location:	XTO 32.20793,-103	.90713		

Sample ID: PH 05A 2' (H244066-11)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/10/2024	ND	1.89	94.6	2.00	1.21	
Toluene*	<0.050	0.050	07/10/2024	ND	1.93	96.5	2.00	0.558	
Ethylbenzene*	<0.050	0.050	07/10/2024	ND	2.07	103	2.00	0.821	
Total Xylenes*	<0.150	0.150	07/10/2024	ND	6.10	102	6.00	0.662	
Total BTEX	<0.300	0.300	07/10/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.3	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	480	16.0	07/10/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/10/2024	ND	197	98.4	200	7.11	
DRO >C10-C28*	<10.0	10.0	07/10/2024	ND	193	96.4	200	6.47	
EXT DRO >C28-C36	<10.0	10.0	07/10/2024	ND					
Surrogate: 1-Chlorooctane	78.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	80.0	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



		ENSOLUM BEN BELILL 3122 NATIONAL PARKS HW CARLSBAD NM, 88220 Fax To:	Y	
Received:	07/09/2024		Sampling Date:	07/08/2024
Reported:	07/15/2024		Sampling Type:	Soil
Project Name:	PLU 20 DTD PAD A		Sampling Condition:	Cool & Intact
Project Number:	03C1558457		Sample Received By:	Alyssa Parras
Project Location:	XTO 32.20793,-103	.90713		

Sample ID: PH 06 0.5' (H244066-12)

BTEX 8021B	mg/	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/10/2024	ND	1.97	98.3	2.00	3.42	
Toluene*	<0.050	0.050	07/10/2024	ND	1.96	97.9	2.00	4.12	
Ethylbenzene*	<0.050	0.050	07/10/2024	ND	2.05	102	2.00	5.12	
Total Xylenes*	<0.150	0.150	07/10/2024	ND	6.03	100	6.00	4.69	
Total BTEX	<0.300	0.300	07/10/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1140	16.0	07/10/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/10/2024	ND	197	98.4	200	7.11	
DRO >C10-C28*	<10.0	10.0	07/10/2024	ND	193	96.4	200	6.47	
EXT DRO >C28-C36	<10.0	10.0	07/10/2024	ND					
Surrogate: 1-Chlorooctane	93.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	94.2	% 49.1-14	8						

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		ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:	Y	
Received:	07/09/2024		Sampling Date:	07/08/2024
Reported:	07/15/2024		Sampling Type:	Soil
Project Name:	PLU 20 DTD PAD A		Sampling Condition:	Cool & Intact
Project Number:	03C1558457		Sample Received By:	Alyssa Parras
Project Location:	XTO 32.20793,-103	.90713		

Sample ID: PH 06A 2' (H244066-13)

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	07/10/2024	ND	1.97	98.3	2.00	3.42	
Toluene*	<0.050	0.050	07/10/2024	ND	1.96	97.9	2.00	4.12	
Ethylbenzene*	<0.050	0.050	07/10/2024	ND	2.05	102	2.00	5.12	
Total Xylenes*	<0.150	0.150	07/10/2024	ND	6.03	100	6.00	4.69	
Total BTEX	<0.300	0.300	07/10/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	106 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	544	16.0	07/10/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/10/2024	ND	197	98.4	200	7.11	
DRO >C10-C28*	<10.0	10.0	07/10/2024	ND	193	96.4	200	6.47	
EXT DRO >C28-C36	<10.0	10.0	07/10/2024	ND					
Surrogate: 1-Chlorooctane	102 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	106 9	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



		ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:	Y	
Received:	07/09/2024		Sampling Date:	07/08/2024
Reported:	07/15/2024		Sampling Type:	Soil
Project Name:	PLU 20 DTD PAD A		Sampling Condition:	Cool & Intact
Project Number:	03C1558457		Sample Received By:	Alyssa Parras
Project Location:	XTO 32.20793,-103	.90713		

Sample ID: PH 07 0.5' (H244066-14)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/10/2024	ND	1.97	98.3	2.00	3.42	
Toluene*	<0.050	0.050	07/10/2024	ND	1.96	97.9	2.00	4.12	
Ethylbenzene*	<0.050	0.050	07/10/2024	ND	2.05	102	2.00	5.12	
Total Xylenes*	<0.150	0.150	07/10/2024	ND	6.03	100	6.00	4.69	
Total BTEX	<0.300	0.300	07/10/2024	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	176	16.0	07/10/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/10/2024	ND	197	98.4	200	7.11	
DRO >C10-C28*	<10.0	10.0	07/10/2024	ND	193	96.4	200	6.47	
EXT DRO >C28-C36	<10.0	10.0	07/10/2024	ND					
Surrogate: 1-Chlorooctane	105 9	48.2-13	4						
Surrogate: 1-Chlorooctadecane	104 9	% 49.1-14	8						

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		ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:	, ,	
Received:	07/09/2024		Sampling Date:	07/08/2024
Reported:	07/15/2024		Sampling Type:	Soil
Project Name:	PLU 20 DTD PAD A		Sampling Condition:	Cool & Intact
Project Number:	03C1558457		Sample Received By:	Alyssa Parras
Project Location:	XTO 32.20793,-103	.90713		

Sample ID: PH 07A 2' (H244066-15)

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	07/10/2024	ND	1.97	98.3	2.00	3.42	
Toluene*	<0.050	0.050	07/10/2024	ND	1.96	97.9	2.00	4.12	
Ethylbenzene*	<0.050	0.050	07/10/2024	ND	2.05	102	2.00	5.12	
Total Xylenes*	<0.150	0.150	07/10/2024	ND	6.03	100	6.00	4.69	
Total BTEX	<0.300	0.300	07/10/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	07/10/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/10/2024	ND	197	98.4	200	7.11	
DRO >C10-C28*	<10.0	10.0	07/10/2024	ND	193	96.4	200	6.47	
EXT DRO >C28-C36	<10.0	10.0	07/10/2024	ND					
Surrogate: 1-Chlorooctane	100	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	102	% 49.1-14	8						

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		ENSOLUM BEN BELILL 3122 NATIONAL PARKS HW CARLSBAD NM, 88220 Fax To:	Y	
Received:	07/09/2024		Sampling Date:	07/08/2024
Reported:	07/15/2024		Sampling Type:	Soil
Project Name:	PLU 20 DTD PAD A		Sampling Condition:	Cool & Intact
Project Number:	03C1558457		Sample Received By:	Alyssa Parras
Project Location:	XTO 32.20793,-103	.90713		

Sample ID: PH 08 0.5' (H244066-16)

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	07/10/2024	ND	1.97	98.3	2.00	3.42	
Toluene*	<0.050	0.050	07/10/2024	ND	1.96	97.9	2.00	4.12	
Ethylbenzene*	<0.050	0.050	07/10/2024	ND	2.05	102	2.00	5.12	
Total Xylenes*	<0.150	0.150	07/10/2024	ND	6.03	100	6.00	4.69	
Total BTEX	<0.300	0.300	07/10/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	′kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	07/10/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/10/2024	ND	197	98.4	200	7.11	
DRO >C10-C28*	<10.0	10.0	07/10/2024	ND	193	96.4	200	6.47	
EXT DRO >C28-C36	<10.0	10.0	07/10/2024	ND					
Surrogate: 1-Chlorooctane	101	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	107	% 49.1-14	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



		ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:	,	
Received:	07/09/2024		Sampling Date:	07/08/2024
Reported:	07/15/2024		Sampling Type:	Soil
Project Name:	PLU 20 DTD PAD A		Sampling Condition:	Cool & Intact
Project Number:	03C1558457		Sample Received By:	Alyssa Parras
Project Location:	XTO 32.20793,-103	.90713		

Sample ID: PH 08A 2' (H244066-17)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/10/2024	ND	1.97	98.3	2.00	3.42	
Toluene*	<0.050	0.050	07/10/2024	ND	1.96	97.9	2.00	4.12	
Ethylbenzene*	<0.050	0.050	07/10/2024	ND	2.05	102	2.00	5.12	
Total Xylenes*	<0.150	0.150	07/10/2024	ND	6.03	100	6.00	4.69	
Total BTEX	<0.300	0.300	07/10/2024	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	96.0	16.0	07/10/2024	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/10/2024	ND	197	98.4	200	7.11	
DRO >C10-C28*	<10.0	10.0	07/10/2024	ND	193	96.4	200	6.47	
EXT DRO >C28-C36	<10.0	10.0	07/10/2024	ND					
Surrogate: 1-Chlorooctane	102	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	105	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



		ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:	Y	
Received:	07/09/2024		Sampling Date:	07/08/2024
Reported:	07/15/2024		Sampling Type:	Soil
Project Name:	PLU 20 DTD PAD A		Sampling Condition:	Cool & Intact
Project Number:	03C1558457		Sample Received By:	Alyssa Parras
Project Location:	XTO 32.20793,-103	.90713		

Sample ID: PH 09 0.5' (H244066-18)

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	07/10/2024	ND	1.97	98.3	2.00	3.42	
Toluene*	<0.050	0.050	07/10/2024	ND	1.96	97.9	2.00	4.12	
Ethylbenzene*	<0.050	0.050	07/10/2024	ND	2.05	102	2.00	5.12	
Total Xylenes*	<0.150	0.150	07/10/2024	ND	6.03	100	6.00	4.69	
Total BTEX	<0.300	0.300	07/10/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 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	976	16.0	07/10/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/10/2024	ND	197	98.4	200	7.11	
DRO >C10-C28*	<10.0	10.0	07/10/2024	ND	193	96.4	200	6.47	
EXT DRO >C28-C36	<10.0	10.0	07/10/2024	ND					
Surrogate: 1-Chlorooctane	108	48.2-13	4						
Surrogate: 1-Chlorooctadecane	109	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



		ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:	Y	
Received:	07/09/2024		Sampling Date:	07/08/2024
Reported:	07/15/2024		Sampling Type:	Soil
Project Name:	PLU 20 DTD PAD A		Sampling Condition:	Cool & Intact
Project Number:	03C1558457		Sample Received By:	Alyssa Parras
Project Location:	XTO 32.20793,-103	.90713		

Sample ID: PH 09A 2' (H244066-19)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/10/2024	ND	1.97	98.3	2.00	3.42	
Toluene*	<0.050	0.050	07/10/2024	ND	1.96	97.9	2.00	4.12	
Ethylbenzene*	<0.050	0.050	07/10/2024	ND	2.05	102	2.00	5.12	
Total Xylenes*	<0.150	0.150	07/10/2024	ND	6.03	100	6.00	4.69	
Total BTEX	<0.300	0.300	07/10/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	07/10/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/10/2024	ND	197	98.4	200	7.11	
DRO >C10-C28*	<10.0	10.0	07/10/2024	ND	193	96.4	200	6.47	
EXT DRO >C28-C36	<10.0	10.0	07/10/2024	ND					
Surrogate: 1-Chlorooctane	112 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	113 9	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



		ENSOLUM BEN BELILL 3122 NATIONAL PARKS HW CARLSBAD NM, 88220 Fax To:	Y	
Received:	07/09/2024		Sampling Date:	07/08/2024
Reported:	07/15/2024		Sampling Type:	Soil
Project Name:	PLU 20 DTD PAD A		Sampling Condition:	Cool & Intact
Project Number:	03C1558457		Sample Received By:	Alyssa Parras
Project Location:	XTO 32.20793,-103	.90713		

Sample ID: PH 10 0.5' (H244066-20)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/10/2024	ND	1.97	98.3	2.00	3.42	
Toluene*	<0.050	0.050	07/10/2024	ND	1.96	97.9	2.00	4.12	
Ethylbenzene*	<0.050	0.050	07/10/2024	ND	2.05	102	2.00	5.12	
Total Xylenes*	<0.150	0.150	07/10/2024	ND	6.03	100	6.00	4.69	
Total BTEX	<0.300	0.300	07/10/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	106 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	768	16.0	07/10/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/10/2024	ND	197	98.4	200	7.11	
DRO >C10-C28*	<10.0	10.0	07/10/2024	ND	193	96.4	200	6.47	
EXT DRO >C28-C36	<10.0	10.0	07/10/2024	ND					
Surrogate: 1-Chlorooctane	107 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	109 9	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



		ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:	,	
Received:	07/09/2024		Sampling Date:	07/08/2024
Reported:	07/15/2024		Sampling Type:	Soil
Project Name:	PLU 20 DTD PAD A		Sampling Condition:	Cool & Intact
Project Number:	03C1558457		Sample Received By:	Alyssa Parras
Project Location:	XTO 32.20793,-103	.90713		

Sample ID: PH 10A 2' (H244066-21)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/10/2024	ND	1.97	98.3	2.00	3.42	
Toluene*	<0.050	0.050	07/10/2024	ND	1.96	97.9	2.00	4.12	
Ethylbenzene*	<0.050	0.050	07/10/2024	ND	2.05	102	2.00	5.12	
Total Xylenes*	<0.150	0.150	07/10/2024	ND	6.03	100	6.00	4.69	
Total BTEX	<0.300	0.300	07/10/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	560	16.0	07/10/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/10/2024	ND	197	98.4	200	7.11	
DRO >C10-C28*	<10.0	10.0	07/10/2024	ND	193	96.4	200	6.47	
EXT DRO >C28-C36	<10.0	10.0	07/10/2024	ND					
Surrogate: 1-Chlorooctane	89.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	93.0	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



		ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:	, ,	
Received:	07/09/2024		Sampling Date:	07/08/2024
Reported:	07/15/2024		Sampling Type:	Soil
Project Name:	PLU 20 DTD PAD A		Sampling Condition:	Cool & Intact
Project Number:	03C1558457		Sample Received By:	Alyssa Parras
Project Location:	XTO 32.20793,-103	.90713		

Sample ID: PH 11 0.5' (H244066-22)

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	07/10/2024	ND	1.97	98.3	2.00	10.7	QM-07
Toluene*	<0.050	0.050	07/10/2024	ND	1.99	99.3	2.00	14.1	QM-07
Ethylbenzene*	<0.050	0.050	07/10/2024	ND	2.04	102	2.00	17.6	QM-07
Total Xylenes*	<0.150	0.150	07/10/2024	ND	6.01	100	6.00	17.6	QM-07
Total BTEX	<0.300	0.300	07/10/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	07/10/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/10/2024	ND	197	98.4	200	7.11	
DRO >C10-C28*	<10.0	10.0	07/10/2024	ND	193	96.4	200	6.47	
EXT DRO >C28-C36	<10.0	10.0	07/10/2024	ND					
Surrogate: 1-Chlorooctane	97.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	103	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



		ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:	Y	
Received:	07/09/2024		Sampling Date:	07/08/2024
Reported:	07/15/2024		Sampling Type:	Soil
Project Name:	PLU 20 DTD PAD A		Sampling Condition:	Cool & Intact
Project Number:	03C1558457		Sample Received By:	Alyssa Parras
Project Location:	XTO 32.20793,-103	.90713		

Sample ID: PH 11A 2' (H244066-23)

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	07/10/2024	ND	1.97	98.3	2.00	10.7	
Toluene*	<0.050	0.050	07/10/2024	ND	1.99	99.3	2.00	14.1	
Ethylbenzene*	<0.050	0.050	07/10/2024	ND	2.04	102	2.00	17.6	
Total Xylenes*	<0.150	0.150	07/10/2024	ND	6.01	100	6.00	17.6	
Total BTEX	<0.300	0.300	07/10/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 9	% 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	384	16.0	07/10/2024	ND	432	108	400	3.77	QR-03
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/10/2024	ND	197	98.4	200	7.11	
DRO >C10-C28*	<10.0	10.0	07/10/2024	ND	193	96.4	200	6.47	
EXT DRO >C28-C36	<10.0	10.0	07/10/2024	ND					
Surrogate: 1-Chlorooctane	100 \$	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	101 9	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



		ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:	Y	
Received:	07/09/2024		Sampling Date:	07/08/2024
Reported:	07/15/2024		Sampling Type:	Soil
Project Name:	PLU 20 DTD PAD A		Sampling Condition:	Cool & Intact
Project Number:	03C1558457		Sample Received By:	Alyssa Parras
Project Location:	XTO 32.20793,-103	.90713		

Sample ID: PH 12 0.5' (H244066-24)

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	07/10/2024	ND	1.97	98.3	2.00	10.7	
Toluene*	<0.050	0.050	07/10/2024	ND	1.99	99.3	2.00	14.1	
Ethylbenzene*	<0.050	0.050	07/10/2024	ND	2.04	102	2.00	17.6	
Total Xylenes*	<0.150	0.150	07/10/2024	ND	6.01	100	6.00	17.6	
Total BTEX	<0.300	0.300	07/10/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 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	07/10/2024	ND	432	108	400	3.77	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/10/2024	ND	197	98.4	200	7.11	
DRO >C10-C28*	<10.0	10.0	07/10/2024	ND	193	96.4	200	6.47	
EXT DRO >C28-C36	<10.0	10.0	07/10/2024	ND					
Surrogate: 1-Chlorooctane	110 9	48.2-13	4						
Surrogate: 1-Chlorooctadecane	113 9	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



		ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:	Y	
Received:	07/09/2024		Sampling Date:	07/08/2024
Reported:	07/15/2024		Sampling Type:	Soil
Project Name:	PLU 20 DTD PAD A		Sampling Condition:	Cool & Intact
Project Number:	03C1558457		Sample Received By:	Alyssa Parras
Project Location:	XTO 32.20793,-103	.90713		

Sample ID: PH 12A 2' (H244066-25)

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	07/10/2024	ND	1.97	98.3	2.00	10.7	
Toluene*	<0.050	0.050	07/10/2024	ND	1.99	99.3	2.00	14.1	
Ethylbenzene*	<0.050	0.050	07/10/2024	ND	2.04	102	2.00	17.6	
Total Xylenes*	<0.150	0.150	07/10/2024	ND	6.01	100	6.00	17.6	
Total BTEX	<0.300	0.300	07/10/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 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	336	16.0	07/10/2024	ND	432	108	400	3.77	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/10/2024	ND	197	98.4	200	7.11	
DRO >C10-C28*	<10.0	10.0	07/10/2024	ND	193	96.4	200	6.47	
EXT DRO >C28-C36	<10.0	10.0	07/10/2024	ND					
Surrogate: 1-Chlorooctane	107 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	114 9	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



Notes and Definitions

QR-04	The RPD for the BS/BSD was outside of historical limits.
QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
BS-3	Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories Marland Hobbs NM 88240

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

	(575) 393-2326	(575) 393-2326 FAX (575) 393-2476	476			
Company Name: Ensolum, LLC	Ensolum, LLC			BILL TO		ANALYSIS REQUEST
Project Manager:	Ren Relil			P.O. #:		
Address: 3122 No.	honal	parks Hwy		Company: XTO		
city: Car Ishad	ad 1	State:N M	Zip: 88220	Attn: Amy Rud	5	
0 (Fax #:		Address: 3 loy EG	-Green st	
Project #: 03 (-122842 ·	Project Owner:	" XTO	city: Carlsbac		
Project Name:	20 20 UTI) Pad A		State: NM Zip: 88220	5220	
Project Location:	32,2679	5,-103,90713	13	Phone #:		
Sampler Name:	()may H	amdy		Fax #:		
FOR LAB USE ONLY			MATRIX	PRESERV. SAM	SAMPLING	
Lab I.D.	Sample I.D.	Depth (feet)	AB OR (C)OMP. NTAINERS UNDWATER TEWATER	DGE ER : /BASE: COOL ER ;	TFX DH hloride	
Hattole	1040	3	# C GR WA SO OIL		TIME TIME	
24	SHOLA	2	<	1	10:45 1 1 10	
w	OH OZ	5.0	V	7	11:00 444	
4	DHoz A	2	V	5	Moy V V	
5	PH03	0,5	×	2	10100	
20	DITOS H	2		< -	1200 2 2 2	
x	DHALA	22	<<	5	12:04 4 4 4	
9	bitou R	2	<	0	12:18 4 4 4	
10	04050	0.5			12:35 1	
PLEASE NOTE: Liability and/Dam analyses. All claims including thos service. In no event shall Cardinal	Damages. Cardinal's liability and a those for negligence and any offi- dinal be liable for incidential or cor-	and client's exclusive remedy for other cause whatsoever shall be consequental damages, includin	PLEASE NOTE: Lability and/Damages. Cardinal's lability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amo analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Caldmail within 30 di service. In no event shall Cardmail be liable for incidential or consequential damages, including without limitation, business interruptions, loss of use, or loss of profils incur-	II be limited to the amo y Cardinal within 30 da or loss of profits incurs	unt paid by the client for the ys after completion of the applicable of by client, its subaidaries,	
Relinquished By	By:	Date:	Received By:	an name and the second and the second	Verbal Result:	Add'I Phone #: de Email address:
6	mas	Time: 1351	none	0		Solumicom, tmorrissey Oersolumicom
Kelinquisned by.		Time:	income by		Cost Center: 22556 9/001	
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	rcle One) 3us - Other:	Corrected Imp. CC		ę	E .	Bacteria (only) Sample Condition Cool Infact Observed Temp. °C
Sampier - OFS - 6	ous - oulet.	Corrected temp.	I NO I NO	No UA	Correction Factor 850-140	No No Corrected Temp. °C

Company Name: Ensolum, LLC	nsolum, LLC		BILL TO		ANALYSIS REQUEST
Project Manager: Aimee Cole of	Ben Belill	P.O.	0. #:		
Address: 3122 National Parks Hwy		Co	Company: XIC		
City: Carlsbad	State: NM	Zip: 88220 Att	Attn: Any Ruth		
Phone #: (720) 384-7365	Fax #:	Ad	Address: 3104 EC	Greenst	
Project #: 03 C 1558457	Project Owner:	XTO	Carlsbad		
Project Name: PLU26 DT	i) pad A		NIN	220	
Project Location: 32, 2079	5-103.9071	Pho			
Sampler Name: OWOV	Handy	Fax	Fax #:		
FOR LAB USE ONLY		MATRIX	PRESERV. SAMI	SAMPLING	
Lab I.D. Sample I.D.	Depth (feet)	(G)RAB OR (C)OM # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER :		BTEX TPH Chloride	
11 PHOSA	2	2	N 2/8/24	ANN OHIZI	
13 0H06 A	2013	<	50	13:00 2 2 20	
+ to + 10 +1	5'0	<	5	13:26 / 1 /	
15 pHot H	2	~	2	13:30 1 1	
14 PHORA	2	< <	< <	12:57 12:51	
60 HC 81	50	V	V	14:10 1 1 1	
20 10 40	2002	4	4	14:15 4 4 4	
LEASE NOTE: Labsky and Damages. Cardina's labsity and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the unalgees. All cliams including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after conclusion of the applicable.	and client's exclusive remedy for an other cause whatsoever shall be o	redy for any claim arising whether based in contract or tort, shall be limited to the an shall be deemed walved unless made in writing and received by Cardinal within 30	shall be limited to the amount pak ved by Cardinal within 30 days after	paid by the client for the after completion of the applicable	
envice. In no event shall Cardinal be liable for incidential or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries initiates 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.	consequental damages, including mance of services hereunder by Ca	without limitation, business interruptions, loss of a ardinal, regardless of whether such claim is base	use, or loss of profits incurred by a ed upon any of the above stated rea	lient, its subsidiaries, asons or ofherwise.	
Relinquished By:	Date: 9-24	Received By:		Verbal Result: Ves No Add'l Phone #: All Results are emailed. Please provide Email address:	Add'I Phone #: vide Email address:
CM 9	Time: 1357 Date:	Received By:		REMARKS:	Crisolum, com 1 Emory 55 eg Densilum. com
	Time:			Cost Center: 22 5569/601	9/601
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Observed Tamp. "C	Sample Condition Cool Intact Yes Yes	CHECKED BY: (Initials)	Turnaround Time: Standard IVD - G - 24 Rush Themometer D - 4 Rush Contraction Force - 4 10	Bacteria (only) Sample Condition Cool Intact Observed Temp. °C

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

-	01 East Marland	101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476	40 76				
Company Name: Ensolum, LLC	Ensolum, LLC			BILL TO	10	ANALYSIS REC	REQUEST
Project Manager:	Ren Belil			P.O. #:			
Address: 3 7	Y I	Darks Huy	C Y	Company:	0		
11	bad	State: NVH	State: NVH ZIP: 88720	Attn: FMy	Ruth		
8#:		Fax #:		Address: 3104	EGIENT		
Project #: 03C	LSV&ASI	Project Owner:	XTO	city: Corls	post .		
Project Name:	1026 M	D pad A	-	State: NM Zip	NM ZID: 55220		
Project Location:	32,20793	1-103,907	3	Phone #:			
Sampler Name:	3	Handy		Fax #:			
FOR LAB USE ONLY			MA	MATRIX PRESERV.	SAMPLING	~	
Lab I.D.	Sample I.D.	Depth (feet)	RAB OR (C)OMP. CONTAINERS ROUNDWATER ASTEWATER DIL	L UDGE ITHER : CID/BASE: E / COOL THER :	RTEX	TPH Chlovides	
10 21	DH 10A	2		5	18124 14:35 V	VV	
ee	PHIN	5.0	5	27	14:40 V	77	
14 CV	LUT HO	20	-	7	15:30	1	
25	DIA12A	2	6		A 15:35 ~	7	
					A		
PLEASE NOTE: Liability an analyses. All claims includin service. In no event shall Ca	d Darnages. Cardinal's liability a g those for negligence and any rdinal be liable for incidental or	and client's exclusive remedy for a rother cause whatsoever shall be r consequental damages, includin	ny claim arising whether basi deemed waived unless made g without limitation, business i	PLEASE NOTE: Labelity and Damages. Cardinal's labBity and client's exclusive remedy for any claim analoges. All claims including those for negligence and any offer cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, 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,	r amount paid by the cliant for the 30 days after completion of the applic incurred by client, its subsidiaries,	able	
Relinquished By:	g out of or related to the perior	Time:		Received By:	Verbal Resu All Results a	It: Dyes ZNO Add'I Phone #: re emailed. Please provide Email address: RD: Colum, Conn., Concom SUCH DONSOLUM. Com	ser Persolum. En
Relinquished By:	Contra	1357 Date:	Received By:	CON	REMARKS:		
		Time:			Cost Center:	1:225569100	
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	ircle One) Bus - Other:	Observed Temp. "C		Sample Condition CHECKED BY: Cool Intact (Initials)	s) Turnaround Time: s) Thermometer 107-4173-41 Correction Factor - 95-5-	Rush II (Bacteria (only) Sample Condition Cool Infact Observed Temp. °C Yes Yes No No Corrected Temp. °C
			-		l		

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



July 12, 2024

BEN BELILL ENSOLUM 3122 NATIONAL PARKS HWY CARLSBAD, NM 88220

RE: PLU 20 DTD PAD A

Enclosed are the results of analyses for samples received by the laboratory on 07/11/24 14:40.

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/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Whe Singh

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



XTO 32.20793-103.90713

Analytical Results For:

		ENSOLUM BEN BELILL 3122 NATIONAL PARKS HW CARLSBAD NM, 88220 Fax To:	Y	
Received:	07/11/2024		Sampling Date:	07/09/2024
Reported:	07/12/2024		Sampling Type:	Soil
Project Name:	PLU 20 DTD PAD A		Sampling Condition:	Cool & Intact
Project Number:	03C1558457		Sample Received By:	Tamara Oldaker

Sample ID: FS 01 2 (H244141-01)

Project Location:

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Benzene*	<0.050	0.050	07/11/2024	ND	1.97	98.6	2.00	7.68	
Toluene*	<0.050	0.050	07/11/2024	ND	1.98	99.0	2.00	7.91	
Ethylbenzene*	<0.050	0.050	07/11/2024	ND	2.03	101	2.00	7.94	
Total Xylenes*	<0.150	0.150	07/11/2024	ND	5.98	99.7	6.00	7.91	
Total BTEX	<0.300	0.300	07/11/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	07/12/2024	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	07/11/2024	ND	195	97.6	200	2.81	
DRO >C10-C28*	<10.0	10.0	07/11/2024	ND	188	94.1	200	4.70	
EXT DRO >C28-C36	<10.0	10.0	07/11/2024	ND					
Surrogate: 1-Chlorooctane	90.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	85.0	% 49.1-14	0						

Cardinal Laboratories

*=Accredited Analyte

Mite Sugar

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



		ENSOLUM BEN BELILL 3122 NATIONAL PARKS HW CARLSBAD NM, 88220 Fax To:	Y	
Received:	07/11/2024		Sampling Date:	07/09/2024
Reported:	07/12/2024		Sampling Type:	Soil
Project Name:	PLU 20 DTD PAD A		Sampling Condition:	Cool & Intact
Project Number:	03C1558457		Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.20793-103.90	0713		

Sample ID: FS 02 2 (H244141-02)

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	07/11/2024	ND	1.97	98.6	2.00	7.68	
Toluene*	<0.050	0.050	07/11/2024	ND	1.98	99.0	2.00	7.91	
Ethylbenzene*	<0.050	0.050	07/11/2024	ND	2.03	101	2.00	7.94	
Total Xylenes*	<0.150	0.150	07/11/2024	ND	5.98	99.7	6.00	7.91	
Total BTEX	<0.300	0.300	07/11/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	07/12/2024	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	07/11/2024	ND	195	97.6	200	2.81	
DRO >C10-C28*	<10.0	10.0	07/11/2024	ND	188	94.1	200	4.70	
EXT DRO >C28-C36	<10.0	10.0	07/11/2024	ND					
Surrogate: 1-Chlorooctane	88.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	80.6	% 49.1-14	8						

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*=Accredited Analyte

Mite Sugar

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



		ENSOLUM BEN BELILL 3122 NATIONAL PARKS HW CARLSBAD NM, 88220 Fax To:	Y	
Received:	07/11/2024		Sampling Date:	07/09/2024
Reported:	07/12/2024		Sampling Type:	Soil
Project Name:	PLU 20 DTD PAD A		Sampling Condition:	Cool & Intact
Project Number:	03C1558457		Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.20793-103.9	90713		

Sample ID: FS 03 2 (H244141-03)

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	07/11/2024	ND	1.97	98.6	2.00	7.68	
Toluene*	<0.050	0.050	07/11/2024	ND	1.98	99.0	2.00	7.91	
Ethylbenzene*	<0.050	0.050	07/11/2024	ND	2.03	101	2.00	7.94	
Total Xylenes*	<0.150	0.150	07/11/2024	ND	5.98	99.7	6.00	7.91	
Total BTEX	<0.300	0.300	07/11/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	07/12/2024	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	07/11/2024	ND	195	97.6	200	2.81	
DRO >C10-C28*	<10.0	10.0	07/11/2024	ND	188	94.1	200	4.70	
EXT DRO >C28-C36	<10.0	10.0	07/11/2024	ND					
Surrogate: 1-Chlorooctane	96.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	88.9	% 49.1-14	8						

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


		ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:	Y	
Received:	07/11/2024		Sampling Date:	07/09/2024
Reported:	07/12/2024		Sampling Type:	Soil
Project Name:	PLU 20 DTD PAD A		Sampling Condition:	Cool & Intact
Project Number:	03C1558457		Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.20793-103.9	90713		

Sample ID: FS 04 2 (H244141-04)

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	07/11/2024	ND	1.97	98.6	2.00	7.68	
Toluene*	<0.050	0.050	07/11/2024	ND	1.98	99.0	2.00	7.91	
Ethylbenzene*	<0.050	0.050	07/11/2024	ND	2.03	101	2.00	7.94	
Total Xylenes*	<0.150	0.150	07/11/2024	ND	5.98	99.7	6.00	7.91	
Total BTEX	<0.300	0.300	07/11/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	07/12/2024	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	07/11/2024	ND	195	97.6	200	2.81	
DRO >C10-C28*	<10.0	10.0	07/11/2024	ND	188	94.1	200	4.70	
EXT DRO >C28-C36	<10.0	10.0	07/11/2024	ND					
Surrogate: 1-Chlorooctane	98.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	89.9	% 49.1-14	8						

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



		ENSOLUM BEN BELILL 3122 NATIONAL PARKS HW CARLSBAD NM, 88220 Fax To:	Y	
Received:	07/11/2024		Sampling Date:	07/09/2024
Reported:	07/12/2024		Sampling Type:	Soil
Project Name:	PLU 20 DTD PAD A		Sampling Condition:	Cool & Intact
Project Number:	03C1558457		Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.20793-103.9	90713		

Sample ID: FS 05 2 (H244141-05)

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	07/11/2024	ND	1.97	98.6	2.00	7.68	
Toluene*	<0.050	0.050	07/11/2024	ND	1.98	99.0	2.00	7.91	
Ethylbenzene*	<0.050	0.050	07/11/2024	ND	2.03	101	2.00	7.94	
Total Xylenes*	<0.150	0.150	07/11/2024	ND	5.98	99.7	6.00	7.91	
Total BTEX	<0.300	0.300	07/11/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	07/12/2024	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	07/11/2024	ND	195	97.6	200	2.81	
DRO >C10-C28*	<10.0	10.0	07/11/2024	ND	188	94.1	200	4.70	
EXT DRO >C28-C36	<10.0	10.0	07/11/2024	ND					
Surrogate: 1-Chlorooctane	87.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	78. <i>3</i>	% 49.1-14	8						

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*=Accredited Analyte

Mite Sugar

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



		ENSOLUM BEN BELILL 3122 NATIONAL PARKS HW CARLSBAD NM, 88220 Fax To:	Y	
Received:	07/11/2024		Sampling Date:	07/09/2024
Reported:	07/12/2024		Sampling Type:	Soil
Project Name:	PLU 20 DTD PAD A		Sampling Condition:	Cool & Intact
Project Number:	03C1558457		Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.20793-103.	90713		

Sample ID: FS 06 2 (H244141-06)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/11/2024	ND	1.97	98.6	2.00	7.68	
Toluene*	<0.050	0.050	07/11/2024	ND	1.98	99.0	2.00	7.91	
Ethylbenzene*	<0.050	0.050	07/11/2024	ND	2.03	101	2.00	7.94	
Total Xylenes*	<0.150	0.150	07/11/2024	ND	5.98	99.7	6.00	7.91	
Total BTEX	<0.300	0.300	07/11/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 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	240	16.0	07/12/2024	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	07/11/2024	ND	195	97.6	200	2.81	
DRO >C10-C28*	<10.0	10.0	07/11/2024	ND	188	94.1	200	4.70	
EXT DRO >C28-C36	<10.0	10.0	07/11/2024	ND					
Surrogate: 1-Chlorooctane	97.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	88.2	% 49.1-14	8						

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*=Accredited Analyte

Mite Sugar

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



		ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:	Y	
Received:	07/11/2024		Sampling Date:	07/09/2024
Reported:	07/12/2024		Sampling Type:	Soil
Project Name:	PLU 20 DTD PAD A		Sampling Condition:	Cool & Intact
Project Number:	03C1558457		Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.20793-103.9	90713		

Sample ID: FS 07 2 (H244141-07)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/11/2024	ND	1.97	98.6	2.00	7.68	
Toluene*	<0.050	0.050	07/11/2024	ND	1.98	99.0	2.00	7.91	
Ethylbenzene*	<0.050	0.050	07/11/2024	ND	2.03	101	2.00	7.94	
Total Xylenes*	<0.150	0.150	07/11/2024	ND	5.98	99.7	6.00	7.91	
Total BTEX	<0.300	0.300	07/11/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	07/12/2024	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	07/11/2024	ND	195	97.6	200	2.81	
DRO >C10-C28*	<10.0	10.0	07/11/2024	ND	188	94.1	200	4.70	
EXT DRO >C28-C36	<10.0	10.0	07/11/2024	ND					
Surrogate: 1-Chlorooctane	97.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	88.5	% 49.1-14	8						

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Mite Sugar

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



		ENSOLUM BEN BELILL 3122 NATIONAL PARKS HW CARLSBAD NM, 88220 Fax To:	Y	
Received:	07/11/2024		Sampling Date:	07/09/2024
Reported:	07/12/2024		Sampling Type:	Soil
Project Name:	PLU 20 DTD PAD A		Sampling Condition:	Cool & Intact
Project Number:	03C1558457		Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.20793-103.	90713		

Sample ID: FS 08 2 (H244141-08)

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	07/11/2024	ND	1.97	98.6	2.00	7.68	
Toluene*	<0.050	0.050	07/11/2024	ND	1.98	99.0	2.00	7.91	
Ethylbenzene*	<0.050	0.050	07/11/2024	ND	2.03	101	2.00	7.94	
Total Xylenes*	<0.150	0.150	07/11/2024	ND	5.98	99.7	6.00	7.91	
Total BTEX	<0.300	0.300	07/11/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	′kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	07/12/2024	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	07/11/2024	ND	195	97.6	200	2.81	
DRO >C10-C28*	<10.0	10.0	07/11/2024	ND	188	94.1	200	4.70	
EXT DRO >C28-C36	<10.0	10.0	07/11/2024	ND					
Surrogate: 1-Chlorooctane	85.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	79.0	% 49.1-14	8						

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Mite Sugar

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



		ENSOLUM BEN BELILL 3122 NATIONAL PARKS HW CARLSBAD NM, 88220 Fax To:	Y	
Received:	07/11/2024		Sampling Date:	07/09/2024
Reported:	07/12/2024		Sampling Type:	Soil
Project Name:	PLU 20 DTD PAD A		Sampling Condition:	Cool & Intact
Project Number:	03C1558457		Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.20793-103.9	90713		

Sample ID: FS 10 2 (H244141-09)

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	07/11/2024	ND	1.97	98.6	2.00	7.68	
Toluene*	<0.050	0.050	07/11/2024	ND	1.98	99.0	2.00	7.91	
Ethylbenzene*	<0.050	0.050	07/11/2024	ND	2.03	101	2.00	7.94	
Total Xylenes*	<0.150	0.150	07/11/2024	ND	5.98	99.7	6.00	7.91	
Total BTEX	<0.300	0.300	07/11/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	100	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	07/12/2024	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	07/11/2024	ND	195	97.6	200	2.81	
DRO >C10-C28*	<10.0	10.0	07/11/2024	ND	188	94.1	200	4.70	
EXT DRO >C28-C36	<10.0	10.0	07/11/2024	ND					
Surrogate: 1-Chlorooctane	90.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	82.1	% 49.1-14	8						

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



		ENSOLUM BEN BELILL 3122 NATIONAL PARKS HW CARLSBAD NM, 88220 Fax To:	Y	
Received:	07/11/2024		Sampling Date:	07/09/2024
Reported:	07/12/2024		Sampling Type:	Soil
Project Name:	PLU 20 DTD PAD A		Sampling Condition:	Cool & Intact
Project Number:	03C1558457		Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.20793-103.9	90713		

Sample ID: FS 11 2 (H244141-10)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/11/2024	ND	1.97	98.6	2.00	7.68	
Toluene*	<0.050	0.050	07/11/2024	ND	1.98	99.0	2.00	7.91	
Ethylbenzene*	<0.050	0.050	07/11/2024	ND	2.03	101	2.00	7.94	
Total Xylenes*	<0.150	0.150	07/11/2024	ND	5.98	99.7	6.00	7.91	
Total BTEX	<0.300	0.300	07/11/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	07/12/2024	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	07/12/2024	ND	195	97.6	200	2.81	
DRO >C10-C28*	<10.0	10.0	07/12/2024	ND	188	94.1	200	4.70	
EXT DRO >C28-C36	<10.0	10.0	07/12/2024	ND					
Surrogate: 1-Chlorooctane	92.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	85.6	% 49.1-14	8						

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		ENSOLUM BEN BELILL 3122 NATIONAL PARKS HW CARLSBAD NM, 88220 Fax To:	Y	
Received:	07/11/2024		Sampling Date:	07/09/2024
Reported:	07/12/2024		Sampling Type:	Soil
Project Name:	PLU 20 DTD PAD A		Sampling Condition:	Cool & Intact
Project Number:	03C1558457		Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.20793-103.90	0713		

Sample ID: FS 13 2 (H244141-11)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/11/2024	ND	1.97	98.6	2.00	7.68	
Toluene*	<0.050	0.050	07/11/2024	ND	1.98	99.0	2.00	7.91	
Ethylbenzene*	<0.050	0.050	07/11/2024	ND	2.03	101	2.00	7.94	
Total Xylenes*	<0.150	0.150	07/11/2024	ND	5.98	99.7	6.00	7.91	
Total BTEX	<0.300	0.300	07/11/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	07/12/2024	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	07/12/2024	ND	195	97.6	200	2.81	
DRO >C10-C28*	<10.0	10.0	07/12/2024	ND	188	94.1	200	4.70	
EXT DRO >C28-C36	<10.0	10.0	07/12/2024	ND					
Surrogate: 1-Chlorooctane	96.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	90.4	% 49.1-14	8						

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



		ENSOLUM BEN BELILL 3122 NATIONAL PARKS HW CARLSBAD NM, 88220 Fax To:	Y	
Received:	07/11/2024		Sampling Date:	07/09/2024
Reported:	07/12/2024		Sampling Type:	Soil
Project Name:	PLU 20 DTD PAD A		Sampling Condition:	Cool & Intact
Project Number:	03C1558457		Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.20793-103.9	90713		

Sample ID: FS 14 2 (H244141-12)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/11/2024	ND	1.97	98.6	2.00	7.68	
Toluene*	<0.050	0.050	07/11/2024	ND	1.98	99.0	2.00	7.91	
Ethylbenzene*	<0.050	0.050	07/11/2024	ND	2.03	101	2.00	7.94	
Total Xylenes*	<0.150	0.150	07/11/2024	ND	5.98	99.7	6.00	7.91	
Total BTEX	<0.300	0.300	07/11/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 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	07/12/2024	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	07/12/2024	ND	195	97.6	200	2.81	
DRO >C10-C28*	<10.0	10.0	07/12/2024	ND	188	94.1	200	4.70	
EXT DRO >C28-C36	<10.0	10.0	07/12/2024	ND					
Surrogate: 1-Chlorooctane	95.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	89.0	% 49.1-14	8						

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		ENSOLUM BEN BELILL 3122 NATIONAL PARKS HW CARLSBAD NM, 88220 Fax To:	Y	
Received:	07/11/2024		Sampling Date:	07/09/2024
Reported:	07/12/2024		Sampling Type:	Soil
Project Name:	PLU 20 DTD PAD A		Sampling Condition:	Cool & Intact
Project Number:	03C1558457		Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.20793-103.9	90713		

Sample ID: FS 15 2 (H244141-13)

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	07/11/2024	ND	1.96	98.1	2.00	0.243	
Toluene*	<0.050	0.050	07/11/2024	ND	2.24	112	2.00	3.36	
Ethylbenzene*	<0.050	0.050	07/11/2024	ND	2.35	118	2.00	5.30	
Total Xylenes*	<0.150	0.150	07/11/2024	ND	7.23	120	6.00	4.39	
Total BTEX	<0.300	0.300	07/11/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	111 9	% 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	64.0	16.0	07/12/2024	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	07/11/2024	ND	195	97.7	200	2.95	
DRO >C10-C28*	<10.0	10.0	07/11/2024	ND	191	95.7	200	3.22	
EXT DRO >C28-C36	<10.0	10.0	07/11/2024	ND					
Surrogate: 1-Chlorooctane	107	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	120	% 49.1-14	8						

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



		ENSOLUM BEN BELILL 3122 NATIONAL PARKS HW CARLSBAD NM, 88220 Fax To:	Y	
Received:	07/11/2024		Sampling Date:	07/09/2024
Reported:	07/12/2024		Sampling Type:	Soil
Project Name:	PLU 20 DTD PAD A		Sampling Condition:	Cool & Intact
Project Number:	03C1558457		Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.20793-103.	90713		

Sample ID: FS 17 2 (H244141-14)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/11/2024	ND	1.96	98.1	2.00	0.243	
Toluene*	<0.050	0.050	07/11/2024	ND	2.24	112	2.00	3.36	
Ethylbenzene*	<0.050	0.050	07/11/2024	ND	2.35	118	2.00	5.30	
Total Xylenes*	<0.150	0.150	07/11/2024	ND	7.23	120	6.00	4.39	
Total BTEX	<0.300	0.300	07/11/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	112	% 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	288	16.0	07/12/2024	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	07/11/2024	ND	195	97.7	200	2.95	
DRO >C10-C28*	<10.0	10.0	07/11/2024	ND	191	95.7	200	3.22	
EXT DRO >C28-C36	<10.0	10.0	07/11/2024	ND					
Surrogate: 1-Chlorooctane	95.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	109	% 49.1-14	8						

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



		ENSOLUM BEN BELILL 3122 NATIONAL PARKS HW CARLSBAD NM, 88220 Fax To:	Y	
Received:	07/11/2024		Sampling Date:	07/09/2024
Reported:	07/12/2024		Sampling Type:	Soil
Project Name:	PLU 20 DTD PAD A		Sampling Condition:	Cool & Intact
Project Number:	03C1558457		Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.20793-103.9	90713		

Sample ID: FS 18 2 (H244141-15)

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	07/11/2024	ND	1.96	98.1	2.00	0.243	
Toluene*	<0.050	0.050	07/11/2024	ND	2.24	112	2.00	3.36	
Ethylbenzene*	<0.050	0.050	07/11/2024	ND	2.35	118	2.00	5.30	
Total Xylenes*	<0.150	0.150	07/11/2024	ND	7.23	120	6.00	4.39	
Total BTEX	<0.300	0.300	07/11/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	110 9	% 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	144	16.0	07/12/2024	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	07/11/2024	ND	195	97.7	200	2.95	
DRO >C10-C28*	<10.0	10.0	07/11/2024	ND	191	95.7	200	3.22	
EXT DRO >C28-C36	<10.0	10.0	07/11/2024	ND					
Surrogate: 1-Chlorooctane	113 9	48.2-13	4						
Surrogate: 1-Chlorooctadecane	129 9	% 49.1-14	8						

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



		ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:	Y	
Received:	07/11/2024		Sampling Date:	07/09/2024
Reported:	07/12/2024		Sampling Type:	Soil
Project Name:	PLU 20 DTD PAD A		Sampling Condition:	Cool & Intact
Project Number:	03C1558457		Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.20793-103.9	90713		

Sample ID: FS 19 2 (H244141-16)

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	07/11/2024	ND	1.96	98.1	2.00	0.243	
Toluene*	<0.050	0.050	07/11/2024	ND	2.24	112	2.00	3.36	
Ethylbenzene*	<0.050	0.050	07/11/2024	ND	2.35	118	2.00	5.30	
Total Xylenes*	<0.150	0.150	07/11/2024	ND	7.23	120	6.00	4.39	
Total BTEX	<0.300	0.300	07/11/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	113 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	80.0	16.0	07/12/2024	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	07/11/2024	ND	195	97.7	200	2.95	
DRO >C10-C28*	<10.0	10.0	07/11/2024	ND	191	95.7	200	3.22	
EXT DRO >C28-C36	<10.0	10.0	07/11/2024	ND					
Surrogate: 1-Chlorooctane	108	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	122	% 49.1-14	8						

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Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500CI-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

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Mite Sugar

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

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

Bitt TO PILL TO ar: Browner, LLC P.O. #: 2: Viewarual Ru/Ks, Huwy Can/Mawad State: Tex/M Zip: (5120) Atte: Anw, Buyh 11 25 1 8 701 Fax #: Address: SIH E Surka SH 9:32 2.00 TQ 5 -16 3, 90 T(5) Phone #: 0:000 #: Phone #: Phone #:	8	REMARKS: Julid	2	Received By:	Date: Time:		
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age: Few Selill P.O. #: I.Z. Nowtowal Rayks Huny dr Canlibard Rayk Huny dr Canlibard Rayks Hu		6401 mal	1 2		_	F502	Ч
age: Few Kelill P.C. BILL TO age: Few Kelill P.C. BILL TO age: Few Kelill P.C. BILL TO age: Few Kelill Right River The Conduct Right River Sample I.D. Depth (G) ADD PTD Right River (G) RAB OR (C) OMP. # CONTAINERS GROUNDWATER Soil Dil SLUDGE DTHER : Soil River Company: VTO Every Vic Every Vic Address: Stort Every Vic Every Vic State: NM Zip: GRI20 State: NM Zip: GRI20 Fax #: Address: Stort E bank St State: NM Zip: GRI20 Fax #: Address: Stort E bank St State: NM Zip: GRI20 Fax #: Address: Stort E bank St Fax #: Address: Tort E bank St Fax #: Addre		int'd		X	2	FSOT	-
BILL TO ANALYSIS Krs Hwy P.O. #: State: TXF/M Zip: §61.20 Attn: Amy Rugh Fax #: Address: 3jott E Grein St Project Owner: XTO City: Carlsbard State: N/M Zip: GR 210 16.3. 90 71.5 Phone #: Preserv Sampling Matrix Preserv	TPH BTEX	TIME	SLUDGE DTHER : ACID/BASE: CE / COOL DTHER :	# CONTAINER GROUNDWAT WASTEWATEI SOIL	Depth (feet)	Sample I.D.	Lab I.D.
BILL TO ANALYSIS Ks Huny P.O. #: State: FXM/M Zip: 86120 Company: VTO Fax #: Attn: Any Rufn Fax #: Address: 3joH E binds St Project Owner: XTO City: Carls land State: N/M Zip: 48220 10 3. 90 71/3 Phone #: Fax #: Fax #:				ER R			
BILL TO ANALYSIS KS Huvy P.O. #: State: TXMM Zip: 86120 Company: VTO Everay Full. Fax #: Attn: Awy Rugh Project Owner: XTO Address: 3jot E Gratin St PTD Paul A State: N/M Zip: GR 210 -163_90715 Phone #:			Fax		40	UMUGU	FOR LAB USE ONLY
BILL TO ANALYSIS Ks Huny P.O. #: State: TXM/M Zip: 86120 Company: VTO Ewergy Two. Fax #: Attn: Anny Runh Fax #: Address: 3jot E banks St Project Owner: XTO City: Carls band State: N/M Zip: 46220			Phone #:	5110	110	0	Sampler Locatio
BILL TO ANALYSIS av/ks Hwy P.O. #: P.O. #: State: TXM/M Zip: 86120 Attn: Awy Rugh Fax #: Address: 3104 E Garda St Project Owner: XTO City: Carls band		ip: 48220	State: N/M Z	A	AID	OL NTA PCA	Project Name:
BILL TO ANALYSIS III P.O. #: P.O. #: III III P.O. #: III Company: VIO Ewergy Two: ANALYSIS State: TXAIN Zip: 88120 Attn: Awy Ruyh To Fax #: Address: Sion E. Gonton St			City: Lar / 5 har		Project Own	1558457	Project #: 03
ANALYSIS ANALYSIS State: TXAM Zip: 862.20 Attn: And Ruh		E Gordina SA	Address: 3104		Fax #:	1 257 8307	Phone #: 3
and farks Hwy company: VTo Entrav for		why the and	Attn: Any R	Mzip: 88120	State: TX/		City: Midland
BILL TO ANALYSIS P.O. #			Company: VTe		iks Hung	Java (Address: 317
Ensolum, LLC BILL TO						1.0	Project Manag
		1 10	BIL			e. Elisolum, LLC	Company rai

Received by OCD: 9/26/2024 11:09:04 AM

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

> Observed Temp, "C Time:

S U

CHECKED BY: (Initials)

Turnaround Time:

last Center: 2255 691001

ter ID

Ť

#140 Standard

KD

Bacteria (only) Sample Condition Cool Intact Observed Temp. °C || Yeet || Yes || Nc || No Corrected Temp. °C

Corrected Temp. °C

cted Temp. "C

Cool Intact Sample Condition

No

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

Page 19 of 20

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

aplan 2 2



Received by OCD: 9/26/2024 11:09:04 AM

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ADD

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July 12, 2024

BEN BELILL ENSOLUM 3122 NATIONAL PARKS HWY CARLSBAD, NM 88220

RE: PLU 20 DTD PAD A

Enclosed are the results of analyses for samples received by the laboratory on 07/11/24 14:40.

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/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Whe Singh

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



XTO 32.20793-103.90713

Analytical Results For:

		ENSOLUM BEN BELILL 3122 NATIONAL PARKS HW CARLSBAD NM, 88220 Fax To:	Y	
Received:	07/11/2024		Sampling Date:	07/10/2024
Reported:	07/12/2024		Sampling Type:	Soil
Project Name:	PLU 20 DTD PAD A		Sampling Condition:	Cool & Intact
Project Number:	03C1558457		Sample Received By:	Tamara Oldaker

Sample ID: FS 09 3' (H244142-01)

Project Location:

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	07/11/2024	ND	1.96	98.1	2.00	0.243	
Toluene*	<0.050	0.050	07/11/2024	ND	2.24	112	2.00	3.36	
Ethylbenzene*	<0.050	0.050	07/11/2024	ND	2.35	118	2.00	5.30	
Total Xylenes*	<0.150	0.150	07/11/2024	ND	7.23	120	6.00	4.39	
Total BTEX	<0.300	0.300	07/11/2024	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	144	16.0	07/12/2024	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	07/11/2024	ND	195	97.7	200	2.95	
DRO >C10-C28*	<10.0	10.0	07/11/2024	ND	191	95.7	200	3.22	
EXT DRO >C28-C36	<10.0	10.0	07/11/2024	ND					
Surrogate: 1-Chlorooctane	106 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	121 9	% 49.1-14	0						

Cardinal Laboratories

*=Accredited Analyte

Mite Sugar

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



		ENSOLUM BEN BELILL 3122 NATIONAL PARKS HW CARLSBAD NM, 88220 Fax To:	Y	
Received:	07/11/2024		Sampling Date:	07/10/2024
Reported:	07/12/2024		Sampling Type:	Soil
Project Name:	PLU 20 DTD PAD A		Sampling Condition:	Cool & Intact
Project Number:	03C1558457		Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.20793-103.9	0713		

Sample ID: FS 12 3' (H244142-02)

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	07/11/2024	ND	1.96	98.1	2.00	0.243	
Toluene*	<0.050	0.050	07/11/2024	ND	2.24	112	2.00	3.36	
Ethylbenzene*	<0.050	0.050	07/11/2024	ND	2.35	118	2.00	5.30	
Total Xylenes*	<0.150	0.150	07/11/2024	ND	7.23	120	6.00	4.39	
Total BTEX	<0.300	0.300	07/11/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	111 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	′kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	07/12/2024	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	07/11/2024	ND	195	97.7	200	2.95	
DRO >C10-C28*	<10.0	10.0	07/11/2024	ND	191	95.7	200	3.22	
EXT DRO >C28-C36	<10.0	10.0	07/11/2024	ND					
Surrogate: 1-Chlorooctane	89.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	102	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Mite Sugar

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



		ENSOLUM BEN BELILL 3122 NATIONAL PARKS HW CARLSBAD NM, 88220 Fax To:	Y	
Received:	07/11/2024		Sampling Date:	07/10/2024
Reported:	07/12/2024		Sampling Type:	Soil
Project Name:	PLU 20 DTD PAD A		Sampling Condition:	Cool & Intact
Project Number:	03C1558457		Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.20793-103.	.90713		

Sample ID: FS 16 3' (H244142-03)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/11/2024	ND	1.96	98.1	2.00	0.243	
Toluene*	<0.050	0.050	07/11/2024	ND	2.24	112	2.00	3.36	
Ethylbenzene*	<0.050	0.050	07/11/2024	ND	2.35	118	2.00	5.30	
Total Xylenes*	<0.150	0.150	07/11/2024	ND	7.23	120	6.00	4.39	
Total BTEX	<0.300	0.300	07/11/2024	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	64.0	16.0	07/12/2024	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	07/11/2024	ND	195	97.7	200	2.95	
DRO >C10-C28*	<10.0	10.0	07/11/2024	ND	191	95.7	200	3.22	
EXT DRO >C28-C36	<10.0	10.0	07/11/2024	ND					
Surrogate: 1-Chlorooctane	97.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	109	% 49.1-14	8						

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Mite Sugar

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



		ENSOLUM BEN BELILL 3122 NATIONAL PARKS HW CARLSBAD NM, 88220 Fax To:	Y	
Received:	07/11/2024		Sampling Date:	07/10/2024
Reported:	07/12/2024		Sampling Type:	Soil
Project Name:	PLU 20 DTD PAD A		Sampling Condition:	Cool & Intact
Project Number:	03C1558457		Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.20793-103.	90713		

Sample ID: SW 01 0-2' (H244142-04)

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	07/11/2024	ND	1.96	98.1	2.00	0.243	
Toluene*	<0.050	0.050	07/11/2024	ND	2.24	112	2.00	3.36	
Ethylbenzene*	<0.050	0.050	07/11/2024	ND	2.35	118	2.00	5.30	
Total Xylenes*	<0.150	0.150	07/11/2024	ND	7.23	120	6.00	4.39	
Total BTEX	<0.300	0.300	07/11/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	111 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	176	16.0	07/12/2024	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	07/11/2024	ND	195	97.7	200	2.95	
DRO >C10-C28*	<10.0	10.0	07/11/2024	ND	191	95.7	200	3.22	
EXT DRO >C28-C36	<10.0	10.0	07/11/2024	ND					
Surrogate: 1-Chlorooctane	103	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	114 9	% 49.1-14	8						

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Mite Sugar

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



		ENSOLUM BEN BELILL 3122 NATIONAL PARKS HW CARLSBAD NM, 88220 Fax To:	Y	
Received:	07/11/2024		Sampling Date:	07/10/2024
Reported:	07/12/2024		Sampling Type:	Soil
Project Name:	PLU 20 DTD PAD A		Sampling Condition:	Cool & Intact
Project Number:	03C1558457		Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.20793-103.	90713		

Sample ID: SW 02 0-2' (H244142-05)

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	07/11/2024	ND	1.96	98.1	2.00	0.243	
Toluene*	<0.050	0.050	07/11/2024	ND	2.24	112	2.00	3.36	
Ethylbenzene*	<0.050	0.050	07/11/2024	ND	2.35	118	2.00	5.30	
Total Xylenes*	<0.150	0.150	07/11/2024	ND	7.23	120	6.00	4.39	
Total BTEX	<0.300	0.300	07/11/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	113 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	144	16.0	07/12/2024	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	07/11/2024	ND	195	97.7	200	2.95	
DRO >C10-C28*	<10.0	10.0	07/11/2024	ND	191	95.7	200	3.22	
EXT DRO >C28-C36	<10.0	10.0	07/11/2024	ND					
Surrogate: 1-Chlorooctane	101 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	113 9	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Mite Sugar

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



		ENSOLUM BEN BELILL 3122 NATIONAL PARKS HW ¹ CARLSBAD NM, 88220 Fax To:	Y	
Received:	07/11/2024		Sampling Date:	07/10/2024
Reported:	07/12/2024		Sampling Type:	Soil
Project Name:	PLU 20 DTD PAD A		Sampling Condition:	Cool & Intact
Project Number:	03C1558457		Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.20793-103.	90713		

Sample ID: SW 03 0-3' (H244142-06)

BTEX 8021B	mg/	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/11/2024	ND	1.96	98.1	2.00	0.243	
Toluene*	<0.050	0.050	07/11/2024	ND	2.24	112	2.00	3.36	
Ethylbenzene*	<0.050	0.050	07/11/2024	ND	2.35	118	2.00	5.30	
Total Xylenes*	<0.150	0.150	07/11/2024	ND	7.23	120	6.00	4.39	
Total BTEX	<0.300	0.300	07/11/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	110 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	mg/kg Analyzed By: CT		d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	07/12/2024	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	07/11/2024	ND	195	97.7	200	2.95	
DRO >C10-C28*	<10.0	10.0	07/11/2024	ND	191	95.7	200	3.22	
EXT DRO >C28-C36	<10.0	10.0	07/11/2024	ND					
Surrogate: 1-Chlorooctane	102 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	114 9	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

mite Sugar

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



		ENSOLUM BEN BELILL 3122 NATIONAL PARKS HW CARLSBAD NM, 88220 Fax To:	Y	
Received:	07/11/2024		Sampling Date:	07/10/2024
Reported:	07/12/2024		Sampling Type:	Soil
Project Name:	PLU 20 DTD PAD A		Sampling Condition:	Cool & Intact
Project Number:	03C1558457		Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.20793-103.	90713		

Sample ID: SW 04 0-2' (H244142-07)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/11/2024	ND	1.96	98.1	2.00	0.243	
Toluene*	<0.050	0.050	07/11/2024	ND	2.24	112	2.00	3.36	
Ethylbenzene*	<0.050	0.050	07/11/2024	ND	2.35	118	2.00	5.30	
Total Xylenes*	<0.150	0.150	07/11/2024	ND	7.23	120	6.00	4.39	
Total BTEX	<0.300	0.300	07/11/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	112 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	176	16.0	07/12/2024	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	07/11/2024	ND	195	97.7	200	2.95	
DRO >C10-C28*	<10.0	10.0	07/11/2024	ND	191	95.7	200	3.22	
EXT DRO >C28-C36	<10.0	10.0	07/11/2024	ND					
Surrogate: 1-Chlorooctane	108	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	122	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Mite Sugar

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



		ENSOLUM BEN BELILL 3122 NATIONAL PARKS HW CARLSBAD NM, 88220 Fax To:	Y	
Received:	07/11/2024		Sampling Date:	07/10/2024
Reported:	07/12/2024		Sampling Type:	Soil
Project Name:	PLU 20 DTD PAD A		Sampling Condition:	Cool & Intact
Project Number:	03C1558457		Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.20793-103.9	90713		

Sample ID: SW 05 0-2' (H244142-08)

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	07/11/2024	ND	1.96	98.1	2.00	0.243	
Toluene*	<0.050	0.050	07/11/2024	ND	2.24	112	2.00	3.36	
Ethylbenzene*	<0.050	0.050	07/11/2024	ND	2.35	118	2.00	5.30	
Total Xylenes*	<0.150	0.150	07/11/2024	ND	7.23	120	6.00	4.39	
Total BTEX	<0.300	0.300	07/11/2024	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	144	16.0	07/12/2024	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	07/11/2024	ND	195	97.7	200	2.95	
DRO >C10-C28*	<10.0	10.0	07/11/2024	ND	191	95.7	200	3.22	
EXT DRO >C28-C36	<10.0	10.0	07/11/2024	ND					
Surrogate: 1-Chlorooctane	107	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	119 9	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Mite Sugar

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



XTO 32.20793-103.90713

Analytical Results For:

		ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:	Y	
Received:	07/11/2024		Sampling Date:	07/10/2024
Reported:	07/12/2024		Sampling Type:	Soil
Project Name:	PLU 20 DTD PAD A		Sampling Condition:	Cool & Intact
Project Number:	03C1558457		Sample Received By:	Tamara Oldaker

Sample ID: SW 06 0-2' (H244142-09)

Project Location:

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	07/11/2024	ND	1.96	98.1	2.00	0.243	
Toluene*	<0.050	0.050	07/11/2024	ND	2.24	112	2.00	3.36	
Ethylbenzene*	<0.050	0.050	07/11/2024	ND	2.35	118	2.00	5.30	
Total Xylenes*	<0.150	0.150	07/11/2024	ND	7.23	120	6.00	4.39	
Total BTEX	<0.300	0.300	07/11/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	111 9	% 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	128	16.0	07/12/2024	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	07/11/2024	ND	195	97.7	200	2.95	
DRO >C10-C28*	<10.0	10.0	07/11/2024	ND	191	95.7	200	3.22	
EXT DRO >C28-C36	<10.0	10.0	07/11/2024	ND					
Surrogate: 1-Chlorooctane	109 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	122 9	% 49.1-14	8						

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



		ENSOLUM BEN BELILL 3122 NATIONAL PARKS HW CARLSBAD NM, 88220 Fax To:	Y	
Received:	07/11/2024		Sampling Date:	07/10/2024
Reported:	07/12/2024		Sampling Type:	Soil
Project Name:	PLU 20 DTD PAD A		Sampling Condition:	Cool & Intact
Project Number:	03C1558457		Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.20793-103.	90713		

Sample ID: SW 07 0-2' (H244142-10)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/11/2024	ND	1.96	98.1	2.00	0.243	
Toluene*	<0.050	0.050	07/11/2024	ND	2.24	112	2.00	3.36	
Ethylbenzene*	<0.050	0.050	07/11/2024	ND	2.35	118	2.00	5.30	
Total Xylenes*	<0.150	0.150	07/11/2024	ND	7.23	120	6.00	4.39	
Total BTEX	<0.300	0.300	07/11/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	112 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	208	16.0	07/12/2024	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	07/11/2024	ND	195	97.7	200	2.95	
DRO >C10-C28*	<10.0	10.0	07/11/2024	ND	191	95.7	200	3.22	
EXT DRO >C28-C36	<10.0	10.0	07/11/2024	ND					
Surrogate: 1-Chlorooctane	110 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	124 9	% 49.1-14	8						

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



		ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:	Y	
Received:	07/11/2024		Sampling Date:	07/10/2024
Reported:	07/12/2024		Sampling Type:	Soil
Project Name:	PLU 20 DTD PAD A		Sampling Condition:	Cool & Intact
Project Number:	03C1558457		Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.20793-103.9	90713		

Sample ID: FS 20 2' (H244142-11)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/11/2024	ND	1.96	98.1	2.00	0.243	
Toluene*	<0.050	0.050	07/11/2024	ND	2.24	112	2.00	3.36	
Ethylbenzene*	<0.050	0.050	07/11/2024	ND	2.35	118	2.00	5.30	
Total Xylenes*	<0.150	0.150	07/11/2024	ND	7.23	120	6.00	4.39	
Total BTEX	<0.300	0.300	07/11/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	111 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	07/12/2024	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	07/11/2024	ND	195	97.7	200	2.95	
DRO >C10-C28*	<10.0	10.0	07/11/2024	ND	191	95.7	200	3.22	
EXT DRO >C28-C36	<10.0	10.0	07/11/2024	ND					
Surrogate: 1-Chlorooctane	97.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	109 9	% 49.1-14	8						

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



		ENSOLUM BEN BELILL 3122 NATIONAL PARKS HW CARLSBAD NM, 88220 Fax To:	Y	
Received:	07/11/2024		Sampling Date:	07/10/2024
Reported:	07/12/2024		Sampling Type:	Soil
Project Name:	PLU 20 DTD PAD A		Sampling Condition:	Cool & Intact
Project Number:	03C1558457		Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.20793-103.9	0713		

Sample ID: FS 21 2' (H244142-12)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/11/2024	ND	1.96	98.1	2.00	0.243	
Toluene*	<0.050	0.050	07/11/2024	ND	2.24	112	2.00	3.36	
Ethylbenzene*	<0.050	0.050	07/11/2024	ND	2.35	118	2.00	5.30	
Total Xylenes*	<0.150	0.150	07/11/2024	ND	7.23	120	6.00	4.39	
Total BTEX	<0.300	0.300	07/11/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	111 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	96.0	16.0	07/12/2024	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	07/11/2024	ND	195	97.7	200	2.95	
DRO >C10-C28*	<10.0	10.0	07/11/2024	ND	191	95.7	200	3.22	
EXT DRO >C28-C36	<10.0	10.0	07/11/2024	ND					
Surrogate: 1-Chlorooctane	91.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	103	% 49.1-14	8						

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



		ENSOLUM BEN BELILL 3122 NATIONAL PARKS HW CARLSBAD NM, 88220 Fax To:	Y	
Received:	07/11/2024		Sampling Date:	07/10/2024
Reported:	07/12/2024		Sampling Type:	Soil
Project Name:	PLU 20 DTD PAD A		Sampling Condition:	Cool & Intact
Project Number:	03C1558457		Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.20793-103.9	0713		

Sample ID: FS 22 2' (H244142-13)

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	07/11/2024	ND	1.96	98.1	2.00	0.243	
Toluene*	<0.050	0.050	07/11/2024	ND	2.24	112	2.00	3.36	
Ethylbenzene*	<0.050	0.050	07/11/2024	ND	2.35	118	2.00	5.30	
Total Xylenes*	<0.150	0.150	07/11/2024	ND	7.23	120	6.00	4.39	
Total BTEX	<0.300	0.300	07/11/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	111 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	80.0	16.0	07/12/2024	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	07/11/2024	ND	195	97.7	200	2.95	
DRO >C10-C28*	<10.0	10.0	07/11/2024	ND	191	95.7	200	3.22	
EXT DRO >C28-C36	<10.0	10.0	07/11/2024	ND					
Surrogate: 1-Chlorooctane	102	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	116 9	% 49.1-14	8						

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



	E 3 (ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:	(
Received:	07/11/2024		Sampling Date:	07/10/2024
Reported:	07/12/2024		Sampling Type:	Soil
Project Name:	PLU 20 DTD PAD A		Sampling Condition:	Cool & Intact
Project Number:	03C1558457		Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.20793-103.90	713		

Sample ID: FS 23 2' (H244142-14)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/11/2024	ND	1.96	98.1	2.00	0.243	
Toluene*	<0.050	0.050	07/11/2024	ND	2.24	112	2.00	3.36	
Ethylbenzene*	<0.050	0.050	07/11/2024	ND	2.35	118	2.00	5.30	
Total Xylenes*	<0.150	0.150	07/11/2024	ND	7.23	120	6.00	4.39	
Total BTEX	<0.300	0.300	07/11/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	111 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	176	16.0	07/12/2024	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	07/12/2024	ND	195	97.7	200	2.95	
DRO >C10-C28*	<10.0	10.0	07/12/2024	ND	191	95.7	200	3.22	
EXT DRO >C28-C36	<10.0	10.0	07/12/2024	ND					
Surrogate: 1-Chlorooctane	98.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	110 9	% 49.1-14	8						

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



		ENSOLUM BEN BELILL 3122 NATIONAL PARKS HW CARLSBAD NM, 88220 Fax To:	Y	
Received:	07/11/2024		Sampling Date:	07/10/2024
Reported:	07/12/2024		Sampling Type:	Soil
Project Name:	PLU 20 DTD PAD A		Sampling Condition:	Cool & Intact
Project Number:	03C1558457		Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.20793-103.	.90713		

Sample ID: FS 24 2' (H244142-15)

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	07/11/2024	ND	1.96	98.1	2.00	0.243	
Toluene*	<0.050	0.050	07/11/2024	ND	2.24	112	2.00	3.36	
Ethylbenzene*	<0.050	0.050	07/11/2024	ND	2.35	118	2.00	5.30	
Total Xylenes*	<0.150	0.150	07/11/2024	ND	7.23	120	6.00	4.39	
Total BTEX	<0.300	0.300	07/11/2024	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	128	16.0	07/12/2024	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	07/12/2024	ND	195	97.7	200	2.95	
DRO >C10-C28*	<10.0	10.0	07/12/2024	ND	191	95.7	200	3.22	
EXT DRO >C28-C36	<10.0	10.0	07/12/2024	ND					
Surrogate: 1-Chlorooctane	104 9	48.2-13	4						
Surrogate: 1-Chlorooctadecane	116 9	% 49.1-14	8						

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



		ENSOLUM BEN BELILL 3122 NATIONAL PARKS HW ¹ CARLSBAD NM, 88220 Fax To:	Y	
Received:	07/11/2024		Sampling Date:	07/10/2024
Reported:	07/12/2024		Sampling Type:	Soil
Project Name:	PLU 20 DTD PAD A		Sampling Condition:	Cool & Intact
Project Number:	03C1558457		Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.20793-103.	90713		

Sample ID: FS 25 2' (H244142-16)

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	07/11/2024	ND	1.96	98.1	2.00	0.243	
Toluene*	<0.050	0.050	07/11/2024	ND	2.24	112	2.00	3.36	
Ethylbenzene*	<0.050	0.050	07/11/2024	ND	2.35	118	2.00	5.30	
Total Xylenes*	<0.150	0.150	07/11/2024	ND	7.23	120	6.00	4.39	
Total BTEX	<0.300	0.300	07/11/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	115 9	% 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	07/12/2024	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	07/12/2024	ND	195	97.7	200	2.95	
DRO >C10-C28*	<10.0	10.0	07/12/2024	ND	191	95.7	200	3.22	
EXT DRO >C28-C36	<10.0	10.0	07/12/2024	ND					
Surrogate: 1-Chlorooctane	103 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	115 9	% 49.1-14	8						

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



	E 3 (ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:	(
Received:	07/11/2024		Sampling Date:	07/10/2024
Reported:	07/12/2024		Sampling Type:	Soil
Project Name:	PLU 20 DTD PAD A		Sampling Condition:	Cool & Intact
Project Number:	03C1558457		Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.20793-103.90	713		

Sample ID: FS 26 2' (H244142-17)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/11/2024	ND	1.85	92.4	2.00	0.991	
Toluene*	<0.050	0.050	07/11/2024	ND	1.90	95.2	2.00	2.02	
Ethylbenzene*	<0.050	0.050	07/11/2024	ND	2.06	103	2.00	2.66	
Total Xylenes*	<0.150	0.150	07/11/2024	ND	6.07	101	6.00	2.69	
Total BTEX	<0.300	0.300	07/11/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.7	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	07/12/2024	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	Qualifier
GRO C6-C10*	<10.0	10.0	07/11/2024	ND	210	105	200	0.825	
DRO >C10-C28*	<10.0	10.0	07/11/2024	ND	208	104	200	0.497	
EXT DRO >C28-C36	<10.0	10.0	07/11/2024	ND					
Surrogate: 1-Chlorooctane	104	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	110 9	% 49.1-14	8						

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



	E 3 (ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:	(
Received:	07/11/2024		Sampling Date:	07/10/2024
Reported:	07/12/2024		Sampling Type:	Soil
Project Name:	PLU 20 DTD PAD A		Sampling Condition:	Cool & Intact
Project Number:	03C1558457		Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.20793-103.90	713		

Sample ID: FS 27 2' (H244142-18)

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	07/11/2024	ND	1.85	92.4	2.00	0.991	
Toluene*	<0.050	0.050	07/11/2024	ND	1.90	95.2	2.00	2.02	
Ethylbenzene*	<0.050	0.050	07/11/2024	ND	2.06	103	2.00	2.66	
Total Xylenes*	<0.150	0.150	07/11/2024	ND	6.07	101	6.00	2.69	
Total BTEX	<0.300	0.300	07/11/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.8	% 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	07/12/2024	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	Qualifier
GRO C6-C10*	<10.0	10.0	07/11/2024	ND	210	105	200	0.825	
DRO >C10-C28*	<10.0	10.0	07/11/2024	ND	208	104	200	0.497	
EXT DRO >C28-C36	<10.0	10.0	07/11/2024	ND					
Surrogate: 1-Chlorooctane	106	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	114 9	% 49.1-14	8						

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



		ENSOLUM BEN BELILL 3122 NATIONAL PARKS HW CARLSBAD NM, 88220 Fax To:	Y	
Received:	07/11/2024		Sampling Date:	07/10/2024
Reported:	07/12/2024		Sampling Type:	Soil
Project Name:	PLU 20 DTD PAD A		Sampling Condition:	Cool & Intact
Project Number:	03C1558457		Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.20793-103.	.90713		

Sample ID: FS 28 2' (H244142-19)

BTEX 8021B	mg/	'kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/11/2024	ND	1.85	92.4	2.00	0.991	
Toluene*	<0.050	0.050	07/11/2024	ND	1.90	95.2	2.00	2.02	
Ethylbenzene*	<0.050	0.050	07/11/2024	ND	2.06	103	2.00	2.66	
Total Xylenes*	<0.150	0.150	07/11/2024	ND	6.07	101	6.00	2.69	
Total BTEX	<0.300	0.300	07/11/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.9	% 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	80.0	16.0	07/12/2024	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	Qualifier
GRO C6-C10*	<10.0	10.0	07/11/2024	ND	210	105	200	0.825	
DRO >C10-C28*	<10.0	10.0	07/11/2024	ND	208	104	200	0.497	
EXT DRO >C28-C36	<10.0	10.0	07/11/2024	ND					
Surrogate: 1-Chlorooctane	109 9	48.2-13	4						
Surrogate: 1-Chlorooctadecane	116 9	% 49.1-14	8						

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


		ENSOLUM BEN BELILL 3122 NATIONAL PARKS HW CARLSBAD NM, 88220 Fax To:	Y	
Received:	07/11/2024		Sampling Date:	07/10/2024
Reported:	07/12/2024		Sampling Type:	Soil
Project Name:	PLU 20 DTD PAD A		Sampling Condition:	Cool & Intact
Project Number:	03C1558457		Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.20793-103.	.90713		

Sample ID: FS 29 2' (H244142-20)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/11/2024	ND	1.85	92.4	2.00	0.991	
Toluene*	<0.050	0.050	07/11/2024	ND	1.90	95.2	2.00	2.02	
Ethylbenzene*	<0.050	0.050	07/11/2024	ND	2.06	103	2.00	2.66	
Total Xylenes*	<0.150	0.150	07/11/2024	ND	6.07	101	6.00	2.69	
Total BTEX	<0.300	0.300	07/11/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.8	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	07/12/2024	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	07/11/2024	ND	210	105	200	0.825	
DRO >C10-C28*	<10.0	10.0	07/11/2024	ND	208	104	200	0.497	
EXT DRO >C28-C36	<10.0	10.0	07/11/2024	ND					
Surrogate: 1-Chlorooctane	101 9	48.2-13	4						
Surrogate: 1-Chlorooctadecane	106 9	% 49.1-14	8						

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



		ENSOLUM BEN BELILL 3122 NATIONAL PARKS HW CARLSBAD NM, 88220 Fax To:	Y	
Received:	07/11/2024		Sampling Date:	07/10/2024
Reported:	07/12/2024		Sampling Type:	Soil
Project Name:	PLU 20 DTD PAD A		Sampling Condition:	Cool & Intact
Project Number:	03C1558457		Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.20793-103.9	0713		

Sample ID: FS 30 2' (H244142-21)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/11/2024	ND	1.85	92.4	2.00	0.991	
Toluene*	<0.050	0.050	07/11/2024	ND	1.90	95.2	2.00	2.02	
Ethylbenzene*	<0.050	0.050	07/11/2024	ND	2.06	103	2.00	2.66	
Total Xylenes*	<0.150	0.150	07/11/2024	ND	6.07	101	6.00	2.69	
Total BTEX	<0.300	0.300	07/11/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.0	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	07/12/2024	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	07/11/2024	ND	210	105	200	0.825	
DRO >C10-C28*	<10.0	10.0	07/11/2024	ND	208	104	200	0.497	
EXT DRO >C28-C36	<10.0	10.0	07/11/2024	ND					
Surrogate: 1-Chlorooctane	112 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	118 9	% 49.1-14	8						

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



		ENSOLUM BEN BELILL 3122 NATIONAL PARKS HW CARLSBAD NM, 88220 Fax To:	Y	
Received:	07/11/2024		Sampling Date:	07/10/2024
Reported:	07/12/2024		Sampling Type:	Soil
Project Name:	PLU 20 DTD PAD A		Sampling Condition:	Cool & Intact
Project Number:	03C1558457		Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.20793-103.9	0713		

Sample ID: FS 31 2' (H244142-22)

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	07/11/2024	ND	1.85	92.4	2.00	0.991	
Toluene*	<0.050	0.050	07/11/2024	ND	1.90	95.2	2.00	2.02	
Ethylbenzene*	<0.050	0.050	07/11/2024	ND	2.06	103	2.00	2.66	
Total Xylenes*	<0.150	0.150	07/11/2024	ND	6.07	101	6.00	2.69	
Total BTEX	<0.300	0.300	07/11/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.4	% 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	07/12/2024	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	07/11/2024	ND	210	105	200	0.825	
DRO >C10-C28*	<10.0	10.0	07/11/2024	ND	208	104	200	0.497	
EXT DRO >C28-C36	<10.0	10.0	07/11/2024	ND					
Surrogate: 1-Chlorooctane	92.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	100	% 49.1-14	8						

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



		ENSOLUM BEN BELILL 3122 NATIONAL PARKS HW CARLSBAD NM, 88220 Fax To:	Y	
Received:	07/11/2024		Sampling Date:	07/10/2024
Reported:	07/12/2024		Sampling Type:	Soil
Project Name:	PLU 20 DTD PAD A		Sampling Condition:	Cool & Intact
Project Number:	03C1558457		Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.20793-103.9	0713		

Sample ID: FS 32 2' (H244142-23)

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	07/11/2024	ND	1.85	92.4	2.00	0.991	
Toluene*	<0.050	0.050	07/11/2024	ND	1.90	95.2	2.00	2.02	
Ethylbenzene*	<0.050	0.050	07/11/2024	ND	2.06	103	2.00	2.66	
Total Xylenes*	<0.150	0.150	07/11/2024	ND	6.07	101	6.00	2.69	
Total BTEX	<0.300	0.300	07/11/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.7	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	07/12/2024	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	07/11/2024	ND	210	105	200	0.825	
DRO >C10-C28*	<10.0	10.0	07/11/2024	ND	208	104	200	0.497	
EXT DRO >C28-C36	<10.0	10.0	07/11/2024	ND					
Surrogate: 1-Chlorooctane	107 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	115 9	% 49.1-14	8						

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



		ENSOLUM BEN BELILL 3122 NATIONAL PARKS HW CARLSBAD NM, 88220 Fax To:	Y	
Received:	07/11/2024		Sampling Date:	07/10/2024
Reported:	07/12/2024		Sampling Type:	Soil
Project Name:	PLU 20 DTD PAD A		Sampling Condition:	Cool & Intact
Project Number:	03C1558457		Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.20793-103.9	0713		

Sample ID: FS 33 2' (H244142-24)

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	07/11/2024	ND	1.85	92.4	2.00	0.991	
Toluene*	<0.050	0.050	07/11/2024	ND	1.90	95.2	2.00	2.02	
Ethylbenzene*	<0.050	0.050	07/11/2024	ND	2.06	103	2.00	2.66	
Total Xylenes*	<0.150	0.150	07/11/2024	ND	6.07	101	6.00	2.69	
Total BTEX	<0.300	0.300	07/11/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.5	% 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	07/12/2024	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	07/11/2024	ND	210	105	200	0.825	
DRO >C10-C28*	<10.0	10.0	07/11/2024	ND	208	104	200	0.497	
EXT DRO >C28-C36	<10.0	10.0	07/11/2024	ND					
Surrogate: 1-Chlorooctane	108	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	117 9	% 49.1-14	8						

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



		ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:	Y	
Received:	07/11/2024		Sampling Date:	07/10/2024
Reported:	07/12/2024		Sampling Type:	Soil
Project Name:	PLU 20 DTD PAD A		Sampling Condition:	Cool & Intact
Project Number:	03C1558457		Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.20793-103.9	90713		

Sample ID: FS 34 2' (H244142-25)

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	07/11/2024	ND	1.85	92.4	2.00	0.991	
Toluene*	<0.050	0.050	07/11/2024	ND	1.90	95.2	2.00	2.02	
Ethylbenzene*	<0.050	0.050	07/11/2024	ND	2.06	103	2.00	2.66	
Total Xylenes*	<0.150	0.150	07/11/2024	ND	6.07	101	6.00	2.69	
Total BTEX	<0.300	0.300	07/11/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.3	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	07/12/2024	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	07/11/2024	ND	210	105	200	0.825	
DRO >C10-C28*	<10.0	10.0	07/11/2024	ND	208	104	200	0.497	
EXT DRO >C28-C36	<10.0	10.0	07/11/2024	ND					
Surrogate: 1-Chlorooctane	108 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	117 9	% 49.1-14	8						

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



	E 3 (ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:	(
Received:	07/11/2024		Sampling Date:	07/10/2024
Reported:	07/12/2024		Sampling Type:	Soil
Project Name:	PLU 20 DTD PAD A		Sampling Condition:	Cool & Intact
Project Number:	03C1558457		Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.20793-103.90	713		

Sample ID: FS 35 3' (H244142-26)

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	07/11/2024	ND	1.85	92.4	2.00	0.991	
Toluene*	<0.050	0.050	07/11/2024	ND	1.90	95.2	2.00	2.02	
Ethylbenzene*	<0.050	0.050	07/11/2024	ND	2.06	103	2.00	2.66	
Total Xylenes*	<0.150	0.150	07/11/2024	ND	6.07	101	6.00	2.69	
Total BTEX	<0.300	0.300	07/11/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.5	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	07/12/2024	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	07/11/2024	ND	210	105	200	0.825	
DRO >C10-C28*	<10.0	10.0	07/11/2024	ND	208	104	200	0.497	
EXT DRO >C28-C36	<10.0	10.0	07/11/2024	ND					
Surrogate: 1-Chlorooctane	103	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	112 9	% 49.1-14	8						

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



	E 3 (ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:	(
Received:	07/11/2024		Sampling Date:	07/10/2024
Reported:	07/12/2024		Sampling Type:	Soil
Project Name:	PLU 20 DTD PAD A		Sampling Condition:	Cool & Intact
Project Number:	03C1558457		Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.20793-103.90	713		

Sample ID: FS 36 3' (H244142-27)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/11/2024	ND	1.85	92.4	2.00	0.991	
Toluene*	<0.050	0.050	07/11/2024	ND	1.90	95.2	2.00	2.02	
Ethylbenzene*	<0.050	0.050	07/11/2024	ND	2.06	103	2.00	2.66	
Total Xylenes*	<0.150	0.150	07/11/2024	ND	6.07	101	6.00	2.69	
Total BTEX	<0.300	0.300	07/11/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.5	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	07/12/2024	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	07/11/2024	ND	210	105	200	0.825	
DRO >C10-C28*	<10.0	10.0	07/11/2024	ND	208	104	200	0.497	
EXT DRO >C28-C36	<10.0	10.0	07/11/2024	ND					
Surrogate: 1-Chlorooctane	109 9	48.2-13	4						
Surrogate: 1-Chlorooctadecane	120 \$	% 49.1-14	8						

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



		ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:	Y	
Received:	07/11/2024		Sampling Date:	07/10/2024
Reported:	07/12/2024		Sampling Type:	Soil
Project Name:	PLU 20 DTD PAD A		Sampling Condition:	Cool & Intact
Project Number:	03C1558457		Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.20793-103.9	90713		

Sample ID: FS 37 3' (H244142-28)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/11/2024	ND	1.85	92.4	2.00	0.991	
Toluene*	<0.050	0.050	07/11/2024	ND	1.90	95.2	2.00	2.02	
Ethylbenzene*	<0.050	0.050	07/11/2024	ND	2.06	103	2.00	2.66	
Total Xylenes*	<0.150	0.150	07/11/2024	ND	6.07	101	6.00	2.69	
Total BTEX	<0.300	0.300	07/11/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.7	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	07/12/2024	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	07/11/2024	ND	210	105	200	0.825	
DRO >C10-C28*	<10.0	10.0	07/11/2024	ND	208	104	200	0.497	
EXT DRO >C28-C36	<10.0	10.0	07/11/2024	ND					
Surrogate: 1-Chlorooctane	111 9	48.2-13	4						
Surrogate: 1-Chlorooctadecane	121	% 49.1-14	8						

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



	E 3 (ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:	(
Received:	07/11/2024		Sampling Date:	07/10/2024
Reported:	07/12/2024		Sampling Type:	Soil
Project Name:	PLU 20 DTD PAD A		Sampling Condition:	Cool & Intact
Project Number:	03C1558457		Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.20793-103.90	713		

Sample ID: FS 38 2' (H244142-29)

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	07/11/2024	ND	1.85	92.4	2.00	0.991	
Toluene*	<0.050	0.050	07/11/2024	ND	1.90	95.2	2.00	2.02	
Ethylbenzene*	<0.050	0.050	07/11/2024	ND	2.06	103	2.00	2.66	
Total Xylenes*	<0.150	0.150	07/11/2024	ND	6.07	101	6.00	2.69	
Total BTEX	<0.300	0.300	07/11/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.7	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	07/12/2024	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	07/11/2024	ND	210	105	200	0.825	
DRO >C10-C28*	<10.0	10.0	07/11/2024	ND	208	104	200	0.497	
EXT DRO >C28-C36	<10.0	10.0	07/11/2024	ND					
Surrogate: 1-Chlorooctane	112 9	48.2-13	4						
Surrogate: 1-Chlorooctadecane	122 9	% 49.1-14	8						

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



	E 3 (ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:	(
Received:	07/11/2024		Sampling Date:	07/10/2024
Reported:	07/12/2024		Sampling Type:	Soil
Project Name:	PLU 20 DTD PAD A		Sampling Condition:	Cool & Intact
Project Number:	03C1558457		Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.20793-103.90	713		

Sample ID: FS 39 2' (H244142-30)

BTEX 8021B	mg,	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/11/2024	ND	1.85	92.4	2.00	0.991	
Toluene*	<0.050	0.050	07/11/2024	ND	1.90	95.2	2.00	2.02	
Ethylbenzene*	<0.050	0.050	07/11/2024	ND	2.06	103	2.00	2.66	
Total Xylenes*	<0.150	0.150	07/11/2024	ND	6.07	101	6.00	2.69	
Total BTEX	<0.300	0.300	07/11/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	<i>98.3</i>	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	07/12/2024	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	07/11/2024	ND	210	105	200	0.825	
DRO >C10-C28*	<10.0	10.0	07/11/2024	ND	208	104	200	0.497	
EXT DRO >C28-C36	<10.0	10.0	07/11/2024	ND					
Surrogate: 1-Chlorooctane	113 9	48.2-13	4						
Surrogate: 1-Chlorooctadecane	123	% 49.1-14	8						

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Mite Sugar

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



		ENSOLUM BEN BELILL 3122 NATIONAL PARKS HW CARLSBAD NM, 88220 Fax To:	Y	
Received:	07/11/2024		Sampling Date:	07/10/2024
Reported:	07/12/2024		Sampling Type:	Soil
Project Name:	PLU 20 DTD PAD A		Sampling Condition:	Cool & Intact
Project Number:	03C1558457		Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.20793-103.90	1713		

Sample ID: FS 40 2' (H244142-31)

BTEX 8021B	mg/	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/11/2024	ND	1.85	92.4	2.00	0.991	
Toluene*	<0.050	0.050	07/11/2024	ND	1.90	95.2	2.00	2.02	
Ethylbenzene*	<0.050	0.050	07/11/2024	ND	2.06	103	2.00	2.66	
Total Xylenes*	<0.150	0.150	07/11/2024	ND	6.07	101	6.00	2.69	
Total BTEX	<0.300	0.300	07/11/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.5	% 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	07/12/2024	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	07/12/2024	ND	210	105	200	0.825	
DRO >C10-C28*	<10.0	10.0	07/12/2024	ND	208	104	200	0.497	
EXT DRO >C28-C36	<10.0	10.0	07/12/2024	ND					
Surrogate: 1-Chlorooctane	107	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	117 9	% 49.1-14	8						

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



		ENSOLUM BEN BELILL 3122 NATIONAL PARKS HW CARLSBAD NM, 88220 Fax To:	Y	
Received:	07/11/2024		Sampling Date:	07/10/2024
Reported:	07/12/2024		Sampling Type:	Soil
Project Name:	PLU 20 DTD PAD A		Sampling Condition:	Cool & Intact
Project Number:	03C1558457		Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.20793-103.9	0713		

Sample ID: FS 41 2' (H244142-32)

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	07/11/2024	ND	1.85	92.4	2.00	0.991	
Toluene*	<0.050	0.050	07/11/2024	ND	1.90	95.2	2.00	2.02	
Ethylbenzene*	<0.050	0.050	07/11/2024	ND	2.06	103	2.00	2.66	
Total Xylenes*	<0.150	0.150	07/11/2024	ND	6.07	101	6.00	2.69	
Total BTEX	<0.300	0.300	07/11/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.0	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	07/12/2024	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	07/12/2024	ND	210	105	200	0.825	
DRO >C10-C28*	<10.0	10.0	07/12/2024	ND	208	104	200	0.497	
EXT DRO >C28-C36	<10.0	10.0	07/12/2024	ND					
Surrogate: 1-Chlorooctane	102	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	111 9	% 49.1-14	8						

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



		ENSOLUM BEN BELILL 3122 NATIONAL PARKS HW CARLSBAD NM, 88220 Fax To:	Y	
Received:	07/11/2024		Sampling Date:	07/10/2024
Reported:	07/12/2024		Sampling Type:	Soil
Project Name:	PLU 20 DTD PAD A		Sampling Condition:	Cool & Intact
Project Number:	03C1558457		Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.20793-103.9	0713		

Sample ID: FS 42 2' (H244142-33)

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	07/11/2024	ND	1.85	92.4	2.00	0.991	
Toluene*	<0.050	0.050	07/11/2024	ND	1.90	95.2	2.00	2.02	
Ethylbenzene*	<0.050	0.050	07/11/2024	ND	2.06	103	2.00	2.66	
Total Xylenes*	<0.150	0.150	07/11/2024	ND	6.07	101	6.00	2.69	
Total BTEX	<0.300	0.300	07/11/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.9	% 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	128	16.0	07/12/2024	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	07/12/2024	ND	210	105	200	0.825	
DRO >C10-C28*	<10.0	10.0	07/12/2024	ND	208	104	200	0.497	
EXT DRO >C28-C36	<10.0	10.0	07/12/2024	ND					
Surrogate: 1-Chlorooctane	108	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	117 9	% 49.1-14	8						

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



		ENSOLUM BEN BELILL 3122 NATIONAL PARKS HW CARLSBAD NM, 88220 Fax To:	Y	
Received:	07/11/2024		Sampling Date:	07/10/2024
Reported:	07/12/2024		Sampling Type:	Soil
Project Name:	PLU 20 DTD PAD A		Sampling Condition:	Cool & Intact
Project Number:	03C1558457		Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.20793-103.90	1713		

Sample ID: FS 43 2' (H244142-34)

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	07/11/2024	ND	1.85	92.4	2.00	0.991	
Toluene*	<0.050	0.050	07/11/2024	ND	1.90	95.2	2.00	2.02	
Ethylbenzene*	<0.050	0.050	07/11/2024	ND	2.06	103	2.00	2.66	
Total Xylenes*	<0.150	0.150	07/11/2024	ND	6.07	101	6.00	2.69	
Total BTEX	<0.300	0.300	07/11/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.2	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	07/12/2024	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	07/12/2024	ND	210	105	200	0.825	
DRO >C10-C28*	<10.0	10.0	07/12/2024	ND	208	104	200	0.497	
EXT DRO >C28-C36	<10.0	10.0	07/12/2024	ND					
Surrogate: 1-Chlorooctane	105	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	113 9	% 49.1-14	8						

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



	E 3 (ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:	(
Received:	07/11/2024		Sampling Date:	07/10/2024
Reported:	07/12/2024		Sampling Type:	Soil
Project Name:	PLU 20 DTD PAD A		Sampling Condition:	Cool & Intact
Project Number:	03C1558457		Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.20793-103.90	713		

Sample ID: FS 44 2' (H244142-35)

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	07/11/2024	ND	1.85	92.4	2.00	0.991	
Toluene*	<0.050	0.050	07/11/2024	ND	1.90	95.2	2.00	2.02	
Ethylbenzene*	<0.050	0.050	07/11/2024	ND	2.06	103	2.00	2.66	
Total Xylenes*	<0.150	0.150	07/11/2024	ND	6.07	101	6.00	2.69	
Total BTEX	<0.300	0.300	07/11/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.8	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	07/12/2024	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	07/12/2024	ND	210	105	200	0.825	
DRO >C10-C28*	<10.0	10.0	07/12/2024	ND	208	104	200	0.497	
EXT DRO >C28-C36	<10.0	10.0	07/12/2024	ND					
Surrogate: 1-Chlorooctane	114	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	124	% 49.1-14	8						

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



		ENSOLUM BEN BELILL 3122 NATIONAL PARKS HW CARLSBAD NM, 88220 Fax To:	Y	
Received:	07/11/2024		Sampling Date:	07/10/2024
Reported:	07/12/2024		Sampling Type:	Soil
Project Name:	PLU 20 DTD PAD A		Sampling Condition:	Cool & Intact
Project Number:	03C1558457		Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.20793-103.	90713		

Sample ID: FS 45 2' (H244142-36)

BTEX 8021B	mg/	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/11/2024	ND	1.85	92.4	2.00	0.991	
Toluene*	<0.050	0.050	07/11/2024	ND	1.90	95.2	2.00	2.02	
Ethylbenzene*	<0.050	0.050	07/11/2024	ND	2.06	103	2.00	2.66	
Total Xylenes*	<0.150	0.150	07/11/2024	ND	6.07	101	6.00	2.69	
Total BTEX	<0.300	0.300	07/11/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.4	% 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	192	16.0	07/12/2024	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	07/12/2024	ND	210	105	200	0.825	
DRO >C10-C28*	<10.0	10.0	07/12/2024	ND	208	104	200	0.497	
EXT DRO >C28-C36	<10.0	10.0	07/12/2024	ND					
Surrogate: 1-Chlorooctane	114 9	48.2-13	4						
Surrogate: 1-Chlorooctadecane	123 9	% 49.1-14	8						

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



		ENSOLUM BEN BELILL 3122 NATIONAL PARKS HW CARLSBAD NM, 88220 Fax To:	Y	
Received:	07/11/2024		Sampling Date:	07/10/2024
Reported:	07/12/2024		Sampling Type:	Soil
Project Name:	PLU 20 DTD PAD A		Sampling Condition:	Cool & Intact
Project Number:	03C1558457		Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.20793-103.9	0713		

Sample ID: FS 46 2' (H244142-37)

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	07/11/2024	ND	2.07	103	2.00	2.00	
Toluene*	<0.050	0.050	07/11/2024	ND	2.10	105	2.00	2.62	
Ethylbenzene*	<0.050	0.050	07/11/2024	ND	2.22	111	2.00	3.29	
Total Xylenes*	<0.150	0.150	07/11/2024	ND	6.75	112	6.00	2.71	
Total BTEX	<0.300	0.300	07/11/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	112 9	% 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	176	16.0	07/12/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/11/2024	ND	215	107	200	0.224	
DRO >C10-C28*	<10.0	10.0	07/11/2024	ND	206	103	200	7.70	
EXT DRO >C28-C36	<10.0	10.0	07/11/2024	ND					
Surrogate: 1-Chlorooctane	113 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	113 9	% 49.1-14	8						

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



		ENSOLUM BEN BELILL 3122 NATIONAL PARKS HW CARLSBAD NM, 88220 Fax To:	Y	
Received:	07/11/2024		Sampling Date:	07/10/2024
Reported:	07/12/2024		Sampling Type:	Soil
Project Name:	PLU 20 DTD PAD A		Sampling Condition:	Cool & Intact
Project Number:	03C1558457		Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.20793-103.9	0713		

Sample ID: FS 47 2' (H244142-38)

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	07/11/2024	ND	2.07	103	2.00	2.00	
Toluene*	<0.050	0.050	07/11/2024	ND	2.10	105	2.00	2.62	
Ethylbenzene*	<0.050	0.050	07/11/2024	ND	2.22	111	2.00	3.29	
Total Xylenes*	<0.150	0.150	07/11/2024	ND	6.75	112	6.00	2.71	
Total BTEX	<0.300	0.300	07/11/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	110 9	% 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	07/12/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/11/2024	ND	215	107	200	0.224	
DRO >C10-C28*	<10.0	10.0	07/11/2024	ND	206	103	200	7.70	
EXT DRO >C28-C36	<10.0	10.0	07/11/2024	ND					
Surrogate: 1-Chlorooctane	116 9	48.2-13	4						
Surrogate: 1-Chlorooctadecane	121	% 49.1-14	8						

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



	E 3 (ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:	(
Received:	07/11/2024		Sampling Date:	07/10/2024
Reported:	07/12/2024		Sampling Type:	Soil
Project Name:	PLU 20 DTD PAD A		Sampling Condition:	Cool & Intact
Project Number:	03C1558457		Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.20793-103.90	713		

Sample ID: FS 48 2' (H244142-39)

BTEX 8021B	mg,	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/11/2024	ND	2.07	103	2.00	2.00	
Toluene*	<0.050	0.050	07/11/2024	ND	2.10	105	2.00	2.62	
Ethylbenzene*	<0.050	0.050	07/11/2024	ND	2.22	111	2.00	3.29	
Total Xylenes*	<0.150	0.150	07/11/2024	ND	6.75	112	6.00	2.71	
Total BTEX	<0.300	0.300	07/11/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	110 9	% 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	128	16.0	07/12/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/11/2024	ND	215	107	200	0.224	
DRO >C10-C28*	<10.0	10.0	07/11/2024	ND	206	103	200	7.70	
EXT DRO >C28-C36	<10.0	10.0	07/11/2024	ND					
Surrogate: 1-Chlorooctane	109	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	112 9	% 49.1-14	8						

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



		ENSOLUM BEN BELILL 3122 NATIONAL PARKS HW CARLSBAD NM, 88220 Fax To:	Y	
Received:	07/11/2024		Sampling Date:	07/10/2024
Reported:	07/12/2024		Sampling Type:	Soil
Project Name:	PLU 20 DTD PAD A		Sampling Condition:	Cool & Intact
Project Number:	03C1558457		Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.20793-103.9	0713		

Sample ID: FS 49 2' (H244142-40)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/11/2024	ND	2.07	103	2.00	2.00	
Toluene*	<0.050	0.050	07/11/2024	ND	2.10	105	2.00	2.62	
Ethylbenzene*	<0.050	0.050	07/11/2024	ND	2.22	111	2.00	3.29	
Total Xylenes*	<0.150	0.150	07/11/2024	ND	6.75	112	6.00	2.71	
Total BTEX	<0.300	0.300	07/11/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	111 9	% 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	160	16.0	07/12/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/11/2024	ND	215	107	200	0.224	
DRO >C10-C28*	<10.0	10.0	07/11/2024	ND	206	103	200	7.70	
EXT DRO >C28-C36	<10.0	10.0	07/11/2024	ND					
Surrogate: 1-Chlorooctane	115 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	117 9	% 49.1-14	8						

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



		ENSOLUM BEN BELILL 3122 NATIONAL PARKS HW CARLSBAD NM, 88220 Fax To:	Y	
Received:	07/11/2024		Sampling Date:	07/10/2024
Reported:	07/12/2024		Sampling Type:	Soil
Project Name:	PLU 20 DTD PAD A		Sampling Condition:	Cool & Intact
Project Number:	03C1558457		Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.20793-103.9	0713		

Sample ID: FS 50 2' (H244142-41)

BTEX 8021B	mg	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/11/2024	ND	2.07	103	2.00	2.00	
Toluene*	<0.050	0.050	07/11/2024	ND	2.10	105	2.00	2.62	
Ethylbenzene*	<0.050	0.050	07/11/2024	ND	2.22	111	2.00	3.29	
Total Xylenes*	<0.150	0.150	07/11/2024	ND	6.75	112	6.00	2.71	
Total BTEX	<0.300	0.300	07/11/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	112 9	% 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	192	16.0	07/12/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/11/2024	ND	215	107	200	0.224	
DRO >C10-C28*	<10.0	10.0	07/11/2024	ND	206	103	200	7.70	
EXT DRO >C28-C36	<10.0	10.0	07/11/2024	ND					
Surrogate: 1-Chlorooctane	117 9	48.2-13	4						
Surrogate: 1-Chlorooctadecane	129	% 49.1-14	8						

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Mite Sugar

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



		ENSOLUM BEN BELILL 3122 NATIONAL PARKS HW CARLSBAD NM, 88220 Fax To:	Y	
Received:	07/11/2024		Sampling Date:	07/10/2024
Reported:	07/12/2024		Sampling Type:	Soil
Project Name:	PLU 20 DTD PAD A		Sampling Condition:	Cool & Intact
Project Number:	03C1558457		Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.20793-103.9	0713		

Sample ID: FS 51 2' (H244142-42)

BTEX 8021B	mg,	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/11/2024	ND	2.07	103	2.00	2.00	
Toluene*	<0.050	0.050	07/11/2024	ND	2.10	105	2.00	2.62	
Ethylbenzene*	<0.050	0.050	07/11/2024	ND	2.22	111	2.00	3.29	
Total Xylenes*	<0.150	0.150	07/11/2024	ND	6.75	112	6.00	2.71	
Total BTEX	<0.300	0.300	07/11/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	112 9	% 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	144	16.0	07/12/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/12/2024	ND	215	107	200	0.224	
DRO >C10-C28*	<10.0	10.0	07/12/2024	ND	206	103	200	7.70	
EXT DRO >C28-C36	<10.0	10.0	07/12/2024	ND					
Surrogate: 1-Chlorooctane	129	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	136	% 49.1-14	8						

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



		ENSOLUM BEN BELILL 3122 NATIONAL PARKS HW CARLSBAD NM, 88220 Fax To:	Y	
Received:	07/11/2024		Sampling Date:	07/10/2024
Reported:	07/12/2024		Sampling Type:	Soil
Project Name:	PLU 20 DTD PAD A		Sampling Condition:	Cool & Intact
Project Number:	03C1558457		Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.20793-103.9	0713		

Sample ID: FS 52 2' (H244142-43)

BTEX 8021B	mg,	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/11/2024	ND	2.07	103	2.00	2.00	
Toluene*	<0.050	0.050	07/11/2024	ND	2.10	105	2.00	2.62	
Ethylbenzene*	<0.050	0.050	07/11/2024	ND	2.22	111	2.00	3.29	
Total Xylenes*	<0.150	0.150	07/11/2024	ND	6.75	112	6.00	2.71	
Total BTEX	<0.300	0.300	07/11/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	111 9	% 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	240	16.0	07/12/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/12/2024	ND	215	107	200	0.224	
DRO >C10-C28*	<10.0	10.0	07/12/2024	ND	206	103	200	7.70	
EXT DRO >C28-C36	<10.0	10.0	07/12/2024	ND					
Surrogate: 1-Chlorooctane	104	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	110 9	% 49.1-14	8						

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



		ENSOLUM BEN BELILL 3122 NATIONAL PARKS HW CARLSBAD NM, 88220 Fax To:	Y	
Received:	07/11/2024		Sampling Date:	07/10/2024
Reported:	07/12/2024		Sampling Type:	Soil
Project Name:	PLU 20 DTD PAD A		Sampling Condition:	Cool & Intact
Project Number:	03C1558457		Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.20793-103.	90713		

Sample ID: FS 53 2' (H244142-44)

BTEX 8021B	mg/	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/11/2024	ND	2.07	103	2.00	2.00	
Toluene*	<0.050	0.050	07/11/2024	ND	2.10	105	2.00	2.62	
Ethylbenzene*	<0.050	0.050	07/11/2024	ND	2.22	111	2.00	3.29	
Total Xylenes*	<0.150	0.150	07/11/2024	ND	6.75	112	6.00	2.71	
Total BTEX	<0.300	0.300	07/11/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	114 9	% 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	07/12/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/12/2024	ND	215	107	200	0.224	
DRO >C10-C28*	<10.0	10.0	07/12/2024	ND	206	103	200	7.70	
EXT DRO >C28-C36	<10.0	10.0	07/12/2024	ND					
Surrogate: 1-Chlorooctane	124 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	131 9	% 49.1-14	8						

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



		ENSOLUM BEN BELILL 3122 NATIONAL PARKS HW CARLSBAD NM, 88220 Fax To:	Y	
Received:	07/11/2024		Sampling Date:	07/10/2024
Reported:	07/12/2024		Sampling Type:	Soil
Project Name:	PLU 20 DTD PAD A		Sampling Condition:	Cool & Intact
Project Number:	03C1558457		Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.20793-103.9	0713		

Sample ID: FS 54 2' (H244142-45)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/11/2024	ND	2.07	103	2.00	2.00	
Toluene*	<0.050	0.050	07/11/2024	ND	2.10	105	2.00	2.62	
Ethylbenzene*	<0.050	0.050	07/11/2024	ND	2.22	111	2.00	3.29	
Total Xylenes*	<0.150	0.150	07/11/2024	ND	6.75	112	6.00	2.71	
Total BTEX	<0.300	0.300	07/11/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	111 9	% 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	07/12/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/12/2024	ND	215	107	200	0.224	
DRO >C10-C28*	<10.0	10.0	07/12/2024	ND	206	103	200	7.70	
EXT DRO >C28-C36	<10.0	10.0	07/12/2024	ND					
Surrogate: 1-Chlorooctane	119 9	48.2-13	4						
Surrogate: 1-Chlorooctadecane	126 9	% 49.1-14	8						

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



		ENSOLUM BEN BELILL 3122 NATIONAL PARKS HW CARLSBAD NM, 88220 Fax To:	Y	
Received:	07/11/2024		Sampling Date:	07/10/2024
Reported:	07/12/2024		Sampling Type:	Soil
Project Name:	PLU 20 DTD PAD A		Sampling Condition:	Cool & Intact
Project Number:	03C1558457		Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.20793-103.9	0713		

Sample ID: FS 55 2' (H244142-46)

BTEX 8021B	mg/	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/11/2024	ND	2.07	103	2.00	2.00	
Toluene*	<0.050	0.050	07/11/2024	ND	2.10	105	2.00	2.62	
Ethylbenzene*	<0.050	0.050	07/11/2024	ND	2.22	111	2.00	3.29	
Total Xylenes*	<0.150	0.150	07/11/2024	ND	6.75	112	6.00	2.71	
Total BTEX	<0.300	0.300	07/11/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	115 9	% 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	07/12/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/12/2024	ND	215	107	200	0.224	
DRO >C10-C28*	<10.0	10.0	07/12/2024	ND	206	103	200	7.70	
EXT DRO >C28-C36	<10.0	10.0	07/12/2024	ND					
Surrogate: 1-Chlorooctane	121 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	127 9	% 49.1-14	8						

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



		ENSOLUM BEN BELILL 3122 NATIONAL PARKS HW CARLSBAD NM, 88220 Fax To:	Y	
Received:	07/11/2024		Sampling Date:	07/10/2024
Reported:	07/12/2024		Sampling Type:	Soil
Project Name:	PLU 20 DTD PAD A		Sampling Condition:	Cool & Intact
Project Number:	03C1558457		Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.20793-103.9	0713		

Sample ID: FS 56 2' (H244142-47)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/11/2024	ND	2.07	103	2.00	2.00	
Toluene*	<0.050	0.050	07/11/2024	ND	2.10	105	2.00	2.62	
Ethylbenzene*	<0.050	0.050	07/11/2024	ND	2.22	111	2.00	3.29	
Total Xylenes*	<0.150	0.150	07/11/2024	ND	6.75	112	6.00	2.71	
Total BTEX	<0.300	0.300	07/11/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	117	% 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	128	16.0	07/12/2024	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/12/2024	ND	215	107	200	0.224	
DRO >C10-C28*	<10.0	10.0	07/12/2024	ND	206	103	200	7.70	
EXT DRO >C28-C36	<10.0	10.0	07/12/2024	ND					
Surrogate: 1-Chlorooctane	90.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	94.2	% 49.1-14	8						

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



		ENSOLUM BEN BELILL 3122 NATIONAL PARKS HW CARLSBAD NM, 88220 Fax To:	Y	
Received:	07/11/2024		Sampling Date:	07/10/2024
Reported:	07/12/2024		Sampling Type:	Soil
Project Name:	PLU 20 DTD PAD A		Sampling Condition:	Cool & Intact
Project Number:	03C1558457		Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.20793-103.9	0713		

Sample ID: FS 57 2' (H244142-48)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/11/2024	ND	2.07	103	2.00	2.00	
Toluene*	<0.050	0.050	07/11/2024	ND	2.10	105	2.00	2.62	
Ethylbenzene*	<0.050	0.050	07/11/2024	ND	2.22	111	2.00	3.29	
Total Xylenes*	<0.150	0.150	07/11/2024	ND	6.75	112	6.00	2.71	
Total BTEX	<0.300	0.300	07/11/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	118 9	% 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	144	16.0	07/12/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/12/2024	ND	215	107	200	0.224	
DRO >C10-C28*	<10.0	10.0	07/12/2024	ND	206	103	200	7.70	
EXT DRO >C28-C36	<10.0	10.0	07/12/2024	ND					
Surrogate: 1-Chlorooctane	127	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	134	% 49.1-14	8						

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



		ENSOLUM BEN BELILL 3122 NATIONAL PARKS HW CARLSBAD NM, 88220 Fax To:	Y	
Received:	07/11/2024		Sampling Date:	07/10/2024
Reported:	07/12/2024		Sampling Type:	Soil
Project Name:	PLU 20 DTD PAD A		Sampling Condition:	Cool & Intact
Project Number:	03C1558457		Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.20793-103.9	0713		

Sample ID: FS 58 2' (H244142-49)

BTEX 8021B	mg/	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/11/2024	ND	2.07	103	2.00	2.00	
Toluene*	<0.050	0.050	07/11/2024	ND	2.10	105	2.00	2.62	
Ethylbenzene*	<0.050	0.050	07/11/2024	ND	2.22	111	2.00	3.29	
Total Xylenes*	<0.150	0.150	07/11/2024	ND	6.75	112	6.00	2.71	
Total BTEX	<0.300	0.300	07/11/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	109 9	% 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	160	16.0	07/12/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/12/2024	ND	215	107	200	0.224	
DRO >C10-C28*	<10.0	10.0	07/12/2024	ND	206	103	200	7.70	
EXT DRO >C28-C36	<10.0	10.0	07/12/2024	ND					
Surrogate: 1-Chlorooctane	124 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	130 \$	% 49.1-14	8						

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



	E 3 (ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:	(
Received:	07/11/2024		Sampling Date:	07/10/2024
Reported:	07/12/2024		Sampling Type:	Soil
Project Name:	PLU 20 DTD PAD A		Sampling Condition:	Cool & Intact
Project Number:	03C1558457		Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.20793-103.90	713		

Sample ID: FS 59 2' (H244142-50)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/11/2024	ND	2.07	103	2.00	2.00	
Toluene*	<0.050	0.050	07/11/2024	ND	2.10	105	2.00	2.62	
Ethylbenzene*	<0.050	0.050	07/11/2024	ND	2.22	111	2.00	3.29	
Total Xylenes*	<0.150	0.150	07/11/2024	ND	6.75	112	6.00	2.71	
Total BTEX	<0.300	0.300	07/11/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	117 9	% 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	07/12/2024	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/12/2024	ND	215	107	200	0.224	
DRO >C10-C28*	<10.0	10.0	07/12/2024	ND	206	103	200	7.70	
EXT DRO >C28-C36	<10.0	10.0	07/12/2024	ND					
Surrogate: 1-Chlorooctane	125	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	133	% 49.1-14	8						

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



		ENSOLUM BEN BELILL 3122 NATIONAL PARKS HW CARLSBAD NM, 88220 Fax To:	Y	
Received:	07/11/2024		Sampling Date:	07/10/2024
Reported:	07/12/2024		Sampling Type:	Soil
Project Name:	PLU 20 DTD PAD A		Sampling Condition:	Cool & Intact
Project Number:	03C1558457		Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.20793-103.9	0713		

Sample ID: FS 60 2' (H244142-51)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/11/2024	ND	2.07	103	2.00	2.00	
Toluene*	<0.050	0.050	07/11/2024	ND	2.10	105	2.00	2.62	
Ethylbenzene*	<0.050	0.050	07/11/2024	ND	2.22	111	2.00	3.29	
Total Xylenes*	<0.150	0.150	07/11/2024	ND	6.75	112	6.00	2.71	
Total BTEX	<0.300	0.300	07/11/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	118 9	% 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	07/12/2024	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/12/2024	ND	215	107	200	0.224	
DRO >C10-C28*	<10.0	10.0	07/12/2024	ND	206	103	200	7.70	
EXT DRO >C28-C36	<10.0	10.0	07/12/2024	ND					
Surrogate: 1-Chlorooctane	104	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	111 9	% 49.1-14	8						

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Mite Sugar

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



		ENSOLUM BEN BELILL 3122 NATIONAL PARKS HW CARLSBAD NM, 88220 Fax To:	Y	
Received:	07/11/2024		Sampling Date:	07/10/2024
Reported:	07/12/2024		Sampling Type:	Soil
Project Name:	PLU 20 DTD PAD A		Sampling Condition:	Cool & Intact
Project Number:	03C1558457		Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.20793-103.9	0713		

Sample ID: FS 61 2' (H244142-52)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/11/2024	ND	2.07	103	2.00	2.00	
Toluene*	<0.050	0.050	07/11/2024	ND	2.10	105	2.00	2.62	
Ethylbenzene*	<0.050	0.050	07/11/2024	ND	2.22	111	2.00	3.29	
Total Xylenes*	<0.150	0.150	07/11/2024	ND	6.75	112	6.00	2.71	
Total BTEX	<0.300	0.300	07/11/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	116 9	% 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	96.0	16.0	07/12/2024	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/12/2024	ND	215	107	200	0.224	
DRO >C10-C28*	<10.0	10.0	07/12/2024	ND	206	103	200	7.70	
EXT DRO >C28-C36	<10.0	10.0	07/12/2024	ND					
Surrogate: 1-Chlorooctane	125	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	132	% 49.1-14	8						

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Mite Sugar

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



		ENSOLUM BEN BELILL 3122 NATIONAL PARKS HW CARLSBAD NM, 88220 Fax To:	Y	
Received:	07/11/2024		Sampling Date:	07/10/2024
Reported:	07/12/2024		Sampling Type:	Soil
Project Name:	PLU 20 DTD PAD A		Sampling Condition:	Cool & Intact
Project Number:	03C1558457		Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.20793-103.9	0713		

Sample ID: FS 62 2' (H244142-53)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/11/2024	ND	2.07	103	2.00	2.00	
Toluene*	<0.050	0.050	07/11/2024	ND	2.10	105	2.00	2.62	
Ethylbenzene*	<0.050	0.050	07/11/2024	ND	2.22	111	2.00	3.29	
Total Xylenes*	<0.150	0.150	07/11/2024	ND	6.75	112	6.00	2.71	
Total BTEX	<0.300	0.300	07/11/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	117	% 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	07/12/2024	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/12/2024	ND	215	107	200	0.224	
DRO >C10-C28*	<10.0	10.0	07/12/2024	ND	206	103	200	7.70	
EXT DRO >C28-C36	<10.0	10.0	07/12/2024	ND					
Surrogate: 1-Chlorooctane	126	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	135	% 49.1-14	8						

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



		ENSOLUM BEN BELILL 3122 NATIONAL PARKS HW CARLSBAD NM, 88220 Fax To:	Y	
Received:	07/11/2024		Sampling Date:	07/10/2024
Reported:	07/12/2024		Sampling Type:	Soil
Project Name:	PLU 20 DTD PAD A		Sampling Condition:	Cool & Intact
Project Number:	03C1558457		Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.20793-103.9	0713		

Sample ID: FS 63 2' (H244142-54)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/11/2024	ND	2.07	103	2.00	2.00	
Toluene*	<0.050	0.050	07/11/2024	ND	2.10	105	2.00	2.62	
Ethylbenzene*	<0.050	0.050	07/11/2024	ND	2.22	111	2.00	3.29	
Total Xylenes*	<0.150	0.150	07/11/2024	ND	6.75	112	6.00	2.71	
Total BTEX	<0.300	0.300	07/11/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	117 9	% 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	07/12/2024	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/12/2024	ND	215	107	200	0.224	
DRO >C10-C28*	<10.0	10.0	07/12/2024	ND	206	103	200	7.70	
EXT DRO >C28-C36	<10.0	10.0	07/12/2024	ND					
Surrogate: 1-Chlorooctane	120	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	128	% 49.1-14	8						

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



	E 3 (ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:	(
Received:	07/11/2024		Sampling Date:	07/10/2024
Reported:	07/12/2024		Sampling Type:	Soil
Project Name:	PLU 20 DTD PAD A		Sampling Condition:	Cool & Intact
Project Number:	03C1558457		Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.20793-103.90	713		

Sample ID: FS 64 2' (H244142-55)

BTEX 8021B	mg/	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/11/2024	ND	2.07	103	2.00	2.00	
Toluene*	<0.050	0.050	07/11/2024	ND	2.10	105	2.00	2.62	
Ethylbenzene*	<0.050	0.050	07/11/2024	ND	2.22	111	2.00	3.29	
Total Xylenes*	<0.150	0.150	07/11/2024	ND	6.75	112	6.00	2.71	
Total BTEX	<0.300	0.300	07/11/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	115 9	% 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	96.0	16.0	07/12/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/12/2024	ND	215	107	200	0.224	
DRO >C10-C28*	<10.0	10.0	07/12/2024	ND	206	103	200	7.70	
EXT DRO >C28-C36	<10.0	10.0	07/12/2024	ND					
Surrogate: 1-Chlorooctane	111 9	48.2-13	4						
Surrogate: 1-Chlorooctadecane	114 9	% 49.1-14	8						

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


	E 3 (ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:	(
Received:	07/11/2024		Sampling Date:	07/10/2024
Reported:	07/12/2024		Sampling Type:	Soil
Project Name:	PLU 20 DTD PAD A		Sampling Condition:	Cool & Intact
Project Number:	03C1558457		Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.20793-103.90	713		

Sample ID: FS 65 2' (H244142-56)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/11/2024	ND	2.07	103	2.00	2.00	
Toluene*	<0.050	0.050	07/11/2024	ND	2.10	105	2.00	2.62	
Ethylbenzene*	<0.050	0.050	07/11/2024	ND	2.22	111	2.00	3.29	
Total Xylenes*	<0.150	0.150	07/11/2024	ND	6.75	112	6.00	2.71	
Total BTEX	<0.300	0.300	07/11/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	123	% 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	224	16.0	07/12/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/12/2024	ND	215	107	200	0.224	
DRO >C10-C28*	<10.0	10.0	07/12/2024	ND	206	103	200	7.70	
EXT DRO >C28-C36	<10.0	10.0	07/12/2024	ND					
Surrogate: 1-Chlorooctane	114 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	120	% 49.1-14	8						

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



		ENSOLUM BEN BELILL 3122 NATIONAL PARKS HW CARLSBAD NM, 88220 Fax To:	Y	
Received:	07/11/2024		Sampling Date:	07/10/2024
Reported:	07/12/2024		Sampling Type:	Soil
Project Name:	PLU 20 DTD PAD A		Sampling Condition:	Cool & Intact
Project Number:	03C1558457		Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.20793-103.90	1713		

Sample ID: FS 66 2' (H244142-57)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/11/2024	ND	1.88	93.8	2.00	3.29	
Toluene*	<0.050	0.050	07/11/2024	ND	1.89	94.6	2.00	0.710	
Ethylbenzene*	<0.050	0.050	07/11/2024	ND	1.92	96.2	2.00	1.79	
Total Xylenes*	<0.150	0.150	07/11/2024	ND	5.68	94.7	6.00	1.02	
Total BTEX	<0.300	0.300	07/11/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	07/12/2024	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	07/11/2024	ND	202	101	200	2.43	
DRO >C10-C28*	<10.0	10.0	07/11/2024	ND	188	93.9	200	3.27	
EXT DRO >C28-C36	<10.0	10.0	07/11/2024	ND					
Surrogate: 1-Chlorooctane	102 9	48.2-13	4						
Surrogate: 1-Chlorooctadecane	100 9	% 49.1-14	8						

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



		ENSOLUM BEN BELILL 3122 NATIONAL PARKS HW CARLSBAD NM, 88220 Fax To:	Y	
Received:	07/11/2024		Sampling Date:	07/10/2024
Reported:	07/12/2024		Sampling Type:	Soil
Project Name:	PLU 20 DTD PAD A		Sampling Condition:	Cool & Intact
Project Number:	03C1558457		Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.20793-103.9	0713		

Sample ID: FS 67 2' (H244142-58)

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	07/11/2024	ND	1.88	93.8	2.00	3.29	
Toluene*	<0.050	0.050	07/11/2024	ND	1.89	94.6	2.00	0.710	
Ethylbenzene*	<0.050	0.050	07/11/2024	ND	1.92	96.2	2.00	1.79	
Total Xylenes*	<0.150	0.150	07/11/2024	ND	5.68	94.7	6.00	1.02	
Total BTEX	<0.300	0.300	07/11/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	07/12/2024	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	07/11/2024	ND	202	101	200	2.43	
DRO >C10-C28*	<10.0	10.0	07/11/2024	ND	188	93.9	200	3.27	
EXT DRO >C28-C36	<10.0	10.0	07/11/2024	ND					
Surrogate: 1-Chlorooctane	113 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	111 9	% 49.1-14	8						

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



	E 3 (ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:	(
Received:	07/11/2024		Sampling Date:	07/10/2024
Reported:	07/12/2024		Sampling Type:	Soil
Project Name:	PLU 20 DTD PAD A		Sampling Condition:	Cool & Intact
Project Number:	03C1558457		Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.20793-103.90	713		

Sample ID: FS 68 2' (H244142-59)

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	07/11/2024	ND	1.88	93.8	2.00	3.29	
Toluene*	<0.050	0.050	07/11/2024	ND	1.89	94.6	2.00	0.710	
Ethylbenzene*	<0.050	0.050	07/11/2024	ND	1.92	96.2	2.00	1.79	
Total Xylenes*	<0.150	0.150	07/11/2024	ND	5.68	94.7	6.00	1.02	
Total BTEX	<0.300	0.300	07/11/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	07/12/2024	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	07/11/2024	ND	202	101	200	2.43	
DRO >C10-C28*	<10.0	10.0	07/11/2024	ND	188	93.9	200	3.27	
EXT DRO >C28-C36	<10.0	10.0	07/11/2024	ND					
Surrogate: 1-Chlorooctane	104	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	102	% 49.1-14	8						

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



	E 3 (ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:	(
Received:	07/11/2024		Sampling Date:	07/10/2024
Reported:	07/12/2024		Sampling Type:	Soil
Project Name:	PLU 20 DTD PAD A		Sampling Condition:	Cool & Intact
Project Number:	03C1558457		Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.20793-103.90	713		

Sample ID: FS 69 2' (H244142-60)

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	07/11/2024	ND	1.88	93.8	2.00	3.29	
Toluene*	<0.050	0.050	07/11/2024	ND	1.89	94.6	2.00	0.710	
Ethylbenzene*	<0.050	0.050	07/11/2024	ND	1.92	96.2	2.00	1.79	
Total Xylenes*	<0.150	0.150	07/11/2024	ND	5.68	94.7	6.00	1.02	
Total BTEX	<0.300	0.300	07/11/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	07/12/2024	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	07/11/2024	ND	202	101	200	2.43	
DRO >C10-C28*	<10.0	10.0	07/11/2024	ND	188	93.9	200	3.27	
EXT DRO >C28-C36	<10.0	10.0	07/11/2024	ND					
Surrogate: 1-Chlorooctane	105	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	102	% 49.1-14	8						

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



		ENSOLUM BEN BELILL 3122 NATIONAL PARKS HW CARLSBAD NM, 88220 Fax To:	Y	
Received:	07/11/2024		Sampling Date:	07/10/2024
Reported:	07/12/2024		Sampling Type:	Soil
Project Name:	PLU 20 DTD PAD A		Sampling Condition:	Cool & Intact
Project Number:	03C1558457		Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.20793-103.9	0713		

Sample ID: FS 70 2' (H244142-61)

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	07/11/2024	ND	1.88	93.8	2.00	3.29	
Toluene*	<0.050	0.050	07/11/2024	ND	1.89	94.6	2.00	0.710	
Ethylbenzene*	<0.050	0.050	07/11/2024	ND	1.92	96.2	2.00	1.79	
Total Xylenes*	<0.150	0.150	07/11/2024	ND	5.68	94.7	6.00	1.02	
Total BTEX	<0.300	0.300	07/11/2024	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	208	16.0	07/12/2024	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	07/11/2024	ND	202	101	200	2.43	
DRO >C10-C28*	<10.0	10.0	07/11/2024	ND	188	93.9	200	3.27	
EXT DRO >C28-C36	<10.0	10.0	07/11/2024	ND					
Surrogate: 1-Chlorooctane	99.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	96.3	% 49.1-14	8						

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



		ENSOLUM BEN BELILL 3122 NATIONAL PARKS HW CARLSBAD NM, 88220 Fax To:	Y	
Received:	07/11/2024		Sampling Date:	07/10/2024
Reported:	07/12/2024		Sampling Type:	Soil
Project Name:	PLU 20 DTD PAD A		Sampling Condition:	Cool & Intact
Project Number:	03C1558457		Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.20793-103.9	0713		

Sample ID: FS 71 2' (H244142-62)

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	07/11/2024	ND	1.88	93.8	2.00	3.29	
Toluene*	<0.050	0.050	07/11/2024	ND	1.89	94.6	2.00	0.710	
Ethylbenzene*	<0.050	0.050	07/11/2024	ND	1.92	96.2	2.00	1.79	
Total Xylenes*	<0.150	0.150	07/11/2024	ND	5.68	94.7	6.00	1.02	
Total BTEX	<0.300	0.300	07/11/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	07/12/2024	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	07/11/2024	ND	202	101	200	2.43	
DRO >C10-C28*	<10.0	10.0	07/11/2024	ND	188	93.9	200	3.27	
EXT DRO >C28-C36	<10.0	10.0	07/11/2024	ND					
Surrogate: 1-Chlorooctane	103	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	97.0	% 49.1-14	8						

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



		ENSOLUM BEN BELILL 3122 NATIONAL PARKS HW CARLSBAD NM, 88220 Fax To:	Y	
Received:	07/11/2024		Sampling Date:	07/10/2024
Reported:	07/12/2024		Sampling Type:	Soil
Project Name:	PLU 20 DTD PAD A		Sampling Condition:	Cool & Intact
Project Number:	03C1558457		Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.20793-103.9	0713		

Sample ID: FS 72 2' (H244142-63)

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	07/11/2024	ND	1.88	93.8	2.00	3.29	
Toluene*	<0.050	0.050	07/11/2024	ND	1.89	94.6	2.00	0.710	
Ethylbenzene*	<0.050	0.050	07/11/2024	ND	1.92	96.2	2.00	1.79	
Total Xylenes*	<0.150	0.150	07/11/2024	ND	5.68	94.7	6.00	1.02	
Total BTEX	<0.300	0.300	07/11/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	07/12/2024	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	07/11/2024	ND	202	101	200	2.43	
DRO >C10-C28*	<10.0	10.0	07/11/2024	ND	188	93.9	200	3.27	
EXT DRO >C28-C36	<10.0	10.0	07/11/2024	ND					
Surrogate: 1-Chlorooctane	105	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	102	% 49.1-14	8						

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



		ENSOLUM BEN BELILL 3122 NATIONAL PARKS HW CARLSBAD NM, 88220 Fax To:	Y	
Received:	07/11/2024		Sampling Date:	07/10/2024
Reported:	07/12/2024		Sampling Type:	Soil
Project Name:	PLU 20 DTD PAD A		Sampling Condition:	Cool & Intact
Project Number:	03C1558457		Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.20793-103.9	0713		

Sample ID: FS 73 2' (H244142-64)

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	07/11/2024	ND	1.88	93.8	2.00	3.29	
Toluene*	<0.050	0.050	07/11/2024	ND	1.89	94.6	2.00	0.710	
Ethylbenzene*	<0.050	0.050	07/11/2024	ND	1.92	96.2	2.00	1.79	
Total Xylenes*	<0.150	0.150	07/11/2024	ND	5.68	94.7	6.00	1.02	
Total BTEX	<0.300	0.300	07/11/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	109	% 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	07/12/2024	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	07/11/2024	ND	202	101	200	2.43	
DRO >C10-C28*	<10.0	10.0	07/11/2024	ND	188	93.9	200	3.27	
EXT DRO >C28-C36	<10.0	10.0	07/11/2024	ND					
Surrogate: 1-Chlorooctane	104	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	101	% 49.1-14	8						

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



		ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:	Y	
Received:	07/11/2024		Sampling Date:	07/10/2024
Reported:	07/12/2024		Sampling Type:	Soil
Project Name:	PLU 20 DTD PAD A		Sampling Condition:	Cool & Intact
Project Number:	03C1558457		Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.20793-103.9	90713		

Sample ID: FS 74 2' (H244142-65)

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	07/11/2024	ND	1.88	93.8	2.00	3.29	
Toluene*	<0.050	0.050	07/11/2024	ND	1.89	94.6	2.00	0.710	
Ethylbenzene*	<0.050	0.050	07/11/2024	ND	1.92	96.2	2.00	1.79	
Total Xylenes*	<0.150	0.150	07/11/2024	ND	5.68	94.7	6.00	1.02	
Total BTEX	<0.300	0.300	07/11/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	07/12/2024	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	07/12/2024	ND	202	101	200	2.43	
DRO >C10-C28*	<10.0	10.0	07/12/2024	ND	188	93.9	200	3.27	
EXT DRO >C28-C36	<10.0	10.0	07/12/2024	ND					
Surrogate: 1-Chlorooctane	93.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	89.7	% 49.1-14	8						

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



	E 3 (ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:	(
Received:	07/11/2024		Sampling Date:	07/10/2024
Reported:	07/12/2024		Sampling Type:	Soil
Project Name:	PLU 20 DTD PAD A		Sampling Condition:	Cool & Intact
Project Number:	03C1558457		Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.20793-103.90	713		

Sample ID: FS 75 2' (H244142-66)

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	07/11/2024	ND	1.88	93.8	2.00	3.29	
Toluene*	<0.050	0.050	07/11/2024	ND	1.89	94.6	2.00	0.710	
Ethylbenzene*	<0.050	0.050	07/11/2024	ND	1.92	96.2	2.00	1.79	
Total Xylenes*	<0.150	0.150	07/11/2024	ND	5.68	94.7	6.00	1.02	
Total BTEX	<0.300	0.300	07/11/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	07/12/2024	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	07/12/2024	ND	202	101	200	2.43	
DRO >C10-C28*	<10.0	10.0	07/12/2024	ND	188	93.9	200	3.27	
EXT DRO >C28-C36	<10.0	10.0	07/12/2024	ND					
Surrogate: 1-Chlorooctane	99.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	95.3	% 49.1-14	8						

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



		ENSOLUM BEN BELILL 3122 NATIONAL PARKS HW CARLSBAD NM, 88220 Fax To:	Y	
Received:	07/11/2024		Sampling Date:	07/10/2024
Reported:	07/12/2024		Sampling Type:	Soil
Project Name:	PLU 20 DTD PAD A		Sampling Condition:	Cool & Intact
Project Number:	03C1558457		Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.20793-103.	.90713		

Sample ID: FS 76 2' (H244142-67)

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	07/11/2024	ND	1.88	93.8	2.00	3.29	
Toluene*	<0.050	0.050	07/11/2024	ND	1.89	94.6	2.00	0.710	
Ethylbenzene*	<0.050	0.050	07/11/2024	ND	1.92	96.2	2.00	1.79	
Total Xylenes*	<0.150	0.150	07/11/2024	ND	5.68	94.7	6.00	1.02	
Total BTEX	<0.300	0.300	07/11/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	07/12/2024	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	07/12/2024	ND	202	101	200	2.43	
DRO >C10-C28*	<10.0	10.0	07/12/2024	ND	188	93.9	200	3.27	
EXT DRO >C28-C36	<10.0	10.0	07/12/2024	ND					
Surrogate: 1-Chlorooctane	103	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	101	% 49.1-14	8						

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



	E 3 (ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:	(
Received:	07/11/2024		Sampling Date:	07/10/2024
Reported:	07/12/2024		Sampling Type:	Soil
Project Name:	PLU 20 DTD PAD A		Sampling Condition:	Cool & Intact
Project Number:	03C1558457		Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.20793-103.90	713		

Sample ID: FS 77 2' (H244142-68)

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	07/11/2024	ND	1.88	93.8	2.00	3.29	
Toluene*	<0.050	0.050	07/11/2024	ND	1.89	94.6	2.00	0.710	
Ethylbenzene*	<0.050	0.050	07/11/2024	ND	1.92	96.2	2.00	1.79	
Total Xylenes*	<0.150	0.150	07/11/2024	ND	5.68	94.7	6.00	1.02	
Total BTEX	<0.300	0.300	07/11/2024	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	112	16.0	07/12/2024	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	07/12/2024	ND	202	101	200	2.43	
DRO >C10-C28*	<10.0	10.0	07/12/2024	ND	188	93.9	200	3.27	
EXT DRO >C28-C36	<10.0	10.0	07/12/2024	ND					
Surrogate: 1-Chlorooctane	99.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	99.2	% 49.1-14	8						

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



		ENSOLUM BEN BELILL 3122 NATIONAL PARKS HW CARLSBAD NM, 88220 Fax To:	Y	
Received:	07/11/2024		Sampling Date:	07/10/2024
Reported:	07/12/2024		Sampling Type:	Soil
Project Name:	PLU 20 DTD PAD A		Sampling Condition:	Cool & Intact
Project Number:	03C1558457		Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.20793-103.	.90713		

Sample ID: FS 78 2' (H244142-69)

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	07/11/2024	ND	1.88	93.8	2.00	3.29	
Toluene*	<0.050	0.050	07/11/2024	ND	1.89	94.6	2.00	0.710	
Ethylbenzene*	<0.050	0.050	07/11/2024	ND	1.92	96.2	2.00	1.79	
Total Xylenes*	<0.150	0.150	07/11/2024	ND	5.68	94.7	6.00	1.02	
Total BTEX	<0.300	0.300	07/11/2024	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	128	16.0	07/12/2024	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	07/12/2024	ND	202	101	200	2.43	
DRO >C10-C28*	<10.0	10.0	07/12/2024	ND	188	93.9	200	3.27	
EXT DRO >C28-C36	<10.0	10.0	07/12/2024	ND					
Surrogate: 1-Chlorooctane	103 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	106 9	% 49.1-14	8						

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



	E 3 (ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:	(
Received:	07/11/2024		Sampling Date:	07/10/2024
Reported:	07/12/2024		Sampling Type:	Soil
Project Name:	PLU 20 DTD PAD A		Sampling Condition:	Cool & Intact
Project Number:	03C1558457		Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.20793-103.90	713		

Sample ID: FS 79 2' (H244142-70)

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	07/11/2024	ND	1.88	93.8	2.00	3.29	
Toluene*	<0.050	0.050	07/11/2024	ND	1.89	94.6	2.00	0.710	
Ethylbenzene*	<0.050	0.050	07/11/2024	ND	1.92	96.2	2.00	1.79	
Total Xylenes*	<0.150	0.150	07/11/2024	ND	5.68	94.7	6.00	1.02	
Total BTEX	<0.300	0.300	07/11/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 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	07/12/2024	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	07/12/2024	ND	202	101	200	2.43	
DRO >C10-C28*	<10.0	10.0	07/12/2024	ND	188	93.9	200	3.27	
EXT DRO >C28-C36	<10.0	10.0	07/12/2024	ND					
Surrogate: 1-Chlorooctane	102	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	102	% 49.1-14	8						

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



		ENSOLUM BEN BELILL 3122 NATIONAL PARKS HW CARLSBAD NM, 88220 Fax To:	Y	
Received:	07/11/2024		Sampling Date:	07/10/2024
Reported:	07/12/2024		Sampling Type:	Soil
Project Name:	PLU 20 DTD PAD A		Sampling Condition:	Cool & Intact
Project Number:	03C1558457		Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.20793-103.	.90713		

Sample ID: FS 80 2' (H244142-71)

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	07/11/2024	ND	1.88	93.8	2.00	3.29	
Toluene*	<0.050	0.050	07/11/2024	ND	1.89	94.6	2.00	0.710	
Ethylbenzene*	<0.050	0.050	07/11/2024	ND	1.92	96.2	2.00	1.79	
Total Xylenes*	<0.150	0.150	07/11/2024	ND	5.68	94.7	6.00	1.02	
Total BTEX	<0.300	0.300	07/11/2024	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	07/12/2024	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	07/12/2024	ND	202	101	200	2.43	
DRO >C10-C28*	<10.0	10.0	07/12/2024	ND	188	93.9	200	3.27	
EXT DRO >C28-C36	<10.0	10.0	07/12/2024	ND					
Surrogate: 1-Chlorooctane	101	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	101	% 49.1-14	8						

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



		ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:	Y	
Received:	07/11/2024		Sampling Date:	07/10/2024
Reported:	07/12/2024		Sampling Type:	Soil
Project Name:	PLU 20 DTD PAD A		Sampling Condition:	Cool & Intact
Project Number:	03C1558457		Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.20793-103.9	90713		

Sample ID: FS 81 2' (H244142-72)

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	07/11/2024	ND	1.88	93.8	2.00	3.29	
Toluene*	<0.050	0.050	07/11/2024	ND	1.89	94.6	2.00	0.710	
Ethylbenzene*	<0.050	0.050	07/11/2024	ND	1.92	96.2	2.00	1.79	
Total Xylenes*	<0.150	0.150	07/11/2024	ND	5.68	94.7	6.00	1.02	
Total BTEX	<0.300	0.300	07/11/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	106 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	07/12/2024	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	07/12/2024	ND	202	101	200	2.43	
DRO >C10-C28*	<10.0	10.0	07/12/2024	ND	188	93.9	200	3.27	
EXT DRO >C28-C36	<10.0	10.0	07/12/2024	ND					
Surrogate: 1-Chlorooctane	101 9	48.2-13	4						
Surrogate: 1-Chlorooctadecane	103 9	% 49.1-14	8						

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



	E 3 (ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:	(
Received:	07/11/2024		Sampling Date:	07/10/2024
Reported:	07/12/2024		Sampling Type:	Soil
Project Name:	PLU 20 DTD PAD A		Sampling Condition:	Cool & Intact
Project Number:	03C1558457		Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.20793-103.90	713		

Sample ID: FS 82 2' (H244142-73)

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	07/12/2024	ND	1.88	93.8	2.00	3.29	
Toluene*	<0.050	0.050	07/12/2024	ND	1.89	94.6	2.00	0.710	
Ethylbenzene*	<0.050	0.050	07/12/2024	ND	1.92	96.2	2.00	1.79	
Total Xylenes*	<0.150	0.150	07/12/2024	ND	5.68	94.7	6.00	1.02	
Total BTEX	<0.300	0.300	07/12/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	07/12/2024	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	07/12/2024	ND	202	101	200	2.43	
DRO >C10-C28*	<10.0	10.0	07/12/2024	ND	188	93.9	200	3.27	
EXT DRO >C28-C36	<10.0	10.0	07/12/2024	ND					
Surrogate: 1-Chlorooctane	95.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	93.1	% 49.1-14	8						

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



		ENSOLUM BEN BELILL 3122 NATIONAL PARKS HW CARLSBAD NM, 88220 Fax To:	Y	
Received:	07/11/2024		Sampling Date:	07/10/2024
Reported:	07/12/2024		Sampling Type:	Soil
Project Name:	PLU 20 DTD PAD A		Sampling Condition:	Cool & Intact
Project Number:	03C1558457		Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.20793-103.	.90713		

Sample ID: FS 83 2' (H244142-74)

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	07/12/2024	ND	1.88	93.8	2.00	3.29	
Toluene*	<0.050	0.050	07/12/2024	ND	1.89	94.6	2.00	0.710	
Ethylbenzene*	<0.050	0.050	07/12/2024	ND	1.92	96.2	2.00	1.79	
Total Xylenes*	<0.150	0.150	07/12/2024	ND	5.68	94.7	6.00	1.02	
Total BTEX	<0.300	0.300	07/12/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	07/12/2024	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	07/12/2024	ND	202	101	200	2.43	
DRO >C10-C28*	<10.0	10.0	07/12/2024	ND	188	93.9	200	3.27	
EXT DRO >C28-C36	<10.0	10.0	07/12/2024	ND					
Surrogate: 1-Chlorooctane	99.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	101 9	% 49.1-14	8						

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



		ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:	Y	
Received:	07/11/2024		Sampling Date:	07/10/2024
Reported:	07/12/2024		Sampling Type:	Soil
Project Name:	PLU 20 DTD PAD A		Sampling Condition:	Cool & Intact
Project Number:	03C1558457		Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.20793-103.90	0713		

Sample ID: FS 84 2' (H244142-75)

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	07/12/2024	ND	1.88	93.8	2.00	3.29	
Toluene*	<0.050	0.050	07/12/2024	ND	1.89	94.6	2.00	0.710	
Ethylbenzene*	<0.050	0.050	07/12/2024	ND	1.92	96.2	2.00	1.79	
Total Xylenes*	<0.150	0.150	07/12/2024	ND	5.68	94.7	6.00	1.02	
Total BTEX	<0.300	0.300	07/12/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	109	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	′kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	07/12/2024	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	07/12/2024	ND	202	101	200	2.43	
DRO >C10-C28*	<10.0	10.0	07/12/2024	ND	188	93.9	200	3.27	
EXT DRO >C28-C36	<10.0	10.0	07/12/2024	ND					
Surrogate: 1-Chlorooctane	103	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	106	% 49.1-14	8						

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Mite Sugar

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



		ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:	Y	
Received:	07/11/2024		Sampling Date:	07/10/2024
Reported:	07/12/2024		Sampling Type:	Soil
Project Name:	PLU 20 DTD PAD A		Sampling Condition:	Cool & Intact
Project Number:	03C1558457		Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.20793-103.90	0713		

Sample ID: FS 85 2' (H244142-76)

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	07/12/2024	ND	1.88	93.8	2.00	3.29	
Toluene*	<0.050	0.050	07/12/2024	ND	1.89	94.6	2.00	0.710	
Ethylbenzene*	<0.050	0.050	07/12/2024	ND	1.92	96.2	2.00	1.79	
Total Xylenes*	<0.150	0.150	07/12/2024	ND	5.68	94.7	6.00	1.02	
Total BTEX	<0.300	0.300	07/12/2024	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	07/12/2024	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	07/12/2024	ND	202	101	200	2.43	
DRO >C10-C28*	<10.0	10.0	07/12/2024	ND	188	93.9	200	3.27	
EXT DRO >C28-C36	<10.0	10.0	07/12/2024	ND					
Surrogate: 1-Chlorooctane	104 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	105 9	% 49.1-14	8						

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



		ENSOLUM BEN BELILL 3122 NATIONAL PARKS HW CARLSBAD NM, 88220 Fax To:	Y	
Received:	07/11/2024		Sampling Date:	07/10/2024
Reported:	07/12/2024		Sampling Type:	Soil
Project Name:	PLU 20 DTD PAD A		Sampling Condition:	Cool & Intact
Project Number:	03C1558457		Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.20793-103.	.90713		

Sample ID: FS 86 2' (H244142-77)

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	07/12/2024	ND	1.83	91.6	2.00	0.544	
Toluene*	<0.050	0.050	07/12/2024	ND	1.88	94.1	2.00	0.947	
Ethylbenzene*	<0.050	0.050	07/12/2024	ND	1.95	97.4	2.00	2.23	
Total Xylenes*	<0.150	0.150	07/12/2024	ND	5.72	95.4	6.00	2.21	
Total BTEX	<0.300	0.300	07/12/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 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	07/12/2024	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	07/11/2024	ND	197	98.3	200	4.41	
DRO >C10-C28*	<10.0	10.0	07/11/2024	ND	204	102	200	6.42	
EXT DRO >C28-C36	<10.0	10.0	07/11/2024	ND					
Surrogate: 1-Chlorooctane	113 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	116 9	% 49.1-14	8						

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



	E 3 (ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:	(
Received:	07/11/2024		Sampling Date:	07/10/2024
Reported:	07/12/2024		Sampling Type:	Soil
Project Name:	PLU 20 DTD PAD A		Sampling Condition:	Cool & Intact
Project Number:	03C1558457		Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.20793-103.90	713		

Sample ID: FS 87 2' (H244142-78)

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	07/12/2024	ND	1.83	91.6	2.00	0.544	
Toluene*	<0.050	0.050	07/12/2024	ND	1.88	94.1	2.00	0.947	
Ethylbenzene*	<0.050	0.050	07/12/2024	ND	1.95	97.4	2.00	2.23	
Total Xylenes*	<0.150	0.150	07/12/2024	ND	5.72	95.4	6.00	2.21	
Total BTEX	<0.300	0.300	07/12/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 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	128	16.0	07/12/2024	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	07/11/2024	ND	197	98.3	200	4.41	
DRO >C10-C28*	<10.0	10.0	07/11/2024	ND	204	102	200	6.42	
EXT DRO >C28-C36	<10.0	10.0	07/11/2024	ND					
Surrogate: 1-Chlorooctane	117 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	119 9	% 49.1-14	8						

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



		ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:	Y	
Received:	07/11/2024		Sampling Date:	07/10/2024
Reported:	07/12/2024		Sampling Type:	Soil
Project Name:	PLU 20 DTD PAD A		Sampling Condition:	Cool & Intact
Project Number:	03C1558457		Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.20793-103.90	0713		

Sample ID: FS 88 2' (H244142-79)

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	07/12/2024	ND	1.83	91.6	2.00	0.544	
Toluene*	<0.050	0.050	07/12/2024	ND	1.88	94.1	2.00	0.947	
Ethylbenzene*	<0.050	0.050	07/12/2024	ND	1.95	97.4	2.00	2.23	
Total Xylenes*	<0.150	0.150	07/12/2024	ND	5.72	95.4	6.00	2.21	
Total BTEX	<0.300	0.300	07/12/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 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	96.0	16.0	07/12/2024	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	07/11/2024	ND	197	98.3	200	4.41	
DRO >C10-C28*	<10.0	10.0	07/11/2024	ND	204	102	200	6.42	
EXT DRO >C28-C36	<10.0	10.0	07/11/2024	ND					
Surrogate: 1-Chlorooctane	110 9	48.2-13	4						
Surrogate: 1-Chlorooctadecane	112 9	% 49.1-14	8						

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



		ENSOLUM BEN BELILL 3122 NATIONAL PARKS HW CARLSBAD NM, 88220 Fax To:	Y	
Received:	07/11/2024		Sampling Date:	07/10/2024
Reported:	07/12/2024		Sampling Type:	Soil
Project Name:	PLU 20 DTD PAD A		Sampling Condition:	Cool & Intact
Project Number:	03C1558457		Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.20793-103.	.90713		

Sample ID: FS 89 2' (H244142-80)

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	07/12/2024	ND	1.83	91.6	2.00	0.544	
Toluene*	<0.050	0.050	07/12/2024	ND	1.88	94.1	2.00	0.947	
Ethylbenzene*	<0.050	0.050	07/12/2024	ND	1.95	97.4	2.00	2.23	
Total Xylenes*	<0.150	0.150	07/12/2024	ND	5.72	95.4	6.00	2.21	
Total BTEX	<0.300	0.300	07/12/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	07/12/2024	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	07/12/2024	ND	197	98.3	200	4.41	
DRO >C10-C28*	<10.0	10.0	07/12/2024	ND	204	102	200	6.42	
EXT DRO >C28-C36	<10.0	10.0	07/12/2024	ND					
Surrogate: 1-Chlorooctane	112 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	116 9	% 49.1-14	8						

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



Notes and Definitions

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

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

Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Ensolum.	n, LLC		BILL TO		ANALYSIS REQUEST	
Project Manager: Ben Belill		-	P.O. #:	_		_
Address: 3122 National Parks	arks Hwy	0	Company: XTO Energy	gy Inc.		_
city: Carlsbad	State:NM z	Zip: 88220	Attn: Amy Ruth			
Phone #: 337 257-8307	Fax #:	A	in	Green St.		
Project #:03C1558457	Project Owner: XTO					_
Project Name: PLU 20 DTD Pad A	D Pad A	Ø	State: NM Zip: 88220	20		_
Project Location:		J				
Sampler Name: Omar Hamdy	Ϋ́Υ	-	Fax #:			
FOR LAB USE ONLY		MATRIX	ESERV.	SAMPLING		_
Lab I.D. Sample I.D.	e I.D. Sample Depth (feet)	NTAINERS UNDWATER EWATER GE	BASE:	I	ORIDE	
H244142	GIRA	# CON GROU	ACID/E	BTE	CHL	
1 ES 09		<	V Allalle	10:02 111		
CFS 12	3	<	V	10:04 VVV		
E CIESIO	2		~	10:06 V V V		
5 SW02	0-2	<	~ ~	1 1 1 50.01		
6 SW03	0-3	V	2	12:27 1 62:21		
2 Smoy	0-2	<	VII	14:10 4 4 4		
o Swos	5-0	<	~	14:12 4 14		
Swo	0-2 4	22	4 A	A A SIM		
analyses. All claims including those for negligence and any service. In no event shall Cardinal be lable for incidental or affiliates or successors arising out of or related to the perform	and any other cause whatsoever and any other cause whatsoever lental or consequental damages e performance of services hereu	ready for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the shall be deterned waived unless made in writing and received by Cardinal within 30 days after completion of the applicable including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subaldantes, order to Cardinal meantime or durbative runn priorie is housd on the more than the incurred by client, its subaldantes,	ed in contract or tort, shall be limited to the amount paid in writing and received by Cardinal within 30 days after interruptions, loss of use, or loss of profits incurred by clie to not vision in board and the standard of the standard o	int paid by the client for the is after completion of the applicable of by client, its subadiaries,		ł
OMOZ	Date://-24 R	Received By:	Caldo .	Verbal Result: Yes All Results are emailed. Pi bbelill@ensolum.com> T	Verbai Result: Yes No Add'I Phone #: All Results are emailed. Please provide Email address: bbelil@ensolum.com> TMnrrissav@ensolum.com	
Relinquished By:	Date: R	Received By:		REMARKS: nAPP2418460531	0531	
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Observed Temp. "C 32	Sample Con Cool Intag	CHECKED BY: 1	Turnaround Time: St Thermometer ID #TT5 #14	Standard Bacteria (only) Sample Condition Rush Cool Intact Observed Temp. °C Tyes Yes	
FURM-000 R 3.2 10/07/21	† Cardinal cann	Cardinal cannot accept verbal changes. Please email changes to celev keep	Ne Please email chan			Ľ
		or accept verbal change	S. Flease email chan			

Page 171 of 286

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

ARDINA

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Relinquished By: Relinquished By: ervice. In no event shall Cardinal be liable for i nalyses, All claims LEASE NOTE: 24HHV2 Sampler Name: Omar Hamdy Project Location: Project Name: PLU 20 DTD Pad A Project #: 03C1558457 City: Phone #: Project Manager: Ben Belil Company Name: Address: 3122 National Parks Hwy OR LAB USE ONLY Lab I.D. mall Carlsbad C 2 8 5 4 337 257-8307 S N out of or related to the 4 25 Sample I.D. 0 23 24 22 Ensolum, LLC 000 and any other cause whatso Pate: 11-24 Time: iental dama Time: Date: Sample Depth J J Fax #: J Project Owner: XTO 0 N N N State: NM N 440 N N (feet) illet us Received By Received By: (G)RAB OR (C)OMP Zip: 88220 # CONTAINERS inless made in writing and received by GROUNDWATER WASTEWATER SOIL MATRIX OIL SUOD SLUDGE loss of use, or loss of profits incurred by client, its sub-OTHER Fax #: State: NM Zip: 88220 P.O. #: Phone #: city: Carlsbad Attn: Amy Ruth Address: 3104 E. Company: XTO Energy Inc ACID/BASE PRESERV C ICE / COOL OTHER BILL TO 30 days after com DATE SAMPLING Green St in a REMARKS: nAPP2418460531 Verbal Result: Ves I No Add'I Phone #: All Results are emailed. Please provide Email address: 0 \$ 0 0 000 00 00 bbeliil@ensolum.com>, TMorrissey@ensolum.com 109 67 2 TIME Se 33 etion of the app 4 BTEX aldeoil TPH CHLORIDE ANALYSIS REQUEST

Received by OCD: 9/26/2024 11:09:04 AM

Observed Temp. "C

U

c.

ected Tem

о С

Sample Condition Cool Intact Pres Pres No No No

CHECKED BY:

Turnaround Time:

mometer ID

are the

4VS

Cool Intact

Observed Temp. °C Corrected Temp. °C

Standard

Bacteria (only) Sample Condition

tion Factor

Cost Center: 2255691001

(Initials)

+

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

ato ries

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Project Manager: Ben Belill		BILL TO		ANALYSIS REQUEST
Address: 3122 National Parks Hwy	WV	P.O. #:		
city: Carlsbad	State: NM	Company: XTO Energy Inc.		
Phone #: 337 257-8307	Fax #:			
Project #: 03C1558457	Project Owner: XTO	Address: 3104 E. Green St.		
Project Name: PLU 20 DTD Pad A				
Project Location:		State: NM Zip: 88220		
Sampler Name: Omar Hamdy		Phone #:		
FOR LAB USE ONLY		Fax #:		
	MP. MATRIX	PRESERV. SAMPLING		
Lab I.D. Sample I.D.	(feet) G)RAB OR (C)OI CONTAINERS ROUNDWATER ASTEWATER DIL IL UDGE	THER : CID/BASE: E/COOL HER :	TEX PH HLORIDE	
21 FS 30	# V S	O AC	E	
22 FS 31	2 C	V 7/0/24920	VVV	
25 51 62	2	922	VVV	
CT FS 33	2	4:25	V V V	
24 14 24	5	V 91.30	000	
27 FS 36	2	0 9:33	210	
£8 53 82	2	1 1/35	140	
88 13 67	2 1 0	ES 16	000	
LEASE NOTE: Lability and Damages. Cardinal's lability and client malyses. All claims including those for regildence and any other on	S S S S S S S S S S S S S S S S S S S	V & 9,42	200	
affinities or successors arising out of or related to the performance of Relinquished By:	Inflance or successors arising out of or related to the performance of services hereunder by Cardinal regardees or whether such claims by: Date: Date:	received by Cardinal within 30 days after complete out as of use, or loss of profits incurred by client, its subsidia based upon any of the above stated reasons or otherwa	n be e applicable ites,	
Umar	Time Uut Anial A	All Results are	emailed. Please prov	Add'I Phone #: de Email address:
nemiquished By:	Date: Received By:	REMARK:	bbeliil@ensolum.com>, TMorrissey@ensolum.com REMARKS: nAPP2418460531	solum.com
Delivered By: (Circle One) Osaa Sampler - UPS - Bus - Other: Corra	Sample Con Cool Intac	CHECKED BY: T	Cost Center: 2255691001 urnaround Time: Standard D	Bacteria (only) Sample Condition Cool Intact Observed Terms of
	t Cardinal cannot accept verbal channer by	Verrection F	setor the int of the	

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

ARDINA

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Sampler - UPS - Bus - Other: Relinquished By: Relinquished By: Delivered By: (Circle One) **BUNICE** LEASE NOTE: Sampler Name: Omar Hamdy Project Location: Project Name: PLU 20 DTD Pad City: Project #: 03C1558457 2+1+1+14 Phone #: Project Manager: Ben Belill Lab I.D. FOR LAB USE ONLY Address: 3122 National Parks Hwy Company Name: in no ≥ craens Carlsbad 27 30 2 36 20 34 ma shall Cardinal be liable including those for 337 257-8307 Sample I.D. Ensolum, LLC for incidenta C and Observed Temp. *C Þ Date: Time: Date: Time: Sample Depth 5 N 2 Fax #: P Project Owner: XTO 5 2 8 0 D State: NM 440 0 11-24 (feet) B S Received By: Received 4 (G)RAB OR (C)OMP Zip: 88220 (N # CONTAINERS Sample Condition Cool Intact Yes 7 Yes No No No GROUNDWATER Dusiness WASTEWATER made in writing and re-MATRIX SOIL OIL SLUDGE loss of use, or loss of profits OTHER Fax #: State: NM Zip: 88220 city: Carlsbad Phone #: P.O. #: Address: 3104 E. Attn: Amy Ruth Company: XTO Energy Inc ACID/BASE PRESERV CHECKED BY: ICE / COOL (Initials OTHER BILL TO within 30 days after DATE SAMPLING by client, its subsidiaries Green St Turnaround Time: t516 9:52 REMARKS: nAPP2418460531 All Results are emailed. 9:55 9:50 10:00 Cost Center: 2255691001 Verbal Result: 10:12 Ô 0 0 bbeliil@ensolum.com>, TMorrissey@ensolum.com TIME th E tion of the applicable 4 BTEX Ves Rush Rush TPH Please provide Email address: CHLORIDE No No Add'l Phone #: ANALYSIS Bacteria (only) Sample Condition REQUEST

Received by OCD: 9/26/2024 11:09:04 AM

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

ter ID Factor 0.5 C

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Ves Ves Cool Intact

Corrected Temp. °C Observed Temp. °C

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

ARDINAL

Project Manager: Ben Belill

Ensolum, LLC

BILL TO

ANALYSIS

Company Name:

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Relinquished By: ervice. In no event shall Ca LEASE NOTE: 2414-24 Sampler Name: Omar Hamdy Project Location: Project Name: PLU 20 DTD Pad Project #: 03C1558457 City: Phone #: Lab I.D. FOR LAB USE ONLY Address: 3122 National Parks Hwy ≥ Carlsbad 337 257-8307 nal be liable for Sample I.D. 52 5 50 5 rense what Þ Sample Depth Fax #: N Project Owner: XTO N N 2 N N 5 V N State: NM V (feet) shall be including 0 (G)RAB OR (C)OMP Zip: 88220 # CONTAINERS inless made in writing and recei GROUNDWATER WASTEWATER C SOIL MATRIX OIL ns, loss of use, SLUDGE OTHER Phone #: State: NM Zip: 88220 Fax #: city: Carlsbad P.O. #: Address: 3104 E. Attn: Amy Ruth Company: XTO Energy Inc ACID/BASE PRESERV ICE / COOL OTHER within 30 days H2/10/24 DATE SAMPLING Green St by the client for the 10:33 10:38 10:27 10:25 040 0 1:17 10:22 10:20 TIME tion of the 50 BTEX TPH CHLORIDE REQUEST

Received by OCD: 9/26/2024 11:09:04 AM

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Date:

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Date: 11-24

Received By:

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Verbal Result:

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Sampler - UPS - Bus - Other:

Delivered By: (Circle One)

Observed Temp. "C

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Time:

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Sample Condition Cool Intact Pres Pres No No No

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(Initials)

Turnaround Time:

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Standard 24

Bacteria (only) Sample Condition

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Cool Intact

Corrected Temp. °C Observed Temp. °C Cost Center: 2255691001

REMARKS: nAPP2418460531

All Results are emailed. Please provide Email address:

bbelill@ensolum.com>, TMorrissey@ensolum.com

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

101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476 10 TIPS

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Project Manager: Ben Belill		BILL TO		ANALYSIS REQUEST
Address: 3122 National Parks Hwy	WY .	P.O. #:		
city: Carlsbad	State: NM Zin: 88220	Company: XTO Energy Inc.	nc.	
Phone #: 337 257-8307				
Project #: 03C1558457	Project Owner: XTO	E. Green	St	
Project Name: PLU 20 DTD Pad A				
Project Location:		State: NM Zip: 88220		
Sampler Name: Omar Hamdy		Phone #:		
FOR LAB USE ONLY		Fax #:		
		PRESERV. SAMPLING		
Lab I.D. Sample I.D.		THER : DID/BASE: E/ COOL HER :	TEX PH HLORIDE	
S1 ES 60	GF W/ SC OII	OT AC ICE	B' TP	
52 65 61	2	V 7/10/24 10:4	2 VVV	
201501	2	10.4	VVVV	
55 67 65	2	1/1. 2	VVV	
56 8665	2 V	V 11.30	VVV	
57 4566	2	V 11/33	VVV	
53855	2	11.36	VVV	
8954 LC	2	V Inthe	VVV	
PLEASE NOTE: Liability and Damages. Cardina's liability and client's exclusive ranalyses. All claims including those for nonlinearies and the security of the	ernedy for any claim arising whether have	V & William	0000	
service. In no event shall Cardinal be liable for incidential or consequential shakesess it filliates or successors arising out of or related to the performance of services heres. Relinquished By:	ver shall be deemed waived unless made in es, including without limitation, business into sunder by Cardinal, regardless of whether i	 convector suit, shall be limited to the amount paid by the client initial and received by Cardinal within 30 days after completion inruptions, loss of use, or loss of profits indurned by client, its subsi- such claim is based upon any offer a houring by client, its subsi- such claim is based upon any offer a houring by client. 	for the of the applicable darles,	
Owe	Time; (11)	All Resu	Verbal Result:	Id'I Phone #:
Relinquished By:	Date: Received Build (dillad of bein	bbelill@ensolum.com>, TMorrissey@ensolum.com	solum.com
		REMAR		
Sampler - UPS - Bus - Other: Carre	Corrocted Temp. "C 53 Sample Condition Corrocted Temp. "C Good Intact	CHECKED BY: T (Initials)	Cost Center: 2255691001	Bacteria (only) Sample Condition Cool Intact Observed Temp. °C
	r Cardinal cannot accept verbal changes. Please email changes to celey keene@cardinallabsnm.com	es. Please email changes to c	eley.keene@cardinallabsnm	LINGLING Corrected Temp. °C

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: [575] 393-2326 FAX (575) 393-2476

Sampler - UPS - Bus - Other: Relinquished By: Delivered By: (Circle One) Relinquished By: LEASE NOTE: Sampler Name: Omar Hamdy In no Project Location: Project Name: PLU 20 DTD Pad A Lab I.D. FOR LAB USE ONLY ^Project #: 03C1558457 City: Phone #: Address: 3122 National Parks Hwy Project Manager: Ben Belill ≧ MO Carlsbad shall Cardinal be) 337 257-8307 10 10 1 EES nts 41 2º Sample I.D. liable for N Ensolum, LLC b Observed Tamp. °C Cor V Other Timegy cause whatsoe acted Temp Time: Date: Date: iental dan Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com U Sample Depth 0 C ٥ N Fax #: Project Owner: XTO N 2 3 State: NM ڻ (feet) shall be de ő Cu Received By: Received By () (G)RAB OR (C)OMP Zip: 88220 # CONTAINERS Sample Condition A Yes A Yes GROUNDWATER made in wreing WASTEWATER 5 5 7 MATRIX SOIL No OIL and SLUDGE loss of use OTHER Phone #: Fax #: State: NM Zip: 88220 city: Carlsbad CHECKED BY: P.O. #: Attn: Amy Ruth Company: XTO Energy Inc. Address: 3104 E. or loss of ACID/BASE PRESERV (Initials) ICE / COOL P OTHER BILL TO 9 DATE 1024 SAMPLING Turnaround Time: client, its subs REMARKS: nAPP2418460531 Green St Verbal Result:
Verbal Result:
Verbal Results are emailed. Please provide Email address: 12:04 Cost Center: 2255691001 12:03 12:0 bbelill@ensolum.com>, TMorrissey@ensolum.com 12:02 11:59 11:56 Sh-m TIME 53 on of the applicable 6 eter ID Saurein BTEX TPH Rush Standard Zyhus CHLORIDE Cool Intact ANALYSIS Bacteria (only) Sample Condition REQUEST Corrected Temp. °C Observed Temp. °C

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Ensolum, LLC		BILL TO		
Project Manager: Ben Belill				ANALISIS REQUEST
Address: 3122 National Parks Hwy	Hwy	Company: XTO Energy Inc	v Inc.	
L D	State:NM Zip: 88220	Attn: Amy Ruth		
Phone #: 33/ 25/-830/	Fax #:	Address: 3104 E. Green	en St.	
Project #: 03C1558457	Project Owner: XTO			
Project Name: PLU 20 DTD Pad A		State: NM Zin· 88220		
Project Location:		IVI		
Sampler Name: Omar Hamdy				
EOD I AD HEE CALLS		Fax #:		
THE PROPERTY AND A PR		PRESERV. SAMPLING	ING	
Lab I.D. Sample I.D.	(feet) Depth (G)RAB OR (C)OM # CONTAINERS GROUNDWATER WASTEWATER SOIL DIL SLUDGE	DTHER : ACID/BASE: CE / COOL DTHER :	BTEX TPH CHLORIDE	
71 45 80	<	t V	VV	
13 17 24	2	× 12	AT V V V	
24 65 83	2	2	V V V V V	
10 FS 84	2 4	0 10	36 VVV	
4257 42	2	V 12	1 1 1 1	
£83382	2	V 10		
88 141	2	V 17:	12 1 1 1	
LEASE NOTE: Lability and Damages. Cardinal's liability and	Clert's exclusive remady for any chain axis whether hands	1 4 12	16 VVV	
winverses, will claims including those for negligence and any otherwise. In no event shall Cardinal be liable for incidental or co fillates or successors arising out of or related to the performa compression of the compression of the transmission of transmission	her cause whatsoever shall be deemed waiwed unless made in writing and received by Cardinal within 30 days after completion of the applicable nsequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred to the subsidiaries, nce of services hereunder by Cardinal, regardless of whether such claim is based upon avoid the above stated services to state and and a service such claims to the subsidiaries.	run, situi pe imited to the amount paid by the received by Cardinal within 30 days after com so fu se, or loss of profits incurred by client, to based upon any of the above stated receiver.	aperal by the client for the applicable by client, the subsidiaries, reasonance of the subsidiaries,	
5	The Heceived By:	///// Ve	Verbal Result: Ves No	Add'l Phone #:
Chi W	ant	1 Alandar	⁹ lease provi 「Morrissey@	e Email address:
	Time: Received By:	RE	REMARKS: nAPP2418460531	
Sampler - UPS - Bus - Other:	Observed Temp. *C 3.3 Sample Condition Corrected Temp. *C Gool Intact Intection	CHECKED BY: T	Turnaround Time Standard Rush	Bacteria (only) Sample Condition
1 ONM-000 K 3.2 10/0//21	† Cardinal cannot accept verbal chang	ges. Please email changes	to celey.keene@cardinallabsn	No
	Cardinal cannot accept verbal c	ges. Please email changes	s to celey.keene@cardinallabsn	Nc No



July 12, 2024

BEN BELILL ENSOLUM 3122 NATIONAL PARKS HWY CARLSBAD, NM 88220

RE: PLU 20 DTD PAD A

Enclosed are the results of analyses for samples received by the laboratory on 07/11/24 14:40.

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/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Whe Singh

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



XTO 32.20793-103.90713

Analytical Results For:

		ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:	Y	
Received:	07/11/2024		Sampling Date:	07/10/2024
Reported:	07/12/2024		Sampling Type:	Soil
Project Name:	PLU 20 DTD PAD A		Sampling Condition:	Cool & Intact
Project Number:	03C1558457		Sample Received By:	Tamara Oldaker

Sample ID: FS 90 2 (H244143-01)

Project Location:

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	07/12/2024	ND	1.83	91.6	2.00	0.544	
Toluene*	<0.050	0.050	07/12/2024	ND	1.88	94.1	2.00	0.947	
Ethylbenzene*	<0.050	0.050	07/12/2024	ND	1.95	97.4	2.00	2.23	
Total Xylenes*	<0.150	0.150	07/12/2024	ND	5.72	95.4	6.00	2.21	
Total BTEX	<0.300	0.300	07/12/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	07/12/2024	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	07/12/2024	ND	197	98.3	200	4.41	
DRO >C10-C28*	<10.0	10.0	07/12/2024	ND	204	102	200	6.42	
EXT DRO >C28-C36	<10.0	10.0	07/12/2024	ND					
Surrogate: 1-Chlorooctane	98.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	101	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Mite Sugar

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


		ENSOLUM BEN BELILL 3122 NATIONAL PARKS HW CARLSBAD NM, 88220 Fax To:	Y	
Received:	07/11/2024		Sampling Date:	07/10/2024
Reported:	07/12/2024		Sampling Type:	Soil
Project Name:	PLU 20 DTD PAD A		Sampling Condition:	Cool & Intact
Project Number:	03C1558457		Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.20793-103.90	1713		

Sample ID: FS 91 2 (H244143-02)

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	07/12/2024	ND	1.83	91.6	2.00	0.544	
Toluene*	<0.050	0.050	07/12/2024	ND	1.88	94.1	2.00	0.947	
Ethylbenzene*	<0.050	0.050	07/12/2024	ND	1.95	97.4	2.00	2.23	
Total Xylenes*	<0.150	0.150	07/12/2024	ND	5.72	95.4	6.00	2.21	
Total BTEX	<0.300	0.300	07/12/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 9	% 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	128	16.0	07/12/2024	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	07/12/2024	ND	197	98.3	200	4.41	
DRO >C10-C28*	<10.0	10.0	07/12/2024	ND	204	102	200	6.42	
EXT DRO >C28-C36	<10.0	10.0	07/12/2024	ND					
Surrogate: 1-Chlorooctane	107 9	48.2-13	4						
Surrogate: 1-Chlorooctadecane	109 9	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Mite Sugar

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



		ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:	(
Received:	07/11/2024		Sampling Date:	07/10/2024
Reported:	07/12/2024		Sampling Type:	Soil
Project Name:	PLU 20 DTD PAD A		Sampling Condition:	Cool & Intact
Project Number:	03C1558457		Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.20793-103.	90713		

Sample ID: FS 92 2 (H244143-03)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/12/2024	ND	1.83	91.6	2.00	0.544	
Toluene*	<0.050	0.050	07/12/2024	ND	1.88	94.1	2.00	0.947	
Ethylbenzene*	<0.050	0.050	07/12/2024	ND	1.95	97.4	2.00	2.23	
Total Xylenes*	<0.150	0.150	07/12/2024	ND	5.72	95.4	6.00	2.21	
Total BTEX	<0.300	0.300	07/12/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 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	128	16.0	07/12/2024	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	07/12/2024	ND	197	98.3	200	4.41	
DRO >C10-C28*	<10.0	10.0	07/12/2024	ND	204	102	200	6.42	
EXT DRO >C28-C36	<10.0	10.0	07/12/2024	ND					
Surrogate: 1-Chlorooctane	109	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	112 9	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Mite Sugar

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



		ENSOLUM BEN BELILL 3122 NATIONAL PARKS HW CARLSBAD NM, 88220 Fax To:	Y	
Received:	07/11/2024		Sampling Date:	07/10/2024
Reported:	07/12/2024		Sampling Type:	Soil
Project Name:	PLU 20 DTD PAD A		Sampling Condition:	Cool & Intact
Project Number:	03C1558457		Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.20793-103.9	90713		

Sample ID: FS 93 2 (H244143-04)

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	07/12/2024	ND	1.83	91.6	2.00	0.544	
Toluene*	<0.050	0.050	07/12/2024	ND	1.88	94.1	2.00	0.947	
Ethylbenzene*	<0.050	0.050	07/12/2024	ND	1.95	97.4	2.00	2.23	
Total Xylenes*	<0.150	0.150	07/12/2024	ND	5.72	95.4	6.00	2.21	
Total BTEX	<0.300	0.300	07/12/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	100	% 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	144	16.0	07/12/2024	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	07/12/2024	ND	197	98.3	200	4.41	
DRO >C10-C28*	<10.0	10.0	07/12/2024	ND	204	102	200	6.42	
EXT DRO >C28-C36	<10.0	10.0	07/12/2024	ND					
Surrogate: 1-Chlorooctane	109	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	111 9	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Mite Sugar

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



		ENSOLUM BEN BELILL 3122 NATIONAL PARKS HW CARLSBAD NM, 88220 Fax To:	Y	
Received:	07/11/2024		Sampling Date:	07/10/2024
Reported:	07/12/2024		Sampling Type:	Soil
Project Name:	PLU 20 DTD PAD A		Sampling Condition:	Cool & Intact
Project Number:	03C1558457		Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.20793-103.	.90713		

Sample ID: FS 94 2 (H244143-05)

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	07/12/2024	ND	1.83	91.6	2.00	0.544	
Toluene*	<0.050	0.050	07/12/2024	ND	1.88	94.1	2.00	0.947	
Ethylbenzene*	<0.050	0.050	07/12/2024	ND	1.95	97.4	2.00	2.23	
Total Xylenes*	<0.150	0.150	07/12/2024	ND	5.72	95.4	6.00	2.21	
Total BTEX	<0.300	0.300	07/12/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 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	07/12/2024	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	07/12/2024	ND	197	98.3	200	4.41	
DRO >C10-C28*	<10.0	10.0	07/12/2024	ND	204	102	200	6.42	
EXT DRO >C28-C36	<10.0	10.0	07/12/2024	ND					
Surrogate: 1-Chlorooctane	120	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	121	% 49.1-14	8						

Cardinal Laboratories

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Mite Sugar

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



		ENSOLUM BEN BELILL 3122 NATIONAL PARKS HW ¹ CARLSBAD NM, 88220 Fax To:	Y	
Received:	07/11/2024		Sampling Date:	07/10/2024
Reported:	07/12/2024		Sampling Type:	Soil
Project Name:	PLU 20 DTD PAD A		Sampling Condition:	Cool & Intact
Project Number:	03C1558457		Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.20793-103.	90713		

Sample ID: FS 95 2 (H244143-06)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/12/2024	ND	1.83	91.6	2.00	0.544	
Toluene*	<0.050	0.050	07/12/2024	ND	1.88	94.1	2.00	0.947	
Ethylbenzene*	<0.050	0.050	07/12/2024	ND	1.95	97.4	2.00	2.23	
Total Xylenes*	<0.150	0.150	07/12/2024	ND	5.72	95.4	6.00	2.21	
Total BTEX	<0.300	0.300	07/12/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 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	144	16.0	07/12/2024	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	07/12/2024	ND	197	98.3	200	4.41	
DRO >C10-C28*	<10.0	10.0	07/12/2024	ND	204	102	200	6.42	
EXT DRO >C28-C36	<10.0	10.0	07/12/2024	ND					
Surrogate: 1-Chlorooctane	114	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	116	% 49.1-14	8						

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Mite Sugar

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



	E 3 (ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:	(
Received:	07/11/2024		Sampling Date:	07/10/2024
Reported:	07/12/2024		Sampling Type:	Soil
Project Name:	PLU 20 DTD PAD A		Sampling Condition:	Cool & Intact
Project Number:	03C1558457		Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.20793-103.90	713		

Sample ID: FS 96 2 (H244143-07)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/12/2024	ND	1.83	91.6	2.00	0.544	
Toluene*	<0.050	0.050	07/12/2024	ND	1.88	94.1	2.00	0.947	
Ethylbenzene*	<0.050	0.050	07/12/2024	ND	1.95	97.4	2.00	2.23	
Total Xylenes*	<0.150	0.150	07/12/2024	ND	5.72	95.4	6.00	2.21	
Total BTEX	<0.300	0.300	07/12/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 9	% 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	144	16.0	07/12/2024	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	07/12/2024	ND	197	98.3	200	4.41	
DRO >C10-C28*	<10.0	10.0	07/12/2024	ND	204	102	200	6.42	
EXT DRO >C28-C36	<10.0	10.0	07/12/2024	ND					
Surrogate: 1-Chlorooctane	90.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	91.1	% 49.1-14	8						

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Mite Sugar

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



		ENSOLUM BEN BELILL 3122 NATIONAL PARKS HW CARLSBAD NM, 88220 Fax To:	Y	
Received:	07/11/2024		Sampling Date:	07/10/2024
Reported:	07/12/2024		Sampling Type:	Soil
Project Name:	PLU 20 DTD PAD A		Sampling Condition:	Cool & Intact
Project Number:	03C1558457		Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.20793-103.9	90713		

Sample ID: FS 97 2 (H244143-08)

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	07/12/2024	ND	1.83	91.6	2.00	0.544	
Toluene*	<0.050	0.050	07/12/2024	ND	1.88	94.1	2.00	0.947	
Ethylbenzene*	<0.050	0.050	07/12/2024	ND	1.95	97.4	2.00	2.23	
Total Xylenes*	<0.150	0.150	07/12/2024	ND	5.72	95.4	6.00	2.21	
Total BTEX	<0.300	0.300	07/12/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 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	96.0	16.0	07/12/2024	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	07/12/2024	ND	197	98.3	200	4.41	
DRO >C10-C28*	<10.0	10.0	07/12/2024	ND	204	102	200	6.42	
EXT DRO >C28-C36	<10.0	10.0	07/12/2024	ND					
Surrogate: 1-Chlorooctane	102	48.2-13	4						
Surrogate: 1-Chlorooctadecane	102	% 49.1-14	8						

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Mite Sugar

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



		ENSOLUM BEN BELILL 3122 NATIONAL PARKS HW ¹ CARLSBAD NM, 88220 Fax To:	Y	
Received:	07/11/2024		Sampling Date:	07/10/2024
Reported:	07/12/2024		Sampling Type:	Soil
Project Name:	PLU 20 DTD PAD A		Sampling Condition:	Cool & Intact
Project Number:	03C1558457		Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.20793-103.	90713		

Sample ID: FS 98 2 (H244143-09)

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	07/12/2024	ND	1.83	91.6	2.00	0.544	
Toluene*	<0.050	0.050	07/12/2024	ND	1.88	94.1	2.00	0.947	
Ethylbenzene*	<0.050	0.050	07/12/2024	ND	1.95	97.4	2.00	2.23	
Total Xylenes*	<0.150	0.150	07/12/2024	ND	5.72	95.4	6.00	2.21	
Total BTEX	<0.300	0.300	07/12/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 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	128	16.0	07/12/2024	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	07/12/2024	ND	197	98.3	200	4.41	
DRO >C10-C28*	<10.0	10.0	07/12/2024	ND	204	102	200	6.42	
EXT DRO >C28-C36	<10.0	10.0	07/12/2024	ND					
Surrogate: 1-Chlorooctane	85.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	85.7	% 49.1-14	8						

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



	E 3 (ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:	(
Received:	07/11/2024		Sampling Date:	07/10/2024
Reported:	07/12/2024		Sampling Type:	Soil
Project Name:	PLU 20 DTD PAD A		Sampling Condition:	Cool & Intact
Project Number:	03C1558457		Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.20793-103.90	713		

Sample ID: FS 99 2 (H244143-10)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/12/2024	ND	1.83	91.6	2.00	0.544	
Toluene*	<0.050	0.050	07/12/2024	ND	1.88	94.1	2.00	0.947	
Ethylbenzene*	<0.050	0.050	07/12/2024	ND	1.95	97.4	2.00	2.23	
Total Xylenes*	<0.150	0.150	07/12/2024	ND	5.72	95.4	6.00	2.21	
Total BTEX	<0.300	0.300	07/12/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 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	07/12/2024	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	07/12/2024	ND	197	98.3	200	4.41	
DRO >C10-C28*	<10.0	10.0	07/12/2024	ND	204	102	200	6.42	
EXT DRO >C28-C36	<10.0	10.0	07/12/2024	ND					
Surrogate: 1-Chlorooctane	111 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	112 9	% 49.1-14	8						

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



		ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:	(
Received:	07/11/2024		Sampling Date:	07/10/2024
Reported:	07/12/2024		Sampling Type:	Soil
Project Name:	PLU 20 DTD PAD A		Sampling Condition:	Cool & Intact
Project Number:	03C1558457		Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.20793-103.	90713		

Sample ID: FS 100 2 (H244143-11)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/12/2024	ND	1.83	91.6	2.00	0.544	
Toluene*	<0.050	0.050	07/12/2024	ND	1.88	94.1	2.00	0.947	
Ethylbenzene*	<0.050	0.050	07/12/2024	ND	1.95	97.4	2.00	2.23	
Total Xylenes*	<0.150	0.150	07/12/2024	ND	5.72	95.4	6.00	2.21	
Total BTEX	<0.300	0.300	07/12/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 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	07/12/2024	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	07/12/2024	ND	197	98.3	200	4.41	
DRO >C10-C28*	<10.0	10.0	07/12/2024	ND	204	102	200	6.42	
EXT DRO >C28-C36	<10.0	10.0	07/12/2024	ND					
Surrogate: 1-Chlorooctane	112 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	114 9	% 49.1-14	8						

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



		ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:	, ,	
Received:	07/11/2024		Sampling Date:	07/10/2024
Reported:	07/12/2024		Sampling Type:	Soil
Project Name:	PLU 20 DTD PAD A		Sampling Condition:	Cool & Intact
Project Number:	03C1558457		Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.20793-103.9	90713		

Sample ID: FS 101 2 (H244143-12)

BTEX 8021B	mg,	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/12/2024	ND	1.83	91.6	2.00	0.544	
Toluene*	<0.050	0.050	07/12/2024	ND	1.88	94.1	2.00	0.947	
Ethylbenzene*	<0.050	0.050	07/12/2024	ND	1.95	97.4	2.00	2.23	
Total Xylenes*	<0.150	0.150	07/12/2024	ND	5.72	95.4	6.00	2.21	
Total BTEX	<0.300	0.300	07/12/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 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	96.0	16.0	07/12/2024	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	07/12/2024	ND	197	98.3	200	4.41	
DRO >C10-C28*	<10.0	10.0	07/12/2024	ND	204	102	200	6.42	
EXT DRO >C28-C36	<10.0	10.0	07/12/2024	ND					
Surrogate: 1-Chlorooctane	110 9	48.2-13	4						
Surrogate: 1-Chlorooctadecane	112 9	% 49.1-14	8						

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



		ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:	, ,	
Received:	07/11/2024		Sampling Date:	07/10/2024
Reported:	07/12/2024		Sampling Type:	Soil
Project Name:	PLU 20 DTD PAD A		Sampling Condition:	Cool & Intact
Project Number:	03C1558457		Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.20793-103.9	90713		

Sample ID: FS 102 2 (H244143-13)

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	07/12/2024	ND	1.83	91.6	2.00	0.544	
Toluene*	<0.050	0.050	07/12/2024	ND	1.88	94.1	2.00	0.947	
Ethylbenzene*	<0.050	0.050	07/12/2024	ND	1.95	97.4	2.00	2.23	
Total Xylenes*	<0.150	0.150	07/12/2024	ND	5.72	95.4	6.00	2.21	
Total BTEX	<0.300	0.300	07/12/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 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	07/12/2024	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	07/12/2024	ND	197	98.3	200	4.41	
DRO >C10-C28*	<10.0	10.0	07/12/2024	ND	204	102	200	6.42	
EXT DRO >C28-C36	<10.0	10.0	07/12/2024	ND					
Surrogate: 1-Chlorooctane	105	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	106	% 49.1-14	8						

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



		ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:	, ,	
Received:	07/11/2024		Sampling Date:	07/10/2024
Reported:	07/12/2024		Sampling Type:	Soil
Project Name:	PLU 20 DTD PAD A		Sampling Condition:	Cool & Intact
Project Number:	03C1558457		Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.20793-103.9	90713		

Sample ID: FS 103 2 (H244143-14)

BTEX 8021B	mg,	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/12/2024	ND	1.83	91.6	2.00	0.544	
Toluene*	<0.050	0.050	07/12/2024	ND	1.88	94.1	2.00	0.947	
Ethylbenzene*	<0.050	0.050	07/12/2024	ND	1.95	97.4	2.00	2.23	
Total Xylenes*	<0.150	0.150	07/12/2024	ND	5.72	95.4	6.00	2.21	
Total BTEX	<0.300	0.300	07/12/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 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	07/12/2024	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	07/12/2024	ND	197	98.3	200	4.41	
DRO >C10-C28*	<10.0	10.0	07/12/2024	ND	204	102	200	6.42	
EXT DRO >C28-C36	<10.0	10.0	07/12/2024	ND					
Surrogate: 1-Chlorooctane	116 9	48.2-13	4						
Surrogate: 1-Chlorooctadecane	116 9	% 49.1-14	8						

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



		ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:	(
Received:	07/11/2024		Sampling Date:	07/10/2024
Reported:	07/12/2024		Sampling Type:	Soil
Project Name:	PLU 20 DTD PAD A		Sampling Condition:	Cool & Intact
Project Number:	03C1558457		Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.20793-103.	90713		

Sample ID: FS 104 2 (H244143-15)

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	07/12/2024	ND	1.83	91.6	2.00	0.544	
Toluene*	<0.050	0.050	07/12/2024	ND	1.88	94.1	2.00	0.947	
Ethylbenzene*	<0.050	0.050	07/12/2024	ND	1.95	97.4	2.00	2.23	
Total Xylenes*	<0.150	0.150	07/12/2024	ND	5.72	95.4	6.00	2.21	
Total BTEX	<0.300	0.300	07/12/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 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	07/12/2024	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	07/12/2024	ND	197	98.3	200	4.41	
DRO >C10-C28*	<10.0	10.0	07/12/2024	ND	204	102	200	6.42	
EXT DRO >C28-C36	<10.0	10.0	07/12/2024	ND					
Surrogate: 1-Chlorooctane	115 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	115 9	% 49.1-14	8						

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



		ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:	Y	
Received:	07/11/2024		Sampling Date:	07/10/2024
Reported:	07/12/2024		Sampling Type:	Soil
Project Name:	PLU 20 DTD PAD A		Sampling Condition:	Cool & Intact
Project Number:	03C1558457		Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.20793-103.9	90713		

Sample ID: FS 105 2 (H244143-16)

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	07/12/2024	ND	1.83	91.6	2.00	0.544	
Toluene*	<0.050	0.050	07/12/2024	ND	1.88	94.1	2.00	0.947	
Ethylbenzene*	<0.050	0.050	07/12/2024	ND	1.95	97.4	2.00	2.23	
Total Xylenes*	<0.150	0.150	07/12/2024	ND	5.72	95.4	6.00	2.21	
Total BTEX	<0.300	0.300	07/12/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 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	128	16.0	07/12/2024	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	07/12/2024	ND	197	98.3	200	4.41	
DRO >C10-C28*	<10.0	10.0	07/12/2024	ND	204	102	200	6.42	
EXT DRO >C28-C36	<10.0	10.0	07/12/2024	ND					
Surrogate: 1-Chlorooctane	115 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	115 9	% 49.1-14	8						

Cardinal Laboratories

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Mite Sugar

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



		ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:	(
Received:	07/11/2024		Sampling Date:	07/10/2024
Reported:	07/12/2024		Sampling Type:	Soil
Project Name:	PLU 20 DTD PAD A		Sampling Condition:	Cool & Intact
Project Number:	03C1558457		Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.20793-103.	90713		

Sample ID: FS 106 2 (H244143-17)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/12/2024	ND	2.01	100	2.00	2.16	
Toluene*	<0.050	0.050	07/12/2024	ND	2.22	111	2.00	2.99	
Ethylbenzene*	<0.050	0.050	07/12/2024	ND	2.32	116	2.00	3.54	
Total Xylenes*	<0.150	0.150	07/12/2024	ND	7.20	120	6.00	2.13	
Total BTEX	<0.300	0.300	07/12/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	111 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	352	16.0	07/12/2024	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	07/12/2024	ND	211	105	200	4.74	
DRO >C10-C28*	<10.0	10.0	07/12/2024	ND	201	101	200	6.74	
EXT DRO >C28-C36	<10.0	10.0	07/12/2024	ND					
Surrogate: 1-Chlorooctane	87.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	90.7	% 49.1-14	8						

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



		ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:	,	
Received:	07/11/2024		Sampling Date:	07/10/2024
Reported:	07/12/2024		Sampling Type:	Soil
Project Name:	PLU 20 DTD PAD A		Sampling Condition:	Cool & Intact
Project Number:	03C1558457		Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.20793-103.	90713		

Sample ID: FS 107 2 (H244143-18)

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	07/12/2024	ND	2.01	100	2.00	2.16	
Toluene*	<0.050	0.050	07/12/2024	ND	2.22	111	2.00	2.99	
Ethylbenzene*	<0.050	0.050	07/12/2024	ND	2.32	116	2.00	3.54	
Total Xylenes*	<0.150	0.150	07/12/2024	ND	7.20	120	6.00	2.13	
Total BTEX	<0.300	0.300	07/12/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	111 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	320	16.0	07/12/2024	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	07/12/2024	ND	211	105	200	4.74	
DRO >C10-C28*	<10.0	10.0	07/12/2024	ND	201	101	200	6.74	
EXT DRO >C28-C36	<10.0	10.0	07/12/2024	ND					
Surrogate: 1-Chlorooctane	91.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	93.6	% 49.1-14	8						

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



		ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:	,	
Received:	07/11/2024		Sampling Date:	07/10/2024
Reported:	07/12/2024		Sampling Type:	Soil
Project Name:	PLU 20 DTD PAD A		Sampling Condition:	Cool & Intact
Project Number:	03C1558457		Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.20793-103.	90713		

Sample ID: FS 108 2 (H244143-19)

BTEX 8021B	mg/	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/12/2024	ND	2.01	100	2.00	2.16	
Toluene*	<0.050	0.050	07/12/2024	ND	2.22	111	2.00	2.99	
Ethylbenzene*	<0.050	0.050	07/12/2024	ND	2.32	116	2.00	3.54	
Total Xylenes*	<0.150	0.150	07/12/2024	ND	7.20	120	6.00	2.13	
Total BTEX	<0.300	0.300	07/12/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	109	% 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	416	16.0	07/12/2024	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	07/12/2024	ND	211	105	200	4.74	
DRO >C10-C28*	<10.0	10.0	07/12/2024	ND	201	101	200	6.74	
EXT DRO >C28-C36	<10.0	10.0	07/12/2024	ND					
Surrogate: 1-Chlorooctane	85.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	87.9	% 49.1-14	8						

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



		ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:	,	
Received:	07/11/2024		Sampling Date:	07/10/2024
Reported:	07/12/2024		Sampling Type:	Soil
Project Name:	PLU 20 DTD PAD A		Sampling Condition:	Cool & Intact
Project Number:	03C1558457		Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.20793-103.	90713		

Sample ID: FS 109 2 (H244143-20)

BTEX 8021B	mg/	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/12/2024	ND	2.01	100	2.00	2.16	
Toluene*	<0.050	0.050	07/12/2024	ND	2.22	111	2.00	2.99	
Ethylbenzene*	<0.050	0.050	07/12/2024	ND	2.32	116	2.00	3.54	
Total Xylenes*	<0.150	0.150	07/12/2024	ND	7.20	120	6.00	2.13	
Total BTEX	<0.300	0.300	07/12/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	111 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	416	16.0	07/12/2024	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	07/12/2024	ND	211	105	200	4.74	
DRO >C10-C28*	<10.0	10.0	07/12/2024	ND	201	101	200	6.74	
EXT DRO >C28-C36	<10.0	10.0	07/12/2024	ND					
Surrogate: 1-Chlorooctane	91.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	94.4	% 49.1-14	8						

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



		ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:	,	
Received:	07/11/2024		Sampling Date:	07/10/2024
Reported:	07/12/2024		Sampling Type:	Soil
Project Name:	PLU 20 DTD PAD A		Sampling Condition:	Cool & Intact
Project Number:	03C1558457		Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.20793-103.	90713		

Sample ID: FS 110 2 (H244143-21)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/12/2024	ND	2.01	100	2.00	2.16	
Toluene*	<0.050	0.050	07/12/2024	ND	2.22	111	2.00	2.99	
Ethylbenzene*	<0.050	0.050	07/12/2024	ND	2.32	116	2.00	3.54	
Total Xylenes*	<0.150	0.150	07/12/2024	ND	7.20	120	6.00	2.13	
Total BTEX	<0.300	0.300	07/12/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	112 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	448	16.0	07/12/2024	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	07/12/2024	ND	211	105	200	4.74	
DRO >C10-C28*	<10.0	10.0	07/12/2024	ND	201	101	200	6.74	
EXT DRO >C28-C36	<10.0	10.0	07/12/2024	ND					
Surrogate: 1-Chlorooctane	85.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	87.9	% 49.1-14	8						

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



		ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:	(
Received:	07/11/2024		Sampling Date:	07/10/2024
Reported:	07/12/2024		Sampling Type:	Soil
Project Name:	PLU 20 DTD PAD A		Sampling Condition:	Cool & Intact
Project Number:	03C1558457		Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.20793-103.9	90713		

Sample ID: FS 111 2 (H244143-22)

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	07/12/2024	ND	2.01	100	2.00	2.16	
Toluene*	<0.050	0.050	07/12/2024	ND	2.22	111	2.00	2.99	
Ethylbenzene*	<0.050	0.050	07/12/2024	ND	2.32	116	2.00	3.54	
Total Xylenes*	<0.150	0.150	07/12/2024	ND	7.20	120	6.00	2.13	
Total BTEX	<0.300	0.300	07/12/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	110 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	432	16.0	07/12/2024	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	07/12/2024	ND	211	105	200	4.74	
DRO >C10-C28*	<10.0	10.0	07/12/2024	ND	201	101	200	6.74	
EXT DRO >C28-C36	<10.0	10.0	07/12/2024	ND					
Surrogate: 1-Chlorooctane	94.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	96.9	% 49.1-14	8						

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



		ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:	,	
Received:	07/11/2024		Sampling Date:	07/10/2024
Reported:	07/12/2024		Sampling Type:	Soil
Project Name:	PLU 20 DTD PAD A		Sampling Condition:	Cool & Intact
Project Number:	03C1558457		Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.20793-103.	90713		

Sample ID: FS 112 2 (H244143-23)

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	07/12/2024	ND	2.01	100	2.00	2.16	
Toluene*	<0.050	0.050	07/12/2024	ND	2.22	111	2.00	2.99	
Ethylbenzene*	<0.050	0.050	07/12/2024	ND	2.32	116	2.00	3.54	
Total Xylenes*	<0.150	0.150	07/12/2024	ND	7.20	120	6.00	2.13	
Total BTEX	<0.300	0.300	07/12/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	110 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	208	16.0	07/12/2024	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	07/12/2024	ND	211	105	200	4.74	
DRO >C10-C28*	<10.0	10.0	07/12/2024	ND	201	101	200	6.74	
EXT DRO >C28-C36	<10.0	10.0	07/12/2024	ND					
Surrogate: 1-Chlorooctane	94.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	96.1	% 49.1-14	8						

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



		ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:	,	
Received:	07/11/2024		Sampling Date:	07/10/2024
Reported:	07/12/2024		Sampling Type:	Soil
Project Name:	PLU 20 DTD PAD A		Sampling Condition:	Cool & Intact
Project Number:	03C1558457		Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.20793-103.	90713		

Sample ID: FS 113 2 (H244143-24)

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	07/12/2024	ND	2.01	100	2.00	2.16	
Toluene*	<0.050	0.050	07/12/2024	ND	2.22	111	2.00	2.99	
Ethylbenzene*	<0.050	0.050	07/12/2024	ND	2.32	116	2.00	3.54	
Total Xylenes*	<0.150	0.150	07/12/2024	ND	7.20	120	6.00	2.13	
Total BTEX	<0.300	0.300	07/12/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	112 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	07/12/2024	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	07/12/2024	ND	211	105	200	4.74	
DRO >C10-C28*	<10.0	10.0	07/12/2024	ND	201	101	200	6.74	
EXT DRO >C28-C36	<10.0	10.0	07/12/2024	ND					
Surrogate: 1-Chlorooctane	82.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	83.5	% 49.1-14	8						

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



		ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:		
Received:	07/11/2024		Sampling Date:	07/10/2024
Reported:	07/12/2024		Sampling Type:	Soil
Project Name:	PLU 20 DTD PAD A		Sampling Condition:	Cool & Intact
Project Number:	03C1558457		Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.20793-103.	90713		

Sample ID: FS 114 2 (H244143-25)

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	07/12/2024	ND	2.01	100	2.00	2.16	
Toluene*	<0.050	0.050	07/12/2024	ND	2.22	111	2.00	2.99	
Ethylbenzene*	<0.050	0.050	07/12/2024	ND	2.32	116	2.00	3.54	
Total Xylenes*	<0.150	0.150	07/12/2024	ND	7.20	120	6.00	2.13	
Total BTEX	<0.300	0.300	07/12/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	114 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	′kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	07/12/2024	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	07/12/2024	ND	211	105	200	4.74	
DRO >C10-C28*	<10.0	10.0	07/12/2024	ND	201	101	200	6.74	
EXT DRO >C28-C36	<10.0	10.0	07/12/2024	ND					
Surrogate: 1-Chlorooctane	94.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	96.7	% 49.1-14	8						

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



		ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:	,	
Received:	07/11/2024		Sampling Date:	07/10/2024
Reported:	07/12/2024		Sampling Type:	Soil
Project Name:	PLU 20 DTD PAD A		Sampling Condition:	Cool & Intact
Project Number:	03C1558457		Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.20793-103.	90713		

Sample ID: FS 115 2 (H244143-26)

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	07/12/2024	ND	2.01	100	2.00	2.16	
Toluene*	<0.050	0.050	07/12/2024	ND	2.22	111	2.00	2.99	
Ethylbenzene*	<0.050	0.050	07/12/2024	ND	2.32	116	2.00	3.54	
Total Xylenes*	<0.150	0.150	07/12/2024	ND	7.20	120	6.00	2.13	
Total BTEX	<0.300	0.300	07/12/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	111 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	112	16.0	07/12/2024	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	07/12/2024	ND	211	105	200	4.74	
DRO >C10-C28*	<10.0	10.0	07/12/2024	ND	201	101	200	6.74	
EXT DRO >C28-C36	<10.0	10.0	07/12/2024	ND					
Surrogate: 1-Chlorooctane	98.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	99.9	% 49.1-14	8						

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



XTO 32.20793-103.90713

Analytical Results For:

		ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:	ſ	
Received:	07/11/2024		Sampling Date:	07/10/2024
Reported:	07/12/2024		Sampling Type:	Soil
Project Name:	PLU 20 DTD PAD A		Sampling Condition:	Cool & Intact
Project Number:	03C1558457		Sample Received By:	Tamara Oldaker

Sample ID: FS 116 2 (H244143-27)

Project Location:

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	07/12/2024	ND	2.01	100	2.00	2.16	
Toluene*	<0.050	0.050	07/12/2024	ND	2.22	111	2.00	2.99	
Ethylbenzene*	<0.050	0.050	07/12/2024	ND	2.32	116	2.00	3.54	
Total Xylenes*	<0.150	0.150	07/12/2024	ND	7.20	120	6.00	2.13	
Total BTEX	<0.300	0.300	07/12/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	112 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	′kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	07/12/2024	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	07/12/2024	ND	211	105	200	4.74	
DRO >C10-C28*	<10.0	10.0	07/12/2024	ND	201	101	200	6.74	
EXT DRO >C28-C36	<10.0	10.0	07/12/2024	ND					
Surrogate: 1-Chlorooctane	84.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	85.4	% 49.1-14	8						

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



		ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:	,	
Received:	07/11/2024		Sampling Date:	07/10/2024
Reported:	07/12/2024		Sampling Type:	Soil
Project Name:	PLU 20 DTD PAD A		Sampling Condition:	Cool & Intact
Project Number:	03C1558457		Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.20793-103.	90713		

Sample ID: FS 117 2 (H244143-28)

BTEX 8021B	mg,	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/12/2024	ND	2.01	100	2.00	2.16	
Toluene*	<0.050	0.050	07/12/2024	ND	2.22	111	2.00	2.99	
Ethylbenzene*	<0.050	0.050	07/12/2024	ND	2.32	116	2.00	3.54	
Total Xylenes*	<0.150	0.150	07/12/2024	ND	7.20	120	6.00	2.13	
Total BTEX	<0.300	0.300	07/12/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	′kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	07/12/2024	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	07/12/2024	ND	211	105	200	4.74	
DRO >C10-C28*	<10.0	10.0	07/12/2024	ND	201	101	200	6.74	
EXT DRO >C28-C36	<10.0	10.0	07/12/2024	ND					
Surrogate: 1-Chlorooctane	86.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	86.9	% 49.1-14	8						

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



		ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:		
Received:	07/11/2024		Sampling Date:	07/10/2024
Reported:	07/12/2024		Sampling Type:	Soil
Project Name:	PLU 20 DTD PAD A		Sampling Condition:	Cool & Intact
Project Number:	03C1558457		Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.20793-103.9	90713		

Sample ID: FS 128 1 (H244143-29)

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	07/12/2024	ND	2.01	100	2.00	2.16	
Toluene*	<0.050	0.050	07/12/2024	ND	2.22	111	2.00	2.99	
Ethylbenzene*	<0.050	0.050	07/12/2024	ND	2.32	116	2.00	3.54	
Total Xylenes*	<0.150	0.150	07/12/2024	ND	7.20	120	6.00	2.13	
Total BTEX	<0.300	0.300	07/12/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	109	% 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	07/12/2024	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	07/12/2024	ND	211	105	200	4.74	
DRO >C10-C28*	<10.0	10.0	07/12/2024	ND	201	101	200	6.74	
EXT DRO >C28-C36	<10.0	10.0	07/12/2024	ND					
Surrogate: 1-Chlorooctane	82.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	82.1	% 49.1-14	8						

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



		ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:	,	
Received:	07/11/2024		Sampling Date:	07/10/2024
Reported:	07/12/2024		Sampling Type:	Soil
Project Name:	PLU 20 DTD PAD A		Sampling Condition:	Cool & Intact
Project Number:	03C1558457		Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.20793-103.	90713		

Sample ID: FS 129 1 (H244143-30)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/12/2024	ND	2.01	100	2.00	2.16	
Toluene*	<0.050	0.050	07/12/2024	ND	2.22	111	2.00	2.99	
Ethylbenzene*	<0.050	0.050	07/12/2024	ND	2.32	116	2.00	3.54	
Total Xylenes*	<0.150	0.150	07/12/2024	ND	7.20	120	6.00	2.13	
Total BTEX	<0.300	0.300	07/12/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	110	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	07/12/2024	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	07/12/2024	ND	211	105	200	4.74	
DRO >C10-C28*	<10.0	10.0	07/12/2024	ND	201	101	200	6.74	
EXT DRO >C28-C36	<10.0	10.0	07/12/2024	ND					
Surrogate: 1-Chlorooctane	89.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	90.2	% 49.1-14	8						

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



		ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:	(
Received:	07/11/2024		Sampling Date:	07/10/2024
Reported:	07/12/2024		Sampling Type:	Soil
Project Name:	PLU 20 DTD PAD A		Sampling Condition:	Cool & Intact
Project Number:	03C1558457		Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.20793-103.	90713		

Sample ID: FS 130 1 (H244143-31)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/12/2024	ND	2.01	100	2.00	2.16	
Toluene*	<0.050	0.050	07/12/2024	ND	2.22	111	2.00	2.99	
Ethylbenzene*	<0.050	0.050	07/12/2024	ND	2.32	116	2.00	3.54	
Total Xylenes*	<0.150	0.150	07/12/2024	ND	7.20	120	6.00	2.13	
Total BTEX	<0.300	0.300	07/12/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	111 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	07/12/2024	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	07/12/2024	ND	211	105	200	4.74	
DRO >C10-C28*	<10.0	10.0	07/12/2024	ND	201	101	200	6.74	
EXT DRO >C28-C36	<10.0	10.0	07/12/2024	ND					
Surrogate: 1-Chlorooctane	85.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	85.8	% 49.1-14	8						

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



		ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:	(
Received:	07/11/2024		Sampling Date:	07/10/2024
Reported:	07/12/2024		Sampling Type:	Soil
Project Name:	PLU 20 DTD PAD A		Sampling Condition:	Cool & Intact
Project Number:	03C1558457		Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.20793-103.9	90713		

Sample ID: FS 131 1 (H244143-32)

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	07/12/2024	ND	2.01	100	2.00	2.16	
Toluene*	<0.050	0.050	07/12/2024	ND	2.22	111	2.00	2.99	
Ethylbenzene*	<0.050	0.050	07/12/2024	ND	2.32	116	2.00	3.54	
Total Xylenes*	<0.150	0.150	07/12/2024	ND	7.20	120	6.00	2.13	
Total BTEX	<0.300	0.300	07/12/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	110 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	07/12/2024	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	07/12/2024	ND	211	105	200	4.74	
DRO >C10-C28*	<10.0	10.0	07/12/2024	ND	201	101	200	6.74	
EXT DRO >C28-C36	<10.0	10.0	07/12/2024	ND					
Surrogate: 1-Chlorooctane	74.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	75.0	% 49.1-14	8						

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



		ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:	(
Received:	07/11/2024		Sampling Date:	07/10/2024
Reported:	07/12/2024		Sampling Type:	Soil
Project Name:	PLU 20 DTD PAD A		Sampling Condition:	Cool & Intact
Project Number:	03C1558457		Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.20793-103.9	90713		

Sample ID: FS 132 1 (H244143-33)

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	07/12/2024	ND	2.01	100	2.00	2.16	
Toluene*	<0.050	0.050	07/12/2024	ND	2.22	111	2.00	2.99	
Ethylbenzene*	<0.050	0.050	07/12/2024	ND	2.32	116	2.00	3.54	
Total Xylenes*	<0.150	0.150	07/12/2024	ND	7.20	120	6.00	2.13	
Total BTEX	<0.300	0.300	07/12/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	110 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	176	16.0	07/12/2024	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	07/12/2024	ND	211	105	200	4.74	
DRO >C10-C28*	<10.0	10.0	07/12/2024	ND	201	101	200	6.74	
EXT DRO >C28-C36	<10.0	10.0	07/12/2024	ND					
Surrogate: 1-Chlorooctane	89.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	89.9	% 49.1-14	8						

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



		ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:	(
Received:	07/11/2024		Sampling Date:	07/10/2024
Reported:	07/12/2024		Sampling Type:	Soil
Project Name:	PLU 20 DTD PAD A		Sampling Condition:	Cool & Intact
Project Number:	03C1558457		Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.20793-103.	90713		

Sample ID: FS 133 1 (H244143-34)

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	07/12/2024	ND	2.01	100	2.00	2.16	
Toluene*	<0.050	0.050	07/12/2024	ND	2.22	111	2.00	2.99	
Ethylbenzene*	<0.050	0.050	07/12/2024	ND	2.32	116	2.00	3.54	
Total Xylenes*	<0.150	0.150	07/12/2024	ND	7.20	120	6.00	2.13	
Total BTEX	<0.300	0.300	07/12/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	110	% 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	07/12/2024	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	07/12/2024	ND	211	105	200	4.74	
DRO >C10-C28*	<10.0	10.0	07/12/2024	ND	201	101	200	6.74	
EXT DRO >C28-C36	<10.0	10.0	07/12/2024	ND					
Surrogate: 1-Chlorooctane	87.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	86.7	% 49.1-14	8						

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



		ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:	(
Received:	07/11/2024		Sampling Date:	07/10/2024
Reported:	07/12/2024		Sampling Type:	Soil
Project Name:	PLU 20 DTD PAD A		Sampling Condition:	Cool & Intact
Project Number:	03C1558457		Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.20793-103.9	90713		

Sample ID: FS 134 1 (H244143-35)

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	07/12/2024	ND	2.01	100	2.00	2.16	
Toluene*	<0.050	0.050	07/12/2024	ND	2.22	111	2.00	2.99	
Ethylbenzene*	<0.050	0.050	07/12/2024	ND	2.32	116	2.00	3.54	
Total Xylenes*	<0.150	0.150	07/12/2024	ND	7.20	120	6.00	2.13	
Total BTEX	<0.300	0.300	07/12/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	112	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	352	16.0	07/12/2024	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	07/12/2024	ND	211	105	200	4.74	
DRO >C10-C28*	<10.0	10.0	07/12/2024	ND	201	101	200	6.74	
EXT DRO >C28-C36	<10.0	10.0	07/12/2024	ND					
Surrogate: 1-Chlorooctane	91.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	90.8	% 49.1-14	8						

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



		ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:	(
Received:	07/11/2024		Sampling Date:	07/10/2024
Reported:	07/12/2024		Sampling Type:	Soil
Project Name:	PLU 20 DTD PAD A		Sampling Condition:	Cool & Intact
Project Number:	03C1558457		Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.20793-103.	90713		

Sample ID: FS 135 1 (H244143-36)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/12/2024	ND	2.01	100	2.00	2.16	
Toluene*	<0.050	0.050	07/12/2024	ND	2.22	111	2.00	2.99	
Ethylbenzene*	<0.050	0.050	07/12/2024	ND	2.32	116	2.00	3.54	
Total Xylenes*	<0.150	0.150	07/12/2024	ND	7.20	120	6.00	2.13	
Total BTEX	<0.300	0.300	07/12/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	113 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	352	16.0	07/12/2024	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	07/12/2024	ND	211	105	200	4.74	
DRO >C10-C28*	<10.0	10.0	07/12/2024	ND	201	101	200	6.74	
EXT DRO >C28-C36	<10.0	10.0	07/12/2024	ND					
Surrogate: 1-Chlorooctane	92.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	93.4	% 49.1-14	8						

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



		ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:	(
Received:	07/11/2024		Sampling Date:	07/10/2024
Reported:	07/12/2024		Sampling Type:	Soil
Project Name:	PLU 20 DTD PAD A		Sampling Condition:	Cool & Intact
Project Number:	03C1558457		Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.20793-103.9	90713		

Sample ID: FS 136 1 (H244143-37)

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	07/12/2024	ND	1.87	93.6	2.00	1.23	
Toluene*	<0.050	0.050	07/12/2024	ND	1.93	96.5	2.00	1.90	
Ethylbenzene*	<0.050	0.050	07/12/2024	ND	2.09	104	2.00	2.50	
Total Xylenes*	<0.150	0.150	07/12/2024	ND	6.16	103	6.00	2.78	
Total BTEX	<0.300	0.300	07/12/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.5	% 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	368	16.0	07/12/2024	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	07/12/2024	ND	190	95.0	200	2.05	
DRO >C10-C28*	<10.0	10.0	07/12/2024	ND	184	92.2	200	2.26	
EXT DRO >C28-C36	<10.0	10.0	07/12/2024	ND					
Surrogate: 1-Chlorooctane	91.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	94.5	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Mite Sugar

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


		ENSOLUM BEN BELILL 3122 NATIONAL PARKS HW ¹ CARLSBAD NM, 88220 Fax To:	Y	
Received:	07/11/2024		Sampling Date:	07/10/2024
Reported:	07/12/2024		Sampling Type:	Soil
Project Name:	PLU 20 DTD PAD A		Sampling Condition:	Cool & Intact
Project Number:	03C1558457		Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.20793-103.	90713		

Sample ID: SW 08 0-2 (H244143-38)

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	07/12/2024	ND	1.87	93.6	2.00	1.23	
Toluene*	<0.050	0.050	07/12/2024	ND	1.93	96.5	2.00	1.90	
Ethylbenzene*	<0.050	0.050	07/12/2024	ND	2.09	104	2.00	2.50	
Total Xylenes*	<0.150	0.150	07/12/2024	ND	6.16	103	6.00	2.78	
Total BTEX	<0.300	0.300	07/12/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.7	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	07/12/2024	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	07/12/2024	ND	190	95.0	200	2.05	
DRO >C10-C28*	<10.0	10.0	07/12/2024	ND	184	92.2	200	2.26	
EXT DRO >C28-C36	<10.0	10.0	07/12/2024	ND					
Surrogate: 1-Chlorooctane	107	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	107	% 49.1-14	8						

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Mite Sugar

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



		ENSOLUM BEN BELILL 3122 NATIONAL PARKS HW ¹ CARLSBAD NM, 88220 Fax To:	Y	
Received:	07/11/2024		Sampling Date:	07/10/2024
Reported:	07/12/2024		Sampling Type:	Soil
Project Name:	PLU 20 DTD PAD A		Sampling Condition:	Cool & Intact
Project Number:	03C1558457		Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.20793-103.	90713		

Sample ID: SW 09 0-2 (H244143-39)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/12/2024	ND	1.87	93.6	2.00	1.23	
Toluene*	<0.050	0.050	07/12/2024	ND	1.93	96.5	2.00	1.90	
Ethylbenzene*	<0.050	0.050	07/12/2024	ND	2.09	104	2.00	2.50	
Total Xylenes*	<0.150	0.150	07/12/2024	ND	6.16	103	6.00	2.78	
Total BTEX	<0.300	0.300	07/12/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.0	% 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	160	16.0	07/12/2024	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	07/12/2024	ND	190	95.0	200	2.05	
DRO >C10-C28*	<10.0	10.0	07/12/2024	ND	184	92.2	200	2.26	
EXT DRO >C28-C36	<10.0	10.0	07/12/2024	ND					
Surrogate: 1-Chlorooctane	109 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	110 9	% 49.1-14	8						

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Mite Sugar

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



		ENSOLUM BEN BELILL 3122 NATIONAL PARKS HW ¹ CARLSBAD NM, 88220 Fax To:	Y	
Received:	07/11/2024		Sampling Date:	07/10/2024
Reported:	07/12/2024		Sampling Type:	Soil
Project Name:	PLU 20 DTD PAD A		Sampling Condition:	Cool & Intact
Project Number:	03C1558457		Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.20793-103.	90713		

Sample ID: SW 10 0-2 (H244143-40)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/12/2024	ND	1.87	93.6	2.00	1.23	
Toluene*	<0.050	0.050	07/12/2024	ND	1.93	96.5	2.00	1.90	
Ethylbenzene*	<0.050	0.050	07/12/2024	ND	2.09	104	2.00	2.50	
Total Xylenes*	<0.150	0.150	07/12/2024	ND	6.16	103	6.00	2.78	
Total BTEX	<0.300	0.300	07/12/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.8	% 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	07/12/2024	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	07/12/2024	ND	190	95.0	200	2.05	
DRO >C10-C28*	<10.0	10.0	07/12/2024	ND	184	92.2	200	2.26	
EXT DRO >C28-C36	<10.0	10.0	07/12/2024	ND					
Surrogate: 1-Chlorooctane	96.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	96.4	% 49.1-14	8						

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*=Accredited Analyte

Mite Sugar

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



		ENSOLUM BEN BELILL 3122 NATIONAL PARKS HW CARLSBAD NM, 88220 Fax To:	Y	
Received:	07/11/2024		Sampling Date:	07/10/2024
Reported:	07/12/2024		Sampling Type:	Soil
Project Name:	PLU 20 DTD PAD A		Sampling Condition:	Cool & Intact
Project Number:	03C1558457		Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.20793-103.	90713		

Sample ID: SW 11 0-2 (H244143-41)

BTEX 8021B	mg/	'kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/12/2024	ND	1.87	93.6	2.00	1.23	
Toluene*	<0.050	0.050	07/12/2024	ND	1.93	96.5	2.00	1.90	
Ethylbenzene*	<0.050	0.050	07/12/2024	ND	2.09	104	2.00	2.50	
Total Xylenes*	<0.150	0.150	07/12/2024	ND	6.16	103	6.00	2.78	
Total BTEX	<0.300	0.300	07/12/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.2	% 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	176	16.0	07/12/2024	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	07/12/2024	ND	190	95.0	200	2.05	
DRO >C10-C28*	<10.0	10.0	07/12/2024	ND	184	92.2	200	2.26	
EXT DRO >C28-C36	<10.0	10.0	07/12/2024	ND					
Surrogate: 1-Chlorooctane	102 9	48.2-13	4						
Surrogate: 1-Chlorooctadecane	102 9	% 49.1-14	8						

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Mite Sugar

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



		ENSOLUM BEN BELILL 3122 NATIONAL PARKS HW CARLSBAD NM, 88220 Fax To:	Y	
Received:	07/11/2024		Sampling Date:	07/10/2024
Reported:	07/12/2024		Sampling Type:	Soil
Project Name:	PLU 20 DTD PAD A		Sampling Condition:	Cool & Intact
Project Number:	03C1558457		Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.20793-103.	90713		

Sample ID: SW 12 0-2 (H244143-42)

BTEX 8021B	mg/	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/12/2024	ND	1.87	93.6	2.00	1.23	
Toluene*	<0.050	0.050	07/12/2024	ND	1.93	96.5	2.00	1.90	
Ethylbenzene*	<0.050	0.050	07/12/2024	ND	2.09	104	2.00	2.50	
Total Xylenes*	<0.150	0.150	07/12/2024	ND	6.16	103	6.00	2.78	
Total BTEX	<0.300	0.300	07/12/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.4	% 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	192	16.0	07/12/2024	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	07/12/2024	ND	190	95.0	200	2.05	
DRO >C10-C28*	<10.0	10.0	07/12/2024	ND	184	92.2	200	2.26	
EXT DRO >C28-C36	<10.0	10.0	07/12/2024	ND					
Surrogate: 1-Chlorooctane	108 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	109 9	% 49.1-14	8						

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Mite Sugar

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



Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C

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

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Mite Sugar

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240

(575) 393-2326 F.	(575) 393-2326 FAX (575) 393-2476				ANALVSIS REOLIEST	EST
Company Name: Encolum 11C			BILL TO			
Project Manager: Ben Belill		P.O. #:	*			
Address: 3122 National Parks Hwy	VV	Com	company: XTO Energy	Inc.		
Carlsbad	State:NM Zip:	88220 Attn:	Attn: Arny Ruth			
City: 00100000 Phone #: 337 257-8307			Address: 3104 E. Green	n St.		
Project #-03C1558457	Project Owner: XTO		city: Carlsbad			
Project Name: PLU 20 DTD Pad A			State: NM Zip: 88220			
Project Location:		Phone #:	ne #:			
sampler Name: Omar Hamdy		Fax #:				
Sampler Name: Office Frances	-	MATRIX	PRESERV. SAMPLING	NG		
FOR LAB USE ONLY		R	2	IDE		
Lab I.D. Sample I.D.	(feet) (S)RAB OR (C)	CONTAINER: BROUNDWAT VASTEWATER SOIL DIL SLUDGE DTHER :	ACID/BASE: ICE / COOL OTHER :	BTEX TPH CHLORI		
1 6 90			V 7/10/24	15:12 × × ×		
2 5691	2 1	V	V			
3 FS 92	2	V	V	12.17		
26 53 4	2	~	~	12.20		
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61595	2	~		11 11 11 11 11 11		
78 24 2	2	V		N'IL V V V		
th 538	2	<	~	151551		
1 2 40	20	V	VH	12:26 11111		
PLEASE NOTE: Lability and Damages. Cardinal's liability and clent's exclusive memory for any clima arising whether outed in contract or sociation within 50 days after completion of the application and any other cancel and any other cancel what because shall be deemed winked understanding there for negligence and any other cancel what because shall be deemed winked understanding to be for negligence and any other cancel what because shall be deemed winked understanding to be for negligence and any other cancel what because the deemed winked understanding to be for negligence and any other cancel what because the deemed winked understanding to be for the deemed winked understanding to be for negligence and any other cancel what are the deemed winked understanding to be for the deemed winked understanding to be for the deemed with the deemed winked understanding to be for the deemed winked understanding to be for the deemed with the deemed winked understanding to be for the deemed winked understanding to be for the deemed with the deemed winked understanding to be for the deemed with the	nd client's exclusive remedy for any claim other cause whatsoever shall be deemed consecuental damages, including without	arising whether based in contract, or tox, online or more one- waived unless made in writing and received by Cardinal within 30 (limitation, business interruptions, loss of use, or loss of profits incu-	use, or loss of profits incurred by clik	completion of the applicable rot, its subsidiaries,		
service. In no event shall Caronal or insure or incommer or affiliates or successors arising out of or related to the perform Relinouished BV:	nance of services hereunder by Cardinal Date: // / Re	Received By:	d upon any of the above stated reas	ilt:	Add'l Phone #: ase provide Email address:	
Omot	12	A WHUTHU	Maddal .	bbelill@ensolum.com>, TMorrissey@ensolum.com	rrissey@ensolum.com	
Relinquished By:	-	Received By:	Jan J	REMARKS: nAPP2418460531	31	
	Time:			69100		Racteria (only) Sample Condition
Delivered By: (Circle One)	Observed Temp. C 33	Sample Con Cool Intac	ED BY: als)	HIY RU	NL	Observed Temp. °C
Sampler - UPS - Bus - Other:	Corrected Temp. *C	No No	40.	Correction Factor 0.5°C	No	Corrected Temp. °C
FURM-000 R 3.2 10/07/21		on the second worked channes. Please email changes to celey.keene@cardinallabsnm.com	e Please email char	mes to celev keene@cardi	inallabsnm.com	

Page 223 of 286

Page 45 of 49

101 East Marland, Hobbs, NM 88240 ralo PS

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Received by OCD: 9/26/2024 11:09:04 AM

PO.#: Po.many: XTO Energy Inc. Address: 3104 E. Green St. City: Carlsbad State: NM Zip: 88220 Phone #: PRESERV SAMPLING Actin/BASE: DATE TIME TIME BTEX State in the second s	(575) 393-2326 F	575) 393-2326 FAX (5/5) 393-2410		DIL TO		ANALYSIS	ISIS REQUEST	EST
Parks Hwy Env #: Company: XTO Energy Inc. State: NM Zip: 88220 Atm: Army Ruth Fax #: Address: 3104 E. Green St. Creen St. Project Owner: XTO State: NM Zip: 88220 Jule 1.D. Sample Depth MATRIX PRESERV Sample Depth GROUNDWATER Prote: # Jule 1.D. Sample Depth GROUNDWATER 2 Q GROUNDWATER 3 SOIL GROUNDWATER 2 Q GROUNDWATER 2 Q GROUNDWATER 3 SOIL GROUNDWATER 3 SOIL GROUNDWATER 3 GROUNDWATER SOIL 3 GROUNDWATER SOIL 3 GROUNDWATER GROUNDWATER 3 GROUNDWATER GROUNDWATER 3 GROUNDWATER SOIL 4			2	DIFF	-	-		-
Base: 3122: National Parks Hwy State: NM Zip: 68220 Am: Amy Ruh Carlsbad State: NM Zip: 68220 Address: 3104 E. Green SL cip: Carlsbad Base: PLU 20 DTD Pad A Project Owner: XTO State: NM Zip: Carlsbad per kane: PLU 20 DTD Pad A Sample Doph Sample Doph State: NM Zip: Carlsbad per kane: Ornar Hamdy Prosserv Prosserv Prosserv Sample Doph get kone: Conar Hamdy Prosserv Prosserv Sample Doph Prosserv get kone: Conar Hamdy Prosserv Prosserv Sample Doph Prosserv get kone: Conar Hamdy Prosserv Prosserv Sample Doph Prosserv get kone: Conar Hamdy Prosserv Prosserv Sample Doph Prosserv get kone: Conar Hamdy Prosserv Prosserv Sample Doph Prosserv get kone: Conar Hamdy Prosserv Prosserv Sample Doph Prosserv get kone: Conar Hamdy Prosserv Prosserv Sample Doph Prosserv get kone: Conar Hamdy Prosserv Prosserv Sample Doph Prosserv get kone: Conar Hamdy Prosserv Prosserv Prosserv Prosserv get kone: Conar Hamdy Prosserv Prosserv<	Project Manager: Ben Belill		P.U. 1	3				
Carlsbad State: NM Zip: 88220 Am: Amy Ruin ag: 337 257 Fro al: Project Owner; XTO State: NM Zip: 68220 text.coation: Project Owner; XTO State: NM Zip: 68220 Project Owner; XTO text.coation: Project Owner; XTO State: NM Zip: 68220 part Amme: Ornar Hamdy Project Owner; XTO State: NM Zip: 68220 part Amme: Ornar Hamdy Project Owner; XTO Project Owner; XTO Project Owner; XTO ga: Romo: Ornar Hamdy Project Owner; XTO Project Owner; XTO Project Owner; XTO ga: Romo: Ornar Hamdy Sample Deeph (Owner; XTO Project Owner; XTO Project Owner; XTO ga: Romo: Ornar Hamdy Sample Deeph (Owner; XTO Project Owner; XTO Project Owner; XTO ga: Romo: Ornar Hamdy Sample Deeph (Owner; XTO Project Owner; XTO Project Owner; XTO ga: Romo: Ornar Hamdy Sample Deeph (Owner; XTO Project Owner; XTO Project Owner; XTO ga: Romo: Ornar Hamdy Sample Deeph (Owner; XTO Project Owner; XTO Project Owner; XTO ga: Romo: Ornar Hamdy Sample Deeph (Owner; XTO Project Owner; XTO Project Owner; XTO ga: Romo: Owner; Rowo: Owner; Rowner; Rowo: Owner; Rowo: Owner; Ro	arks	NY	Com	pany: XTO Energy	Inc.			
a.g.: 337 257-8307 Fax #: Address: 3104 E: Green St. ret. ret. Crig: Carl:S00 Crig: Carl:S00 Crig: Carl:S00 ret. Sample Depth Sample Depth Name: Prome #: pier Name: Crig: Carl:S00 Sample Depth Crig: Carl:S00 pier Name: Crig: Carl:S00 Sample Depth Fax #: pier Name: Crig: Carl:S00 Fax #: Fax #: pier Name: Carl:S00 Fax #: Fax #: Fax #: pier Name: Carl:S00 Carl:S00 Fax #: Fax #: pier Name: Carl:S00 Carl:S00 Fax #: Fax #: pier Name: Fax #: Fax #: Fax #: Fax #: pier Name: Fax #: Fa	Titur Carlsbad			Amy Ruth				
Project Owner: XTO City: Carlsbad amdy Sample Depth State: NM_ZIP: 86220 mny Fax #: Phone #: mny Fax #: Sample Depth (feet) Sample Depth Fax #: mny Fax #: Sample Depth (feet) GRACUNDWATER Fax #: and 2 GRACUNDWATER Fax #: and 2 GRACUNDWATER Sample Depth and 2 GRACUNDWATER Sample Depth and 2 GRACUNDWATER Fax #: and 2 GRACUNDWATER Sample Depth and 2 GRACUNDWATER Sample Depth and 2 GRACUNDWATER Fax #: and 3	ie #:			iu	n St.			
OTD Pad A State: NM Zup: Bit EX andy Far.# Far.# Far.# Far.# andy Far.# Far.# Far.# Far.# andy Far.# Far.# Far.# Far.# andy Far.# Far.# Sample Depth Far.# Sample LD. Sample Depth GGROUNDWATER Far.# A Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q <td< td=""><td>project #: 03C1558457</td><td>Project Owner: XTO</td><td>City:</td><td>Carlsbad</td><td></td><td>_</td><td></td><td></td></td<>	project #: 03C1558457	Project Owner: XTO	City:	Carlsbad		_		
Phone #: Ex.#: Fine #: Fine #: F	DTD Pad		State	MN				
I.D. Sample Depth (feet) MATRIX PRESERV PRESERV SAMPLING 1.D. Sample Depth (feet) (G)RAB OR (C)OMP. (G)RAB OR (C)OMP. 1.D. Sample Depth (feet) (G)RAB OR (C)OMP. (G)RAB OR (C)OMP. 1.D. Sample Depth (feet) (G)RAB OR (C)OMP. (G)RAB OR (C)OMP. 2.2 (G)RAB OR (C)OMP. (G)RAB OR (C)OMP. (G)RAB OR (C)OMP. 2.3 (G)RAB OR (C)OMP. (G)RAB OR (C)OMP. (G)RAB OR (C)OMP. 2.4 (G)RAB OR (C)OMP. (G)RAB OR (C)OMP. (G)RAB OR (C)OMP. 2.3 (G)RAB OR (C)OMP. (G)RAB OR (C)OMP. (G)RAB OR (C)OMP. 2.4 (G)RAB OR (C)OMP. (G)RAB OR (C)OMP. (G)RAB OR (C)OMP. 2.3 (G)RAB OR (C)OMP. (G)RAB OR (C)OMP. (G)RAB OR (C)OMP. 2.4 (G)RAB OR (C)OMP. (G)RAB OR (C)OMP. (G)RAB OR (C)OMP. 2.5 (G)RAB OR (C)OMP. (G)RAB OR (C)OMP. (G)RAB OR (C)OMP. 2.4 (G)RAB OR (C)OMP. (G)RAB OR (C)OMP. (G)RAB OR (C)OMP. 2.5 (G)RAB OR (C)OMP. (G)RAB OR (C)OMP. (G)RAB OR (C)OMP. 3.5 (G)RAB OR (C)OMP. (G)RAB OR (C)OMP. (G)RAB OR (C)OMP. 3.5 (G)RAB OR (C)OMP. (G)RAB OR (C)OMP. (G)RAB OR (C)OMP. 3.6	Project Location:		Phor	ne #:				
I.D. Sample Depth (feet) MATRIX PRESERV SAMPLING Sample Depth (feet) Sample Depth (feet) MATRIX PRESERV SAMPLING I.D. Sample Depth (feet) (G)(PAB OR (C)OMP. TIME TIME TIME 2.2 (G)(PAB OR (C)OMP. (G)(PAB OR (C)OMP. DATE TIME TIME 2.2 (G)(PAB OR (C)OMP. (G)(PAB OR (C)OMP. DATE TIME TIME 2.2 (G)(PAB OR (C)OMP. (G)(PAB OR (C)OMP. (G)(PAB OR (C)OMP. (G)(PAB OR (C)OMP. 2.2 (G)(PAB OR (C)OMP. (G)(PAB OR (C)OMP. (G)(PAB OR (C)OMP. (G)(PAB OR (C)OMP. 2.2 (G)(PAB OR (C)OMP. (G)(PAB OR (C)OMP. (G)(PAB OR (C)OMP. (G)(PAB OR (C)OMP. 2.2 (G)(PAB OR (C)OMP. (G)(PAB OR (C)OMP. (G)(PAB OR (C)OMP. (G)(PAB OR (C)OMP. 2.2 (G)(PAB OR (C)OMP. (G)(PAB OR (C)OMP. (G)(PAB OR (C)OMP. (G)(PAB OR (C)OMP. 2.3 (G)(PAB OR (C)OMP. (G)(PAB OR (C)OMP. (G)(PAB OR (C)OMP. (G)(PAB OR (C)OMP. 2.3 (G)(PAB OR (C)OMP. (G)(PAB OR (C)OMP. (G)(PAB OR (C)OMP. (G)(PAB OR (C)OMP. 2.4 (G)(PAB OR (C)OMP. (G)(PAB OR (C)OMP. (G)(PAB OR (C)OMP. (G)(PAB OR (C)OMP. 2.4 (G)(PAB OR (C)OMP. </td <td>Sampler Name: Omar Hamdy</td> <td></td> <td>Fax #</td> <td></td> <td></td> <td></td> <td></td> <td>_</td>	Sampler Name: Omar Hamdy		Fax #					_
Sample I.D. Sample Depth (feet) (feet) (feet) (feet) (feet) (feet) (feet) (feet) (feet) (feet) (feet) (feet) (feet) (feet) (feet) (feet) (feet) (feet) (feet) (feet) (feet) (feet) (feet) (feet) (feet) (feet) (feet) (feet)					ING	_		
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Out of or reasons of the sections is based upon any of the approx of th	PLEASE NOTE: Liability and Damages. Cardinal's liability and analyses. All claims including those for notigence and any of analyses. All claims including those for incidental for co-	d client's exclusive remedy for any claim at ther cause whatsoever shall be deemed w onsequental damages, including without lin	rising whether based in contract or tort, a aived unless made in writing and receive mitation, business interruptions, loss of u	shall be limited to the amount paid ad by Cardinal within 30 days after se, or loss of profits incurred by cli				
Time: Time: Received By: Utility Date: Received By: <	affiates or successors arising out of or related to the performing out of other performing out of other performing out of other performing out of other performance out of other	Date: 11.24 Rec	eived By:	upon any of the above stated res	19 1	ase provide Em	Phone #: ail address:	
Date: Received By: Remarks: napp2418460531 Time: Time: Cost Center: 2255691001 Cle One) Observed Temp.*C 3.3 Sample Condition CHECKED BY: Turnaround Time: Standard Bacteria (only) S Cle One) Observed Temp.*C 3.3 Cool Intact (Initials) Turnaround Time: Standard Bacteria (only) S	anor		V Wenney	1 had had	bbelill@ensolum.com>, Ti	Morrissey@ensolu	Im.com	
Time: Cost Center: 2255691001 Observes Temp: *C 33 Sample Condition CHECKED BY: Turnaround Time: Standard Cool Intact (Initials)	Relinquished By:	atu	erved By:	June	REMARKS: nAPP2418460	0531		
Observed Temp. °C 33 Sample Condition CHECKED BY: Turnaround Time: Standard Cool Intact (Initials)		Time:			69100		Pactoria (only)	Sample Condition
	Delivered By: (Circle One)	ĉ		(Initials)	4	5	Cool Intact	Observed Temp. °C

Page 46 of 49

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Received by OCD: 9/26/2024 11:09:04 AM

Company Name: Ensolum, LLC Project Manager: Ben Belill	łwy	P.O. #	BILL TO #: hpany: XTO Energy	Inc.	ANALTSIS	
Address: 3122 National Parks Hwy	State-NM	Zin: 88220 Attn	Company: XTO Energy Attn: Amy Ruth	Inc.		
City: Caliboration 337 257-8307			Address: 3104 E. Green	n St.		
0	Project Owner: XTO		city: Carlsbad			
Project Name: PLU 20 DTD Pad A		State:	te: NM Zip: 88220			
Project Location:		Pho	Phone #:			
Sampler Name: Omar Hamdy		Fax #:				
	-	MATRIX	PRESERV. SAMPLING	ING	_	
Lab I.D. Sample I.D.	(feet) (G)RAB OR (C)OMP.	SLUDGE OTHER :		BTEX TPH	CHLORIDE	
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Relinquished By:	mance of services hereu	Received By:	ed upon any of the above stated reas	Add'I Phone #: All Results are emailed. Please provide Email address: bbelili@ensolum.com>, TMorrissey@ensolum.com	VNo Add" Please provide En TMorrissey@enso	Add'l Phone #: ide Email address: @ensolum.com
Relinquished By:	te	Received By:	and the	REMARKS: nAPP2418460531	60531	
	5		CHECKED BY:	225569100 ime:		ly) S
Delivered By: (Circle One)	Observed Temp. "C 33	Sample Condition Cool Intact Yes Yes	(Initials)	Turnaround Time:	Rush Rush Rush	Cool Intact Observed Temp. °C Yes Yes No Corrected Temp. °C



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Received by OCD: 9/26/2024 11:09:04 AM

(3/3) 323-2320 FMA (2/2) 200-210	un (a) and	BILL TO	ANALYSIS REQUEST	-
Company Name: Ensolum, LLC				
Project Manager: Ben Belill		TTO Enormy		
Address: 3122 National Parks Hwy	WY	Energy		
city: Carlsbad	State:NM Zip: 88220	13		
P		Address: 3104 E. Green	1 St.	
Project #: 03C1558457	Project Owner: XTO	city: Carlsbad		_
Project Name: PLU 20 DTD Pad A		State: NM Zip: 88220		
		Phone #:		_
Project Location:		Eav #:		_
Sampler Name: Omar Hamdy		Ta		_
FOR LAB USE ONLY		PRESERV.		
Lab I.D. Sample I.D.	(feet) (G)RAB OR (C)OM # CONTAINERS GROUNDWATER WASTEWATER SOIL	OIL SLUDGE OTHER : ACID/BASE: ICE / COOL OTHER :	BTEX TPH CHLORIDE	
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affiliates or successors arising out of or related to the performance of the performance	ĮŠ į	such claim is based upon any of the above stated reas:	Au Doeute are emailed. Please provide Email address:	
Com Buy	1 of	way alla had	bbelili@ensolum.com>, TMorrissey@ensolum.com	
Relinquished By:	Date: Received By:	The Marken all	REMARKS: nAPP2418460531	
	Time:		1001	ndition
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Observed Temp. °C 33 Cooper Corrected Temp. °C 34 Yes	Condition CHECKED BY: Intact (Initials)	Standard Bacteria (only) s Rush Cool Intact 24 4/5 9/61 Yes	ample Condition Observed Temp. °C Corrected Temp. °C
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Page 226 of 286

aboratories

Released to Imaging: 10/10/2024 2:45:23 PM

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

		04 1 11 C		ANAI VSIS REQUEST
Company Name: Ensolum, LLC		DILL IV		
Project Manager: Ben Belill		P.O. #:		
Address: 3122 National Parks Hwy	łwy	company: XTO Energy Inc.	gy Inc.	
city: Carlsbad	State:NM Zip: 88220	Attn: Amy Ruth		
Phone #: 337 257-8307	Fax #:	Address: 3104 E. Grt	Green St.	
Project #: 03C1558457	Project Owner: XTO	city: Carlsbad		
Project Name: PLU 20 DTD Pad	A	State: NM Zip: 88220	20	
Project Location:		Phone #:		
Sampler Name: Omar Hamdy		Fax #:		
FOR LAB USE ONLY	MATRIX	PRESERV. SAM	SAMPLING	
Lab I.D. Sample I.D.	(feet) (G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL	SLUDGE OTHER : ACID/BASE: ICE / COOL OTHER :	BTEX TPH CHLORIDE	
41 Sw 11	-	herite ~	14:38 V V V	
			R.	
PLEASE NOTE: Liability and Damages. Cardinat's lability a analyses. At claims including those for negligance and any service. In no event shall Cardinal be liable for incidental or service. In no event shall Cardinal be liable for incidental or service. In no event shall Cardinal be liable for incidental or service. In no event shall Cardinal be liable for incidental or service. In no event shall Cardinal be liable for incidental or service. In no event shall Cardinal be liable for incidental or service. In no event shall Cardinal be liable for incidental or service. In no event shall Cardinal be liable for incidental or service. In no event shall Cardinal be liable for incidental or service. In no event shall Cardinal be liable for incidental or service. In no event shall Cardinal be liable for incidental or service. In no event shall Cardinal be liable for incidental or service. In no event shall Cardinal be liable for incidental or service. In no event shall Cardinal be liable for incidental or service. In no event shall Cardinal be liable for incidental or service. In no event shall Cardinal be liable for incidental or service. In no event shall Cardinal be liable for incidental or service. In no event shall Cardinal be liable for incidental or service. In no event shall Cardinal be liable for incidental or service. In no event shall cardinal be liable for service.	PLEASE NOTE: Liability and Damages. Condinan's liability and client's exclusive remedy for any claim mixing whether based in contract or tort, shall be limited to the amount puld by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unitses much in writing and received by Caedina's within 30 days after completion of the applicit analyses. In no event shall Cardina be liable for incontract consequential dimages, including vetrout limitation, business interruptons, loss of use, or loss of profits incurred by client, its subaidanies,	tract or tort, shall be limited to fina amount p a and received by Cardinal within 30 days at yra, loas of use, or loss of profits incurred by	aid by the client for the fer completion of the applicable r client, its subeidiaries,	
Relinquished By:	Date: 7-//-24 Received By: Time: 400	1 Malatt	Verbai Result: Yes No Add'I Phone #: All Results are emailed. Please provide Email address: bbelill@ensolum.com>, TMorrissey@ensolum.com	Add'I Phone #: ovide Email address: y@ensolum.com
Relinquished By:	Date: Received By: Time:)	418	
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Corrected Temp. *C 33 Sample Condition Corrected Temp. *C Pres 7 Yes	ndition CHECKED BY: ct (Initials) Yes f	Turnaround Time: Standard H H Rush Thermometer ID HAS Correction Factor 98°C 24 hv	Bacteria (only) Sample Condution Cool Intact Observed Temp. °C Tytes Yes Nc No Corrected Temp. °C

Received by OCD: 9/26/2024 11:09:04 AM

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

oratories



July 12, 2024

BEN BELILL ENSOLUM 3122 NATIONAL PARKS HWY CARLSBAD, NM 88220

RE: PLU 20 DTD PAD A

Enclosed are the results of analyses for samples received by the laboratory on 07/11/24 15:25.

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.

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

Sincerely,

Whe Singh

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



		ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:	(
Received:	07/11/2024		Sampling Date:	07/11/2024
Reported:	07/12/2024		Sampling Type:	Soil
Project Name:	PLU 20 DTD PAD A		Sampling Condition:	Cool & Intact
Project Number:	03C1558457		Sample Received By:	Alyssa Parras

XTO 32.20793-103.90713

Sample ID: FS 118 2' (H244160-01)

Project Location:

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Benzene*	<0.050	0.050	07/12/2024	ND	1.87	93.6	2.00	1.23	
Toluene*	<0.050	0.050	07/12/2024	ND	1.93	96.5	2.00	1.90	
Ethylbenzene*	<0.050	0.050	07/12/2024	ND	2.09	104	2.00	2.50	
Total Xylenes*	<0.150	0.150	07/12/2024	ND	6.16	103	6.00	2.78	
Total BTEX	<0.300	0.300	07/12/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.1	% 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	256	16.0	07/12/2024	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	Qualifie
GRO C6-C10*	<10.0	10.0	07/11/2024	ND	199	99.5	200	2.36	
DRO >C10-C28*	<10.0	10.0	07/11/2024	ND	173	86.7	200	3.37	
EXT DRO >C28-C36	<10.0	10.0	07/11/2024	ND					
Surrogate: 1-Chlorooctane	102	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	124	% 49.1-14	0						

Cardinal Laboratories

*=Accredited Analyte

Mite Sugar

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



		ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:	,	
Received:	07/11/2024		Sampling Date:	07/11/2024
Reported:	07/12/2024		Sampling Type:	Soil
Project Name:	PLU 20 DTD PAD A		Sampling Condition:	Cool & Intact
Project Number:	03C1558457		Sample Received By:	Alyssa Parras
Project Location:	XTO 32.20793-103.	90713		

Sample ID: FS 119 2' (H244160-02)

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	07/12/2024	ND	1.87	93.6	2.00	1.23	
Toluene*	<0.050	0.050	07/12/2024	ND	1.93	96.5	2.00	1.90	
Ethylbenzene*	<0.050	0.050	07/12/2024	ND	2.09	104	2.00	2.50	
Total Xylenes*	<0.150	0.150	07/12/2024	ND	6.16	103	6.00	2.78	
Total BTEX	<0.300	0.300	07/12/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.5	% 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	320	16.0	07/12/2024	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	07/11/2024	ND	199	99.5	200	2.36	
DRO >C10-C28*	<10.0	10.0	07/11/2024	ND	173	86.7	200	3.37	
EXT DRO >C28-C36	<10.0	10.0	07/11/2024	ND					
Surrogate: 1-Chlorooctane	108	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	129	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Mite Sugar

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



		ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:	,	
Received:	07/11/2024		Sampling Date:	07/11/2024
Reported:	07/12/2024		Sampling Type:	Soil
Project Name:	PLU 20 DTD PAD A		Sampling Condition:	Cool & Intact
Project Number:	03C1558457		Sample Received By:	Alyssa Parras
Project Location:	XTO 32.20793-103.	90713		

Sample ID: FS 120 2' (H244160-03)

BTEX 8021B	mg/	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/12/2024	ND	1.87	93.6	2.00	1.23	
Toluene*	<0.050	0.050	07/12/2024	ND	1.93	96.5	2.00	1.90	
Ethylbenzene*	<0.050	0.050	07/12/2024	ND	2.09	104	2.00	2.50	
Total Xylenes*	<0.150	0.150	07/12/2024	ND	6.16	103	6.00	2.78	
Total BTEX	<0.300	0.300	07/12/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.2	% 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	176	16.0	07/12/2024	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	07/11/2024	ND	199	99.5	200	2.36	
DRO >C10-C28*	<10.0	10.0	07/11/2024	ND	173	86.7	200	3.37	
EXT DRO >C28-C36	<10.0	10.0	07/11/2024	ND					
Surrogate: 1-Chlorooctane	101 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	119 9	% 49.1-14	8						

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*=Accredited Analyte

Mite Sugar

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



		ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:	,	
Received:	07/11/2024		Sampling Date:	07/11/2024
Reported:	07/12/2024		Sampling Type:	Soil
Project Name:	PLU 20 DTD PAD A		Sampling Condition:	Cool & Intact
Project Number:	03C1558457		Sample Received By:	Alyssa Parras
Project Location:	XTO 32.20793-103.	90713		

Sample ID: FS 121 2' (H244160-04)

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	07/12/2024	ND	1.87	93.6	2.00	1.23	
Toluene*	<0.050	0.050	07/12/2024	ND	1.93	96.5	2.00	1.90	
Ethylbenzene*	<0.050	0.050	07/12/2024	ND	2.09	104	2.00	2.50	
Total Xylenes*	<0.150	0.150	07/12/2024	ND	6.16	103	6.00	2.78	
Total BTEX	<0.300	0.300	07/12/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.1	% 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	304	16.0	07/12/2024	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	07/11/2024	ND	199	99.5	200	2.36	
DRO >C10-C28*	<10.0	10.0	07/11/2024	ND	173	86.7	200	3.37	
EXT DRO >C28-C36	<10.0	10.0	07/11/2024	ND					
Surrogate: 1-Chlorooctane	109	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	130	% 49.1-14	8						

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Mite Sugar

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



		ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:		
Received:	07/11/2024		Sampling Date:	07/11/2024
Reported:	07/12/2024		Sampling Type:	Soil
Project Name:	PLU 20 DTD PAD A		Sampling Condition:	Cool & Intact
Project Number:	03C1558457		Sample Received By:	Alyssa Parras
Project Location:	XTO 32.20793-103.	90713		

Sample ID: FS 122 2' (H244160-05)

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	07/12/2024	ND	1.87	93.6	2.00	1.23	
Toluene*	<0.050	0.050	07/12/2024	ND	1.93	96.5	2.00	1.90	
Ethylbenzene*	<0.050	0.050	07/12/2024	ND	2.09	104	2.00	2.50	
Total Xylenes*	<0.150	0.150	07/12/2024	ND	6.16	103	6.00	2.78	
Total BTEX	<0.300	0.300	07/12/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	<i>98.3</i>	% 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	304	16.0	07/12/2024	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	07/11/2024	ND	199	99.5	200	2.36	
DRO >C10-C28*	<10.0	10.0	07/11/2024	ND	173	86.7	200	3.37	
EXT DRO >C28-C36	<10.0	10.0	07/11/2024	ND					
Surrogate: 1-Chlorooctane	108	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	129	% 49.1-14	8						

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



		ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:	,	
Received:	07/11/2024		Sampling Date:	07/11/2024
Reported:	07/12/2024		Sampling Type:	Soil
Project Name:	PLU 20 DTD PAD A		Sampling Condition:	Cool & Intact
Project Number:	03C1558457		Sample Received By:	Alyssa Parras
Project Location:	XTO 32.20793-103.	90713		

Sample ID: FS 123 2' (H244160-06)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/12/2024	ND	1.87	93.6	2.00	1.23	
Toluene*	<0.050	0.050	07/12/2024	ND	1.93	96.5	2.00	1.90	
Ethylbenzene*	<0.050	0.050	07/12/2024	ND	2.09	104	2.00	2.50	
Total Xylenes*	<0.150	0.150	07/12/2024	ND	6.16	103	6.00	2.78	
Total BTEX	<0.300	0.300	07/12/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	<i>98.3</i>	% 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	304	16.0	07/12/2024	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	07/11/2024	ND	199	99.5	200	2.36	
DRO >C10-C28*	<10.0	10.0	07/11/2024	ND	173	86.7	200	3.37	
EXT DRO >C28-C36	<10.0	10.0	07/11/2024	ND					
Surrogate: 1-Chlorooctane	109	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	130	% 49.1-14	8						

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



		ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:	,	
Received:	07/11/2024		Sampling Date:	07/11/2024
Reported:	07/12/2024		Sampling Type:	Soil
Project Name:	PLU 20 DTD PAD A		Sampling Condition:	Cool & Intact
Project Number:	03C1558457		Sample Received By:	Alyssa Parras
Project Location:	XTO 32.20793-103.	90713		

Sample ID: FS 124 2' (H244160-07)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/12/2024	ND	1.87	93.6	2.00	1.23	
Toluene*	<0.050	0.050	07/12/2024	ND	1.93	96.5	2.00	1.90	
Ethylbenzene*	<0.050	0.050	07/12/2024	ND	2.09	104	2.00	2.50	
Total Xylenes*	<0.150	0.150	07/12/2024	ND	6.16	103	6.00	2.78	
Total BTEX	<0.300	0.300	07/12/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.6	% 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	07/12/2024	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	07/11/2024	ND	199	99.5	200	2.36	
DRO >C10-C28*	<10.0	10.0	07/11/2024	ND	173	86.7	200	3.37	
EXT DRO >C28-C36	<10.0	10.0	07/11/2024	ND					
Surrogate: 1-Chlorooctane	105	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	122	% 49.1-14	8						

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



		ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:	,	
Received:	07/11/2024		Sampling Date:	07/11/2024
Reported:	07/12/2024		Sampling Type:	Soil
Project Name:	PLU 20 DTD PAD A		Sampling Condition:	Cool & Intact
Project Number:	03C1558457		Sample Received By:	Alyssa Parras
Project Location:	XTO 32.20793-103.	90713		

Sample ID: FS 125 2' (H244160-08)

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	07/12/2024	ND	1.87	93.6	2.00	1.23	
Toluene*	<0.050	0.050	07/12/2024	ND	1.93	96.5	2.00	1.90	
Ethylbenzene*	<0.050	0.050	07/12/2024	ND	2.09	104	2.00	2.50	
Total Xylenes*	<0.150	0.150	07/12/2024	ND	6.16	103	6.00	2.78	
Total BTEX	<0.300	0.300	07/12/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.8	% 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	160	16.0	07/12/2024	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	07/11/2024	ND	199	99.5	200	2.36	
DRO >C10-C28*	<10.0	10.0	07/11/2024	ND	173	86.7	200	3.37	
EXT DRO >C28-C36	<10.0	10.0	07/11/2024	ND					
Surrogate: 1-Chlorooctane	110 9	48.2-13	4						
Surrogate: 1-Chlorooctadecane	131	% 49.1-14	8						

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



		ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:	, ,	
Received:	07/11/2024		Sampling Date:	07/11/2024
Reported:	07/12/2024		Sampling Type:	Soil
Project Name:	PLU 20 DTD PAD A		Sampling Condition:	Cool & Intact
Project Number:	03C1558457		Sample Received By:	Alyssa Parras
Project Location:	XTO 32.20793-103.	90713		

Sample ID: FS 126 2' (H244160-09)

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	07/12/2024	ND	1.87	93.6	2.00	1.23	
Toluene*	<0.050	0.050	07/12/2024	ND	1.93	96.5	2.00	1.90	
Ethylbenzene*	<0.050	0.050	07/12/2024	ND	2.09	104	2.00	2.50	
Total Xylenes*	<0.150	0.150	07/12/2024	ND	6.16	103	6.00	2.78	
Total BTEX	<0.300	0.300	07/12/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.0	% 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	160	16.0	07/12/2024	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	07/11/2024	ND	199	99.5	200	2.36	
DRO >C10-C28*	<10.0	10.0	07/11/2024	ND	173	86.7	200	3.37	
EXT DRO >C28-C36	<10.0	10.0	07/11/2024	ND					
Surrogate: 1-Chlorooctane	101 9	48.2-13	4						
Surrogate: 1-Chlorooctadecane	120 \$	% 49.1-14	8						

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



		ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:	, ,	
Received:	07/11/2024		Sampling Date:	07/11/2024
Reported:	07/12/2024		Sampling Type:	Soil
Project Name:	PLU 20 DTD PAD A		Sampling Condition:	Cool & Intact
Project Number:	03C1558457		Sample Received By:	Alyssa Parras
Project Location:	XTO 32.20793-103.	90713		

Sample ID: FS 127 2' (H244160-10)

BTEX 8021B	mg,	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/12/2024	ND	1.87	93.6	2.00	1.23	
Toluene*	<0.050	0.050	07/12/2024	ND	1.93	96.5	2.00	1.90	
Ethylbenzene*	<0.050	0.050	07/12/2024	ND	2.09	104	2.00	2.50	
Total Xylenes*	<0.150	0.150	07/12/2024	ND	6.16	103	6.00	2.78	
Total BTEX	<0.300	0.300	07/12/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.7	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	′kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	07/12/2024	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	07/11/2024	ND	199	99.5	200	2.36	
DRO >C10-C28*	<10.0	10.0	07/11/2024	ND	173	86.7	200	3.37	
EXT DRO >C28-C36	<10.0	10.0	07/11/2024	ND					
Surrogate: 1-Chlorooctane	112 9	48.2-13	4						
Surrogate: 1-Chlorooctadecane	135	% 49.1-14	8						

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



		ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:	,	
Received:	07/11/2024		Sampling Date:	07/11/2024
Reported:	07/12/2024		Sampling Type:	Soil
Project Name:	PLU 20 DTD PAD A		Sampling Condition:	Cool & Intact
Project Number:	03C1558457		Sample Received By:	Alyssa Parras
Project Location:	XTO 32.20793-103.	90713		

Sample ID: FS 137 2' (H244160-11)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/12/2024	ND	1.87	93.6	2.00	1.23	
Toluene*	<0.050	0.050	07/12/2024	ND	1.93	96.5	2.00	1.90	
Ethylbenzene*	<0.050	0.050	07/12/2024	ND	2.09	104	2.00	2.50	
Total Xylenes*	<0.150	0.150	07/12/2024	ND	6.16	103	6.00	2.78	
Total BTEX	<0.300	0.300	07/12/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.5	% 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	144	16.0	07/12/2024	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	07/11/2024	ND	199	99.5	200	2.36	
DRO >C10-C28*	<10.0	10.0	07/11/2024	ND	173	86.7	200	3.37	
EXT DRO >C28-C36	<10.0	10.0	07/11/2024	ND					
Surrogate: 1-Chlorooctane	98.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	123	% 49.1-14	8						

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



		ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:	, ,	
Received:	07/11/2024		Sampling Date:	07/11/2024
Reported:	07/12/2024		Sampling Type:	Soil
Project Name:	PLU 20 DTD PAD A		Sampling Condition:	Cool & Intact
Project Number:	03C1558457		Sample Received By:	Alyssa Parras
Project Location:	XTO 32.20793-103.	90713		

Sample ID: FS 138 2' (H244160-12)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/12/2024	ND	1.87	93.6	2.00	1.23	
Toluene*	<0.050	0.050	07/12/2024	ND	1.93	96.5	2.00	1.90	
Ethylbenzene*	<0.050	0.050	07/12/2024	ND	2.09	104	2.00	2.50	
Total Xylenes*	<0.150	0.150	07/12/2024	ND	6.16	103	6.00	2.78	
Total BTEX	<0.300	0.300	07/12/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.5	% 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	144	16.0	07/12/2024	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	07/11/2024	ND	199	99.5	200	2.36	
DRO >C10-C28*	<10.0	10.0	07/11/2024	ND	173	86.7	200	3.37	
EXT DRO >C28-C36	<10.0	10.0	07/11/2024	ND					
Surrogate: 1-Chlorooctane	112 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	137	% 49.1-14	8						

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



		ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:	,	
Received:	07/11/2024		Sampling Date:	07/11/2024
Reported:	07/12/2024		Sampling Type:	Soil
Project Name:	PLU 20 DTD PAD A		Sampling Condition:	Cool & Intact
Project Number:	03C1558457		Sample Received By:	Alyssa Parras
Project Location:	XTO 32.20793-103.	90713		

Sample ID: FS 139 2' (H244160-13)

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	07/12/2024	ND	1.87	93.6	2.00	1.23	
Toluene*	<0.050	0.050	07/12/2024	ND	1.93	96.5	2.00	1.90	
Ethylbenzene*	<0.050	0.050	07/12/2024	ND	2.09	104	2.00	2.50	
Total Xylenes*	<0.150	0.150	07/12/2024	ND	6.16	103	6.00	2.78	
Total BTEX	<0.300	0.300	07/12/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.5	% 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	96.0	16.0	07/12/2024	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	07/11/2024	ND	199	99.5	200	2.36	
DRO >C10-C28*	<10.0	10.0	07/11/2024	ND	173	86.7	200	3.37	
EXT DRO >C28-C36	<10.0	10.0	07/11/2024	ND					
Surrogate: 1-Chlorooctane	96.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	118 9	% 49.1-14	8						

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



		ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:		
Received:	07/11/2024		Sampling Date:	07/11/2024
Reported:	07/12/2024		Sampling Type:	Soil
Project Name:	PLU 20 DTD PAD A		Sampling Condition:	Cool & Intact
Project Number:	03C1558457		Sample Received By:	Alyssa Parras
Project Location:	XTO 32.20793-103.	90713		

Sample ID: FS 140 2' (H244160-14)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/12/2024	ND	2.10	105	2.00	0.0272	
Toluene*	<0.050	0.050	07/12/2024	ND	2.21	110	2.00	2.84	
Ethylbenzene*	<0.050	0.050	07/12/2024	ND	2.39	120	2.00	4.46	
Total Xylenes*	<0.150	0.150	07/12/2024	ND	7.30	122	6.00	5.21	
Total BTEX	<0.300	0.300	07/12/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	119 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	07/12/2024	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	07/12/2024	ND	199	99.5	200	2.36	
DRO >C10-C28*	<10.0	10.0	07/12/2024	ND	173	86.7	200	3.37	
EXT DRO >C28-C36	<10.0	10.0	07/12/2024	ND					
Surrogate: 1-Chlorooctane	100	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	122	% 49.1-14	8						

Cardinal Laboratories

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Mite Sugar

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



		ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:		
Received:	07/11/2024		Sampling Date:	07/11/2024
Reported:	07/12/2024		Sampling Type:	Soil
Project Name:	PLU 20 DTD PAD A		Sampling Condition:	Cool & Intact
Project Number:	03C1558457		Sample Received By:	Alyssa Parras
Project Location:	XTO 32.20793-103.	90713		

Sample ID: FS 141 2' (H244160-15)

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	07/12/2024	ND	2.10	105	2.00	0.0272	
Toluene*	<0.050	0.050	07/12/2024	ND	2.21	110	2.00	2.84	
Ethylbenzene*	<0.050	0.050	07/12/2024	ND	2.39	120	2.00	4.46	
Total Xylenes*	<0.150	0.150	07/12/2024	ND	7.30	122	6.00	5.21	
Total BTEX	<0.300	0.300	07/12/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	118 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	07/12/2024	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	07/12/2024	ND	199	99.5	200	2.36	
DRO >C10-C28*	<10.0	10.0	07/12/2024	ND	173	86.7	200	3.37	
EXT DRO >C28-C36	<10.0	10.0	07/12/2024	ND					
Surrogate: 1-Chlorooctane	103 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	126 9	% 49.1-14	8						

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



		ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:	, ,	
Received:	07/11/2024		Sampling Date:	07/11/2024
Reported:	07/12/2024		Sampling Type:	Soil
Project Name:	PLU 20 DTD PAD A		Sampling Condition:	Cool & Intact
Project Number:	03C1558457		Sample Received By:	Alyssa Parras
Project Location:	XTO 32.20793-103.	90713		

Sample ID: FS 142 2' (H244160-16)

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	07/12/2024	ND	2.10	105	2.00	0.0272	
Toluene*	<0.050	0.050	07/12/2024	ND	2.21	110	2.00	2.84	
Ethylbenzene*	<0.050	0.050	07/12/2024	ND	2.39	120	2.00	4.46	
Total Xylenes*	<0.150	0.150	07/12/2024	ND	7.30	122	6.00	5.21	
Total BTEX	<0.300	0.300	07/12/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	115 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	mg/kg Analyzed By: AC							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	07/12/2024	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	07/12/2024	ND	199	99.5	200	2.36	
DRO >C10-C28*	<10.0	10.0	07/12/2024	ND	173	86.7	200	3.37	
EXT DRO >C28-C36	<10.0	10.0	07/12/2024	ND					
Surrogate: 1-Chlorooctane	112 9	48.2-13	4						
Surrogate: 1-Chlorooctadecane	137	% 49.1-14	8						

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



		ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:	,	
Received:	07/11/2024		Sampling Date:	07/11/2024
Reported:	07/12/2024		Sampling Type:	Soil
Project Name:	PLU 20 DTD PAD A		Sampling Condition:	Cool & Intact
Project Number:	03C1558457		Sample Received By:	Alyssa Parras
Project Location:	XTO 32.20793-103.	90713		

Sample ID: FS 143 2' (H244160-17)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/12/2024	ND	2.10	105	2.00	0.0272	
Toluene*	<0.050	0.050	07/12/2024	ND	2.21	110	2.00	2.84	
Ethylbenzene*	<0.050	0.050	07/12/2024	ND	2.39	120	2.00	4.46	
Total Xylenes*	<0.150	0.150	07/12/2024	ND	7.30	122	6.00	5.21	
Total BTEX	<0.300	0.300	07/12/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	117 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	mg/kg Analyzed By: AC							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	07/12/2024	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	07/12/2024	ND	199	99.5	200	2.36	
DRO >C10-C28*	<10.0	10.0	07/12/2024	ND	173	86.7	200	3.37	
EXT DRO >C28-C36	<10.0	10.0	07/12/2024	ND					
Surrogate: 1-Chlorooctane	107	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	131	% 49.1-14	8						

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



		ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:	,	
Received:	07/11/2024		Sampling Date:	07/11/2024
Reported:	07/12/2024		Sampling Type:	Soil
Project Name:	PLU 20 DTD PAD A		Sampling Condition:	Cool & Intact
Project Number:	03C1558457		Sample Received By:	Alyssa Parras
Project Location:	XTO 32.20793-103.	90713		

Sample ID: FS 144 2' (H244160-18)

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	07/12/2024	ND	2.10	105	2.00	0.0272	
Toluene*	<0.050	0.050	07/12/2024	ND	2.21	110	2.00	2.84	
Ethylbenzene*	<0.050	0.050	07/12/2024	ND	2.39	120	2.00	4.46	
Total Xylenes*	<0.150	0.150	07/12/2024	ND	7.30	122	6.00	5.21	
Total BTEX	<0.300	0.300	07/12/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	118 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	mg/kg Analyzed By: AC		d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	07/12/2024	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	07/12/2024	ND	199	99.5	200	2.36	
DRO >C10-C28*	<10.0	10.0	07/12/2024	ND	173	86.7	200	3.37	
EXT DRO >C28-C36	<10.0	10.0	07/12/2024	ND					
Surrogate: 1-Chlorooctane	113 9	48.2-13	4						
Surrogate: 1-Chlorooctadecane	142	% 49.1-14	8						

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



		ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:	,	
Received:	07/11/2024		Sampling Date:	07/11/2024
Reported:	07/12/2024		Sampling Type:	Soil
Project Name:	PLU 20 DTD PAD A		Sampling Condition:	Cool & Intact
Project Number:	03C1558457		Sample Received By:	Alyssa Parras
Project Location:	XTO 32.20793-103.	90713		

Sample ID: FS 145 2' (H244160-19)

BTEX 8021B	mg,	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/12/2024	ND	2.10	105	2.00	0.0272	
Toluene*	<0.050	0.050	07/12/2024	ND	2.21	110	2.00	2.84	
Ethylbenzene*	<0.050	0.050	07/12/2024	ND	2.39	120	2.00	4.46	
Total Xylenes*	<0.150	0.150	07/12/2024	ND	7.30	122	6.00	5.21	
Total BTEX	<0.300	0.300	07/12/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	120	% 71.5-13	4						
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	07/12/2024	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	07/12/2024	ND	199	99.5	200	2.36	
DRO >C10-C28*	<10.0	10.0	07/12/2024	ND	173	86.7	200	3.37	
EXT DRO >C28-C36	<10.0	10.0	07/12/2024	ND					
Surrogate: 1-Chlorooctane	105	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	128	% 49.1-14	8						

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



		ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:	,	
Received:	07/11/2024		Sampling Date:	07/11/2024
Reported:	07/12/2024		Sampling Type:	Soil
Project Name:	PLU 20 DTD PAD A		Sampling Condition:	Cool & Intact
Project Number:	03C1558457		Sample Received By:	Alyssa Parras
Project Location:	XTO 32.20793-103.	90713		

Sample ID: FS 146 2' (H244160-20)

BTEX 8021B	mg,	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/12/2024	ND	2.10	105	2.00	0.0272	
Toluene*	<0.050	0.050	07/12/2024	ND	2.21	110	2.00	2.84	
Ethylbenzene*	<0.050	0.050	07/12/2024	ND	2.39	120	2.00	4.46	
Total Xylenes*	<0.150	0.150	07/12/2024	ND	7.30	122	6.00	5.21	
Total BTEX	<0.300	0.300	07/12/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	117 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	07/12/2024	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	07/12/2024	ND	199	99.5	200	2.36	
DRO >C10-C28*	<10.0	10.0	07/12/2024	ND	173	86.7	200	3.37	
EXT DRO >C28-C36	<10.0	10.0	07/12/2024	ND					
Surrogate: 1-Chlorooctane	111 9	48.2-13	4						
Surrogate: 1-Chlorooctadecane	136	% 49.1-14	8						

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



		ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:	, ,	
Received:	07/11/2024		Sampling Date:	07/11/2024
Reported:	07/12/2024		Sampling Type:	Soil
Project Name:	PLU 20 DTD PAD A		Sampling Condition:	Cool & Intact
Project Number:	03C1558457		Sample Received By:	Alyssa Parras
Project Location:	XTO 32.20793-103.	90713		

Sample ID: FS 147 2' (H244160-21)

BTEX 8021B	mg	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/12/2024	ND	2.10	105	2.00	0.0272	
Toluene*	<0.050	0.050	07/12/2024	ND	2.21	110	2.00	2.84	
Ethylbenzene*	<0.050	0.050	07/12/2024	ND	2.39	120	2.00	4.46	
Total Xylenes*	<0.150	0.150	07/12/2024	ND	7.30	122	6.00	5.21	
Total BTEX	<0.300	0.300	07/12/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	114 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	mg/kg Analyzed By: AC							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	07/12/2024	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	07/12/2024	ND	193	96.7	200	0.846	
DRO >C10-C28*	<10.0	10.0	07/12/2024	ND	192	96.2	200	0.604	
EXT DRO >C28-C36	<10.0	10.0	07/12/2024	ND					
Surrogate: 1-Chlorooctane	104	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	118 9	% 49.1-14	8						

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



		ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:	, ,	
Received:	07/11/2024		Sampling Date:	07/11/2024
Reported:	07/12/2024		Sampling Type:	Soil
Project Name:	PLU 20 DTD PAD A		Sampling Condition:	Cool & Intact
Project Number:	03C1558457		Sample Received By:	Alyssa Parras
Project Location:	XTO 32.20793-103.	90713		

Sample ID: FS 148 2' (H244160-22)

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	07/12/2024	ND	2.10	105	2.00	0.0272	
Toluene*	<0.050	0.050	07/12/2024	ND	2.21	110	2.00	2.84	
Ethylbenzene*	<0.050	0.050	07/12/2024	ND	2.39	120	2.00	4.46	
Total Xylenes*	<0.150	0.150	07/12/2024	ND	7.30	122	6.00	5.21	
Total BTEX	<0.300	0.300	07/12/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	116 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	07/12/2024	ND	400	100	400	3.92	
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	07/12/2024	ND	193	96.7	200	0.846	
DRO >C10-C28*	<10.0	10.0	07/12/2024	ND	192	96.2	200	0.604	
EXT DRO >C28-C36	<10.0	10.0	07/12/2024	ND					
Surrogate: 1-Chlorooctane	109	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	122	% 49.1-14	8						

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



		ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:	,	
Received:	07/11/2024		Sampling Date:	07/11/2024
Reported:	07/12/2024		Sampling Type:	Soil
Project Name:	PLU 20 DTD PAD A		Sampling Condition:	Cool & Intact
Project Number:	03C1558457		Sample Received By:	Alyssa Parras
Project Location:	XTO 32.20793-103.	90713		

Sample ID: FS 149 2' (H244160-23)

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	07/12/2024	ND	2.10	105	2.00	0.0272	
Toluene*	<0.050	0.050	07/12/2024	ND	2.21	110	2.00	2.84	
Ethylbenzene*	<0.050	0.050	07/12/2024	ND	2.39	120	2.00	4.46	
Total Xylenes*	<0.150	0.150	07/12/2024	ND	7.30	122	6.00	5.21	
Total BTEX	<0.300	0.300	07/12/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	117 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	80.0	16.0	07/12/2024	ND	400	100	400	3.92	
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	07/12/2024	ND	193	96.7	200	0.846	
DRO >C10-C28*	<10.0	10.0	07/12/2024	ND	192	96.2	200	0.604	
EXT DRO >C28-C36	<10.0	10.0	07/12/2024	ND					
Surrogate: 1-Chlorooctane	109	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	120	% 49.1-14	8						

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



		ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:		
Received:	07/11/2024		Sampling Date:	07/11/2024
Reported:	07/12/2024		Sampling Type:	Soil
Project Name:	PLU 20 DTD PAD A		Sampling Condition:	Cool & Intact
Project Number:	03C1558457		Sample Received By:	Alyssa Parras
Project Location:	XTO 32.20793-103.	90713		

Sample ID: FS 150 2' (H244160-24)

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	07/12/2024	ND	2.10	105	2.00	0.0272	
Toluene*	<0.050	0.050	07/12/2024	ND	2.21	110	2.00	2.84	
Ethylbenzene*	<0.050	0.050	07/12/2024	ND	2.39	120	2.00	4.46	
Total Xylenes*	<0.150	0.150	07/12/2024	ND	7.30	122	6.00	5.21	
Total BTEX	<0.300	0.300	07/12/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	116 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	07/12/2024	ND	400	100	400	3.92	
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	07/12/2024	ND	193	96.7	200	0.846	
DRO >C10-C28*	<10.0	10.0	07/12/2024	ND	192	96.2	200	0.604	
EXT DRO >C28-C36	<10.0	10.0	07/12/2024	ND					
Surrogate: 1-Chlorooctane	112 9	48.2-13	4						
Surrogate: 1-Chlorooctadecane	126 9	% 49.1-14	8						

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*=Accredited Analyte

mite Sugar

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


		ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:	,	
Received:	07/11/2024		Sampling Date:	07/11/2024
Reported:	07/12/2024		Sampling Type:	Soil
Project Name:	PLU 20 DTD PAD A		Sampling Condition:	Cool & Intact
Project Number:	03C1558457		Sample Received By:	Alyssa Parras
Project Location:	XTO 32.20793-103.	90713		

Sample ID: FS 151 2' (H244160-25)

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	07/12/2024	ND	2.10	105	2.00	0.0272	
Toluene*	<0.050	0.050	07/12/2024	ND	2.21	110	2.00	2.84	
Ethylbenzene*	<0.050	0.050	07/12/2024	ND	2.39	120	2.00	4.46	
Total Xylenes*	<0.150	0.150	07/12/2024	ND	7.30	122	6.00	5.21	
Total BTEX	<0.300	0.300	07/12/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	119 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	208	16.0	07/12/2024	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	07/12/2024	ND	193	96.7	200	0.846	
DRO >C10-C28*	<10.0	10.0	07/12/2024	ND	192	96.2	200	0.604	
EXT DRO >C28-C36	<10.0	10.0	07/12/2024	ND					
Surrogate: 1-Chlorooctane	118 9	48.2-13	4						
Surrogate: 1-Chlorooctadecane	129	% 49.1-14	8						

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



		ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:	, ,	
Received:	07/11/2024		Sampling Date:	07/11/2024
Reported:	07/12/2024		Sampling Type:	Soil
Project Name:	PLU 20 DTD PAD A		Sampling Condition:	Cool & Intact
Project Number:	03C1558457		Sample Received By:	Alyssa Parras
Project Location:	XTO 32.20793-103.	90713		

Sample ID: FS 152 2' (H244160-26)

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	07/12/2024	ND	2.10	105	2.00	0.0272	
Toluene*	<0.050	0.050	07/12/2024	ND	2.21	110	2.00	2.84	
Ethylbenzene*	<0.050	0.050	07/12/2024	ND	2.39	120	2.00	4.46	
Total Xylenes*	<0.150	0.150	07/12/2024	ND	7.30	122	6.00	5.21	
Total BTEX	<0.300	0.300	07/12/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	118 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	240	16.0	07/12/2024	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	07/12/2024	ND	193	96.7	200	0.846	
DRO >C10-C28*	<10.0	10.0	07/12/2024	ND	192	96.2	200	0.604	
EXT DRO >C28-C36	<10.0	10.0	07/12/2024	ND					
Surrogate: 1-Chlorooctane	110 9	48.2-13	4						
Surrogate: 1-Chlorooctadecane	122	% 49.1-14	8						

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



		ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:	,	
Received:	07/11/2024		Sampling Date:	07/11/2024
Reported:	07/12/2024		Sampling Type:	Soil
Project Name:	PLU 20 DTD PAD A		Sampling Condition:	Cool & Intact
Project Number:	03C1558457		Sample Received By:	Alyssa Parras
Project Location:	XTO 32.20793-103.	90713		

Sample ID: FS 153 2' (H244160-27)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/12/2024	ND	2.10	105	2.00	0.0272	
Toluene*	<0.050	0.050	07/12/2024	ND	2.21	110	2.00	2.84	
Ethylbenzene*	<0.050	0.050	07/12/2024	ND	2.39	120	2.00	4.46	
Total Xylenes*	<0.150	0.150	07/12/2024	ND	7.30	122	6.00	5.21	
Total BTEX	<0.300	0.300	07/12/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	112 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	07/12/2024	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	07/12/2024	ND	193	96.7	200	0.846	
DRO >C10-C28*	<10.0	10.0	07/12/2024	ND	192	96.2	200	0.604	
EXT DRO >C28-C36	<10.0	10.0	07/12/2024	ND					
Surrogate: 1-Chlorooctane	118 9	48.2-13	4						
Surrogate: 1-Chlorooctadecane	130 \$	% 49.1-14	8						

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



		ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:	, ,	
Received:	07/11/2024		Sampling Date:	07/11/2024
Reported:	07/12/2024		Sampling Type:	Soil
Project Name:	PLU 20 DTD PAD A		Sampling Condition:	Cool & Intact
Project Number:	03C1558457		Sample Received By:	Alyssa Parras
Project Location:	XTO 32.20793-103.	90713		

Sample ID: FS 154 2' (H244160-28)

BTEX 8021B	mg,	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/12/2024	ND	2.10	105	2.00	0.0272	
Toluene*	<0.050	0.050	07/12/2024	ND	2.21	110	2.00	2.84	
Ethylbenzene*	<0.050	0.050	07/12/2024	ND	2.39	120	2.00	4.46	
Total Xylenes*	<0.150	0.150	07/12/2024	ND	7.30	122	6.00	5.21	
Total BTEX	<0.300	0.300	07/12/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	118 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	208	16.0	07/12/2024	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	07/12/2024	ND	193	96.7	200	0.846	
DRO >C10-C28*	<10.0	10.0	07/12/2024	ND	192	96.2	200	0.604	
EXT DRO >C28-C36	<10.0	10.0	07/12/2024	ND					
Surrogate: 1-Chlorooctane	115 9	48.2-13	4						
Surrogate: 1-Chlorooctadecane	127	% 49.1-14	8						

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



		ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:	, ,	
Received:	07/11/2024		Sampling Date:	07/11/2024
Reported:	07/12/2024		Sampling Type:	Soil
Project Name:	PLU 20 DTD PAD A		Sampling Condition:	Cool & Intact
Project Number:	03C1558457		Sample Received By:	Alyssa Parras
Project Location:	XTO 32.20793-103.	90713		

Sample ID: FS 155 2' (H244160-29)

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	07/12/2024	ND	2.10	105	2.00	0.0272	
Toluene*	<0.050	0.050	07/12/2024	ND	2.21	110	2.00	2.84	
Ethylbenzene*	<0.050	0.050	07/12/2024	ND	2.39	120	2.00	4.46	
Total Xylenes*	<0.150	0.150	07/12/2024	ND	7.30	122	6.00	5.21	
Total BTEX	<0.300	0.300	07/12/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	117 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	208	16.0	07/12/2024	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	07/12/2024	ND	193	96.7	200	0.846	
DRO >C10-C28*	<10.0	10.0	07/12/2024	ND	192	96.2	200	0.604	
EXT DRO >C28-C36	<10.0	10.0	07/12/2024	ND					
Surrogate: 1-Chlorooctane	100	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	110 9	% 49.1-14	8						

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



		ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:	,	
Received:	07/11/2024		Sampling Date:	07/11/2024
Reported:	07/12/2024		Sampling Type:	Soil
Project Name:	PLU 20 DTD PAD A		Sampling Condition:	Cool & Intact
Project Number:	03C1558457		Sample Received By:	Alyssa Parras
Project Location:	XTO 32.20793-103.	90713		

Sample ID: FS 156 2' (H244160-30)

BTEX 8021B	mg,	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/12/2024	ND	2.10	105	2.00	0.0272	
Toluene*	<0.050	0.050	07/12/2024	ND	2.21	110	2.00	2.84	
Ethylbenzene*	<0.050	0.050	07/12/2024	ND	2.39	120	2.00	4.46	
Total Xylenes*	<0.150	0.150	07/12/2024	ND	7.30	122	6.00	5.21	
Total BTEX	<0.300	0.300	07/12/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	111 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	07/12/2024	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	07/12/2024	ND	193	96.7	200	0.846	
DRO >C10-C28*	<10.0	10.0	07/12/2024	ND	192	96.2	200	0.604	
EXT DRO >C28-C36	<10.0	10.0	07/12/2024	ND					
Surrogate: 1-Chlorooctane	109	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	121	% 49.1-14	8						

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



		ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:	,	
Received:	07/11/2024		Sampling Date:	07/11/2024
Reported:	07/12/2024		Sampling Type:	Soil
Project Name:	PLU 20 DTD PAD A		Sampling Condition:	Cool & Intact
Project Number:	03C1558457		Sample Received By:	Alyssa Parras
Project Location:	XTO 32.20793-103.	90713		

Sample ID: FS 157 2' (H244160-31)

BTEX 8021B	mg/	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/12/2024	ND	2.10	105	2.00	0.0272	
Toluene*	<0.050	0.050	07/12/2024	ND	2.21	110	2.00	2.84	
Ethylbenzene*	<0.050	0.050	07/12/2024	ND	2.39	120	2.00	4.46	
Total Xylenes*	<0.150	0.150	07/12/2024	ND	7.30	122	6.00	5.21	
Total BTEX	<0.300	0.300	07/12/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	119 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	128	16.0	07/12/2024	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	07/12/2024	ND	193	96.7	200	0.846	
DRO >C10-C28*	<10.0	10.0	07/12/2024	ND	192	96.2	200	0.604	
EXT DRO >C28-C36	<10.0	10.0	07/12/2024	ND					
Surrogate: 1-Chlorooctane	99.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	113 9	% 49.1-14	8						

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



		ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:	, ,	
Received:	07/11/2024		Sampling Date:	07/11/2024
Reported:	07/12/2024		Sampling Type:	Soil
Project Name:	PLU 20 DTD PAD A		Sampling Condition:	Cool & Intact
Project Number:	03C1558457		Sample Received By:	Alyssa Parras
Project Location:	XTO 32.20793-103.	90713		

Sample ID: FS 158 2' (H244160-32)

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	07/12/2024	ND	2.10	105	2.00	0.0272	
Toluene*	<0.050	0.050	07/12/2024	ND	2.21	110	2.00	2.84	
Ethylbenzene*	<0.050	0.050	07/12/2024	ND	2.39	120	2.00	4.46	
Total Xylenes*	<0.150	0.150	07/12/2024	ND	7.30	122	6.00	5.21	
Total BTEX	<0.300	0.300	07/12/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	118 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	07/12/2024	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	07/12/2024	ND	193	96.7	200	0.846	
DRO >C10-C28*	<10.0	10.0	07/12/2024	ND	192	96.2	200	0.604	
EXT DRO >C28-C36	<10.0	10.0	07/12/2024	ND					
Surrogate: 1-Chlorooctane	110 9	48.2-13	4						
Surrogate: 1-Chlorooctadecane	122 9	% 49.1-14	8						

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



		ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:	, ,	
Received:	07/11/2024		Sampling Date:	07/11/2024
Reported:	07/12/2024		Sampling Type:	Soil
Project Name:	PLU 20 DTD PAD A		Sampling Condition:	Cool & Intact
Project Number:	03C1558457		Sample Received By:	Alyssa Parras
Project Location:	XTO 32.20793-103.	90713		

Sample ID: FS 159 2' (H244160-33)

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	07/12/2024	ND	2.10	105	2.00	0.0272	
Toluene*	<0.050	0.050	07/12/2024	ND	2.21	110	2.00	2.84	
Ethylbenzene*	<0.050	0.050	07/12/2024	ND	2.39	120	2.00	4.46	
Total Xylenes*	<0.150	0.150	07/12/2024	ND	7.30	122	6.00	5.21	
Total BTEX	<0.300	0.300	07/12/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	113 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	′kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	07/12/2024	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	07/12/2024	ND	193	96.7	200	0.846	
DRO >C10-C28*	<10.0	10.0	07/12/2024	ND	192	96.2	200	0.604	
EXT DRO >C28-C36	<10.0	10.0	07/12/2024	ND					
Surrogate: 1-Chlorooctane	114 9	48.2-13	4						
Surrogate: 1-Chlorooctadecane	128	% 49.1-14	8						

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



		ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:	,	
Received:	07/11/2024		Sampling Date:	07/11/2024
Reported:	07/12/2024		Sampling Type:	Soil
Project Name:	PLU 20 DTD PAD A		Sampling Condition:	Cool & Intact
Project Number:	03C1558457		Sample Received By:	Alyssa Parras
Project Location:	XTO 32.20793-103.	90713		

Sample ID: FS 160 2' (H244160-34)

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	07/12/2024	ND	2.01	100	2.00	4.02	
Toluene*	<0.050	0.050	07/12/2024	ND	1.93	96.6	2.00	2.35	
Ethylbenzene*	<0.050	0.050	07/12/2024	ND	1.97	98.5	2.00	1.70	
Total Xylenes*	<0.150	0.150	07/12/2024	ND	5.81	96.8	6.00	1.78	
Total BTEX	<0.300	0.300	07/12/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 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	304	16.0	07/12/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/12/2024	ND	193	96.7	200	0.846	
DRO >C10-C28*	<10.0	10.0	07/12/2024	ND	192	96.2	200	0.604	
EXT DRO >C28-C36	<10.0	10.0	07/12/2024	ND					
Surrogate: 1-Chlorooctane	108	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	121	% 49.1-14	8						

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



		ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:	, ,	
Received:	07/11/2024		Sampling Date:	07/11/2024
Reported:	07/12/2024		Sampling Type:	Soil
Project Name:	PLU 20 DTD PAD A		Sampling Condition:	Cool & Intact
Project Number:	03C1558457		Sample Received By:	Alyssa Parras
Project Location:	XTO 32.20793-103.	90713		

Sample ID: FS 161 2' (H244160-35)

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	07/12/2024	ND	2.01	100	2.00	4.02	
Toluene*	<0.050	0.050	07/12/2024	ND	1.93	96.6	2.00	2.35	
Ethylbenzene*	<0.050	0.050	07/12/2024	ND	1.97	98.5	2.00	1.70	
Total Xylenes*	<0.150	0.150	07/12/2024	ND	5.81	96.8	6.00	1.78	
Total BTEX	<0.300	0.300	07/12/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	′kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	07/12/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/12/2024	ND	193	96.7	200	0.846	
DRO >C10-C28*	<10.0	10.0	07/12/2024	ND	192	96.2	200	0.604	
EXT DRO >C28-C36	<10.0	10.0	07/12/2024	ND					
Surrogate: 1-Chlorooctane	113 9	48.2-13	4						
Surrogate: 1-Chlorooctadecane	126	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Mite Sugar

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



		ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:	,	
Received:	07/11/2024		Sampling Date:	07/11/2024
Reported:	07/12/2024		Sampling Type:	Soil
Project Name:	PLU 20 DTD PAD A		Sampling Condition:	Cool & Intact
Project Number:	03C1558457		Sample Received By:	Alyssa Parras
Project Location:	XTO 32.20793-103.	90713		

Sample ID: FS 162 2' (H244160-36)

BTEX 8021B	mg,	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/12/2024	ND	2.01	100	2.00	4.02	
Toluene*	<0.050	0.050	07/12/2024	ND	1.93	96.6	2.00	2.35	
Ethylbenzene*	<0.050	0.050	07/12/2024	ND	1.97	98.5	2.00	1.70	
Total Xylenes*	<0.150	0.150	07/12/2024	ND	5.81	96.8	6.00	1.78	
Total BTEX	<0.300	0.300	07/12/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 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	272	16.0	07/12/2024	ND	432	108	400	0.00	
TPH 8015M	mg,	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/12/2024	ND	193	96.7	200	0.846	
DRO >C10-C28*	<10.0	10.0	07/12/2024	ND	192	96.2	200	0.604	
EXT DRO >C28-C36	<10.0	10.0	07/12/2024	ND					
Surrogate: 1-Chlorooctane	108	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	121	% 49.1-14	8						

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*=Accredited Analyte

Mite Sugar

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



		ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:	,	
Received:	07/11/2024		Sampling Date:	07/11/2024
Reported:	07/12/2024		Sampling Type:	Soil
Project Name:	PLU 20 DTD PAD A		Sampling Condition:	Cool & Intact
Project Number:	03C1558457		Sample Received By:	Alyssa Parras
Project Location:	XTO 32.20793-103.	90713		

Sample ID: FS 163 2' (H244160-37)

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	07/12/2024	ND	2.01	100	2.00	4.02	
Toluene*	<0.050	0.050	07/12/2024	ND	1.93	96.6	2.00	2.35	
Ethylbenzene*	<0.050	0.050	07/12/2024	ND	1.97	98.5	2.00	1.70	
Total Xylenes*	<0.150	0.150	07/12/2024	ND	5.81	96.8	6.00	1.78	
Total BTEX	<0.300	0.300	07/12/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 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	288	16.0	07/12/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/12/2024	ND	193	96.7	200	0.846	
DRO >C10-C28*	<10.0	10.0	07/12/2024	ND	192	96.2	200	0.604	
EXT DRO >C28-C36	<10.0	10.0	07/12/2024	ND					
Surrogate: 1-Chlorooctane	117 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	130	% 49.1-14	8						

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Mite Sugar

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



		ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:	,	
Received:	07/11/2024		Sampling Date:	07/11/2024
Reported:	07/12/2024		Sampling Type:	Soil
Project Name:	PLU 20 DTD PAD A		Sampling Condition:	Cool & Intact
Project Number:	03C1558457		Sample Received By:	Alyssa Parras
Project Location:	XTO 32.20793-103.	90713		

Sample ID: CS 01 0.5' (H244160-38)

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	07/12/2024	ND	2.01	100	2.00	4.02	
Toluene*	<0.050	0.050	07/12/2024	ND	1.93	96.6	2.00	2.35	
Ethylbenzene*	<0.050	0.050	07/12/2024	ND	1.97	98.5	2.00	1.70	
Total Xylenes*	<0.150	0.150	07/12/2024	ND	5.81	96.8	6.00	1.78	
Total BTEX	<0.300	0.300	07/12/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 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	304	16.0	07/12/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/12/2024	ND	193	96.7	200	0.846	
DRO >C10-C28*	<10.0	10.0	07/12/2024	ND	192	96.2	200	0.604	
EXT DRO >C28-C36	<10.0	10.0	07/12/2024	ND					
Surrogate: 1-Chlorooctane	110 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	122	% 49.1-14	8						

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Mite Sugar

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



		ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:	, ,	
Received:	07/11/2024		Sampling Date:	07/11/2024
Reported:	07/12/2024		Sampling Type:	Soil
Project Name:	PLU 20 DTD PAD A		Sampling Condition:	Cool & Intact
Project Number:	03C1558457		Sample Received By:	Alyssa Parras
Project Location:	XTO 32.20793-103.	90713		

Sample ID: CS 02 0.5' (H244160-39)

BTEX 8021B	mg/	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/12/2024	ND	2.01	100	2.00	4.02	
Toluene*	<0.050	0.050	07/12/2024	ND	1.93	96.6	2.00	2.35	
Ethylbenzene*	<0.050	0.050	07/12/2024	ND	1.97	98.5	2.00	1.70	
Total Xylenes*	<0.150	0.150	07/12/2024	ND	5.81	96.8	6.00	1.78	
Total BTEX	<0.300	0.300	07/12/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	108 9	% 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	96.0	16.0	07/12/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/12/2024	ND	193	96.7	200	0.846	
DRO >C10-C28*	<10.0	10.0	07/12/2024	ND	192	96.2	200	0.604	
EXT DRO >C28-C36	<10.0	10.0	07/12/2024	ND					
Surrogate: 1-Chlorooctane	103 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	111 9	% 49.1-14	8						

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



		ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:	,	
Received:	07/11/2024		Sampling Date:	07/11/2024
Reported:	07/12/2024		Sampling Type:	Soil
Project Name:	PLU 20 DTD PAD A		Sampling Condition:	Cool & Intact
Project Number:	03C1558457		Sample Received By:	Alyssa Parras
Project Location:	XTO 32.20793-103.	90713		

Sample ID: CS 03 0.5' (H244160-40)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/12/2024	ND	2.01	100	2.00	4.02	
Toluene*	<0.050	0.050	07/12/2024	ND	1.93	96.6	2.00	2.35	
Ethylbenzene*	<0.050	0.050	07/12/2024	ND	1.97	98.5	2.00	1.70	
Total Xylenes*	<0.150	0.150	07/12/2024	ND	5.81	96.8	6.00	1.78	
Total BTEX	<0.300	0.300	07/12/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 9	% 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	96.0	16.0	07/12/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/12/2024	ND	193	96.7	200	0.846	
DRO >C10-C28*	<10.0	10.0	07/12/2024	ND	192	96.2	200	0.604	
EXT DRO >C28-C36	<10.0	10.0	07/12/2024	ND					
Surrogate: 1-Chlorooctane	111 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	119 9	% 49.1-14	8						

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Mite Sugar

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



		ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:	,	
Received:	07/11/2024		Sampling Date:	07/11/2024
Reported:	07/12/2024		Sampling Type:	Soil
Project Name:	PLU 20 DTD PAD A		Sampling Condition:	Cool & Intact
Project Number:	03C1558457		Sample Received By:	Alyssa Parras
Project Location:	XTO 32.20793-103.	90713		

Sample ID: CS 04 0.5' (H244160-41)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/12/2024	ND	2.01	100	2.00	4.02	
Toluene*	<0.050	0.050	07/12/2024	ND	1.93	96.6	2.00	2.35	
Ethylbenzene*	<0.050	0.050	07/12/2024	ND	1.97	98.5	2.00	1.70	
Total Xylenes*	<0.150	0.150	07/12/2024	ND	5.81	96.8	6.00	1.78	
Total BTEX	<0.300	0.300	07/12/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 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	128	16.0	07/12/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/12/2024	ND	190	95.0	200	2.05	
DRO >C10-C28*	<10.0	10.0	07/12/2024	ND	184	92.2	200	2.26	
EXT DRO >C28-C36	<10.0	10.0	07/12/2024	ND					
Surrogate: 1-Chlorooctane	93.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	91.4	% 49.1-14	8						

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Mite Sugar

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



		ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:	,	
Received:	07/11/2024		Sampling Date:	07/11/2024
Reported:	07/12/2024		Sampling Type:	Soil
Project Name:	PLU 20 DTD PAD A		Sampling Condition:	Cool & Intact
Project Number:	03C1558457		Sample Received By:	Alyssa Parras
Project Location:	XTO 32.20793-103.	90713		

Sample ID: CS 05 0.5' (H244160-42)

BTEX 8021B	mg/	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/12/2024	ND	2.01	100	2.00	4.02	
Toluene*	<0.050	0.050	07/12/2024	ND	1.93	96.6	2.00	2.35	
Ethylbenzene*	<0.050	0.050	07/12/2024	ND	1.97	98.5	2.00	1.70	
Total Xylenes*	<0.150	0.150	07/12/2024	ND	5.81	96.8	6.00	1.78	
Total BTEX	<0.300	0.300	07/12/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 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	07/12/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/12/2024	ND	190	95.0	200	2.05	
DRO >C10-C28*	<10.0	10.0	07/12/2024	ND	184	92.2	200	2.26	
EXT DRO >C28-C36	<10.0	10.0	07/12/2024	ND					
Surrogate: 1-Chlorooctane	98.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	97.5	% 49.1-14	8						

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



		ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:		
Received:	07/11/2024		Sampling Date:	07/11/2024
Reported:	07/12/2024		Sampling Type:	Soil
Project Name:	PLU 20 DTD PAD A		Sampling Condition:	Cool & Intact
Project Number:	03C1558457		Sample Received By:	Alyssa Parras
Project Location:	XTO 32.20793-103.	90713		

Sample ID: CS 06 0.5' (H244160-43)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/12/2024	ND	2.01	100	2.00	4.02	
Toluene*	<0.050	0.050	07/12/2024	ND	1.93	96.6	2.00	2.35	
Ethylbenzene*	<0.050	0.050	07/12/2024	ND	1.97	98.5	2.00	1.70	
Total Xylenes*	<0.150	0.150	07/12/2024	ND	5.81	96.8	6.00	1.78	
Total BTEX	<0.300	0.300	07/12/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 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	80.0	16.0	07/12/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/12/2024	ND	190	95.0	200	2.05	
DRO >C10-C28*	<10.0	10.0	07/12/2024	ND	184	92.2	200	2.26	
EXT DRO >C28-C36	<10.0	10.0	07/12/2024	ND					
Surrogate: 1-Chlorooctane	96.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	94.1	% 49.1-14	8						

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



		ENSOLUM BEN BELILL 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:		
Received:	07/11/2024		Sampling Date:	07/11/2024
Reported:	07/12/2024		Sampling Type:	Soil
Project Name:	PLU 20 DTD PAD A		Sampling Condition:	Cool & Intact
Project Number:	03C1558457		Sample Received By:	Alyssa Parras
Project Location:	XTO 32.20793-103.	90713		

Sample ID: CS 07 0.5' (H244160-44)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/12/2024	ND	2.01	100	2.00	4.02	
Toluene*	<0.050	0.050	07/12/2024	ND	1.93	96.6	2.00	2.35	
Ethylbenzene*	<0.050	0.050	07/12/2024	ND	1.97	98.5	2.00	1.70	
Total Xylenes*	<0.150	0.150	07/12/2024	ND	5.81	96.8	6.00	1.78	
Total BTEX	<0.300	0.300	07/12/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 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	07/12/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/12/2024	ND	190	95.0	200	2.05	
DRO >C10-C28*	<10.0	10.0	07/12/2024	ND	184	92.2	200	2.26	
EXT DRO >C28-C36	<10.0	10.0	07/12/2024	ND					
Surrogate: 1-Chlorooctane	85.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	82.9	% 49.1-14	8						

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



Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C

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

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Mite Sugar

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

101 East Marland, Hobbs, NM 88240

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Received by OCD: 9/26/2024 11:09:04 AM

Company Name:	Esselum 11 C		BILL TO		ANALYSIS	YSIS REQUEST	ST
Project Manager: Ben Belill		P.O. #:	. #:				
Address: 3122 National Parks Hwy	wy	Cor	company: XTO Energy	jy Inc.			
city: Carlsbad	state:NM zip: 88220		Attn: Amy Ruth				
Ð			Address: 3104 E. Gre	Green St.			
Project #: 03C1558457	Project Owner: XTO	City	city: Carlsbad				
Project Name: PLU 20 DTD Pad A		Sta	State: NM Zip: 88220	0		_	
Project Location:		Ph	Phone #:				
Den Londo		E					
Sampler Name: Omar Hamdy		Fax #:					
FOR LAB USE ONLY	2.	MATRIX	PRESERV. SAMP	SAMPLING			
Lab I.D. Sample I.D.	(feet) (G)RAB OR (C)OMP # CONTAINERS	GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER :		BTEX TPH	CHLORIDE		
101100	-		V 7/11/24	8:25 VV	2		
D FC HO	2 7	0	1	8:26 VV	V		
3 45 120	2	<	4	NN ELS	V		
4 6(12)	2	1	2	N 1 81.8	X		
5 55 121	10		1	X: 29 VV	2		
6 65 123	10	2	0	8:30 VV	2		
1 101	21	2	2	8:31 111	4		
20139 A	21	1	0	8:31 11	V		
8 FS 126		2	2	8:30 V V	2		
10 FS 127		whether based in montract or the	Amount	8.32 V V	2		
PLEASE NOTE: Liability and Damages. Cardinal's liability and analyses. All claims including those for negligence and any of service. In no event shall Cardinal be liable for incidental or co	d cland's exclusive remedy for any claim arsing whether based in contract or pirt, some unnex to remunous you by some or the applicable ther cause whatboorer shall be demond vahed unless made in writing and recorded by Cardinal within 30 days differ completion of the applicable consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiarities,	egy for any claim artisety whether valsed in contract or sur, sure or minute using encoded to the state of the shall be chemiced whether there is investigated in excited by Cardinal within 30 days after completion of the including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries	use, or loss of profits incurred by c	r completion of the applicable client, its subsidiaries,			
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	Time:			Cost Center: 2255691001	001		
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Laboratories

Company Name:	Enclim IIC					-				BILL	L 70					ANALYSIS REQUEST	SISA	R	le	ES	1			1
Project Manager: Ben Belill	Be						P.O. #:	*								-				_			-	
ddress: 3122 1	Address: 3122 National Parks Hwy	Y					Con	npa	iny:	X	Company: XTO Energy Inc.	yy Inc.	_	_		_				-			_	
city: Carlsbad	đ	State: NM	Zip: 88220	88	220		Attn	A	my	Attn: Amy Ruth	lth					_				_				
0	257-8307	Fax #:	ſ				Add	res	S: C	310.	Address: 3104 E. Gre	Green St.				_	_			_			_	
Project #: 03C1558457	558457	Project Owner: XTO	X	0			City	C	arl	city: Carlsbad	đ		_	_		_							-	
project Name: P	Project Name: PLU 20 DTD Pad A	1.1					Stat	te:	State: NM		Zip: 88220	00	_			_								
Project Location:							Phone #:	ne	#							_			_	_			_	
Sampler Name: Omar Hamdy	Omar Hamdy						Fax #:	#								_				_			_	
FOR LAB USE ONLY			P.	_	MATRIX	×		PRE	PRESERV	RV.	SAMP	SAMPLING	_			_				_				
Lab I.D.	Sample I.D.	Sample Depth (feet)	G)RAB OR (C)OM	CONTAINERS	GROUNDWATER WASTEWATER SOIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME	BTEX	ТРН	CHLORIDE				-					
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Observed Temp. *C

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Cool Intact Sample Condition

CHECKED BY:

(Initials)

Turnaround Time:

Rush Standard

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

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Corrected Temp. °C

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Date: 11-24

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3 2 analyses. All claims including those for neglige service. In no event shall Cardinal be liable for

other

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made in writing and ness in

loss of use, or loss of

profits incurred

within 30 days after completion of the applicable works incurred by client, its subsidiaries,

All Results are emailed. Please provide Email address:

bbelill@ensolum.com>, TMorrissey@ensolum.com

Verbal Result:

Yes

No No

Add'I Phone #:

REMARKS: nAPP2418460531

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by the client for the

PLEASE NOTE: Liability and

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

aboratories 101 East Marland, Hobbs, NM 88240

	(575) 393-2326 FAX (575) 393-2476	AX (575) 393-2-	476					
Company Name:				BILL	L 70			ANALYSIS REQUEST
Project Manager: Ben Belill	: Ben Belill			P.O. #:			-	
Address: 3122	Address: 3122 National Parks Hwy	Ŷ		company: XTO Energy	O Energy Inc.			
city: Carlsbad	đ	State: NM	Zip: 88220	Attn: Amy Ruth	rth	_		
e #:	337 257-8307	Fax #:		Address: 3104 E.	4 E. Green St.			
Project #: 03C1558457	558457	Project Owner: XTO	r: XTO	city: Carlsbad	đ		_	
Project Name: P	Project Name: PLU 20 DTD Pad A			State: NM 2	zip: 88220			
Project Location:	'n			Phone #:			_	
Sampler Name: Omar Hamdy	Omar Hamdy			Fax #:			-	
FOR LAB USE ONLY			MATRIX	PRESERV.	SAMPLING		_	
Lab I.D.	Sample I.D.	Sample Depth (feet)	(G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL	SLUDGE OTHER : ACID/BASE: ICE / COOL OTHER :	DATE TIME	BTEX	TPH CHLORIDE	
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er	FS 153	2	0	<	9:06	2	1	
20	ES IS4	2	1	2	9.08	7	1	
2	55155	2	/	2	9:10	7	11	
30	FS 156	2	A	V	11:6 4	5	11	
PLEASE NOTE: Liability and Damages. analyses. All claims including those for n service. In no event shall Cardinal be lat	d Damages, Cardinal's liability and cli g those for negligence and any other indinal be liable for incidental or consi	ent's exclusive remedy for a cause whatsoever shall be equental damages, including	PLEASE NOTE: Lability and Damages. Cardinal's lability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed walved unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be lable for incidential or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by Client, its subsidiaries,	ract or tort, shall be limited to t and received by Cardinal with ns, loss of use, or loss of profi	the amount paid by the client for hin 30 days after completion of the ts incurred by client, its subsidiar ts incurred by client, its subsidiar the subs	the re applicable ries,		
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Dolinguishod Du		Data:	Balland Bur		DEMADKS:	A DDD	0440400504	2

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

Relinquished By: Sampler - UPS - Bus - Other: Delivered By: (Circle One) Observed Temp. *C Date: Time: Received By: Sample Condition Cool Intact Ves Yes No No No CHECKED BY: (Initials) 9 Turnaround Time: REMARKS: nAPP2418460531 Correction Factor -0.8°C helmometel 10 2440 Cost Center: 2255691001 Rush Standard 0 2 Cool Intact Bacteria (only) Sample Condition Corrected Temp. °C Observed Temp. °C

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Page 49 of 51

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240 751 202_2226 EAY 15751 202_2476

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	(3/3) 333-2320 FAX (3/3) 333-24/0	A (010) 23-2	4/6					
company name:	Ensolum, LLC			BILL TO	G			ANALYSIS REQUEST
Project Manager: Ben Belill	r: Ben Belill			P.O. #:				
Address: 3122	Address: 3122 National Parks Hwy	vy		Company: XTO Er	Energy Inc.			
city: Carlsbad	đ	State: NM	Zip: 88220	Attn: Amy Ruth				
e #	337 257-8307	Fax #:		Address: 3104 E.	Green St.			
Project #: 03C1558457	558457	Project Owner: XTO	r: XTO	city: Carlsbad				
Project Name: PLU 20 DTD	LU 20 DTD Pad A	-		State: NM Zip: 88220	8220	_		
Project Location:	11			Phone #:		-		
Sampler Name: Omar Hamdy	Omar Hamdy			Fax #:		_		
FOR LAB USE ONLY			MATRIX	ESERV.	SAMPLING			
Lab I.D.	Sample I.D.	Sample Depth (feet)	(G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL	SLUDGE OTHER : ACID/BASE: ICE / COOL OTHER :	TIME	BTEX TPH	CHLORIDE	
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PLEASE NOTE: Liability and analyses. All claims including	d Damages. Cardinal's liability and c	Inn's exclusive remedy for a	YD COS Or W V W <td>act or fort, shall be limited to the amou and received by Cardinal within 30 dat</td> <td>112.2.5 v nt paid by the client for the safter completion of the ap</td> <td>V</td> <td>7</td> <td></td>	act or fort, shall be limited to the amou and received by Cardinal within 30 dat	112.2.5 v nt paid by the client for the safter completion of the ap	V	7	
Affiliales or successors arising Relinquished By:	ing out of or related to the performance.	Date:	Inflates or successors arising out of or related to the performance of services hereunder by Cardinal, ingardless of whether such claim is based upon any of the above stated reasons or otherwise. Refinquished By: Date: Verbal Res: Verbal Res: Verbal Researcher by Cardinal, ingardless of whether such claim is based upon any of the above stated reasons or otherwise.	aim is based upon any of the above sta	ed reasons or otherwise.	t: UY	Yes No	vo Add'I Phone #: provide Email address:
0	10mg	Time: 1.4	0.Day an	5	bbelill@ens	e emailed	 Please TMorris 	Aii resuits are emailed. Freese province Email address. bbellil@ensolum.com>, TMorrissey@ensolum.com
Relinquished By:	л 1	Date:	Received By:		REMARKS: nAPP2418460531	nAPP241	8460531	
		Time						

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

Observed Temp. Corrected Temp.

Sample Condition Cool Intact Yes Yes No No No

CHECKED BY: (Initials) 3

Correction Factor -0.5°C

Rush 24 hrs

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

Corrected Temp. °C Observed Temp. °C

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Time:

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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Bacteria (only) Sample Condition Cool Intact Observed Temp. °C		Isolum.com	Add'l Phone #: de Email address:																				ANALYSIS REQUEST		CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 278 of 286

Page 51 of 51

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

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

District III

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

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

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

QUESTIONS

Action 387331

QUESTIO	NS
Operator:	OGRID:
XTO ENERGY, INC	5380
6401 Holiday Hill Road	Action Number:
Midland, TX 79707	387331
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2418460531
Incident Name	NAPP2418460531 PLU 20 DTD PAD A @ 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 20 DTD Pad A
Date Release Discovered	06/28/2024
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: 24 BBL Recovered: 5 BBL Lost: 19 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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

QUESTIONS, Page 2

Action 387331

QUESTIONS (continued) Operator: OGRID: **XTO ENERGY, INC** 5380 6401 Holiday Hill Road Action Number: Midland, TX 79707 387331 Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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

Initial Response	
The responsible party must undertake the following actions immediately unless they could create a s	afety hazard that would result in injury.
The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	Not answered.
	ation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of ted or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of valuation in the follow-up C-141 submission.
to report and/or file certain release notifications and perform corrective actions for relea the OCD does not relieve the operator of liability should their operations have failed to a	knowledge and understand that pursuant to OCD rules and regulations all operators are required ases which may endanger public health or the environment. The acceptance of a C-141 report by adequately investigate and remediate contamination that pose a threat to groundwater, surface t does not relieve the operator of responsibility for compliance with any other federal, state, or

I hereby agree and sign off to the above statement	Name: Colton Brown Title: Environmental Advisor Email: colton.s.brown@exxonmobil.com
	Date: 09/26/2024

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

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District IV 1220 S. St Francis Dr., Santa Fe, NM 87505

Phone: (505) 476-3470 Fax: (505) 476-3462

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

QUESTIONS, Page 3

Page 281 of 286

Action 387331

QUESTIONS (continued)

Operator:	OGRID:
XTO ENERGY, INC	5380
6401 Holiday Hill Road	Action Number:
Midland, TX 79707	387331
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Site Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 100 and 500 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release ar	id the following surface areas:
A continuously flowing watercourse or any other significant watercourse	Between 100 and 200 (ft.)
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 100 and 200 (ft.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Between 1 and 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
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

Deguacting a remodiction	plan approval with this submission	
1 0	plan approval with this submission	Yes
	,	on associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.
Have the lateral and vertica	al extents of contamination been fully delineated	Yes
Was this release entirely c	ontained within a lined containment area	No
Soil Contamination Sampling	g: (Provide the highest observable value for each, in m	nilligrams per kilograms.)
Chloride	(EPA 300.0 or SM4500 CI B)	528
TPH (GRO+DRO+MRO)	(EPA SW-846 Method 8015M)	0
GRO+DRO	(EPA SW-846 Method 8015M)	0
BTEX	(EPA SW-846 Method 8021B or 8260B)	0
Benzene	(EPA SW-846 Method 8021B or 8260B)	0
	NMAC unless the site characterization report includes complete	ed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NM
which includes the anticipated tin	nelines for beginning and completing the remediation.	
	nelines for beginning and completing the remediation. ill the remediation commence	07/08/2024
On what estimated date wi		
On what estimated date wi On what date will (or did) th	ill the remediation commence	07/08/2024
On what estimated date wi On what date will (or did) th On what date will (or was)	ill the remediation commence he final sampling or liner inspection occur	07/08/2024 07/11/2024
On what estimated date wi On what date will (or did) th On what date will (or was) What is the estimated surfa	ill the remediation commence he final sampling or liner inspection occur the remediation complete(d)	07/08/2024 07/11/2024 07/11/2024
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On what estimated date wi On what date will (or did) th On what date will (or was) What is the estimated surfa What is the estimated volum What is the estimated surfa	ill the remediation commence he final sampling or liner inspection occur the remediation complete(d) ace area (in square feet) that will be reclaimed me (in cubic yards) that will be reclaimed	07/08/2024 07/11/2024 07/11/2024 32600 2450

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

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

QUESTIONS, Page 4

Action 387331

QUES I IONS (continued)	
Operator:	OGRID:
XTO ENERGY, INC	5380
6401 Holiday Hill Road	Action Number:
Midland, TX 79707	387331
	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. Name: Colton Brown Title: Environmental Advisor I hereby agree and sign off to the above statement Email: colton.s.brown@exxonmobil.com Date: 09/26/2024

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.

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

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

District III

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

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

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

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Action 387331

QUESTIONS (continued)	
Operator: XTO ENERGY, INC	OGRID: 5380
6401 Holiday Hill Road Midland, TX 79707	Action Number: 387331
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)
QUESTIONS	

Deferral Requests Only

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

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QUESTIONS, Page 6

Action 387331

QUESTIONS (continued)		
Operator:	OGRID:	
XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	5380	
	Action Number:	
	387331	
	Action Type:	
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)	

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	363347
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	07/17/2024
What was the (estimated) number of samples that were to be gathered	150
What was the sampling surface area in square feet	30000

Remediation Closure Request

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	32600
What was the total volume (cubic yards) remediated	2450
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	32600
What was the total volume (in cubic yards) reclaimed	2450
Summarize any additional remediation activities not included by answers (above)	Site assessment and excavation activities were conducted at the Site to address the June 28, 2024, release of produced water. Laboratory analytical results for the excavation soil samples, collected from the final excavation extent, indicated that all COC concentrations were compliant with the Site Closure Criteria. Based on the soil sample analytical results, no further remediation was required. XTO backfilled the excavation with material purchased locally and recontoured the Site to match pre-existing site conditions.
	closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of
o report and/or file certain release notifications and perform corrective actions for relea	knowledge and understand that pursuant to OCD rules and regulations all operators are required ises which may endanger public health or the environment. The acceptance of a C-141 report by adequately investigate and remediate contamination that pose a threat to groundwater, surface t does not relieve the operator of responsibility for compliance with any other federal, state, or

I hereby agree and sign off to the above statement Email: colton.s.brown@exxonmobil.com Date: 09/26/2024	

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QUESTIONS, Page 7

Action 387331

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QUESTIONS (continued) Operator: OGRID: XTO ENERGY, INC 5380 6401 Holiday Hill Road Action Number: Midland, TX 79707 387331 Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure) QUESTIONS Reclamation Report

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

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CONDITIONS

Action 387331

CONDITIONS		
Operator:	OGRID:	
XTO ENERGY, INC	5380	
6401 Holiday Hill Road	Action Number:	
Midland, TX 79707	387331	
	Action Type:	
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)	

CONDITIONS

Created By Condition Condition Date rhamlet We have received your Remediation Closure Report for Incident #NAPP2418460531 PLU 20 DTD PAD A, thank you. This Remediation Closure Report is 10/10/2024 approved.