

December 6, 2023

New Mexico Oil Conservation Division

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

Re: Closure Request

Ogden Substation Tank Overflow Incident Number nAPP2230983706 Eddy County, New Mexico

To Whom It May Concern:

Ensolum, LLC (Ensolum), on behalf of BTA Oil Producers, LLC (BTA), has prepared this *Closure Request* to document assessment, excavation, and soil sampling activities performed at the Ogden Substation Tank Overflow (Site). The purpose of the Site assessment, excavation, and soil sampling activities was to assess the integrity of the lined storage tank containment and address the impacted soil outside of containment, resulting from a produced water release at the Site. Based on field observations, excavation activities, and laboratory analytical results from the soil sampling events, BTA is submitting this Closure Request and requesting no further action for Incident Number nAPP2230983706.

SITE DESCRIPTION AND RELEASE SUMMARY

The Site is located in Unit E, Section 32, Township 23 South, Range 28 East, in Eddy County, New Mexico (32.26246°, -104.11691°) and is associated with oil and gas exploration and production operations on Federal Land managed by the Bureau of Land Management (BLM).

On November 4, 2022, a transfer pump failed to start, causing the produced water tanks to overflow into the secondary lined containment. The lined containment overflowed and produced water was released onto the surface of the well pad. Approximately 988 barrels (bbls) of produced water were released. A vacuum truck was dispatched to the Site to recover free-standing fluids; approximately 972 bbls of produced water were recovered from ground surface and lined containment. BTA reported the release immediately to the New Mexico Oil Conservation Division (NMOCD) via email on November 4, 2022, and submitted a Release Notification Form C-141 (Form C-141) on November 18, 2022. The release was assigned Incident Number nAPP2230983706.

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, Section 12 (19.15.29.12) of the New Mexico Administrative Code (NMAC). Results from the characterization desktop review are presented on the Form C-141, Site Assessment/Characterization. Potential Site receptors are identified on Figure 1.

Ensolum, LLC | Environmental, Engineering & Hydrogeologic Consultants 601 North Marienfeld Street, Suite 400 | Midland, TX 79701 | ensolum.com

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Depth to groundwater at the Site is estimated to be between 51 feet to 100 feet below ground surface (bgs) based on the closest groundwater well data. The closest groundwater well with depth to groundwater data is United States Geological Survey (USGS) well 321552104071601, located approximately 0.3 miles northwest of the Site. The groundwater well has a reported depth to groundwater of 57 feet bgs and a total depth of 93 feet bgs. All wells used for depth to groundwater determination are depicted on Figure 1 and the referenced well records are included in Appendix A.

The closest continuously flowing or significant watercourse to the Site is an irrigation canal, located approximately 2,354 feet southeast 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 underlain by unstable geology (high 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 November 21, 2022, Ensolum personnel were at the Site to evaluate the release extent based on information provided on the Form C-141 and visual observations. Ten soil samples (SS01 through SS10) were collected within and around the release at a depth of approximately 0.5 feet bgs to assess the extent of the release. The soil samples were field screened for volatile organic compounds (VOCs) utilizing a calibrated photoionization detector (PID) and chloride utilizing Hach® chloride QuanTab® test strips. The release extent and soil sample locations were mapped utilizing a handheld Global Positioning System (GPS) unit and are depicted on Figure 2. Photographic documentation was completed during the Site visit and a photographic log is included in Appendix B.

On January 25 and 26, 2023, delineation activities were conducted at the Site to assess the vertical extent of the release. Potholes PH01 through PH06 were advanced via track mounted backhoe within the release extent at the locations of soil samples SS01 through SS06. The delineation potholes were advanced to a depth of 4 feet bgs. Discrete delineation soil samples were collected from each pothole at depths ranging from 1-foot to 4 feet bgs. Soil from the potholes was field screened using the same procedures described above. Field screening results and observations for the potholes were logged on lithologic/soil sampling logs, which are included in Appendix C. The delineation soil sample locations are depicted on Figure 2.

The delineation soil samples were placed directly into pre-cleaned glass jars, labeled with the location, date, time, sampler name, method of analysis, and immediately placed on ice. The soil samples were transported under strict chain-of-custody procedures to Cardinal Laboratories (Cardinal) in Hobbs, New Mexico, for analysis of the following for the following chemicals of concern (COCs): BTEX following United States Environmental Protection Agency (EPA) Method 8021B; TPH-gasoline range organics (GRO), TPH-diesel range organics (DRO), and TPH-oil range organics (ORO) following EPA Method 8015M/D; and chloride following Standard Method (SM) SM4500. Soil samples delivered to the laboratory the same day they are collected may not have equilibrated to the 6 degrees Celcius required for shipment and long term storage, but are considered to have been received in acceptable condition.



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Laboratory analytical results for soil samples SS01 through SS06, collected within the release extent, indicated chloride and/or TPH concentrations exceeded the Site Closure Criteria. Laboratory analytical results for soil samples SS07 through SS10, collected around the release extent, indicated all COC concentrations were compliant with the Site Closure Criteria and successfully defined the lateral extent of the release.

Laboratory analytical results for the delineation soil samples collected from potholes PH01 through PH03 indicated chloride concentrations exceeded the Site Closure Criteria at depths ranging from 1-foot to 2 feet bgs. Laboratory analytical results for the delineation soil samples from potholes PH04 through PH06, collected at depths ranging from 1-foot to 4 feet bgs, indicated all COC concentrations were compliant with the Site Closure Criteria. The laboratory analytical results are summarized on the attached Table 1 and the complete laboratory analytical reports are included in Appendix D.

LINER INTEGRITY INSPECTION AND EXCAVATION ACTIVITIES

A 48-hour advance notice of liner inspection was provided via email to the NMOCD on October 26, 2023. A liner integrity inspection was completed for the storage tank containment liner by Ensolum personnel on October 30, 2023. Upon inspection, no rips, tears, holes, or damage was observed. The liner was determined to be sufficient.

Between October 18, 2022 and November 29, 2023, Ensolum personnel were at the Site to oversee excavation of the impacted soil outside of the lined containment. Impacted soil was excavated as indicated by visible staining, field screening activities, and laboratory analytical results for the delineation soil samples. Excavation activities were performed via hand shoveling and backhoe. To direct excavation activities, soil was screened for VOCs and chloride. The excavation was completed to depths ranging from 1-foot to 4 feet bgs.

Following the excavation activities, 5-point composite samples were collected from the floor and sidewalls of the excavation. The 5-point composite samples were collected by placing five equivalent aliquots of soil into a 1-gallon, resealable plastic bag and homogenizing the samples by thoroughly mixing. Composite soil samples FS01 through FS44 were collected from the floor of the excavation at depths ranging from 1-foot to 4 feet bgs. Composite soil samples SW01 through SW13 were collected from the sidewalls of the excavation at depths ranging from the ground surface to 4 feet bgs. The soil samples were collected, handled, and analyzed following the same procedures as described above. The excavation extent and excavation soil sample locations were mapped utilizing a handheld GPS unit and are depicted on Figure 3. A photographic log of the excavation is included as Appendix B.

Laboratory analytical results for excavation soil samples FS01 through FS44, SW01 through SW08, and SW10 through SW13, collected from the final excavation extent, indicated all COC concentrations were compliant with the Site Closure Criteria. The laboratory analytical results are summarized on Table 1 and the complete laboratory analytical reports are included as Appendix D.

The excavation measured approximately 8,845 square feet in areal extent. A total of approximately 504 cubic yards of impacted soil was removed during the excavation activities. The impacted soil was transported and properly disposed of at the R360 Disposal Facility located in Hobbs, New Mexico. After completion of confirmation sampling, the excavation was backfilled.



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CLOSURE REQUEST

Site assessment and excavation activities were conducted at the Site to address impacted soil resulting from the November 4, 2022, produced water release within the secondary lined containment and onto the well pad surface. A liner inspection was conducted by Ensolum personnel on October 30, 2023. Upon inspection, no rips, tears, holes, or damage was observed, and the liner was determined to be sufficient. Impacted soil was excavated from the release area outside of the lined containment. Laboratory analytical results for the excavation soil samples, collected from the final excavation extent, indicated all COC concentrations were compliant with the Site Closure Criteria. In addition, laboratory analytical results for lateral delineation soil samples SS07 through SS10 indicated all COC concentrations were compliant with the strictest Table I Closure Criteria and successfully defined the lateral extent of the release. Based on the soil sample analytical results, no further remediation is required.

Initial response efforts and excavation of impacted soil have mitigated impacts at the Site. Depth to groundwater is estimated to be between 51 feet and 100 feet bgs and no other sensitive receptors were identified near the Site. BTA believes the remedial actions completed are protective of human health, the environment, and groundwater. As such, BTA respectfully requests closure for Incident Number nAPP2230983706. Notifications submitted to the NMOCD are included in Appendix E and the final Form C-141 is included as Appendix F.

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

Sincerely, **Ensolum, LLC**

Hadlie Green

Project Geologist

Madrie Dreen

Aimee Cole

Senior Managing Scientist

mée Cale

cc: Kelton Beaird, BTA

Bureau of Land Management

Appendices:

Figure 1 Site Receptor Map

Figure 2 Delineation Soil Sample Locations
Figure 3 Excavation Soil Sample Locations
Table 1 Soil Sample Analytical Results
Appendix A Referenced Well Records

Appendix B Photographic Log

Appendix C Lithologic Soil Sampling Logs

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

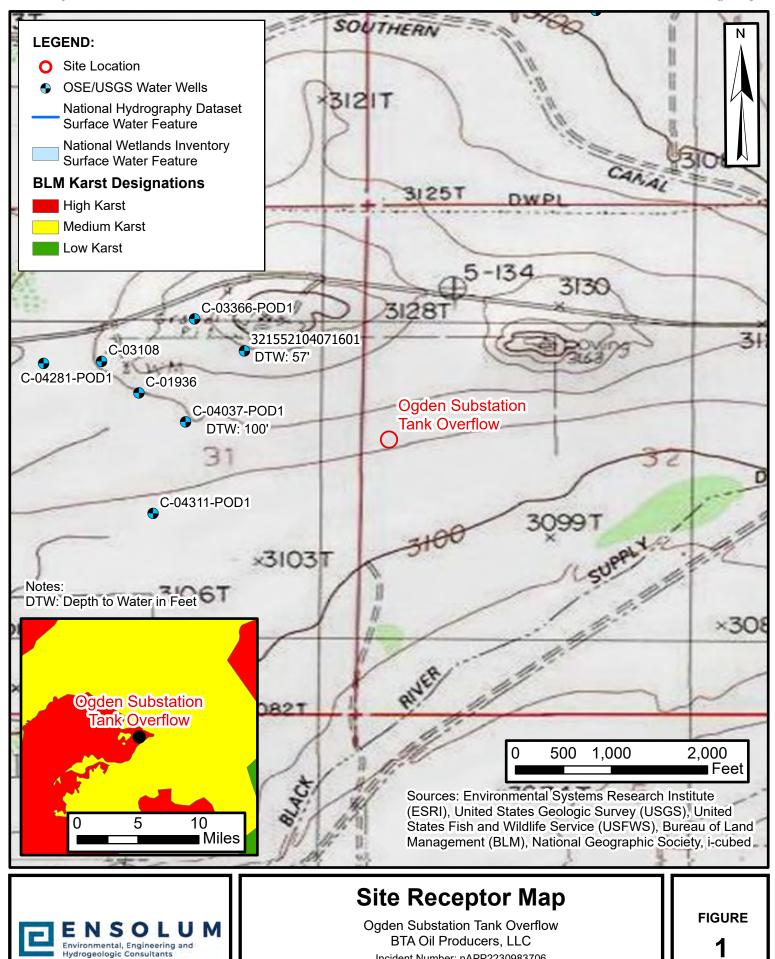
Appendix E NMOCD Notifications

Appendix F Final C-141



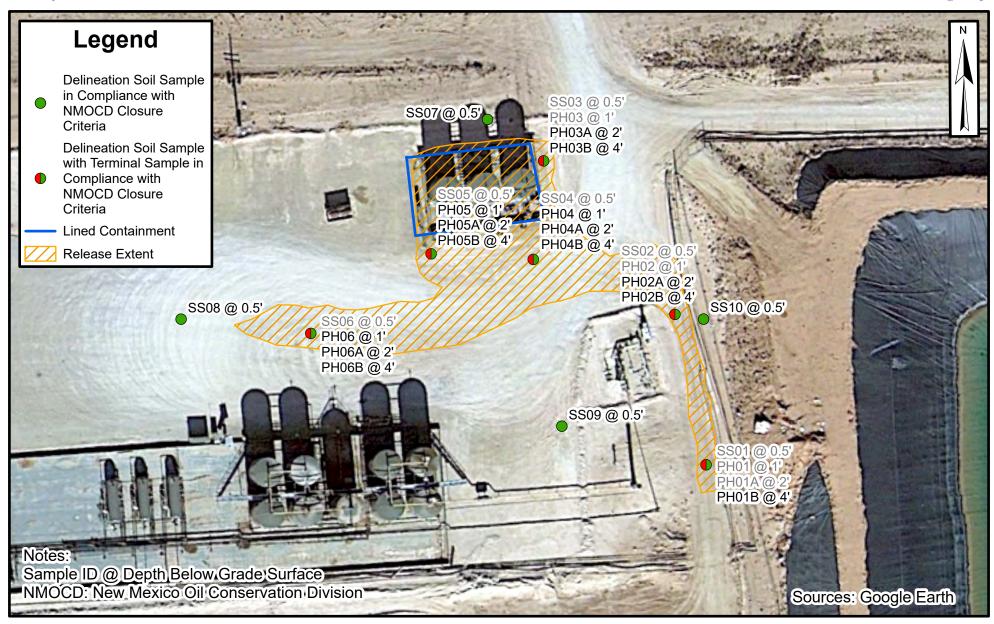


FIGURES



Incident Number: nAPP2230983706 Unit E, Sec 32, T23S, R28E Eddy County, New Mexico

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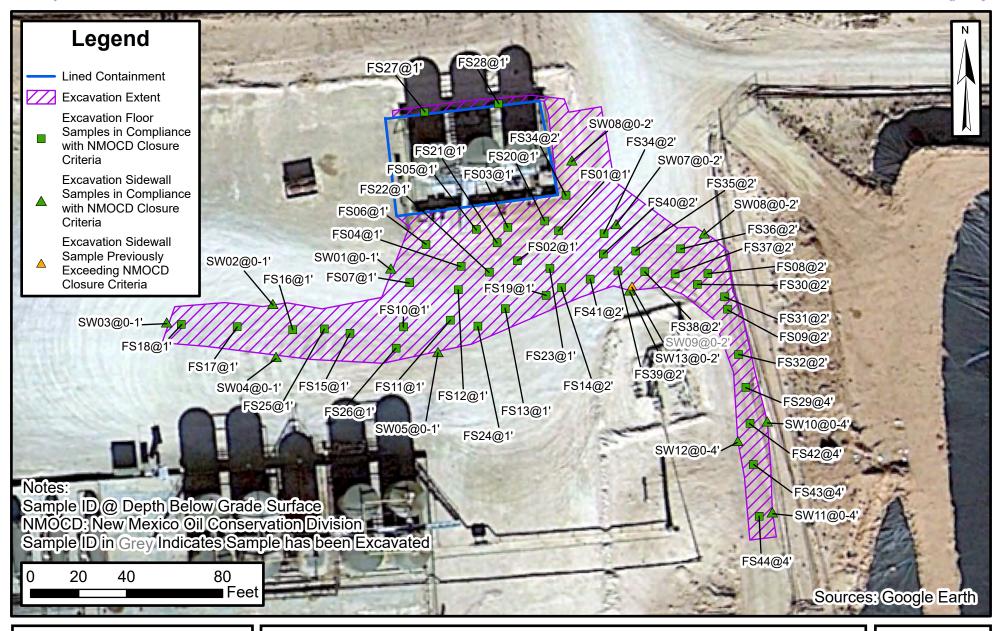


Delineation Soil Sample Locations

Ogden Substation Tank Overflow BTA Oil Producers, LLC

Incident Number: nAPP2230983706 Unit E, Sec 32, T23S, R28E Eddy County, New Mexico **FIGURE**

2





Excavation Soil Sample Locations

Ogden Substation Tank Overflow BTA Oil Producers, LLC

Incident Number: nAPP2230983706 Unit E, Sec 32, T23S, R28E Eddy County, New Mexico **FIGURE**

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TABLES

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TABLE 1 SOIL SAMPLE ANALYTICAL RESULTS Ogden Substation Tank Overflow BTA Oil Producers, LLC 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 ((NMAC 19.15.29)	10	50	NE	NE	NE	NE	100	600
				Deli	neation Soil Sa	mples				
SS01	11/21/2022	0.5	< 0.050	<0.300	<10.0	86.7	10.9	86.7	97.6	12,000
SS02	11/21/2022	0.5	< 0.050	<0.300	<10.0	165	20.4	165	185.4	16,000
SS03	11/21/2022	0.5	< 0.050	<0.300	<10.0	125	20.5	125	145.4	18,600
SS04	11/21/2022	0.5	< 0.050	<0.300	<10.0	348	52.9	348	400.9	38,000
SS05	11/21/2022	0.5	< 0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	17,000
SS06	11/21/2022	0.5	< 0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	12,800
SS07	11/21/2022	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	288
SS08	11/21/2022	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	208
SS09	11/21/2022	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	384
SS10	11/21/2022	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112
PH01	01/25/2023	1	< 0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,940
PH01A	01/25/2023	2	< 0.050	<0.300	<10.0	23.8	<10.0	23.8	23.8	2,210
PH01B	01/25/2023	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	448
PH02	01/25/2023	1	< 0.050	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	848
PH02A	01/25/2023	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	368
PH02B	01/25/2023	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160
PH03	01/25/2023	1	< 0.050	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,140
PH03A	01/25/2023	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	352
PH03B	01/25/2023	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	368
PH04	01/25/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	592
PH04A	01/25/2023	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144
PH04B	01/25/2023	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	192
PH05	01/25/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0
PH05A	01/25/2023	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144
PH05B	01/25/2023	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0
PH06	01/25/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	306
PH06A	01/25/2023	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128
PH06B	01/25/2023	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	208

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Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I C	Closure Criteria (NMAC 19.15.29)	10	50	NE	NE	NE	NE	100	600
				Excava	tion Floor Soil	Samples				
FS01	10/19/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0
FS02	10/19/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
FS03	10/19/2023	1	<0.050	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
FS04	10/19/2023	1	< 0.050	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
FS05	10/19/2023	1	< 0.050	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
FS06	10/19/2023	1	< 0.050	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
FS07	10/19/2023	1	< 0.050	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
FS08	10/20/2023	2	< 0.050	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	448
FS09	10/20/2023	2	< 0.050	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	432
FS10	10/20/2023	1	< 0.050	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
FS11	10/20/2023	1	< 0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
FS12	10/20/2023	1	< 0.050	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
FS13	10/20/2023	1	< 0.050	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
FS14	11/16/2023	2	< 0.050	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	464
FS15	10/23/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	256
FS16	10/23/2023	1	<0.050	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112
FS17	10/23/2023	1	<0.050	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160
FS18	10/23/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112
FS19	10/24/2023	1	< 0.050	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	320
FS20	10/24/2023	1	< 0.050	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	256

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Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I C	Closure Criteria (NMAC 19.15.29)	10	50	NE	NE	NE	NE	100	600
FS21	10/24/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112
FS22	10/24/2023	1	<0.050	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0
FS23	10/24/2023	1	<0.050	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
FS24	10/24/2023	1	<0.050	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
FS25	10/24/2023	1	<0.050	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112
FS26	10/24/2023	1	<0.050	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
FS27	10/24/2023	1	<0.050	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0
FS28	10/24/2023	1	<0.050	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112
FS29	10/24/2023	4	<0.050	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	464
FS30	10/24/2023	2	<0.050	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128
FS31	10/24/2023	2	<0.050	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	192
FS32	10/24/2023	2	<0.050	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	448
FS33	11/16/2023	2	<0.050	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	352
FS34	11/16/2023	2	<0.050	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	384
FS35	11/16/2023	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	512
FS36	11/16/2023	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	272
FS37	11/16/2023	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	240
FS38	11/16/2023	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	336
FS39	11/16/2023	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	416
FS40	11/16/2026	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	496
FS41	11/16/2023	2	<0.050	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	352
FS42	11/16/2023	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	320
FS43	11/16/2023	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
FS44	11/16/2023	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0

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NMOCD Table I C	losure Criteria (NMAC 19.15.29)	10	50	NE	NE	NE	NE	100	600
				Excavati	on Sidewall So	il Samples				
SW01	10/19/2023	0 - 1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
SW02	10/23/2023	0 - 1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0
SW03	10/23/2023	0 - 1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0
SW04	10/23/2023	0 - 1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144
SW05	10/23/2023	0 - 1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112
SW06	11/16/2023	0 - 2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	336
SW07	11/16/2023	0 - 2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	432
SW08	11/16/2023	0 - 2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	448
SW09	11/16/2023	0 - 2	< 0.050	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,070
SW10	11/16/2023	0 - 4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
SW11	11/16/2023	0 - 4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
SW12	11/16/2023	0 - 4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
SW13	11/29/2023	0 - 2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	528

Notes:

bgs: below ground surface

mg/kg: milligrams per kilogram

NMOCD: New Mexico Oil Conservation Division

NE: Not Established

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

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

reclamation standard where applicable.

GRO: Gasoline Range Organics
DRO: Diesel Range Organics

ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

Grey text indicates sample has been excavated.

Ensolum 4 of 4



APPENDIX A

Referenced Well Records



USGS Home Contact USGS Search USGS

National Water Information System: Web Interface

USGS Water Resources	(Cooperator Access)	Data Category:		Geographic Area:		
oodo water resources	(cooperator Access)	Groundwater	~	United States	~	GO

Click to hideNews Bulletins

- Explore the NEW <u>USGS National Water Dashboard</u> interactive map to access real-time water <u>data</u> from over 13,500 stations nationwide.
- Full News

Groundwater levels for the Nation

Important: <u>Next Generation Monitoring Location Page</u>

Search Results -- 1 sites found

site no list =

• 321552104071601

Minimum number of levels = 1

Save file of selected sites to local disk for future upload

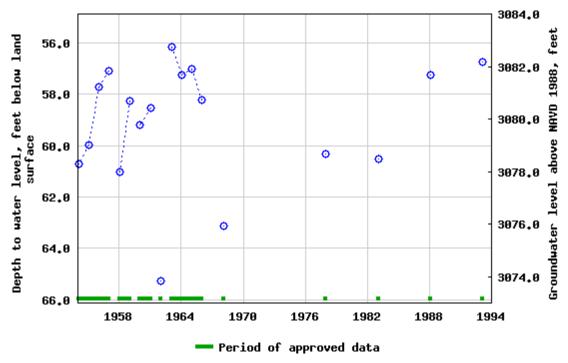
USGS 321552104071601 23S.28E.31.23142

Available data for this site	Groundwater:	Field measurements	~][GO			
Eddy County, New Mexico							
Hydrologic Unit Code 1306	0011						
Latitude 32°15'52", Longi	tude 104°0	7'16" NAD27					
Land-surface elevation 3,1	39 feet abo	ve NAVD88					
The depth of the well is 93	feet below	land surface.					
This well is completed in the	าe Other aq	uifers (N9999OT	HER)) natio	onal aq	uifer.	
This well is completed in the	าe Alluvium	, Bolson Deposits	and	l Othe	er Surfa	ace Depo	osits
(110AVMB) local aquifer.							

Output formats

Table of data	
<u>Tab-separated data</u>	
Graph of data	
Reselect period	

USGS 321552104071601 235,28E,31,23142



Breaks in the plot represent a gap of at least one year between field measurements. <u>Download a presentation-quality graph</u>

Questions about sites/data?
Feedback on this web site
Automated retrievals
Help
Data Tips
Explanation of terms
Subscribe for system changes
News

Accessibility

FOIA

Privacy

Policies and Notices

U.S. Department of the Interior | U.S. Geological Survey

Title: Groundwater for USA: Water Levels

URL: https://nwis.waterdata.usgs.gov/nwis/gwlevels?

Page Contact Information: <u>USGS Water Data Support Team</u>

Page Last Modified: 2023-02-02 08:52:08 EST

0.64 0.5 nadww01







2917 AUG 28 AN 10: 47

							The property of the second		The state of the s	a apparat
	OSE POD NO	. (WELL NO).)	WELL TAG II	NO.		OSE FILE NO(S	5).		
ION	C-4037									
AND WELL LOCATION	WELL OWN) idstream LLC				PHONE (OPTIO	ONAL)		
07										
TT	WELL OWN		g ADDRESS ce Suite 675				Houston	-	TX 77084	ZIP
WE	104.50 Falk	- Ten Fiat	e aute 0/3				riouston	 	17 77004	
QN.	WELL		DE	GREES MINUTES	SECOND					
	LOCATIO	N LA	TITUDE 32	15	45.	/ N]	REQUIRED: ONE TENT	TH OF A SECOND	
ER	(FROM GF	'S) LO	NGITUDE 104	07	23.8	8 W	* DATUM REC	UIRED: WGS 84		
GENERAL	DESCRIPTION	ON RELATI	NG WELL LOCATION TO	STREET ADDRESS AND COM	MON LANDMAI	RKS – PLS	S (SECTION, TO	WNSHJIP, RANGE) WH	ERE AVAILABLE	
1.(Well is off	of Bound	ls Rd. at Sendero ref	inery. Location is close	to the norther	n fence	line.			
	Lyamarya		L MANUE OF LIGHTER	DDW I PD			······································	NAME OF WELL DR	ILLING COMPANY	
	LICENSE NO WD-		NAME OF LICENSED	Clinton E. Ta	vlor				Water Well Service	٠
	DRILLING S		DRILLING ENDED	DEPTH OF COMPLETED WE	-	BODE HO	LE DEPTH (FT)	DEPTH WATER FIRE	ST ENCOUNTERED (FT)	
	7/17/2		7/18/2017	98.5	101)		100		60	
		· · · · · · · · · · · · · · · · · · ·		· · ·				STATIC WATER LEV	EL IN COMPLETED WE	LL (FT)
	COMPLETE	D WELL IS:	ARTESIAN	DRY HOLE SHA	ALLOW (UNCON	FINED)		•	34	
& CASING INFORMATION	DRILLING F	LUID:	☑ AIR	MUD ADI	DITIVES – SPECII	FY:		L ,		······
MAT			ROTARY	Ly.u.s			R - SPECIFY:			
OR	DRILLING N	terrioo:	P ROTART		· · · · · · · · · · · · · · · · · · ·		N-Breen T			<u> </u>
Ż	DEPTH	(feet bgl)	BORE HOLE	CASING MATERIAL GRADE	AND/OR	CA	ASING	CASING	CASING WALL	SLOT
S	FROM	ТО	DIAM	(include each casing st	ring, and		NECTION TYPE	INSIDE DIAM.	THICKNESS (inches)	SIZE (inches)
AS			(inches)	note sections of sc	reen)	(add coup	ling diameter)	(inches)		(=======
33	+1.5	58.5	8 1/2	PVC PVC			Spline	4 1/2	SDR 17	.032
N	58.5	98.5	8 1/2	PVC	-		Spline	4 1/2	3DK 17	.032
DRILLING	·									
2. DE										
7		 							<u> </u>	
										
1114					· ·					
	ПЕРТЫ	(feet bgl)	DODE HOLE	LIST ANNULA	R SEAT MAT	EDIAI /	AND	AMOUNT	метно	D OF
1		TO	BORE HOLE DIAM. (inches)	GRAVEL PACK S				(cubic feet)	PLACEN	
N.	FROM 0	20	8 1/2	20%	Bentonite Gro	nt		3 Sacks	Tren	nie
ATE	20	98,5	8 1/2		'8" Pea Gravel			2 Yards	Dun	<u> </u>
ANNULAR MATERIAL		, , , , , ,								
[A]										
NIN		<u>-</u> .								
3. A										
									1	
E07	OCE BEEF	NIAT TICT	,	1			337D 04	NAMELI DECORD	& LOG (Version 06/3	0/17)
	OSE INTER		737	POI	O NO.	1	TRN N	7 4817	76	WITT
	ATION D	-		235.28€.		4	WELL TAG II	<u> </u>	PAGE	1 OF 2
بالرار		11/1	J4111 .	シークノ・スリビ・	シャーン	` /l.	11 DAT THEFT	J 11 ().		

		1 N. W. Mark			9	. 25. 4	 	<u> </u>
3.47	DEPTH (feet bgI) TO	THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONE (attach supplemental sheets to fully describe all units)	S	WATER BEARING (YES / NO	i?	ESTIMATED YIELD FOR WATER- BEARING ZONES (gpm)
	0	. 5	5	Clay: rd,sme stringers of wht anhydrite		Y 🗸	N	
	5	32	27	Anhydrite:frstd,rd,cir,swht,fn xln-dns,sme rd silt stone		Y 🗸	N	· · · · · · · · · · · · · · · · · · ·
	32	52	20	Clay:rd,smth,stky in prt		Y 🗸	N	
1 1 14 77	52	60	8	Clay:rd brn,sndy,sity		Y •	N	
	60	82	22	Clay:rd,bm,slty,thin layers of frstd wht anhydrite,sme water		✓ Y	N	
יָר	82	100	18	Clay:rd brn,sme rd siltstone,sme thin layers of wht anhydrite		✓ Y	N	8.00
4. HYDROGEOLOGIC LOG OF WELL						Υ	N :	
OF						Y	N	
90					.	Y	N	
12						Y	N	
707						Y	N	
GEO						Y	N	
RO						Y	N	
HXI						Y	N	
4						Y	N	
						Y	N	
						Y	N	
·						Υ	N	
		•				Y	N	
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	METHOD U	SED TO ES	TIMATE YIELD	OF WATER-BEARING STRATA:		L ESTIMAT		
	₽ PUM	· Dal	IR LIFT	BAILER OTHER - SPECIFY:	WEL	L YIELD (gr	om):	8.00
NO	WELL TES			ACH A COPY OF DATA COLLECTED DURING WELL TESTING, INC ME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OV				
TEST; RIG SUPERVISI	MISCELLA	NEOUS INF	ORMATION: W	ater quality is about 3000 parts per million of total disolved solids.				
PEI								
G SI				•				
[]. R								
res	PRINT NAM	IE(S) OF DI	RILL RIG SUPER	VISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CON	STRUC	CTION OTHE	R TI	IAN LICENSEE:
ທ່								
3 3 SA				THE THAT TO THE DESCRIPTION OF THE PROPERTY OF				
SIGNATURE	CORRECT F	RECORD OF	F THE ABOVE D	IES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BEL ESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL I O DAYS AFTER COMPLETION OF WELL DRILLING:	IEF, TI RECOR	IE FOREGOI D WITH THI	ING I E ST	S A TRUE AND ATE ENGINEER
SIGN	(CE Taylor		8/23/201	17	
9	·	SIGNATI	URE OF DRILLE	R / PRINT SIGNEE NAME		DA	TF	
l		J-G. (131)				- DA		
FOR	OSE INTERI	NAL USE		WR-20 WE	LL REC	വേടന കഥവ	. (Ve	rsion 06/30/2017)

FILE NO.	POD NO.	 TRN NO.	
LOCATION		TAG ID NO.	PAGE 2 OF 2

Tom Blaine, P.E. State Engineer



Roswell Office 1900 WEST SECOND STREET ROSWELL, NM 88201

STATE OF NEW MEXICO OFFICE OF THE STATE ENGINEER

Trn Nbr:

604776

File Nbr:

C 04037

Well File Nbr: C 04037 POD1

Sep. 01, 2017

SAM HEFFINGTON TRAILHEAD ENGINEERING 16430 PARK TEN PLACE SUITE 675 HOUSTON, TX 77084

Greetings:

The well driller's record for the above numbered well has been received in this office indicating your well has been completed.

Your permit was granted with the condition that a meter(s) be installed and meter readings submitted to this office.

Per Condition 5B, please advise this office within 30 days, on the attached form, of the make, model, serial number, date of installation, and initial reading of the meter(s) prior to appropriation of the water.

If you have any questions, please feel free to contact us.

Yolanda Mendiola (575) 622 - 6521

Enclosure

wellcon5



APPENDIX B

Photographic Log



Photographic Log

BTA Oil Producers, LLC Ogden Substation Tank Overflow Incident Number nAPP2230983706



Photograph: 1 Date: 11/4/2022

Description: Soil staining in release footprint

View: West



Photograph: 2 Date: 11/21/2022

Description: Soil staining in release footprint

View: Northwest



Photograph: 3 Date: 11/21/2022

Description: Soil staining in release footprint

View: Northeast



Photograph: 4 Date: 1/25/2023

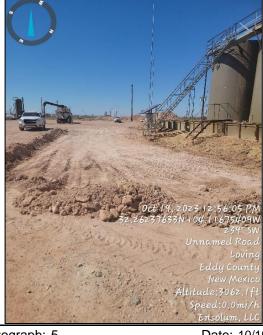
Description: Delineation activities

View: Northwest



Photographic Log

BTA Oil Producers, LLC Ogden Substation Tank Overflow Incident Number nAPP2230983706





Photograph: 5 Date: 10/19/2023

Description: Excavation activities

View: Southwest

Photograph: 6 Date: 11/29/2023

Description: Excavation activities

View: South





Photograph: 7 Date: 10/30/2023

Description: View of lined containment deemed to be in

good condition, facing east.

Photograph: 8 Date: 10/30/2023

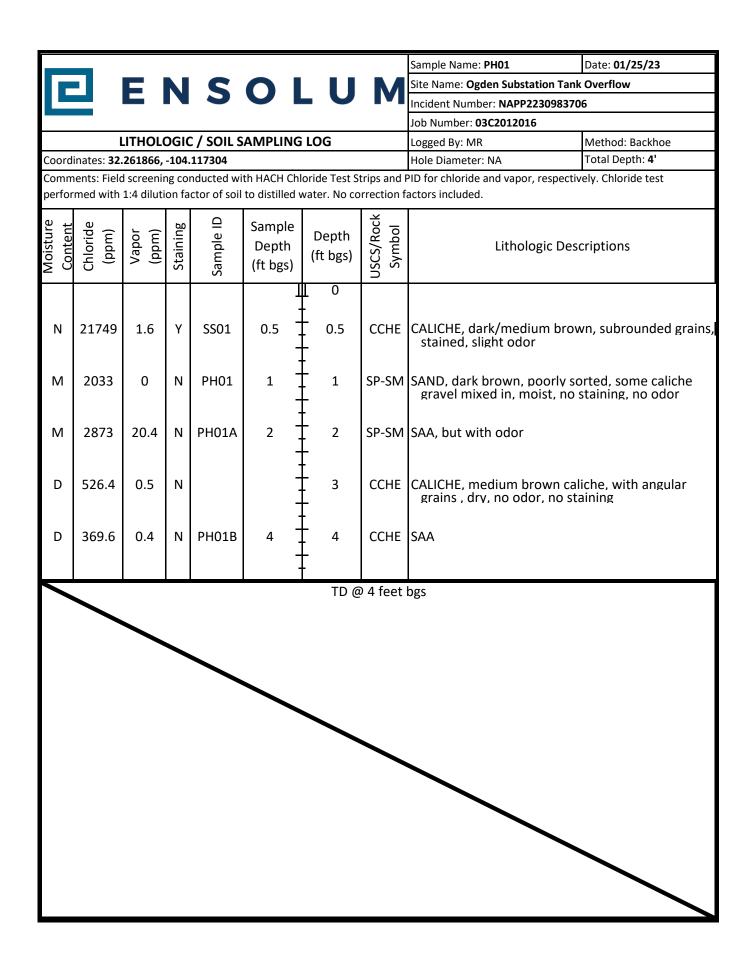
Description: View of lined containment with pooled rain water,

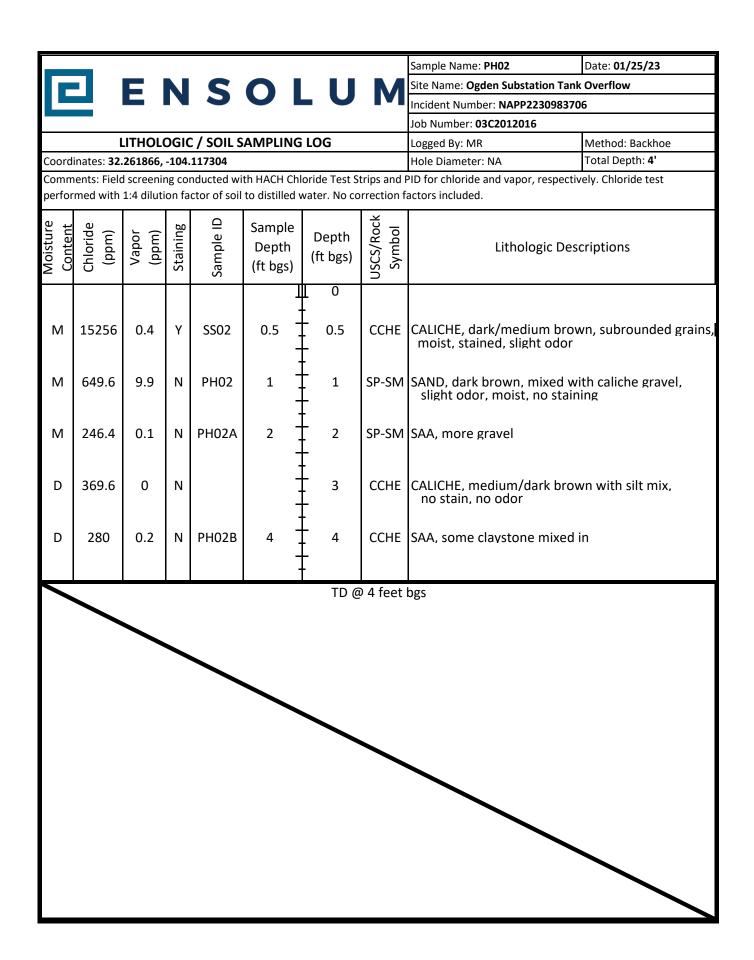
deemed to be in good condition, facing east.

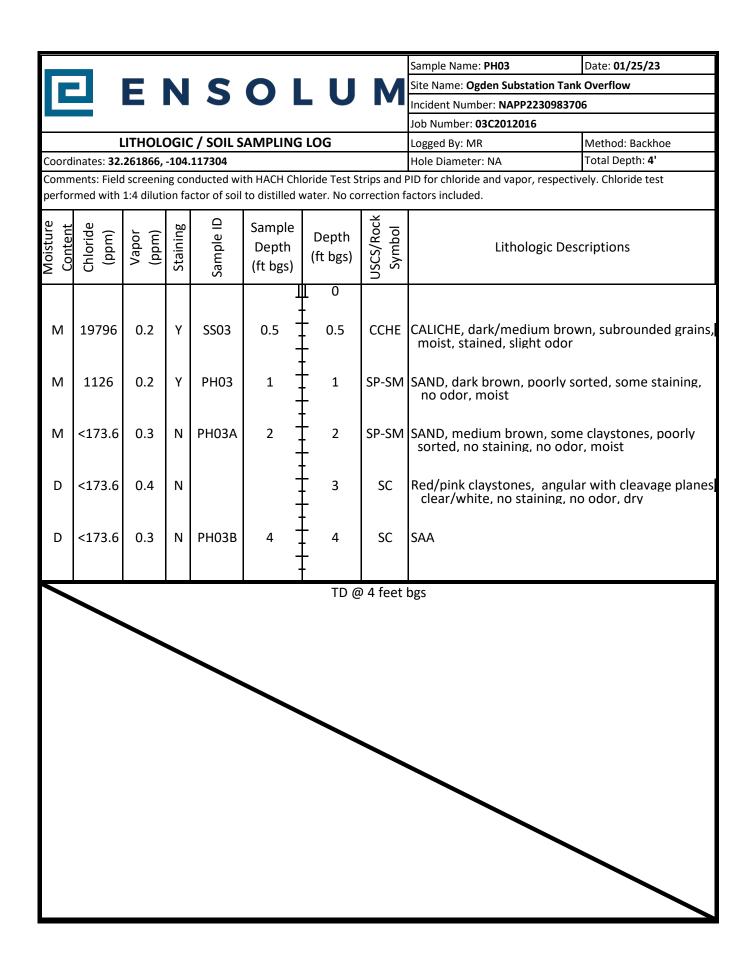


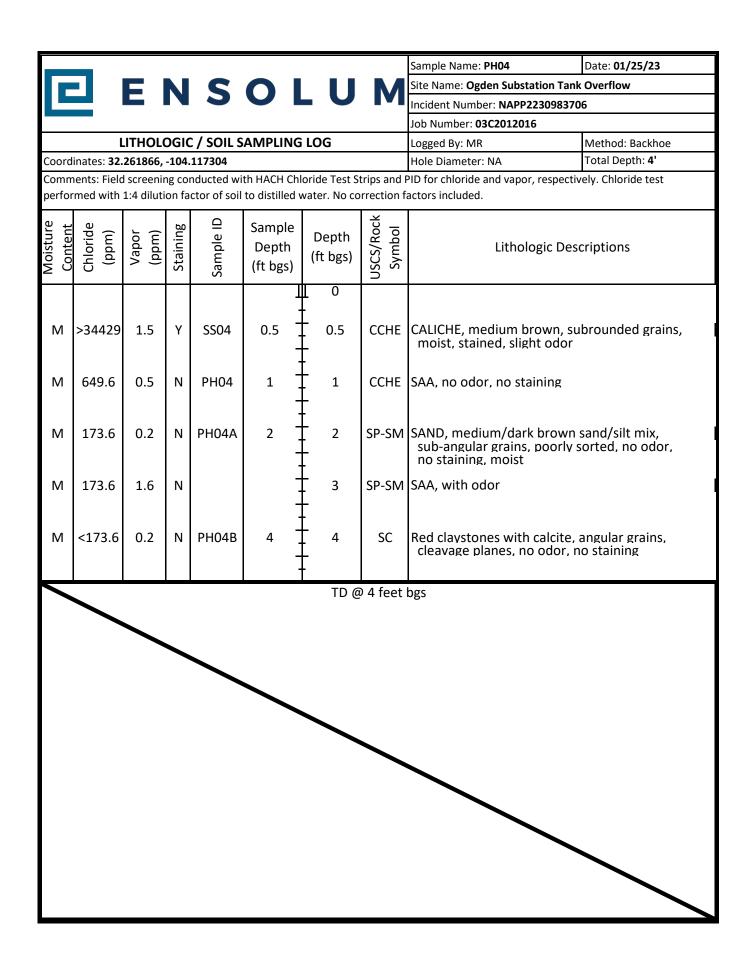
APPENDIX C

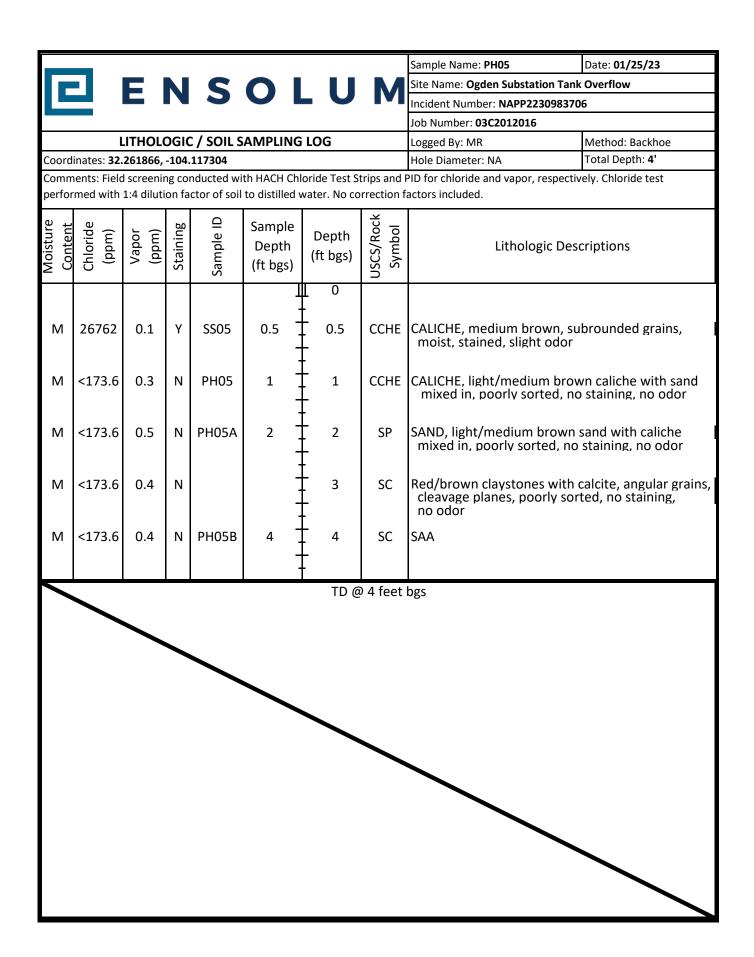
Lithologic Soil Sampling Logs



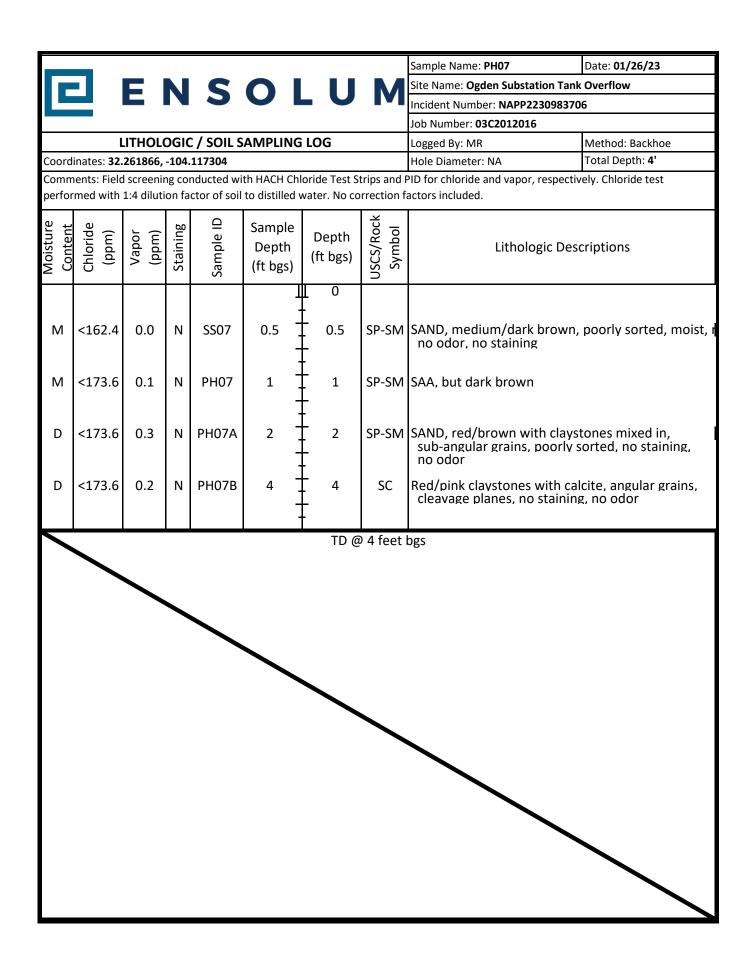


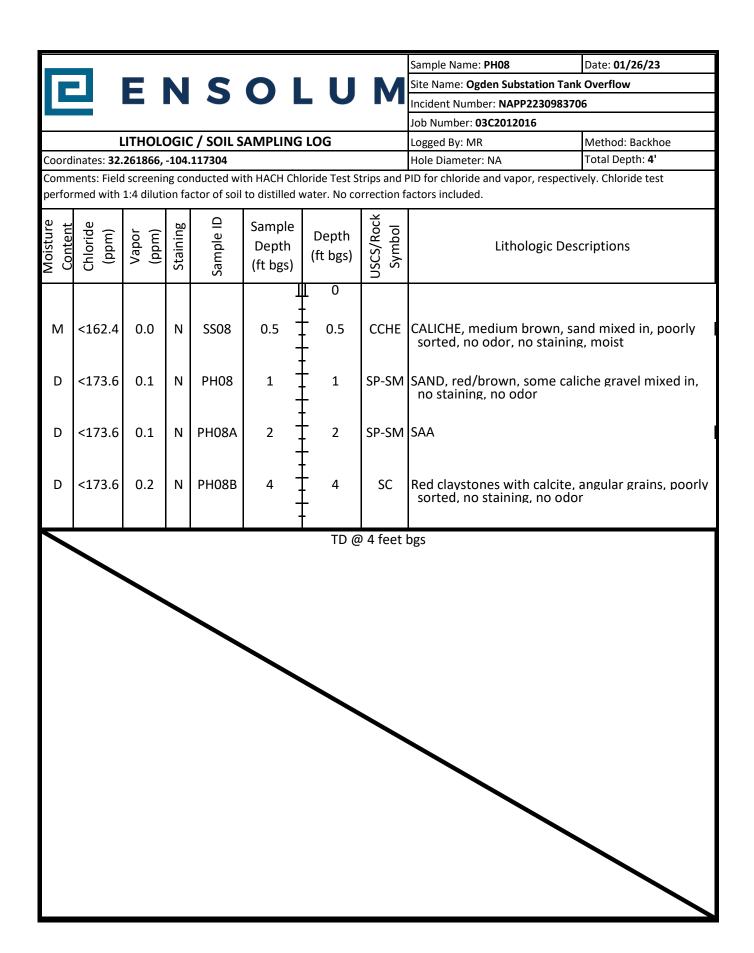


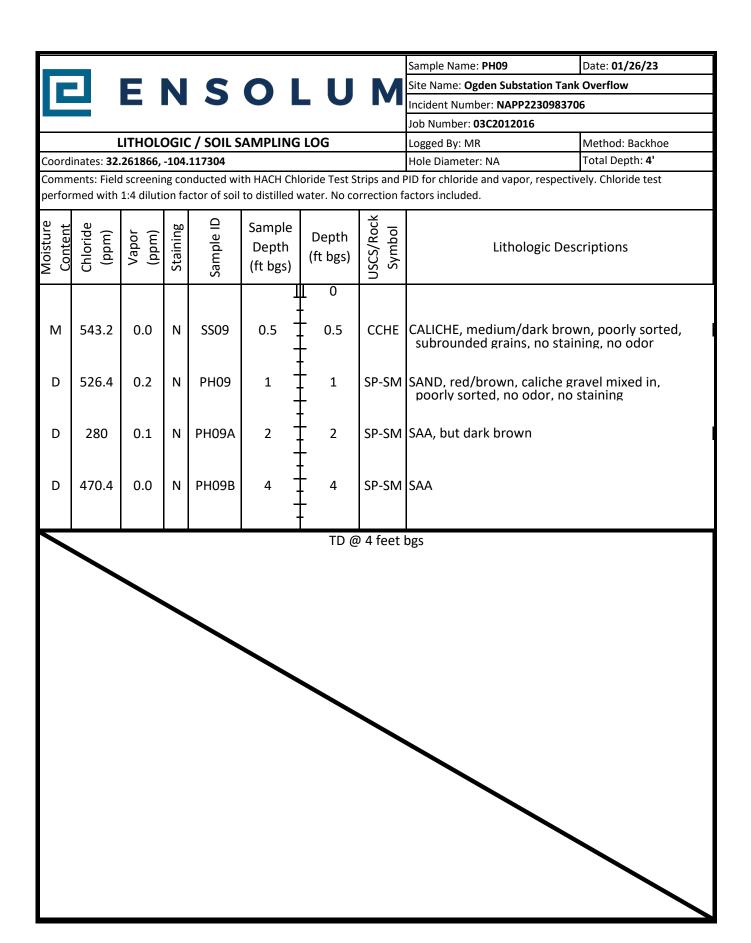


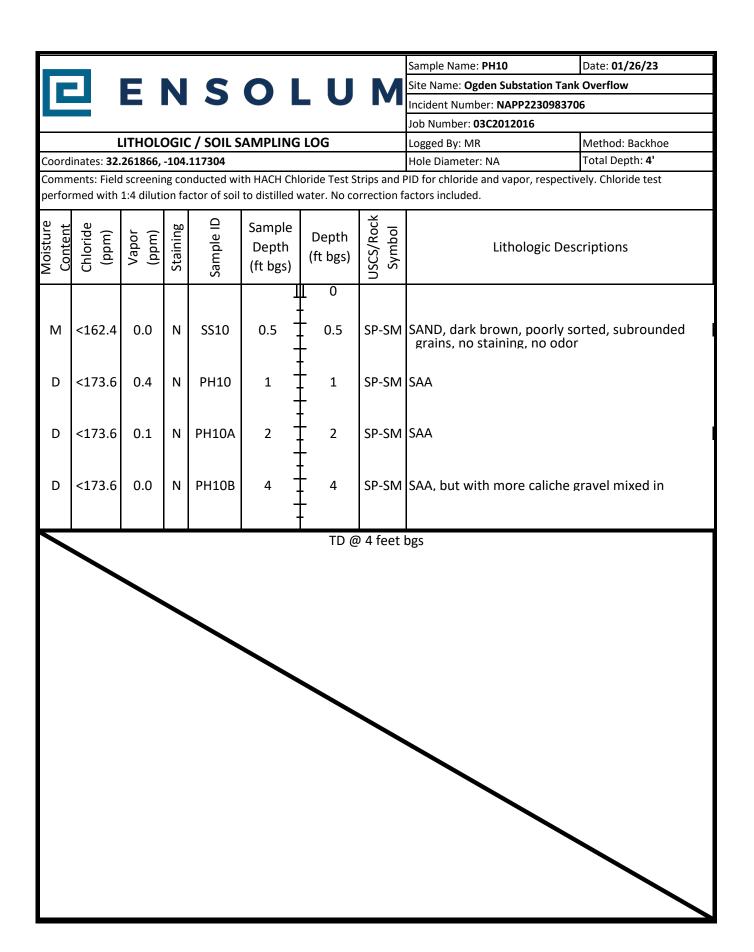


Site Name: Ogden Substation Tank Overflow Incident Number: NAPP2230983706 Job Number: 03C2012016 Job Number: 03C201201201 Job Number: 03C201201201 Job Number: 03C201201201 Job Number: 03C201201 Job Number: 03C201201 Job Number: 03C201201 Job Number: 03C		Date: 01/25/23	Sample Name: PH06								
Dig Number: 03C2012016 Do Number: 03C2012016 Dogged By: MR Method: Backhoe Coordinates: 32.261866, -104.117304 Hole Diameter: NA Total Depth: 4* Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included. Part Dig Ca Dig Ca Dig Ca Dig		L Company		B. 4			•				
Sample Depth Office Solidary Solid				V	. U	OL	3	V			
Proceedings											
Proceedings	 эе	Method: Backhoe			LOG	AMPLING	/ SOIL S	OGIC	ITHOLO	L	
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included. Part P											Coord
M 12006 0.0 Y SS06 0.5 0.5 CCHE CALICHE, medium brown, subrounded grain moist, stained, slight odor M 173.6 0.6 N PH06 1 1 CCHE SAA, slight odor, some silt M <173.6 0.6 N PH06A 2 2 CCHE SAA M <173.6 3.2 N SP-SM SAND, red/medium brown, minor claystone sub-angular grains, poorly sorted, slight odor sub-angular grains, poorly sorted, slight odor sub-angular poorly sorted, no odor, no staining	t	ectively. Chloride test					nducted wi	ng cor	screenin	ents: Field	Comm
M 12006 0.0 Y SS06 0.5 0.5 CCHE CALICHE, medium brown, subrounded grain moist, stained, slight odor M 173.6 0.6 N PH06 1 1 1 CCHE SAA, slight odor, some silt M <173.6 0.6 N PH06A 2 2 CCHE SAA M <173.6 3.2 N SP-SM SAND, red/medium brown, minor claystone sub-angular grains, poorly sorted, slight odor M <173.6 0.5 N PH06B 4 4 SC Red-brown claystones with calcite, angular poorly sorted, no odor, no staining		Pescriptions	Lithologic D	USCS/Rock Symbol	(ft bgs)	Depth	Sample ID	Staining	Vapor (ppm)	Chloride (ppm)	Moisture Content
M 173.6 0.6 N PH06 1 1 CCHE SAA, slight odor, some silt M <173.6 0.6 N PH06A 2 2 CCHE SAA M <173.6 3.2 N SP-SM SAND, red/medium brown, minor claystone sub-angular grains, poorly sorted, slight odor M <173.6 0.5 N PH06B 4 4 SC Red-brown claystones with calcite, angular poorly sorted, no odor, no staining					0	1					
M <173.6 0.6 N PH06A 2 2 CCHE SAA M <173.6 3.2 N SP-SM SAND, red/medium brown, minor claystone sub-angular grains, poorly sorted, slight of sub-angular grains, poorly sorted, slight of poorly sorted, no odor, no staining	ins,	subrounded grain or	CALICHE, medium brown, moist, stained, slight odd	ССНЕ	0.5	0.5	SS06	Υ	0.0	12006	М
M <173.6 3.2 N SP-SM SAND, red/medium brown, minor claystone sub-angular grains, poorly sorted, slight of sub-angular grains, poorly sorted, slight of poorly sorted, no odor, no staining		t	SAA, slight odor, some sili	CCHE	_ _ 1 _	1	PH06	N	0.6	173.6	М
M <173.6 0.5 N PH06B 4 4 SC Red-brown claystones with calcite, angular poorly sorted, no odor, no staining			SAA	ССНЕ	2	2	РН06А	N	0.6	<173.6	М
poorly sorted, no odor, no staining	nes, odor	n, minor claystone ly sorted, slight or	SAND, red/medium brow sub-angular grains, poor	SP-SM	3	 		N	3.2	<173.6	М
TD @ 4 feet bgs	r grains	th calcite, angular no staining	Red-brown claystones wit poorly sorted, no odor,	SC	- - 4	4	РНО6В	N	0.5	<173.6	М
TD @ 4 feet bgs			has	1 foot	TD @						$\overline{}$











APPENDIX D

Laboratory Analytical Reports & Chain of Custody Documentation



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

November 28, 2022

HADLIE GREEN

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: OGDEN SUBSTATION TANK OVERFLOW

Enclosed are the results of analyses for samples received by the laboratory on 11/21/22 14:42.

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

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

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

Celey D. Keene

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

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

Received: 11/21/2022 Reported: 11/28/2022

Project Name: OGDEN SUBSTATION TANK OVERFLOW

Project Number: 03C2012016

Project Location: BTA 32.261866,-104.117304

Sampling Date: 11/21/2022

Sampling Type: Soil

Sampling Condition: ** (See Notes)
Sample Received By: Shalyn Rodriguez

Sample ID: SS07 @ 0.5' (H225482-01)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/22/2022	ND	1.77	88.5	2.00	10.8	
Toluene*	<0.050	0.050	11/22/2022	ND	1.87	93.7	2.00	9.79	
Ethylbenzene*	<0.050	0.050	11/22/2022	ND	1.83	91.7	2.00	10.7	
Total Xylenes*	<0.150	0.150	11/22/2022	ND	5.59	93.1	6.00	9.77	
Total BTEX	<0.300	0.300	11/22/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	88.8	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	11/22/2022	ND	400	100	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	11/22/2022	ND	203	102	200	3.02	
DRO >C10-C28*	<10.0	10.0	11/22/2022	ND	215	108	200	3.73	
EXT DRO >C28-C36	<10.0	10.0	11/22/2022	ND					
Surrogate: 1-Chlorooctane	97.0	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	97.9	% 46.3-17	8						

Cardinal Laboratories *=Accredited Analyte

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

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



Sample Received By:

11/21/2022

Shalyn Rodriguez

Analytical Results For:

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

Received: 11/21/2022 Sampling Date: Reported: Sampling Type:

11/28/2022 Soil Project Name: OGDEN SUBSTATION TANK OVERFLOW Sampling Condition: ** (See Notes)

Project Number: 03C2012016

Project Location: BTA 32.261866,-104.117304

Sample ID: SS08 @ 0.5' (H225482-02)

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	11/22/2022	ND	1.77	88.5	2.00	10.8	
Toluene*	<0.050	0.050	11/22/2022	ND	1.87	93.7	2.00	9.79	
Ethylbenzene*	<0.050	0.050	11/22/2022	ND	1.83	91.7	2.00	10.7	
Total Xylenes*	<0.150	0.150	11/22/2022	ND	5.59	93.1	6.00	9.77	
Total BTEX	<0.300	0.300	11/22/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	86.4	% 69.9-14	0						
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	11/22/2022	ND	400	100	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	11/22/2022	ND	203	102	200	3.02	
DRO >C10-C28*	<10.0	10.0	11/22/2022	ND	215	108	200	3.73	
EXT DRO >C28-C36	<10.0	10.0	11/22/2022	ND					
Surrogate: 1-Chlorooctane	91.1	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	92.1	% 46.3-17	8						

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Analytical Results For:

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

Received: 11/21/2022 Reported: 11/28/2022

11/28/2022 OGDEN SUBSTATION TANK OVERFLOW

Project Name: OGDEN SUBS Project Number: 03C2012016

Project Location: BTA 32.261866,-104.117304

Sampling Date: 11/21/2022

Sampling Type: Soil

Sampling Condition: ** (See Notes)
Sample Received By: Shalyn Rodriguez

Sample ID: SS10 @ 0.5' (H225482-03)

BTEX 8021B	mg	/kg	Analyze	ed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/22/2022	ND	1.77	88.5	2.00	10.8	
Toluene*	<0.050	0.050	11/22/2022	ND	1.87	93.7	2.00	9.79	
Ethylbenzene*	<0.050	0.050	11/22/2022	ND	1.83	91.7	2.00	10.7	
Total Xylenes*	<0.150	0.150	11/22/2022	ND	5.59	93.1	6.00	9.77	
Total BTEX	<0.300	0.300	11/22/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	87.3	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	11/22/2022	ND	400	100	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/22/2022	ND	203	102	200	3.02	
DRO >C10-C28*	<10.0	10.0	11/22/2022	ND	215	108	200	3.73	
EXT DRO >C28-C36	<10.0	10.0	11/22/2022	ND					
Surrogate: 1-Chlorooctane	86.8	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	88.5	% 46.3-17	78						

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Celey & Keene



Notes and Definitions

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

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

*** Insufficient time to reach temperature.

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

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

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Celey D. Keine

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST



(575) 393-2326 FAX (575) 393-2476	75) 393-2476		
Company Name: Financia LL		BILL TO	ANALYSIS KEQUEST
· Hadie Gir		P.O. #:	
12 Nati	Hwy	Company: BTA Oil	
artsbad	State: NM Zip: 88270	Attn: Bob Hall	
e#: 432-557-8895	Fax#:	Address: 104 Specos St	
	Project Owner:	city: Midland	
me: Oaden Substa	on Tank Overflow	State: Tx Zip: 79 70/	
261866,	-104.117304	Phone #: 452.512.2203	
て		1	
\neg		PRESERV. SAMPLING	e5
Lab I.D. Sample I.D.	G)RAB OR (C)OMP CONTAINERS SROUNDWATER VASTEWATER SOIL SILUDGE	OTHER: CCID/BASE: CE / COOL OTHER: DATE	Enlorida BTE+ TPH
SOSS (#	×	- X - X
	4 4 4	1 1 0910	0 + + +
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giffiliates or successors arising out of or related to the performance of st	of services hereunder by Cardinal, regardless of whether such dail	of whether such claim is based upon any of the above stated researcs or BU: Verb	Verbal Result: ☐ Yes ☐ No Add'l Phone #:
	Time: 11/21/22 SCOOK ON ON	>	6 6
Relinquished By:	Receiv	RE	Incident #: nAPP 2230983706 TEMP BIAN C: 4.32
Delivered By: (Circle One) Obse	Observed Temp. *C"7 Sample Condition Cool Intact	CHECKED BY:	Cool
Sampler - UPS - Bus - Other: Corre	100	200	Thermometer ID #113 Correction Factor -0.5°C - ID. IJ 'C SK No No Corrected Temp. °C



November 28, 2022

HADLIE GREEN

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: OGDEN SUBSTATION TANK OVERFLOW

Enclosed are the results of analyses for samples received by the laboratory on 11/21/22 14:42.

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

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

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

Accreditation applies to public drinking water matrices.

Celey D. Keene

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

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

Received: 11/21/2022 Reported: 11/28/2022

OGDEN SUBSTATION TANK OVERFLOW

Project Number: 03C2012016

Project Location: BTA 32.261866,-104.117304

Sampling Date: 11/21/2022

Sampling Type: Soil

Sampling Condition: ** (See Notes)
Sample Received By: Shalyn Rodriguez

Sample ID: SS01 @ 0.5' (H225483-01)

Project Name:

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/22/2022	ND	1.77	88.5	2.00	10.8	
Toluene*	<0.050	0.050	11/22/2022	ND	1.87	93.7	2.00	9.79	
Ethylbenzene*	<0.050	0.050	11/22/2022	ND	1.83	91.7	2.00	10.7	
Total Xylenes*	<0.150	0.150	11/22/2022	ND	5.59	93.1	6.00	9.77	
Total BTEX	<0.300	0.300	11/22/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	88.9	% 69.9-14	0						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	12000	16.0	11/22/2022	ND	400	100	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	11/22/2022	ND	203	102	200	3.02	
DRO >C10-C28*	86.7	10.0	11/22/2022	ND	215	108	200	3.73	
EXT DRO >C28-C36	10.9	10.0	11/22/2022	ND					
Surrogate: 1-Chlorooctane	97.2	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	104 9	46.3-17	8						

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Analytical Results For:

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

Received: 11/21/2022 Reported: 11/28/2022

OGDEN SUBSTATION TANK OVERFLOW

Project Number: 03C2012016

Project Location: BTA 32.261866,-104.117304

Sampling Date: 11/21/2022

Sampling Type: Soil

Sampling Condition: ** (See Notes)
Sample Received By: Shalyn Rodriguez

Sample ID: SS02 @ 0.5' (H225483-02)

Project Name:

BTEX 8021B	mg/	'kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/22/2022	ND	1.77	88.5	2.00	10.8	
Toluene*	<0.050	0.050	11/22/2022	ND	1.87	93.7	2.00	9.79	
Ethylbenzene*	<0.050	0.050	11/22/2022	ND	1.83	91.7	2.00	10.7	
Total Xylenes*	<0.150	0.150	11/22/2022	ND	5.59	93.1	6.00	9.77	
Total BTEX	<0.300	0.300	11/22/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	86.5	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16000	16.0	11/22/2022	ND	400	100	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	11/22/2022	ND	203	102	200	3.02	
DRO >C10-C28*	165	10.0	11/22/2022	ND	215	108	200	3.73	
EXT DRO >C28-C36	20.4	10.0	11/22/2022	ND					
Surrogate: 1-Chlorooctane	93.2	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	101 9	% 46.3-17	8						

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Analytical Results For:

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

Received: 11/21/2022 Reported: 11/28/2022

11/28/2022 Sampling Type:

Project Name: OGDEN SUBSTATION TANK OVERFLOW Project Number: 03C2012016

Project Location: BTA 32.261866,-104.117304

Sampling Date: 11/21/2022

Soil

Sampling Condition: ** (See Notes)
Sample Received By: Shalyn Rodriguez

Sample ID: SS03 @ 0.5' (H225483-03)

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	11/22/2022	ND	1.77	88.5	2.00	10.8	
Toluene*	<0.050	0.050	11/22/2022	ND	1.87	93.7	2.00	9.79	
Ethylbenzene*	<0.050	0.050	11/22/2022	ND	1.83	91.7	2.00	10.7	
Total Xylenes*	<0.150	0.150	11/22/2022	ND	5.59	93.1	6.00	9.77	
Total BTEX	<0.300	0.300	11/22/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	87.5	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	18600	16.0	11/22/2022	ND	400	100	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	11/22/2022	ND	203	102	200	3.02	
DRO >C10-C28*	125	10.0	11/22/2022	ND	215	108	200	3.73	
EXT DRO >C28-C36	20.5	10.0	11/22/2022	ND					
Surrogate: 1-Chlorooctane	98.5	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	106	% 46.3-17	8						

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Analytical Results For:

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

Received: 11/21/2022 Sampling Date: 11/21/2022

Reported: Sampling Type: 11/28/2022 Soil

Project Name: OGDEN SUBSTATION TANK OVERFLOW Sampling Condition: ** (See Notes) Project Number: 03C2012016 Sample Received By: Shalyn Rodriguez

Project Location: BTA 32.261866,-104.117304

Sample ID: SS04 @ 0.5' (H225483-04)

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	11/22/2022	ND	1.77	88.5	2.00	10.8	
Toluene*	<0.050	0.050	11/22/2022	ND	1.87	93.7	2.00	9.79	
Ethylbenzene*	<0.050	0.050	11/22/2022	ND	1.83	91.7	2.00	10.7	
Total Xylenes*	<0.150	0.150	11/22/2022	ND	5.59	93.1	6.00	9.77	
Total BTEX	<0.300	0.300	11/22/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	86.5	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	38000	16.0	11/22/2022	ND	400	100	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	11/22/2022	ND	202	101	200	3.24	
DRO >C10-C28*	348	10.0	11/22/2022	ND	199	99.4	200	0.00252	QM-07
EXT DRO >C28-C36	52.9	10.0	11/22/2022	ND					
Surrogate: 1-Chlorooctane	95.9	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	110 9	% 46.3-17	8						

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Analytical Results For:

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

Received: 11/21/2022 Sampling Date: 11/21/2022

Reported: 11/28/2022 Sampling Type: Soil

Project Name: OGDEN SUBSTATION TANK OVERFLOW Sampling Condition: ** (See Notes)

Project Number: 03C2012016 Sample Received By: Shalyn Rodriguez

Project Location: BTA 32.261866,-104.117304

Sample ID: SS05 @ 0.5' (H225483-05)

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	11/23/2022	ND	1.92	96.0	2.00	7.81	
Toluene*	<0.050	0.050	11/23/2022	ND	2.16	108	2.00	9.03	
Ethylbenzene*	<0.050	0.050	11/23/2022	ND	1.96	97.8	2.00	7.29	
Total Xylenes*	<0.150	0.150	11/23/2022	ND	5.91	98.5	6.00	8.94	
Total BTEX	<0.300	0.300	11/23/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.8	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	17000	16.0	11/22/2022	ND	400	100	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	11/22/2022	ND	202	101	200	3.24	
DRO >C10-C28*	<10.0	10.0	11/22/2022	ND	199	99.4	200	0.00252	
EXT DRO >C28-C36	<10.0	10.0	11/22/2022	ND					
Surrogate: 1-Chlorooctane	105	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	112	% 46.3-17	8						

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Celey D. Keene



Analytical Results For:

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

Received: 11/21/2022 Reported: 11/28/2022

OGDEN SUBSTATION TANK OVERFLOW

Project Number: 03C2012016

Project Location: BTA 32.261866,-104.117304 Sampling Date: 11/21/2022

Sampling Type: Soil

Sampling Condition: ** (See Notes) Sample Received By: Shalyn Rodriguez

Sample ID: SS06 @ 0.5' (H225483-06)

Project Name:

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/23/2022	ND	1.92	96.0	2.00	7.81	
Toluene*	<0.050	0.050	11/23/2022	ND	2.16	108	2.00	9.03	
Ethylbenzene*	<0.050	0.050	11/23/2022	ND	1.96	97.8	2.00	7.29	
Total Xylenes*	<0.150	0.150	11/23/2022	ND	5.91	98.5	6.00	8.94	
Total BTEX	<0.300	0.300	11/23/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.4	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	12800	16.0	11/22/2022	ND	400	100	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	11/22/2022	ND	202	101	200	3.24	
DRO >C10-C28*	<10.0	10.0	11/22/2022	ND	199	99.4	200	0.00252	
EXT DRO >C28-C36	<10.0	10.0	11/22/2022	ND					
Surrogate: 1-Chlorooctane	103 9	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	109 9	6 46.3-17	8						

Cardinal Laboratories *=Accredited Analyte

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

Celey D. Keene



Notes and Definitions

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

recovery.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

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

*** Insufficient time to reach temperature.

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

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

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST



	es to celey.keene@cardinaliansnim.com	† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinaliabsnin.com
Cool Intact Observed Temp. °C Yes Yes Yes No Corrected Temp. °C	Turnaround Time: Standard No.	Delivered By: (Circle One) Observed Temp. *C 7 5 Sample Condition CHECKED BY: Tungle Checked By: Tung
106 TEMP BIAN K:4.32	MAPP 2230983	Received By:
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ne #:	Verbal Result: Yes No Add'l Phone #:	samajosa. Per usual anno a processor de la compositio de labela for incidental or consequental damages, including without finalion, business interruption, total out on the performance of herwise. Verbal Rest Verbal Rest Verbal Rest
	he client for the rptetion of the applicable its subsidiaries.	PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim animing whether based in contract or tort, shall be limited to the amount paid by the client for the applicable and contract or tort, shall be limited to the amount paid by the client of the applicable and any other cause whatspoorer shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable and any other cause whatspoorer shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable and any other cause whatspoorer shall be deemed waived unless made in writing and received by Cardinal within 30 days after contract to the contract of the applicable and the contract of the contract of the applicable and the contract of
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		2 Natil Parks Huy Compa
		Project Manager: Linding (Trees)
- 1	ANALISIS	Company Name: E BILL TO
PEOUEST	ANAL VOIC	(575) 393-2326 FAX (575) 393-2476



November 28, 2022

HADLIE GREEN

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: OGDEN SUBSTATION TANK OVERFLOW

Enclosed are the results of analyses for samples received by the laboratory on 11/21/22 14:42.

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

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

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

Celey D. Keene

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

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

Received: 11/21/2022 Sampling Date: 11/21/2022

Reported: 11/28/2022 Sampling Type: Soil
Project Name: OGDEN SUBSTATION TANK OVERFLOW Sampling Condition: ** (

Project Name: OGDEN SUBSTATION TANK OVERFLOW Sampling Condition: ** (See Notes)

Project Number: 03C2012016 Sample Received By: Shalyn Rodriguez

Project Location: BTA 32.261866,-104.117304

Sample ID: SSO9 @ 0.5' (H225484-01)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/23/2022	ND	1.92	96.0	2.00	7.81	
Toluene*	<0.050	0.050	11/23/2022	ND	2.16	108	2.00	9.03	
Ethylbenzene*	<0.050	0.050	11/23/2022	ND	1.96	97.8	2.00	7.29	
Total Xylenes*	<0.150	0.150	11/23/2022	ND	5.91	98.5	6.00	8.94	
Total BTEX	<0.300	0.300	11/23/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.3	% 69.9-14	0						
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	384	16.0	11/22/2022	ND	400	100	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	11/22/2022	ND	202	101	200	3.24	
DRO >C10-C28*	<10.0	10.0	11/22/2022	ND	199	99.4	200	0.00252	
EXT DRO >C28-C36	<10.0	10.0	11/22/2022	ND					
Surrogate: 1-Chlorooctane	99.2	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	104	% 46.3-17	8						

Cardinal Laboratories *=Accredited Analyte

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

Celey D. Keene



Notes and Definitions

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

recovery.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

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

*** Insufficient time to reach temperature.

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

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

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Celeg D. Freene

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST



	(575) 393-2326 FAX (575) 393-2476	AX (575) 393-2476					7104	_
Company Name:	Ensolum, LLC	C		BILL TO		ANALYSIS	REQUEST	1_
Project Manager:	Hadlie (Cen	P	P.O.#:		_		
Address: 31		Parks Hwy	0	Company: BTA Oil				
	d		88270	Attn: Bob Hall				
e #:	432-557-8895	Fax #:		Address: 104 Spccos	is St		_	
**	0302012016	Project Owner:	0	city: Midland				
H		Substation Tank Overflow		State: TX Zip: 7970	101			
Project Location:		6,704.117304		Phone #: 432 312	- 2203			
Sampler Name:	Mere	Ctrack.	77	Fax#:				
FOR LAB USE ONLY			MATRIX	PRESERV. SAMPLING	ING			_
		COMP	RS		ides			
Lab I.D.	Sample I.D.	(G)RAB OR (C	# CONTAINER GROUNDWAT WASTEWATE SOIL OIL SLUDGE	OTHER: ACID/BASE: ICE / COOL OTHER:	Chloric BTEX	TPH		
	Ssoc	SS09@0.5'6	=	X 11/21/22 0965	905 X X	X		
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PLEASE NOTE: Liability and analyses, All claims including service. In no event shall Car	i Damages. Cardinal's liability and o those for negligence and any other relinal be Sable for incidental or cons	sient's exclusive remedy for any or or cause whatsoever shall be deer sequental damages, including with	am arsing whether beads in collect or hed waived unless made in writing and r out limitation, business interruptions, los	PLEASE NOTE: Liability and Damagas. Cardinat's lability and client's exclusive remoty/or any case resing whening beaso in command and use a mice of one exclusive prescription of the applicable analyses. All claims including those for negligence and any other cause whiteconer shall be deemed whited unless made in writing and received by Cardinat within 30 days after completion of the applicable service. In no event shall Cardinat be fashel for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by claims.	ompletion of the applicable nt, its subsidiarios,			
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FORM-UGO	K 3.Z 10/07/Z1	† Cardinal can	not accept verbal chan	Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com	ges to celey.keene@c:	ardinallabsnm.com		

Page 4 of 4



January 31, 2023

HADLIE GREEN
ENSOLUM
3122 NATIONAL PARKS HWY
CARLSBAD, NM 88220

RE: OGDEN SUBSTATION TANK OVERFLOW

Enclosed are the results of analyses for samples received by the laboratory on 01/26/23 13:04.

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

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

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

Celey D. Keene

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

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

Received: 01/26/2023 Sampling Date: 01/25/2023

Reported: 01/31/2023 Sampling Type: Soil

Project Name: OGDEN SUBSTATION TANK OVERFLOW Sampling Condition: Cool & Intact
Project Number: 03C2012016 Sample Received By: Shalyn Rodriguez

Applyand By 1H /

Project Location: 32.261866,-104.117304

Sample ID: PH 01 @ 1' (H230373-01)

DTEV 0021D

BTEX 8021B	mg,	kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/27/2023	ND	2.11	106	2.00	8.50	
Toluene*	<0.050	0.050	01/27/2023	ND	2.13	107	2.00	10.2	
Ethylbenzene*	<0.050	0.050	01/27/2023	ND	2.08	104	2.00	9.53	
Total Xylenes*	<0.150	0.150	01/27/2023	ND	6.22	104	6.00	8.78	
Total BTEX	<0.300	0.300	01/27/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1940	16.0	01/27/2023	ND	416	104	400	0.00	
TPH 8015M	mg,	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/27/2023	ND	193	96.4	200	2.97	
DRO >C10-C28*	<10.0	10.0	01/27/2023	ND	216	108	200	2.02	
EXT DRO >C28-C36	<10.0	10.0	01/27/2023	ND					
Surrogate: 1-Chlorooctane	105	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	117	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene



Analytical Results For:

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

Received: 01/26/2023 Sampling Date: 01/25/2023

Reported: 01/31/2023 Sampling Type: Soil

Project Name: OGDEN SUBSTATION TANK OVERFLOW Sampling Condition: Cool & Intact
Project Number: 03C2012016 Sample Received By: Shalyn Rodriguez

Applyzod By: 1H /

Project Location: 32.261866,-104.117304

Sample ID: PH 01 A @ 2' (H230373-02)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	a By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/27/2023	ND	2.11	106	2.00	8.50	
Toluene*	<0.050	0.050	01/27/2023	ND	2.13	107	2.00	10.2	
Ethylbenzene*	<0.050	0.050	01/27/2023	ND	2.08	104	2.00	9.53	
Total Xylenes*	<0.150	0.150	01/27/2023	ND	6.22	104	6.00	8.78	
Total BTEX	<0.300	0.300	01/27/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2210	16.0	01/27/2023	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/27/2023	ND	193	96.4	200	2.97	
DRO >C10-C28*	23.8	10.0	01/27/2023	ND	216	108	200	2.02	
EXT DRO >C28-C36	<10.0	10.0	01/27/2023	ND					
Surrogate: 1-Chlorooctane	107	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	122	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

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

Celey D. Keene



Analytical Results For:

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

Received: 01/26/2023 Reported: 01/31/2023

OGDEN SUBSTATION TANK OVERFLOW

Project Number: 03C2012016

Project Location: 32.261866,-104.117304 Sampling Date: 01/25/2023

Sampling Type: Soil

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

Sample ID: PH 01 B @ 4' (H230373-03)

Project Name:

BTEX 8021B	mg/	'kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/27/2023	ND	2.11	106	2.00	8.50	
Toluene*	<0.050	0.050	01/27/2023	ND	2.13	107	2.00	10.2	
Ethylbenzene*	<0.050	0.050	01/27/2023	ND	2.08	104	2.00	9.53	
Total Xylenes*	<0.150	0.150	01/27/2023	ND	6.22	104	6.00	8.78	
Total BTEX	<0.300	0.300	01/27/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	'kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	448	16.0	01/27/2023	ND	416	104	400	0.00	QM-07
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/27/2023	ND	193	96.4	200	2.97	
DRO >C10-C28*	<10.0	10.0	01/27/2023	ND	216	108	200	2.02	
EXT DRO >C28-C36	<10.0	10.0	01/27/2023	ND					
Surrogate: 1-Chlorooctane	104 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	118 9	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene



Analytical Results For:

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

Received: 01/26/2023 Reported: 01/31/2023

OGDEN SUBSTATION TANK OVERFLOW

Project Number: 03C2012016

Project Location: 32.261866,-104.117304

Sampling Date: 01/25/2023

Sampling Type: Soil

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

Sample ID: PH 02 @ 1' (H230373-04)

Project Name:

RTFY 8021R

BIEX 8021B	mg	/ kg	Anaiyze	ea By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/27/2023	ND	2.11	106	2.00	8.50	
Toluene*	<0.050	0.050	01/27/2023	ND	2.13	107	2.00	10.2	
Ethylbenzene*	<0.050	0.050	01/27/2023	ND	2.08	104	2.00	9.53	
Total Xylenes*	<0.150	0.150	01/27/2023	ND	6.22	104	6.00	8.78	
Total BTEX	<0.300	0.300	01/27/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	108	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	ed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	848	16.0	01/27/2023	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/27/2023	ND	193	96.4	200	2.97	
DRO >C10-C28*	<10.0	10.0	01/27/2023	ND	216	108	200	2.02	
EXT DRO >C28-C36	<10.0	10.0	01/27/2023	ND					
Surrogate: 1-Chlorooctane	89.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	102	% 49.1-14	8						

Applyzod By: 1H /

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene



Analytical Results For:

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

Received: 01/26/2023 Reported: 01/31/2023

OGDEN SUBSTATION TANK OVERFLOW

Project Name: Project Number: 03C2012016

Project Location: 32.261866,-104.117304 Sampling Date: 01/25/2023

Sampling Type: Soil

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

Sample ID: PH 02 A @ 2' (H230373-05)

BTEX 8021B	mg/	'kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/27/2023	ND	2.11	106	2.00	8.50	
Toluene*	<0.050	0.050	01/27/2023	ND	2.13	107	2.00	10.2	
Ethylbenzene*	<0.050	0.050	01/27/2023	ND	2.08	104	2.00	9.53	
Total Xylenes*	<0.150	0.150	01/27/2023	ND	6.22	104	6.00	8.78	
Total BTEX	<0.300	0.300	01/27/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	108 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	368	16.0	01/27/2023	ND	416	104	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/27/2023	ND	193	96.4	200	2.97	
DRO >C10-C28*	<10.0	10.0	01/27/2023	ND	216	108	200	2.02	
EXT DRO >C28-C36	<10.0	10.0	01/27/2023	ND					
Surrogate: 1-Chlorooctane	102 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	113 9	% 49.1-14	8						

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Analytical Results For:

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

Received: 01/26/2023 Reported: 01/31/2023

OGDEN SUBSTATION TANK OVERFLOW

Project Number: 03C2012016

Project Location: 32.261866,-104.117304

Sampling Date: 01/25/2023

Sampling Type: Soil

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

Sample ID: PH 02 B @ 4' (H230373-06)

Project Name:

RTFY 8021R

BIEX 8021B	mg/	кg	Anaiyze	a By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/27/2023	ND	2.11	106	2.00	8.50	
Toluene*	<0.050	0.050	01/27/2023	ND	2.13	107	2.00	10.2	
Ethylbenzene*	<0.050	0.050	01/27/2023	ND	2.08	104	2.00	9.53	
Total Xylenes*	<0.150	0.150	01/27/2023	ND	6.22	104	6.00	8.78	
Total BTEX	<0.300	0.300	01/27/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	01/27/2023	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/27/2023	ND	193	96.4	200	2.97	
DRO >C10-C28*	<10.0	10.0	01/27/2023	ND	216	108	200	2.02	
EXT DRO >C28-C36	<10.0	10.0	01/27/2023	ND					
Surrogate: 1-Chlorooctane	90.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	99.6	% 49.1-14	8						

Applyzod By: 1H /

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Analytical Results For:

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

Received: 01/26/2023 Reported: 01/31/2023

OGDEN SUBSTATION TANK OVERFLOW

Project Number: 03C2012016

Project Location: 32.261866,-104.117304 Sampling Date: 01/25/2023

Sampling Type: Soil

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

Sample ID: PH 03 @ 1' (H230373-07)

Project Name:

BTEX 8021B	mg	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/27/2023	ND	2.11	106	2.00	8.50	
Toluene*	<0.050	0.050	01/27/2023	ND	2.13	107	2.00	10.2	
Ethylbenzene*	<0.050	0.050	01/27/2023	ND	2.08	104	2.00	9.53	
Total Xylenes*	<0.150	0.150	01/27/2023	ND	6.22	104	6.00	8.78	
Total BTEX	<0.300	0.300	01/27/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1140	16.0	01/27/2023	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/27/2023	ND	193	96.4	200	2.97	
DRO >C10-C28*	<10.0	10.0	01/27/2023	ND	216	108	200	2.02	
EXT DRO >C28-C36	<10.0	10.0	01/27/2023	ND					
Surrogate: 1-Chlorooctane	90.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	101	% 49.1-14	8						

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Analytical Results For:

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

Received: 01/26/2023 Reported: 01/31/2023

OGDEN SUBSTATION TANK OVERFLOW

Project Name: Project Number: 03C2012016

Project Location: 32.261866,-104.117304 Sampling Date: 01/25/2023

Sampling Type: Soil

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

Sample ID: PH 03 A @ 2' (H230373-08)

BTEX 8021B	mg/	'kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/27/2023	ND	2.11	106	2.00	8.50	
Toluene*	<0.050	0.050	01/27/2023	ND	2.13	107	2.00	10.2	
Ethylbenzene*	<0.050	0.050	01/27/2023	ND	2.08	104	2.00	9.53	
Total Xylenes*	<0.150	0.150	01/27/2023	ND	6.22	104	6.00	8.78	
Total BTEX	<0.300	0.300	01/27/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	'kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	352	16.0	01/27/2023	ND	416	104	400	0.00	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/27/2023	ND	206	103	200	1.02	
DRO >C10-C28*	<10.0	10.0	01/27/2023	ND	203	101	200	0.187	
EXT DRO >C28-C36	<10.0	10.0	01/27/2023	ND					
Surrogate: 1-Chlorooctane	83.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	88.0	% 49.1-14	8						

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Analytical Results For:

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

Received: 01/26/2023 Reported: 01/31/2023

OGDEN SUBSTATION TANK OVERFLOW

Project Name: OGDEN SUBS Project Number: 03C2012016

Project Location: 32.261866,-104.117304

Sampling Date: 01/25/2023

Sampling Type: Soil

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

Sample ID: PH 03 B @ 4' (H230373-09)

BTEX 8021B	mg	/kg	Analyze	ed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/27/2023	ND	2.11	106	2.00	8.50	
Toluene*	<0.050	0.050	01/27/2023	ND	2.13	107	2.00	10.2	
Ethylbenzene*	<0.050	0.050	01/27/2023	ND	2.08	104	2.00	9.53	
Total Xylenes*	<0.150	0.150	01/27/2023	ND	6.22	104	6.00	8.78	
Total BTEX	<0.300	0.300	01/27/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	108	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	368	16.0	01/27/2023	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/27/2023	ND	206	103	200	1.02	QR-03
DRO >C10-C28*	<10.0	10.0	01/27/2023	ND	203	101	200	0.187	
EXT DRO >C28-C36	<10.0	10.0	01/27/2023	ND					
Surrogate: 1-Chlorooctane	116	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	124	% 49.1-14	8						

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Analytical Results For:

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

Received: 01/26/2023 Reported:

01/31/2023 OGDEN SUBSTATION TANK OVERFLOW

Project Name: Project Number: 03C2012016

Project Location: 32.261866,-104.117304 Sampling Date: 01/25/2023

Sampling Type: Soil

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

Sample ID: PH 04 @ 1' (H230373-10)

BTEX 8021B	mg/	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/27/2023	ND	2.11	106	2.00	8.50	
Toluene*	<0.050	0.050	01/27/2023	ND	2.13	107	2.00	10.2	
Ethylbenzene*	<0.050	0.050	01/27/2023	ND	2.08	104	2.00	9.53	
Total Xylenes*	<0.150	0.150	01/27/2023	ND	6.22	104	6.00	8.78	
Total BTEX	<0.300	0.300	01/27/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	109 5	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	592	16.0	01/27/2023	ND	416	104	400	0.00	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/27/2023	ND	206	103	200	1.02	
DRO >C10-C28*	<10.0	10.0	01/27/2023	ND	203	101	200	0.187	
EXT DRO >C28-C36	<10.0	10.0	01/27/2023	ND					
Surrogate: 1-Chlorooctane	94.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	102 9	% 49.1-14	8						

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Sample Received By:

01/25/2023

Shalyn Rodriguez

Analytical Results For:

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

Received: 01/26/2023 Sampling Date:

Reported: 01/31/2023 Sampling Type: Soil
Project Name: OGDEN SUBSTATION TANK OVERFLOW Sampling Condition: Cool & Intact

Project Number: 03C2012016

Project Location: 32.261866,-104.117304

Sample ID: PH 04 A @ 2' (H230373-11)

BTEX 8021B

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/27/2023	ND	2.11	106	2.00	8.50	
Toluene*	<0.050	0.050	01/27/2023	ND	2.13	107	2.00	10.2	
Ethylbenzene*	<0.050	0.050	01/27/2023	ND	2.08	104	2.00	9.53	
Total Xylenes*	<0.150	0.150	01/27/2023	ND	6.22	104	6.00	8.78	
Total BTEX	<0.300	0.300	01/27/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	108 9	71.5-13	4						
		_	_						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: GM					
Chloride, SM4500CI-B Analyte	mg/ Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
· · · · · · · · · · · · · · · · · · ·			<u> </u>	-	BS 416	% Recovery	True Value QC	RPD 0.00	Qualifier
Analyte	Result	Reporting Limit	Analyzed 01/27/2023	Method Blank		•	·		Qualifier
Analyte Chloride	Result	Reporting Limit	Analyzed 01/27/2023	Method Blank		•	·		Qualifier Qualifier
Analyte Chloride TPH 8015M	Result 144 mg/	Reporting Limit 16.0	Analyzed 01/27/2023 Analyze	Method Blank ND d By: MS	416	104	400	0.00	
Analyte Chloride TPH 8015M Analyte	Result 144 mg/	Reporting Limit 16.0 kg Reporting Limit	Analyzed 01/27/2023 Analyzed Analyzed	Method Blank ND d By: MS Method Blank	416 BS	104 % Recovery	400 True Value QC	0.00	

Analyzed By: JH/

Surrogate: 1-Chlorooctane 95.1 % 48.2-134
Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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Analytical Results For:

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

Received: 01/26/2023 Reported: 01/31/2023

OGDEN SUBSTATION TANK OVERFLOW

Project Name: Project Number: 03C2012016

Project Location: 32.261866,-104.117304 Sampling Date: 01/25/2023

Sampling Type: Soil

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

Sample ID: PH 04 B @ 4' (H230373-12)

BTEX 8021B	mg,	'kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/27/2023	ND	2.01	101	2.00	0.0393	
Toluene*	<0.050	0.050	01/27/2023	ND	2.16	108	2.00	0.880	
Ethylbenzene*	<0.050	0.050	01/27/2023	ND	2.09	105	2.00	0.157	
Total Xylenes*	<0.150	0.150	01/27/2023	ND	6.45	107	6.00	0.417	
Total BTEX	<0.300	0.300	01/27/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	124	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	'kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	01/27/2023	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/27/2023	ND	206	103	200	1.02	
DRO >C10-C28*	<10.0	10.0	01/27/2023	ND	203	101	200	0.187	
EXT DRO >C28-C36	<10.0	10.0	01/27/2023	ND					
Surrogate: 1-Chlorooctane	94.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	99.7	% 49.1-14	8						

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Analytical Results For:

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

Received: 01/26/2023 Reported: 01/31/2023

OGDEN SUBSTATION TANK OVERFLOW

Project Number: 03C2012016

Project Location: 32.261866,-104.117304

Sampling Date: 01/25/2023

Sampling Type: Soil

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

Sample ID: PH 05 @ 1' (H230373-13)

Project Name:

RTFY 8021R

BIEX 8021B	тд/кд		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/27/2023	ND	2.01	101	2.00	0.0393	
Toluene*	<0.050	0.050	01/27/2023	ND	2.16	108	2.00	0.880	
Ethylbenzene*	<0.050	0.050	01/27/2023	ND	2.09	105	2.00	0.157	
Total Xylenes*	<0.150	0.150	01/27/2023	ND	6.45	107	6.00	0.417	
Total BTEX	<0.300	0.300	01/27/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	124	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	01/27/2023	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/27/2023	ND	206	103	200	1.02	
DRO >C10-C28*	<10.0	10.0	01/27/2023	ND	203	101	200	0.187	
EXT DRO >C28-C36	<10.0	10.0	01/27/2023	ND					
Surrogate: 1-Chlorooctane	100	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	106	% 49.1-14	8						

Applyzod By: 14

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Analytical Results For:

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

Received: 01/26/2023 Reported: 01/31/2023

OGDEN SUBSTATION TANK OVERFLOW

Project Number: 03C2012016

Project Location: 32.261866,-104.117304

Sampling Date: 01/25/2023

Sampling Type: Soil

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

Sample ID: PH 05 A @ 2' (H230373-14)

Project Name:

RTFY 8021R

BIEX 8021B	тд/кд		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/27/2023	ND	2.01	101	2.00	0.0393	
Toluene*	<0.050	0.050	01/27/2023	ND	2.16	108	2.00	0.880	
Ethylbenzene*	<0.050	0.050	01/27/2023	ND	2.09	105	2.00	0.157	
Total Xylenes*	<0.150	0.150	01/27/2023	ND	6.45	107	6.00	0.417	
Total BTEX	<0.300	0.300	01/27/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	125	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	01/27/2023	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/27/2023	ND	206	103	200	1.02	
DRO >C10-C28*	<10.0	10.0	01/27/2023	ND	203	101	200	0.187	
EXT DRO >C28-C36	<10.0	10.0	01/27/2023	ND					
Surrogate: 1-Chlorooctane	104	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	110	% 49.1-14	8						

Applyzod By: 14

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Analytical Results For:

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

Received: 01/26/2023 Sampling Date: 01/25/2023

Reported: 01/31/2023 Sampling Type: Soil

Project Name: OGDEN SUBSTATION TANK OVERFLOW Sampling Condition: Cool & Intact Sample Received By: Project Number: 03C2012016 Shalyn Rodriguez

Project Location: 32.261866,-104.117304

Sample ID: PH 05 B @ 4' (H230373-15)

BTEX 8021B	mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/27/2023	ND	2.01	101	2.00	0.0393	
Toluene*	<0.050	0.050	01/27/2023	ND	2.16	108	2.00	0.880	
Ethylbenzene*	<0.050	0.050	01/27/2023	ND	2.09	105	2.00	0.157	
Total Xylenes*	< 0.150	0.150	01/27/2023	ND	6.45	107	6.00	0.417	
Total BTEX	<0.300	0.300	01/27/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	123 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	01/27/2023	ND	416	104	400	0.00	
TPH 8015M	mg/	'kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/27/2023	ND	206	103	200	1.02	
DRO >C10-C28*	<10.0	10.0	01/27/2023	ND	203	101	200	0.187	
EXT DRO >C28-C36	<10.0	10.0	01/27/2023	ND					
Surrogate: 1-Chlorooctane	102 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	109 9	% 49.1-14	8						

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Analytical Results For:

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

Received: 01/26/2023 Reported: 01/31/2023

01/31/2023 Sampling Type: Sompling Type: Sompling Condition: Condi

Project Name: OGDEN SUBS Project Number: 03C2012016

Project Location: 32.261866,-104.117304

Sampling Date: 01/25/2023 Sampling Type: Soil

Sample Received By:

Cool & Intact Shalyn Rodriguez

Sample ID: PH 06 @ 1' (H230373-16)

BTEX 8021B	mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/27/2023	ND	2.01	101	2.00	0.0393	
Toluene*	<0.050	0.050	01/27/2023	ND	2.16	108	2.00	0.880	
Ethylbenzene*	<0.050	0.050	01/27/2023	ND	2.09	105	2.00	0.157	
Total Xylenes*	<0.150	0.150	01/27/2023	ND	6.45	107	6.00	0.417	
Total BTEX	<0.300	0.300	01/27/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	127	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	01/27/2023	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/27/2023	ND	206	103	200	1.02	
DRO >C10-C28*	<10.0	10.0	01/27/2023	ND	203	101	200	0.187	
EXT DRO >C28-C36	<10.0	10.0	01/27/2023	ND					
Surrogate: 1-Chlorooctane	96.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	104	% 49.1-14	8						

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Analytical Results For:

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

Received: 01/26/2023 Reported: 01/31/2023

Project Name: OGDEN SUBSTATION TANK OVERFLOW

Project Number: 03C2012016

Project Location: 32.261866,-104.117304 Sampling Date: 01/25/2023

Sampling Type: Soil

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

Sample ID: PH 06 A @ 2' (H230373-17)

BTEX 8021B	mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/27/2023	ND	2.01	101	2.00	0.0393	
Toluene*	<0.050	0.050	01/27/2023	ND	2.16	108	2.00	0.880	
Ethylbenzene*	<0.050	0.050	01/27/2023	ND	2.09	105	2.00	0.157	
Total Xylenes*	<0.150	0.150	01/27/2023	ND	6.45	107	6.00	0.417	
Total BTEX	<0.300	0.300	01/27/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	126 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	01/27/2023	ND	416	104	400	0.00	
TPH 8015M	mg/	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/27/2023	ND	206	103	200	1.02	
DRO >C10-C28*	<10.0	10.0	01/27/2023	ND	203	101	200	0.187	
EXT DRO >C28-C36	<10.0	10.0	01/27/2023	ND					
Surrogate: 1-Chlorooctane	119 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	126	% 49.1-14	8						

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Analytical Results For:

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

Received: 01/26/2023 Sampling Date: 01/25/2023

Reported: 01/31/2023 Sampling Type: Soil

Project Name: OGDEN SUBSTATION TANK OVERFLOW Sampling Condition: Cool & Intact Sample Received By: Project Number: 03C2012016 Shalyn Rodriguez

Project Location: 32.261866,-104.117304

Sample ID: PH 06 B @ 4' (H230373-18)

BTEX 8021B	mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/27/2023	ND	2.01	101	2.00	0.0393	
Toluene*	<0.050	0.050	01/27/2023	ND	2.16	108	2.00	0.880	
Ethylbenzene*	<0.050	0.050	01/27/2023	ND	2.09	105	2.00	0.157	
Total Xylenes*	<0.150	0.150	01/27/2023	ND	6.45	107	6.00	0.417	
Total BTEX	<0.300	0.300	01/27/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	127 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	01/27/2023	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/27/2023	ND	206	103	200	1.02	
DRO >C10-C28*	<10.0	10.0	01/27/2023	ND	203	101	200	0.187	
EXT DRO >C28-C36	<10.0	10.0	01/27/2023	ND					
Surrogate: 1-Chlorooctane	103 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	112 9	% 49.1-14	8						

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Analytical Results For:

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

Received: 01/26/2023 Reported: 01/31/2023

01/31/2023 OGDEN SUBSTATION TANK OVERFLOW

Project Name: OGDEN SUBS Project Number: 03C2012016

Project Location: 32.261866,-104.117304

Sampling Date: 01/26/2023

Sampling Type: Soil

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

Sample ID: PH 07 @ 1' (H230373-19)

BTEX 8021B	mg	/kg	Analyze	ed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/27/2023	ND	2.01	101	2.00	0.0393	
Toluene*	<0.050	0.050	01/27/2023	ND	2.16	108	2.00	0.880	
Ethylbenzene*	< 0.050	0.050	01/27/2023	ND	2.09	105	2.00	0.157	
Total Xylenes*	<0.150	0.150	01/27/2023	ND	6.45	107	6.00	0.417	
Total BTEX	<0.300	0.300	01/27/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	124	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	01/27/2023	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/27/2023	ND	206	103	200	1.02	
DRO >C10-C28*	<10.0	10.0	01/27/2023	ND	203	101	200	0.187	
EXT DRO >C28-C36	<10.0	10.0	01/27/2023	ND					
Surrogate: 1-Chlorooctane	116	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	122	% 49.1-14	8						

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Analytical Results For:

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

Received: 01/26/2023 Reported: 01/31/2023

OGDEN SUBSTATION TANK OVERFLOW

Project Name: Project Number: 03C2012016

Project Location: 32.261866,-104.117304 Sampling Date: 01/26/2023

Sampling Type: Soil

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

Sample ID: PH 07 A @ 2' (H230373-20)

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	01/27/2023	ND	2.01	101	2.00	0.0393	
Toluene*	<0.050	0.050	01/27/2023	ND	2.16	108	2.00	0.880	
Ethylbenzene*	<0.050	0.050	01/27/2023	ND	2.09	105	2.00	0.157	
Total Xylenes*	<0.150	0.150	01/27/2023	ND	6.45	107	6.00	0.417	
Total BTEX	<0.300	0.300	01/27/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	125 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	01/27/2023	ND	416	104	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/27/2023	ND	206	103	200	1.02	
DRO >C10-C28*	<10.0	10.0	01/27/2023	ND	203	101	200	0.187	
EXT DRO >C28-C36	<10.0	10.0	01/27/2023	ND					
Surrogate: 1-Chlorooctane	98.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	104 9	% 49.1-14	8						

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Sample Received By:

01/26/2023

Shalyn Rodriguez

Analytical Results For:

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

Received: 01/26/2023 Sampling Date:

Reported: 01/31/2023 Sampling Type: Soil Project Name: OGDEN SUBSTATION TANK OVERFLOW Sampling Condition: Cool & Intact

Project Number: 03C2012016

Project Location: 32.261866,-104.117304

Sample ID: PH 07 B @ 4' (H230373-21)

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	01/27/2023	ND	2.01	101	2.00	0.0393	
Toluene*	<0.050	0.050	01/27/2023	ND	2.16	108	2.00	0.880	
Ethylbenzene*	<0.050	0.050	01/27/2023	ND	2.09	105	2.00	0.157	
Total Xylenes*	<0.150	0.150	01/27/2023	ND	6.45	107	6.00	0.417	
Total BTEX	<0.300	0.300	01/27/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	125 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	'kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	01/27/2023	ND	416	104	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/27/2023	ND	206	103	200	1.02	
DRO >C10-C28*	<10.0	10.0	01/27/2023	ND	203	101	200	0.187	
EXT DRO >C28-C36	<10.0	10.0	01/27/2023	ND					
Surrogate: 1-Chlorooctane	103 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	109	% 49.1-14	8						

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Analytical Results For:

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

Received: 01/26/2023 Reported: 01/31/2023

OGDEN SUBSTATION TANK OVERFLOW

Project Number: 03C2012016

Project Location: 32.261866,-104.117304 Sampling Date: 01/26/2023

Sampling Type: Soil

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

Sample ID: PH 08 @ 1' (H230373-22)

Project Name:

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/27/2023	ND	2.01	101	2.00	0.0393	
Toluene*	<0.050	0.050	01/27/2023	ND	2.16	108	2.00	0.880	
Ethylbenzene*	<0.050	0.050	01/27/2023	ND	2.09	105	2.00	0.157	
Total Xylenes*	<0.150	0.150	01/27/2023	ND	6.45	107	6.00	0.417	
Total BTEX	<0.300	0.300	01/27/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	124 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	01/27/2023	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/27/2023	ND	206	103	200	1.02	
DRO >C10-C28*	<10.0	10.0	01/27/2023	ND	203	101	200	0.187	
EXT DRO >C28-C36	<10.0	10.0	01/27/2023	ND					
Surrogate: 1-Chlorooctane	105 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	109 9	% 49.1-14	8						

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Analytical Results For:

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

Received: 01/26/2023 Sampling Date: 01/26/2023

Reported: 01/31/2023 Sampling Type: Soil

Project Name: OGDEN SUBSTATION TANK OVERFLOW Sampling Condition: Cool & Intact
Project Number: 03C2012016 Sample Received By: Shalyn Rodriguez

Applyzod By: 14

Project Location: 32.261866,-104.117304

Sample ID: PH 08 A @ 2' (H230373-23)

RTFY 8021R

BIEX 8021B	mg	/ kg	Anaiyze	а ву: ЈН					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/27/2023	ND	2.01	101	2.00	0.0393	
Toluene*	<0.050	0.050	01/27/2023	ND	2.16	108	2.00	0.880	
Ethylbenzene*	<0.050	0.050	01/27/2023	ND	2.09	105	2.00	0.157	
Total Xylenes*	<0.150	0.150	01/27/2023	ND	6.45	107	6.00	0.417	
Total BTEX	<0.300	0.300	01/27/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	125	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	ed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	01/27/2023	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/27/2023	ND	206	103	200	1.02	
DRO >C10-C28*	<10.0	10.0	01/27/2023	ND	203	101	200	0.187	
EXT DRO >C28-C36	<10.0	10.0	01/27/2023	ND					
Surrogate: 1-Chlorooctane	122	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	129	% 49.1-14	8						

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Analytical Results For:

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

Received: 01/26/2023 Sampling Date: 01/26/2023

Reported: 01/31/2023 Sampling Type: Soil

Project Name: OGDEN SUBSTATION TANK OVERFLOW Sampling Condition: Cool & Intact
Project Number: 03C2012016 Sample Received By: Shalyn Rodriguez

Project Location: 32.261866,-104.117304

Sample ID: PH 08 B @ 4' (H230373-24)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/27/2023	ND	2.01	101	2.00	0.0393	
Toluene*	<0.050	0.050	01/27/2023	ND	2.16	108	2.00	0.880	
Ethylbenzene*	<0.050	0.050	01/27/2023	ND	2.09	105	2.00	0.157	
Total Xylenes*	<0.150	0.150	01/27/2023	ND	6.45	107	6.00	0.417	
Total BTEX	<0.300	0.300	01/27/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	124	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	01/27/2023	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/27/2023	ND	206	103	200	1.02	
DRO >C10-C28*	<10.0	10.0	01/27/2023	ND	203	101	200	0.187	
EXT DRO >C28-C36	<10.0	10.0	01/27/2023	ND					
Surrogate: 1-Chlorooctane	108	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	114	% 49.1-14	8						

Applyzod By: 14

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Analytical Results For:

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

Received: 01/26/2023 Reported: 01/31/2023

OGDEN SUBSTATION TANK OVERFLOW

Project Number: 03C2012016

Project Location: 32.261866,-104.117304

Sampling Date: 01/26/2023

Sampling Type: Soil

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

Sample ID: PH 09 @ 1' (H230373-25)

Project Name:

RTFY 8021R

B1EX 8021B	mg	/ kg	Anaiyze	a By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/26/2023	ND	2.02	101	2.00	0.982	
Toluene*	<0.050	0.050	01/26/2023	ND	2.08	104	2.00	0.394	
Ethylbenzene*	<0.050	0.050	01/26/2023	ND	2.11	105	2.00	1.88	
Total Xylenes*	<0.150	0.150	01/26/2023	ND	6.42	107	6.00	0.332	
Total BTEX	<0.300	0.300	01/26/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	112	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	576	16.0	01/27/2023	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/27/2023	ND	206	103	200	1.02	
DRO >C10-C28*	<10.0	10.0	01/27/2023	ND	203	101	200	0.187	
EXT DRO >C28-C36	<10.0	10.0	01/27/2023	ND					
Surrogate: 1-Chlorooctane	103	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	108	% 49.1-14	8						

Applyzod By: 1H /

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Analytical Results For:

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

Received: 01/26/2023 Reported: 01/31/2023

Project Name: OGDEN SUBSTATION TANK OVERFLOW

Project Number: 03C2012016

Project Location: 32.261866,-104.117304 Sampling Date: 01/26/2023

Sampling Type: Soil

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

Sample ID: PH 09 A @ 2' (H230373-26)

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	01/26/2023	ND	2.02	101	2.00	0.982	
Toluene*	<0.050	0.050	01/26/2023	ND	2.08	104	2.00	0.394	
Ethylbenzene*	<0.050	0.050	01/26/2023	ND	2.11	105	2.00	1.88	
Total Xylenes*	<0.150	0.150	01/26/2023	ND	6.42	107	6.00	0.332	
Total BTEX	<0.300	0.300	01/26/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	111 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	608	16.0	01/27/2023	ND	432	108	400	0.00	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/27/2023	ND	206	103	200	1.02	
DRO >C10-C28*	<10.0	10.0	01/27/2023	ND	203	101	200	0.187	
EXT DRO >C28-C36	<10.0	10.0	01/27/2023	ND					
Surrogate: 1-Chlorooctane	97.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	101 9	% 49.1-14	8						

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Analytical Results For:

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

Received: 01/26/2023 Reported: 01/31/2023

OGDEN SUBSTATION TANK OVERFLOW

Project Number: 03C2012016

Project Location: 32.261866,-104.117304 Sampling Date: 01/26/2023

Sampling Type: Soil

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

Sample ID: PH 09 B @ 4' (H230373-27)

Project Name:

BTEX 8021B	mg/	kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/26/2023	ND	2.02	101	2.00	0.982	
Toluene*	<0.050	0.050	01/26/2023	ND	2.08	104	2.00	0.394	
Ethylbenzene*	<0.050	0.050	01/26/2023	ND	2.11	105	2.00	1.88	
Total Xylenes*	<0.150	0.150	01/26/2023	ND	6.42	107	6.00	0.332	
Total BTEX	<0.300	0.300	01/26/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	115 %	6 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	640	16.0	01/27/2023	ND	432	108	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/27/2023	ND	206	103	200	1.02	
DRO >C10-C28*	<10.0	10.0	01/27/2023	ND	203	101	200	0.187	
EXT DRO >C28-C36	<10.0	10.0	01/27/2023	ND					
Surrogate: 1-Chlorooctane	105 %	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	110 %	6 49.1-14	8						

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Analytical Results For:

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

Received: 01/26/2023 Sampling Date: 01/26/2023

Reported: 01/31/2023 Sampling Type: Soil

Project Name: OGDEN SUBSTATION TANK OVERFLOW Sampling Condition: Cool & Intact
Project Number: 03C2012016 Sample Received By: Shalyn Rodriguez

Applyzod By: 1H /

Project Location: 32.261866,-104.117304

Sample ID: PH 10 @ 1' (H230373-28)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	a By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/26/2023	ND	2.02	101	2.00	0.982	
Toluene*	<0.050	0.050	01/26/2023	ND	2.08	104	2.00	0.394	
Ethylbenzene*	<0.050	0.050	01/26/2023	ND	2.11	105	2.00	1.88	
Total Xylenes*	<0.150	0.150	01/26/2023	ND	6.42	107	6.00	0.332	
Total BTEX	<0.300	0.300	01/26/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	115	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	01/27/2023	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/27/2023	ND	211	105	200	6.84	
DRO >C10-C28*	<10.0	10.0	01/27/2023	ND	202	101	200	8.78	
EXT DRO >C28-C36	<10.0	10.0	01/27/2023	ND					
Surrogate: 1-Chlorooctane	89.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	92.5	% 49.1-14	8						

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Analytical Results For:

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

Received: 01/26/2023 Reported: 01/31/2023

OGDEN SUBSTATION TANK OVERFLOW

Project Name: OGDEN SUBS Project Number: 03C2012016

Project Location: 32.261866,-104.117304

Sampling Date: 01/26/2023

Sampling Type: Soil

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

Sample ID: PH 10 A @ 2' (H230373-29)

RTFY 8021R

BIEX 8021B	mg	/ kg	Anaiyze	а ву: ЈН					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/27/2023	ND	2.01	101	2.00	0.0393	
Toluene*	<0.050	0.050	01/27/2023	ND	2.16	108	2.00	0.880	
Ethylbenzene*	<0.050	0.050	01/27/2023	ND	2.09	105	2.00	0.157	
Total Xylenes*	<0.150	0.150	01/27/2023	ND	6.45	107	6.00	0.417	
Total BTEX	<0.300	0.300	01/27/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	128	% 71.5-13	4						
Chloride, SM4500CI-B	mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	01/27/2023	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/27/2023	ND	211	105	200	6.84	
DRO >C10-C28*	<10.0	10.0	01/27/2023	ND	202	101	200	8.78	
EXT DRO >C28-C36	<10.0	10.0	01/27/2023	ND					
Surrogate: 1-Chlorooctane	91.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	96.3	% 49.1-14	8						

Applyzod By: 14

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Analytical Results For:

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

Received: 01/26/2023 Sampling Date: 01/26/2023

Reported: 01/31/2023 Sampling Type: Soil

Project Name: OGDEN SUBSTATION TANK OVERFLOW Sampling Condition: Cool & Intact Sample Received By: Project Number: 03C2012016 Shalyn Rodriguez

Project Location: 32.261866,-104.117304

Sample ID: PH 10 B @ 4' (H230373-30)

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	01/27/2023	ND	2.01	101	2.00	0.0393	
Toluene*	<0.050	0.050	01/27/2023	ND	2.16	108	2.00	0.880	
Ethylbenzene*	<0.050	0.050	01/27/2023	ND	2.09	105	2.00	0.157	
Total Xylenes*	<0.150	0.150	01/27/2023	ND	6.45	107	6.00	0.417	
Total BTEX	<0.300	0.300	01/27/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	125 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	01/27/2023	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/27/2023	ND	211	105	200	6.84	
DRO >C10-C28*	<10.0	10.0	01/27/2023	ND	202	101	200	8.78	
EXT DRO >C28-C36	<10.0	10.0	01/27/2023	ND					
Surrogate: 1-Chlorooctane	82.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	86.3	% 49.1-14	8						

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Notes and Definitions

QR-03 The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.

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

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

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

*** Insufficient time to reach temperature.

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

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

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Marland, Hobbs, NM 88240

e: Ensolum, LLC 2 Nati Parks Highway			ad Temp. °C	Correction Fa	OK	No No	51.N3.	Corrected Temp. °C	- Bus - Other:	Sampler - UPS - Bus - Other:
ANALYSIS REQUEST ANALYSIS REQUEST ANALYSIS REQUEST PORTON Add Phone #: ANALYSIS REQUEST PORTON Add Phone #: Billed. Please provide Email address:	Corrected Temp. °C	Intact (Yes	ID #113	Thermometer	(Initials)	Sample Condition Cool Intact	シピル。	Observed Temp.	Circle One)	Delivered By: (
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TPH Additional	,	e Email address:	re emailed. Please provide	All Results at		By:	Received	Date: 1/26	sing out of or related to the perform	Relinquished E
TPH ANALYSIS		dd'l Phone #:	NO STATE	y client, its subsidiaries, reasons or otherwise.	s, or loss of profits incurred b	less made in writing and received business interruptions, loss of use	Il be deemed waived un uding without limitation,	ther cause whatsoever sha onsequental damages, incl	and Damages. Cardinal a moviny or ding those for negligance and any o Cardinal be liable for incidental or o	EASE NOTE: Liability a alyses. All claims included the shall of the sh
EFROUMON, LLC The company of the co			plicable	haid by the client for the	all be limited to the amount p	ether based in contract or lort, shu	for any claim arising wh	d relient's exclusive remedy	PHOA	0
EFROLUM, LLC The content of the con			*	1235	<	<			PHOSE	20
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Emsolum LLC For Hadlie Green 2 Nati Parks Highway State: NM Zip: 88220 Attn: 80b Hall State: NM Zip: 88220 Attn: 80b Hall Address: 104 S. 12.0557.8895 Fax#: 2 Ogden Substation Tank Overflow State: TX Zip: 79701 2 Ogden Substation Tank Overflow State: TX Zip: 79701 32.2b186b, 704.117304 Fax#: Phone #. 432.312.2203				1/00				-	PHO 4	2
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e: Ensolum LLC er: Hadlie Green 2 Nat Parks Highway 2 State: NM Zip: 88220 Attn: Bob Hall 2 State: NM Zip: 88220 Address: 104 S. Rews St 3 C2012016 Project Owner: City: Midland State: TX Zip: 79701 Ogden Substation Tank Overflow Phone #: 432.312.2203 on: 32.261866, -104.117304 Ex Matrix Phone #: 432.312.2203 MATRIX PRESERV. SAMPLING			hlor	TEV		OGE ER :	JNDWA	ī.D.	Sample	Lab I.D.
Ensolum LLC Hadlie Green Hadlie Green Nat'l Parks Highway State: NM Zip: 88220 Attn: Bob Hall CJ012016 Project Owner: CJ012016 Project Owner: CJ012016 Ogden Substation Tank Overflow Ogden Substation Tank Overflow Ogden Substation Tank Overflow Phone #: 432.312.2203 Fax #: Preserv Sampling MATRIX PRESERV Sampling	- A		ide			R	RS TER			FOR LAB USE ONLY
Hadlie Green Company: BTA Oil Attn: Bob Hall Gity: Midland City: Midland State: TX Zip: 79701 State: TX Zip: 79701 Phone #: 432-312-2203	31		S	LING		Fax	1	Coberts	Meredith	ampler Name:
1 Parks Highway State: NM Zip: 88220 Attn: Bab Hall ANALYSIS Address: 104 S. Pews St City: Midland State: TX Zip: 79701 State: TX Zip: 79701 State: TX Zip: 79701	Cress			5077.	#: 432-312		304	-104.117	32.	lect Location
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State: NM Zip: 88220 Attn: Bob Hall ANALYSIS BILL TO P.O. #: Company: BTA Oil Address: 104 S. Pews St					Midland	City: 1	100	Project Owne	2000100	ne#: 451
Hadlie Green Natil Parks Highway 7in: 98220 Attn: Bob Hall				SST	s: 104 S. Peu			Eav #	EE7. 0095	ty: Carisba
Hadre Green P.O. #:			11			2.0 Attn:		T		dress: 3/22
Ensolum LLC BILL TO ANALYSIS		i.				Compar		co	Hadire	oject Manager:
BILL TO ANALYSIS						*		C	Ensolum, LL	impany Name:
			ANA		BILL TO		****	Y (0/0) 333-2-	(575) 393-2326 FA	

Relinquished By:

Time: 304

Received By:

REMARKS:

tmorrisseyeensolum.com

harreen@ensolum com

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

> Observed Temp. °CU. Corrected Temp. °C

> > Sample Condition

CHECKED BY: (Initials)

Turnaround Time:

Standard Rush

Bacteria (only) Sample Condition
Cool Intact Observed Temp. °C

Yes Yes
No Corrected Temp. °C

incident #:

NAPP2230983706

Time: Date:

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST



PHOSA PHOSA PHOSA PHOSA PHOSA PHOSA PHOSA PHOSA PHOTA	Sample I.D. PHO4R © 2' G (G)RAB OR (C)OM PHO5A 2' PHO5A 2' PHO5A 2'	State: NM 2 State: NM 2 ax #: roject Owner: Tank (104.11730	(575) 393-2326 FAX (575) 393-2476
10 PHO6A 2 PHO6A 2 PHO6B 4 PHO6B 4 PHO6B 4 PHO6B 4 PHO7B PHO6B 4 PHO7B PHO6B 4 PHO7B PHO7B 4 PHO7B 4 PHO7B PHO7B 4	GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER: ACID/BASE: VICE/COOL OTHER:	Company: BTA Oil R8220 Attn: Bob Hall Address: 104 S. Pecos St City: Midland State: TX Zip: 79701 Phone #: 432-313-2203 Fax #: PRESERV! SAMPLING	BILL TO
13.05 13.10 13.10 10.10 10.10 10.15	340 STEX Chioride TPH	ω	ANALYSIS REQUEST

SP

P

Sampler - UPS - Bus - Other:

Corrected Temp. °C/

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST



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niect Manager: 11	consolum, Lic	P.O. #	*		
ddress: 3122 N	3122 Natil Parks Hwy	Con	Company: BTA Oil		
	State: NM Zip:	88220	n: Bob Hall		
le #: _	7.8895 Fax#:	Ado	Address: 104 S. Pews Ot	04.	
roiect #: (03C2C	03C2012016 Project Owner:				
	Substation	Overflow	State: TX Zip: 79701		
roject Location: 3	161866, -104		Phone #: 432-312-2205		
2	Note to Potents	Fax #:			_
٩.	-	MATRIX	PRESERV. SAMPLING		_
Lab I.D.	Sample I.D.	RAB OR (C)OMP. CONTAINERS ROUNDWATER ASTEWATER DIL L LUDGE	CID/BASE: E / COOL THER :	BTEX Chloride TPH	
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LEASE NOTE: Liability and Dama	ges. Cardinal's liability and client's exclusive reme for negligence and any other cause whatsoever s	YLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or fort, shall be limited to the amount paid by the client for the YLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or fort, shall be limited to the amount paid by the client for the applicable of the client for the amount paid by the client for the applicable of the client for the amount paid by the client for the amount paid	rt, shall be limited to the amount paid by the eved by Cardinal within 30 days after com the control of the con	e clerit for the place of the applicable to the substitution of the applicable to substitutions.	
ervice. In no event shall Cardinal t	e liable for incidental or consequental damages, in the resistant to the performance of services hereun	envice. In no event shall Cardinal be liable for incidental or consequental damages, including without limitation, business interruptions, was a view of the above stated reasons or otherwise. Volume Destructions are of or related in the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.	sed upon any of the above stated reasons	or otherwise.	
Relinguished By:	ed By: Date: 1/26/	Received By:	A O A A A	re emailed. Please prov	
Relinquished By:	Date:	Received By:	R	Incident #: NAPP2230983706	
	Time:		OUT OWN DOV.	Turnaround Time: Standard Bacteria (only) Sample Condition	3
Palling Bur (Circle One)	One) Observed Temp. °C,	p. °C, Sample Condition	CHECKED DT.	Rush	



October 26, 2023

HADLIE GREEN
ENSOLUM
3122 NATIONAL PARKS HWY
CARLSBAD, NM 88220

RE: OGDEN SUBSTATION TANK OVERFLOW

Enclosed are the results of analyses for samples received by the laboratory on 10/23/23 8:26.

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

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

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

Celey D. Keine

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

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

Received: 10/23/2023 Sampling Date: 10/19/2023

Reported: 10/26/2023 Sampling Type: Soil

Project Name: OGDEN SUBSTATION TANK OVERFLOW Sampling Condition: Cool & Intact
Project Number: 03C2012016 Sample Received By: Tamara Oldaker

Project Location: BTA 32.26246,-104.11690

Sample ID: FS 01 @ 1' (H235779-01)

BTEX 8021B	mg/	'kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/26/2023	ND	2.01	101	2.00	0.500	
Toluene*	<0.050	0.050	10/26/2023	ND	2.09	104	2.00	1.04	
Ethylbenzene*	<0.050	0.050	10/26/2023	ND	2.29	115	2.00	2.13	
Total Xylenes*	<0.150	0.150	10/26/2023	ND	6.99	117	6.00	2.58	
Total BTEX	<0.300	0.300	10/26/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	116 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	10/25/2023	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	10/24/2023	ND	227	114	200	2.87	
DRO >C10-C28*	<10.0	10.0	10/24/2023	ND	237	119	200	5.04	
EXT DRO >C28-C36	<10.0	10.0	10/24/2023	ND					
Surrogate: 1-Chlorooctane	87.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	100 9	% 49.1-14	8						

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Celey D. Keine



Analytical Results For:

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

Received: 10/23/2023 Reported: 10/26/2023

10/26/2023 OGDEN SUBSTATION TANK OVERFLOW

Project Name: OGDEN SUBS Project Number: 03C2012016

Project Location: BTA 32.26246,-104.11690

Sampling Date: 10/19/2023

Sampling Type: Soil

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

Sample ID: FS 02 @ 1' (H235779-02)

RTFY 8021R

B1EX 8021B	mg	/кд	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/26/2023	ND	2.01	101	2.00	0.500	
Toluene*	<0.050	0.050	10/26/2023	ND	2.09	104	2.00	1.04	
Ethylbenzene*	<0.050	0.050	10/26/2023	ND	2.29	115	2.00	2.13	
Total Xylenes*	<0.150	0.150	10/26/2023	ND	6.99	117	6.00	2.58	
Total BTEX	<0.300	0.300	10/26/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	114	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	10/25/2023	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	10/24/2023	ND	227	114	200	2.87	
DRO >C10-C28*	<10.0	10.0	10/24/2023	ND	237	119	200	5.04	
EXT DRO >C28-C36	<10.0	10.0	10/24/2023	ND					
Surrogate: 1-Chlorooctane	79.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	91.5	% 49.1-14	8						

Applyzod By: 14

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Celey D. Keine



Analytical Results For:

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

Received: 10/23/2023 Reported:

10/26/2023 OGDEN SUBSTATION TANK OVERFLOW

Project Number: 03C2012016

Project Location: BTA 32.26246,-104.11690 Sampling Date: 10/19/2023

Sampling Type: Soil

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

Sample ID: FS 03 @ 1' (H235779-03)

Project Name:

BTEX 8021B	mg/	'kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/25/2023	ND	1.88	93.9	2.00	3.61	
Toluene*	<0.050	0.050	10/25/2023	ND	2.01	100	2.00	0.725	
Ethylbenzene*	<0.050	0.050	10/25/2023	ND	2.03	102	2.00	0.559	
Total Xylenes*	<0.150	0.150	10/25/2023	ND	6.21	104	6.00	0.173	
Total BTEX	<0.300	0.300	10/25/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	118 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	10/25/2023	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	10/24/2023	ND	227	114	200	2.87	
DRO >C10-C28*	<10.0	10.0	10/24/2023	ND	237	119	200	5.04	
EXT DRO >C28-C36	<10.0	10.0	10/24/2023	ND					
Surrogate: 1-Chlorooctane	68.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	75.7	% 49.1-14	8						

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Celey D. Keene



Analytical Results For:

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

Received: 10/23/2023 Reported: 10/26/2023

OGDEN SUBSTATION TANK OVERFLOW

Project Number: 03C2012016

Project Location: BTA 32.26246,-104.11690

mg/kg

Sampling Date: 10/19/2023

Sampling Type: Soil

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

Sample ID: FS 04 @ 1' (H235779-04)

Project Name:

BTEX 8021B

DILX GOZID	ıııg,	ng .	Andryzo	a by. 511/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/25/2023	ND	1.88	93.9	2.00	3.61	
Toluene*	<0.050	0.050	10/25/2023	ND	2.01	100	2.00	0.725	
Ethylbenzene*	<0.050	0.050	10/25/2023	ND	2.03	102	2.00	0.559	
Total Xylenes*	<0.150	0.150	10/25/2023	ND	6.21	104	6.00	0.173	
Total BTEX	<0.300	0.300	10/25/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	117	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	10/25/2023	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	10/24/2023	ND	173	86.6	200	4.76	
DRO >C10-C28*	<10.0	10.0	10/24/2023	ND	164	81.9	200	10.2	
EXT DRO >C28-C36	<10.0	10.0	10/24/2023	ND					
Surrogate: 1-Chlorooctane	67.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	67.8	% 49.1-14	8						

Analyzed By: JH/

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Celey D. Keine



Sample Received By:

10/19/2023

Tamara Oldaker

Analytical Results For:

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

Received: 10/23/2023 Sampling Date:

Reported: 10/26/2023 Sampling Type: Soil
Project Name: OGDEN SUBSTATION TANK OVERFLOW Sampling Condition: Cool & Intact

Project Number: 03C2012016

Project Location: BTA 32.26246,-104.11690

Sample ID: FS 05 @ 1' (H235779-05)

BTEX 8021B	mg	/kg	Analyze	ed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/25/2023	ND	1.88	93.9	2.00	3.61	
Toluene*	<0.050	0.050	10/25/2023	ND	2.01	100	2.00	0.725	
Ethylbenzene*	<0.050	0.050	10/25/2023	ND	2.03	102	2.00	0.559	
Total Xylenes*	<0.150	0.150	10/25/2023	ND	6.21	104	6.00	0.173	
Total BTEX	<0.300	0.300	10/25/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	118	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	10/25/2023	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	10/24/2023	ND	173	86.6	200	4.76	
DRO >C10-C28*	<10.0	10.0	10/24/2023	ND	164	81.9	200	10.2	
EXT DRO >C28-C36	<10.0	10.0	10/24/2023	ND					
Surrogate: 1-Chlorooctane	73.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	75.5	% 49.1-14	8						

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Analytical Results For:

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

Received: 10/23/2023 Reported: 10/26/2023

10/26/2023 OGDEN SUBSTATION TANK OVERFLOW

Project Name: OGDEN SUBS Project Number: 03C2012016

Project Location: BTA 32.26246,-104.11690

Sampling Date: 10/19/2023

Sampling Type: Soil

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

Sample ID: FS 06 @ 1' (H235779-06)

RTFY 8021R

B1EX 8021B	mg	/ kg	Anaiyze	a By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/25/2023	ND	1.88	93.9	2.00	3.61	
Toluene*	<0.050	0.050	10/25/2023	ND	2.01	100	2.00	0.725	
Ethylbenzene*	<0.050	0.050	10/25/2023	ND	2.03	102	2.00	0.559	
Total Xylenes*	<0.150	0.150	10/25/2023	ND	6.21	104	6.00	0.173	
Total BTEX	<0.300	0.300	10/25/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	118	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	10/25/2023	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	10/24/2023	ND	173	86.6	200	4.76	
DRO >C10-C28*	<10.0	10.0	10/24/2023	ND	164	81.9	200	10.2	
EXT DRO >C28-C36	<10.0	10.0	10/24/2023	ND					
Surrogate: 1-Chlorooctane	62.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	62.1	% 49.1-14	8						

Applyzod By: 1H /

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Analytical Results For:

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

Received: 10/23/2023 Reported: 10/26/2023

10/26/2023 OGDEN SUBSTATION TANK OVERFLOW

Project Name: OGDEN SUBS Project Number: 03C2012016

Project Location: BTA 32.26246,-104.11690

Sampling Date: 10/19/2023

Sampling Type: Soil

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

Sample ID: FS 07 @ 1' (H235779-07)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	a By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/25/2023	ND	1.88	93.9	2.00	3.61	
Toluene*	<0.050	0.050	10/25/2023	ND	2.01	100	2.00	0.725	
Ethylbenzene*	<0.050	0.050	10/25/2023	ND	2.03	102	2.00	0.559	
Total Xylenes*	<0.150	0.150	10/25/2023	ND	6.21	104	6.00	0.173	
Total BTEX	<0.300	0.300	10/25/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	116	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	10/25/2023	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	10/24/2023	ND	173	86.6	200	4.76	
DRO >C10-C28*	<10.0	10.0	10/24/2023	ND	164	81.9	200	10.2	
EXT DRO >C28-C36	<10.0	10.0	10/24/2023	ND					
Surrogate: 1-Chlorooctane	71.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	70.8	% 49.1-14	8						

Applyzod By: 1H /

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Analytical Results For:

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

Received: 10/23/2023 Reported: 10/26/2023

OGDEN SUBSTATION TANK OVERFLOW

Project Number: 03C2012016

Project Location: BTA 32.26246,-104.11690

Sampling Date: 10/20/2023

Sampling Type: Soil

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

Sample ID: FS 08 @ 2' (H235779-08)

Project Name:

RTFY 8021R

BIEX 8021B	mg	/ kg	Anaiyze	a By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/25/2023	ND	1.88	93.9	2.00	3.61	
Toluene*	<0.050	0.050	10/25/2023	ND	2.01	100	2.00	0.725	
Ethylbenzene*	<0.050	0.050	10/25/2023	ND	2.03	102	2.00	0.559	
Total Xylenes*	<0.150	0.150	10/25/2023	ND	6.21	104	6.00	0.173	
Total BTEX	<0.300	0.300	10/25/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	121	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	448	16.0	10/25/2023	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	10/24/2023	ND	173	86.6	200	4.76	
DRO >C10-C28*	<10.0	10.0	10/24/2023	ND	164	81.9	200	10.2	
EXT DRO >C28-C36	<10.0	10.0	10/24/2023	ND					
Surrogate: 1-Chlorooctane	73.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	73.4	% 49.1-14	8						

Applyzod By: 1H /

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Analytical Results For:

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

Received: 10/23/2023 Reported: 10/26/2023

10/26/2023 Sampling Type: OGDEN SUBSTATION TANK OVERFLOW Sampling Condition:

Applyzod By: 1H /

Project Number: 03C2012016

Project Location: BTA 32.26246,-104.11690

Sampling Date: 10/20/2023

Soil

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

Sample ID: FS 09 @ 2' (H235779-09)

Project Name:

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	a By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/25/2023	ND	1.88	93.9	2.00	3.61	
Toluene*	<0.050	0.050	10/25/2023	ND	2.01	100	2.00	0.725	
Ethylbenzene*	<0.050	0.050	10/25/2023	ND	2.03	102	2.00	0.559	
Total Xylenes*	<0.150	0.150	10/25/2023	ND	6.21	104	6.00	0.173	
Total BTEX	<0.300	0.300	10/25/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	116	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	432	16.0	10/25/2023	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	10/24/2023	ND	173	86.6	200	4.76	
DRO >C10-C28*	<10.0	10.0	10/24/2023	ND	164	81.9	200	10.2	
EXT DRO >C28-C36	<10.0	10.0	10/24/2023	ND					
Surrogate: 1-Chlorooctane	75.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	74.4	% 49.1-14	8						

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Analytical Results For:

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

Received: 10/23/2023 Reported:

10/26/2023 OGDEN SUBSTATION TANK OVERFLOW

Project Name: Project Number: 03C2012016

Project Location: BTA 32.26246,-104.11690 Sampling Date: 10/20/2023

Sampling Type: Soil

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

Sample ID: FS 10 @ 1' (H235779-10)

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	10/25/2023	ND	1.88	93.9	2.00	3.61	
Toluene*	<0.050	0.050	10/25/2023	ND	2.01	100	2.00	0.725	
Ethylbenzene*	<0.050	0.050	10/25/2023	ND	2.03	102	2.00	0.559	
Total Xylenes*	<0.150	0.150	10/25/2023	ND	6.21	104	6.00	0.173	
Total BTEX	<0.300	0.300	10/25/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	121 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	10/25/2023	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	10/24/2023	ND	173	86.6	200	4.76	
DRO >C10-C28*	<10.0	10.0	10/24/2023	ND	164	81.9	200	10.2	
EXT DRO >C28-C36	<10.0	10.0	10/24/2023	ND					
Surrogate: 1-Chlorooctane	68.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	69.3	% 49.1-14	8						

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Analytical Results For:

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

Received: 10/23/2023 Sampling Date: 10/20/2023

Reported: 10/26/2023 Sampling Type: Soil

Project Name: OGDEN SUBSTATION TANK OVERFLOW Sampling Condition: Cool & Intact
Project Number: 03C2012016 Sample Received By: Tamara Oldaker

Project Location: BTA 32.26246,-104.11690

Sample ID: FS 11 @ 1' (H235779-11)

BTEX 8021B	mg	/kg	Analyze	ed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/25/2023	ND	1.88	93.9	2.00	3.61	
Toluene*	<0.050	0.050	10/25/2023	ND	2.01	100	2.00	0.725	
Ethylbenzene*	< 0.050	0.050	10/25/2023	ND	2.03	102	2.00	0.559	
Total Xylenes*	<0.150	0.150	10/25/2023	ND	6.21	104	6.00	0.173	
Total BTEX	<0.300	0.300	10/25/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	118	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	10/25/2023	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/24/2023	ND	173	86.6	200	4.76	
DRO >C10-C28*	<10.0	10.0	10/24/2023	ND	164	81.9	200	10.2	
EXT DRO >C28-C36	<10.0	10.0	10/24/2023	ND					
Surrogate: 1-Chlorooctane	68.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	67.2	% 49.1-14	8						

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Analytical Results For:

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

Received: 10/23/2023 Sampling Date: 10/20/2023

Reported: Sampling Type: Soil 10/26/2023

Project Name: OGDEN SUBSTATION TANK OVERFLOW Sampling Condition: Cool & Intact Project Number: 03C2012016 Sample Received By: Tamara Oldaker

Project Location: BTA 32.26246,-104.11690

Sample ID: FS 12 @ 1' (H235779-12)

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	10/25/2023	ND	1.88	93.9	2.00	3.61	
Toluene*	<0.050	0.050	10/25/2023	ND	2.01	100	2.00	0.725	
Ethylbenzene*	<0.050	0.050	10/25/2023	ND	2.03	102	2.00	0.559	
Total Xylenes*	<0.150	0.150	10/25/2023	ND	6.21	104	6.00	0.173	
Total BTEX	<0.300	0.300	10/25/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	116 %	6 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	10/25/2023	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	10/24/2023	ND	173	86.6	200	4.76	
DRO >C10-C28*	<10.0	10.0	10/24/2023	ND	164	81.9	200	10.2	
EXT DRO >C28-C36	<10.0	10.0	10/24/2023	ND					
Surrogate: 1-Chlorooctane	69.0 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	68.0 9	49.1-14	8						

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Analytical Results For:

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

Received: 10/23/2023 Reported:

10/26/2023 OGDEN SUBSTATION TANK OVERFLOW

Project Name: Project Number: 03C2012016

Project Location: BTA 32.26246,-104.11690 Sampling Date: 10/20/2023

Sampling Type: Soil

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

Sample ID: FS 13 @ 1' (H235779-13)

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	10/25/2023	ND	1.88	93.9	2.00	3.61	
Toluene*	<0.050	0.050	10/25/2023	ND	2.01	100	2.00	0.725	
Ethylbenzene*	<0.050	0.050	10/25/2023	ND	2.03	102	2.00	0.559	
Total Xylenes*	<0.150	0.150	10/25/2023	ND	6.21	104	6.00	0.173	
Total BTEX	<0.300	0.300	10/25/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	115 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	10/25/2023	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	10/24/2023	ND	173	86.6	200	4.76	
DRO >C10-C28*	<10.0	10.0	10/24/2023	ND	164	81.9	200	10.2	
EXT DRO >C28-C36	<10.0	10.0	10/24/2023	ND					
Surrogate: 1-Chlorooctane	66.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	64.1	% 49.1-14	8						

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Analytical Results For:

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

Received: 10/23/2023 Reported: 10/26/2023

OGDEN SUBSTATION TANK OVERFLOW

Project Number: 03C2012016

Project Location: BTA 32.26246,-104.11690 Sampling Date: 10/20/2023

Sampling Type: Soil

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

Sample ID: SW 01 @ 0-1' (H235779-14)

Project Name:

BTEX 8021B	mg/	'kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/25/2023	ND	1.88	93.9	2.00	3.61	
Toluene*	<0.050	0.050	10/25/2023	ND	2.01	100	2.00	0.725	
Ethylbenzene*	<0.050	0.050	10/25/2023	ND	2.03	102	2.00	0.559	
Total Xylenes*	<0.150	0.150	10/25/2023	ND	6.21	104	6.00	0.173	
Total BTEX	<0.300	0.300	10/25/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	116 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	10/25/2023	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	10/24/2023	ND	173	86.6	200	4.76	
DRO >C10-C28*	<10.0	10.0	10/24/2023	ND	164	81.9	200	10.2	
EXT DRO >C28-C36	<10.0	10.0	10/24/2023	ND					
Surrogate: 1-Chlorooctane	69.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	67.3	% 49.1-14	8						

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Celey D. Keene



Notes and Definitions

ζ)R-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.
ζ	<u>)</u> M-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
В	3S-3	Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
Ν	ID	Analyte NOT DETECTED at or above the reporting limit
R	RPD	Relative Percent Difference
*	*	Samples not received at proper temperature of 6°C or below.
*	**	Insufficient time to reach temperature.
-		Chloride by SM4500Cl-B does not require samples be received at or below 6°C
		Samples reported on an as received basis (wet) unless otherwise noted on report

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Celeg D. Freene

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

CARDINAL Laboratories 101 East Marland, Hobbs, NM 88240

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

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

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November 02, 2023

HADLIE GREEN
ENSOLUM
3122 NATIONAL PARKS HWY
CARLSBAD, NM 88220

RE: OGDEN SUBSTATION TANK OVERFLOW

Enclosed are the results of analyses for samples received by the laboratory on 10/26/23 14:00.

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

Wite Sough

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,

Mike Snyder For Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

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

 Received:
 10/26/2023
 Sampling Date:
 10/23/2023

 Reported:
 11/02/2023
 Sampling Type:
 Soil

Reported: 11/02/2023 Sampling Type: Soil
Project Name: OGDEN SUBSTATION TANK OVERFLOW Sampling Condition: Coo

Project Name: OGDEN SUBSTATION TANK OVERFLOW Sampling Condition: Cool & Intact
Project Number: 03C2012016 Sample Received By: Shalyn Rodriguez

Project Location: BTA 32.26246,-104.11690

Sample ID: FS 15 @ 1' (H235870-01)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/31/2023	ND	1.96	98.1	2.00	2.55	
Toluene*	<0.050	0.050	10/31/2023	ND	2.02	101	2.00	2.49	
Ethylbenzene*	<0.050	0.050	10/31/2023	ND	2.02	101	2.00	2.82	
Total Xylenes*	<0.150	0.150	10/31/2023	ND	6.07	101	6.00	3.11	
Total BTEX	<0.300	0.300	10/31/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.7	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	10/31/2023	ND	416	104	400	0.00	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/30/2023	ND	183	91.6	200	1.96	
DRO >C10-C28*	<10.0	10.0	10/30/2023	ND	170	84.8	200	7.24	
EXT DRO >C28-C36	<10.0	10.0	10/30/2023	ND					
Surrogate: 1-Chlorooctane	84.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	76.0	% 49.1-14	8						

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



Analytical Results For:

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

Received: 10/26/2023 Reported: 11/02/2023

OGDEN SUBSTATION TANK OVERFLOW

Project Number: 03C2012016

Project Location: BTA 32.26246,-104.11690

Sampling Date: 10/23/2023

Sampling Type: Soil

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

Sample ID: FS 16 @ 1' (H235870-02)

Project Name:

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/31/2023	ND	1.96	98.1	2.00	2.55	
Toluene*	<0.050	0.050	10/31/2023	ND	2.02	101	2.00	2.49	
Ethylbenzene*	<0.050	0.050	10/31/2023	ND	2.02	101	2.00	2.82	
Total Xylenes*	<0.150	0.150	10/31/2023	ND	6.07	101	6.00	3.11	
Total BTEX	<0.300	0.300	10/31/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 71.5-13	4						
Chloride, SM4500CI-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	10/31/2023	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/30/2023	ND	183	91.6	200	1.96	
DRO >C10-C28*	<10.0	10.0	10/30/2023	ND	170	84.8	200	7.24	
EXT DRO >C28-C36	<10.0	10.0	10/30/2023	ND					
Surrogate: 1-Chlorooctane	68.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	60.6	% 49.1-14	8						

Applyzod By: 14

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Analytical Results For:

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

Received: 10/26/2023 Reported: 11/02/2023

OGDEN SUBSTATION TANK OVERFLOW

Project Number: 03C2012016

Project Location: BTA 32.26246,-104.11690

mg/kg

Sampling Date: 10/23/2023

Sampling Type: Soil

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

Sample ID: FS 17 @ 1' (H235870-03)

Project Name:

BTEX 8021B

	9/	9	7111411720	,					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/31/2023	ND	1.96	98.1	2.00	2.55	
Toluene*	<0.050	0.050	10/31/2023	ND	2.02	101	2.00	2.49	
Ethylbenzene*	<0.050	0.050	10/31/2023	ND	2.02	101	2.00	2.82	
Total Xylenes*	<0.150	0.150	10/31/2023	ND	6.07	101	6.00	3.11	
Total BTEX	<0.300	0.300	10/31/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	10/31/2023	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/30/2023	ND	183	91.6	200	1.96	
DRO >C10-C28*	<10.0	10.0	10/30/2023	ND	170	84.8	200	7.24	
EXT DRO >C28-C36	<10.0	10.0	10/30/2023	ND					
Surrogate: 1-Chlorooctane	64.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	58.3	% 49.1-14	8						

Analyzed By: JH

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Analytical Results For:

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

Received: 10/26/2023 Reported:

11/02/2023 OGDEN SUBSTATION TANK OVERFLOW

Project Name: Project Number: 03C2012016

Project Location: BTA 32.26246,-104.11690 Sampling Date: 10/23/2023

Sampling Type: Soil

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

Sample ID: FS 18 @ 1' (H235870-04)

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	10/31/2023	ND	1.96	98.1	2.00	2.55	
Toluene*	<0.050	0.050	10/31/2023	ND	2.02	101	2.00	2.49	
Ethylbenzene*	<0.050	0.050	10/31/2023	ND	2.02	101	2.00	2.82	
Total Xylenes*	<0.150	0.150	10/31/2023	ND	6.07	101	6.00	3.11	
Total BTEX	<0.300	0.300	10/31/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 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	10/31/2023	ND	416	104	400	0.00	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/30/2023	ND	183	91.6	200	1.96	
DRO >C10-C28*	<10.0	10.0	10/30/2023	ND	170	84.8	200	7.24	
EXT DRO >C28-C36	<10.0	10.0	10/30/2023	ND					
Surrogate: 1-Chlorooctane	81.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	73.4	% 49.1-14	8						

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Analytical Results For:

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

Received: 10/26/2023 Reported: 11/02/2023

OGDEN SUBSTATION TANK OVERFLOW

Project Number: 03C2012016

Project Location: BTA 32.26246,-104.11690

Sampling Date: 10/23/2023

Sampling Type: Soil

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

Sample ID: SW 02 @ 0-1' (H235870-05)

Project Name:

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/31/2023	ND	1.96	98.1	2.00	2.55	
Toluene*	<0.050	0.050	10/31/2023	ND	2.02	101	2.00	2.49	
Ethylbenzene*	<0.050	0.050	10/31/2023	ND	2.02	101	2.00	2.82	
Total Xylenes*	<0.150	0.150	10/31/2023	ND	6.07	101	6.00	3.11	
Total BTEX	<0.300	0.300	10/31/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	100	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	10/31/2023	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/30/2023	ND	183	91.6	200	1.96	
DRO >C10-C28*	<10.0	10.0	10/30/2023	ND	170	84.8	200	7.24	
EXT DRO >C28-C36	<10.0	10.0	10/30/2023	ND					
Surrogate: 1-Chlorooctane	72.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	64.7	% 49.1-14	8						

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Analytical Results For:

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

Received: 10/26/2023 Reported: 11/02/2023

11/02/2023 Sampling Type: Soil OGDEN SUBSTATION TANK OVERFLOW Sampling Condition: Cool

Sampling Date:

Project Name: OGDEN SUBS Project Number: 03C2012016

Project Location: BTA 32.26246,-104.11690

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

10/23/2023

Sample ID: SW 03 @ 0-1' (H235870-06)

RTFY 8021R

BIEX 8021B	mg	/ kg	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/31/2023	ND	1.96	98.1	2.00	2.55	
Toluene*	<0.050	0.050	10/31/2023	ND	2.02	101	2.00	2.49	
Ethylbenzene*	<0.050	0.050	10/31/2023	ND	2.02	101	2.00	2.82	
Total Xylenes*	<0.150	0.150	10/31/2023	ND	6.07	101	6.00	3.11	
Total BTEX	<0.300	0.300	10/31/2023	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	96.0	16.0	10/31/2023	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/30/2023	ND	183	91.6	200	1.96	
DRO >C10-C28*	<10.0	10.0	10/30/2023	ND	170	84.8	200	7.24	
EXT DRO >C28-C36	<10.0	10.0	10/30/2023	ND					
Surrogate: 1-Chlorooctane	76.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	67.6	% 49.1-14	8						

Applyzod By: 14

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Analytical Results For:

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

Received: 10/26/2023 Reported:

11/02/2023

OGDEN SUBSTATION TANK OVERFLOW

Project Number: 03C2012016

Project Location: BTA 32.26246,-104.11690 Sampling Date: 10/23/2023

Sampling Type: Soil

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

Sample ID: SW 04 @ 0-1' (H235870-07)

Project Name:

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	10/31/2023	ND	1.91	95.3	2.00	4.40	
Toluene*	<0.050	0.050	10/31/2023	ND	1.95	97.6	2.00	4.27	
Ethylbenzene*	<0.050	0.050	10/31/2023	ND	1.95	97.3	2.00	4.94	
Total Xylenes*	<0.150	0.150	10/31/2023	ND	5.81	96.9	6.00	4.90	
Total BTEX	<0.300	0.300	10/31/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	'kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	10/31/2023	ND	416	104	400	0.00	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/30/2023	ND	183	91.6	200	1.96	
DRO >C10-C28*	<10.0	10.0	10/30/2023	ND	170	84.8	200	7.24	
EXT DRO >C28-C36	<10.0	10.0	10/30/2023	ND					
Surrogate: 1-Chlorooctane	77.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	70.1	% 49.1-14	8						

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Analytical Results For:

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

Received: 10/26/2023 Reported: 11/02/2023

OGDEN SUBSTATION TANK OVERFLOW

Project Number: 03C2012016

Project Location: BTA 32.26246,-104.11690 Sampling Date: 10/23/2023

Sampling Type: Soil

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

Sample ID: SW 05 @ 0-1' (H235870-08)

Project Name:

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	10/31/2023	ND	1.91	95.3	2.00	4.40	
Toluene*	<0.050	0.050	10/31/2023	ND	1.95	97.6	2.00	4.27	
Ethylbenzene*	<0.050	0.050	10/31/2023	ND	1.95	97.3	2.00	4.94	
Total Xylenes*	<0.150	0.150	10/31/2023	ND	5.81	96.9	6.00	4.90	
Total BTEX	<0.300	0.300	10/31/2023	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	112	16.0	10/31/2023	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/30/2023	ND	183	91.6	200	1.96	
DRO >C10-C28*	<10.0	10.0	10/30/2023	ND	170	84.8	200	7.24	
EXT DRO >C28-C36	<10.0	10.0	10/30/2023	ND					
Surrogate: 1-Chlorooctane	80.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	71.4	% 49.1-14	8						

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Analytical Results For:

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

Received: 10/26/2023 Reported: 11/02/2023

OGDEN SUBSTATION TANK OVERFLOW

Project Number: 03C2012016

Project Location: BTA 32.26246,-104.11690

Sampling Date: 10/24/2023

Sampling Type: Soil

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

Sample ID: FS 19 @ 1' (H235870-09)

Project Name:

RTFY 8021R

BIEX 8021B	mg	/ kg	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/31/2023	ND	1.91	95.3	2.00	4.40	
Toluene*	<0.050	0.050	10/31/2023	ND	1.95	97.6	2.00	4.27	
Ethylbenzene*	<0.050	0.050	10/31/2023	ND	1.95	97.3	2.00	4.94	
Total Xylenes*	<0.150	0.150	10/31/2023	ND	5.81	96.9	6.00	4.90	
Total BTEX	<0.300	0.300	10/31/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 71.5-13	4						
Chloride, SM4500CI-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	10/31/2023	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/30/2023	ND	183	91.6	200	1.96	
DRO >C10-C28*	<10.0	10.0	10/30/2023	ND	170	84.8	200	7.24	
EXT DRO >C28-C36	<10.0	10.0	10/30/2023	ND					
Surrogate: 1-Chlorooctane	75.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	67.8	% 49.1-14	8						

Applyzod By: 14

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Analytical Results For:

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

Received: 10/26/2023 Reported: 11/02/2023

11/02/2023 Sampling Type:
OGDEN SUBSTATION TANK OVERFLOW Sampling Condition:

Applyzod By: 14

Project Number: 03C2012016

Project Location: BTA 32.26246,-104.11690

Sampling Date: 10/24/2023

Sample Received By:

Soil Cool & Intact

Shalyn Rodriguez

Sample ID: FS 20 @ 1' (H235870-10)

Project Name:

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/31/2023	ND	1.91	95.3	2.00	4.40	
Toluene*	<0.050	0.050	10/31/2023	ND	1.95	97.6	2.00	4.27	
Ethylbenzene*	<0.050	0.050	10/31/2023	ND	1.95	97.3	2.00	4.94	
Total Xylenes*	<0.150	0.150	10/31/2023	ND	5.81	96.9	6.00	4.90	
Total BTEX	<0.300	0.300	10/31/2023	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	256	16.0	10/31/2023	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	10/30/2023	ND	183	91.6	200	1.96	
DRO >C10-C28*	<10.0	10.0	10/30/2023	ND	170	84.8	200	7.24	
EXT DRO >C28-C36	<10.0	10.0	10/30/2023	ND					
Surrogate: 1-Chlorooctane	73.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	64.8	% 49.1-14	8						

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Analytical Results For:

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

Received: 10/26/2023 Reported: 11/02/2023

11/02/2023 OGDEN SUBSTATION TANK OVERFLOW

Project Name: OGDEN SUBS Project Number: 03C2012016

Project Location: BTA 32.26246,-104.11690

Sampling Date: 10/24/2023

Sampling Type: Soil

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

Sample ID: FS 21 @ 1' (H235870-11)

RTFY 8021R

B1EX 8021B	mg	/кд	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/31/2023	ND	1.91	95.3	2.00	4.40	
Toluene*	<0.050	0.050	10/31/2023	ND	1.95	97.6	2.00	4.27	
Ethylbenzene*	<0.050	0.050	10/31/2023	ND	1.95	97.3	2.00	4.94	
Total Xylenes*	<0.150	0.150	10/31/2023	ND	5.81	96.9	6.00	4.90	
Total BTEX	<0.300	0.300	10/31/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 71.5-13	4						
Chloride, SM4500CI-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	10/31/2023	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	10/30/2023	ND	183	91.6	200	1.96	
DRO >C10-C28*	<10.0	10.0	10/30/2023	ND	170	84.8	200	7.24	
EXT DRO >C28-C36	<10.0	10.0	10/30/2023	ND					
Surrogate: 1-Chlorooctane	75.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	67.3	% 49.1-14	8						

Applyzod By: 14

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Analytical Results For:

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

Received: 10/26/2023 Reported: 11/02/2023

11/02/2023 OGDEN SUBSTATION TANK OVERFLOW

Project Number: 03C2012016

Project Location: BTA 32.26246,-104.11690

mg/kg

Sampling Date: 10/24/2023

Sampling Type: Soil

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

Sample ID: FS 22 @ 1' (H235870-12)

Project Name:

BTEX 8021B

	<u> </u>			• •					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/31/2023	ND	1.91	95.3	2.00	4.40	
Toluene*	<0.050	0.050	10/31/2023	ND	1.95	97.6	2.00	4.27	
Ethylbenzene*	<0.050	0.050	10/31/2023	ND	1.95	97.3	2.00	4.94	
Total Xylenes*	<0.150	0.150	10/31/2023	ND	5.81	96.9	6.00	4.90	
Total BTEX	<0.300	0.300	10/31/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	10/31/2023	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/30/2023	ND	183	91.6	200	1.96	
DRO >C10-C28*	<10.0	10.0	10/30/2023	ND	170	84.8	200	7.24	
EXT DRO >C28-C36	<10.0	10.0	10/30/2023	ND					
Surrogate: 1-Chlorooctane	79.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	69.2	% 49.1-14	8						

Analyzed By: JH

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Analytical Results For:

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

Received: 10/26/2023 Reported: 11/02/2023

11/02/2023 OGDEN SUBSTATION TANK OVERFLOW

Project Name: OGDEN SUBS Project Number: 03C2012016

Project Location: BTA 32.26246,-104.11690

Sampling Date: 10/24/2023

Sampling Type: Soil

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

Sample ID: FS 23 @ 1' (H235870-13)

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	10/31/2023	ND	1.91	95.3	2.00	4.40	
Toluene*	<0.050	0.050	10/31/2023	ND	1.95	97.6	2.00	4.27	
Ethylbenzene*	<0.050	0.050	10/31/2023	ND	1.95	97.3	2.00	4.94	
Total Xylenes*	<0.150	0.150	10/31/2023	ND	5.81	96.9	6.00	4.90	
Total BTEX	<0.300	0.300	10/31/2023	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	64.0	16.0	10/31/2023	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	10/30/2023	ND	183	91.6	200	1.96	
DRO >C10-C28*	<10.0	10.0	10/30/2023	ND	170	84.8	200	7.24	
EXT DRO >C28-C36	<10.0	10.0	10/30/2023	ND					
Surrogate: 1-Chlorooctane	77.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	70.0	% 49.1-14	8						

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Analytical Results For:

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

Received: 10/26/2023 Sampling Date: 10/24/2023

Reported: 11/02/2023 Sampling Type: Soil

Project Name: OGDEN SUBSTATION TANK OVERFLOW Sampling Condition: Cool & Intact Project Number: Shalyn Rodriguez 03C2012016 Sample Received By:

Project Location: BTA 32.26246,-104.11690

Sample ID: FS 24 @ 1' (H235870-14)

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	10/31/2023	ND	1.91	95.3	2.00	4.40	
Toluene*	<0.050	0.050	10/31/2023	ND	1.95	97.6	2.00	4.27	
Ethylbenzene*	<0.050	0.050	10/31/2023	ND	1.95	97.3	2.00	4.94	
Total Xylenes*	<0.150	0.150	10/31/2023	ND	5.81	96.9	6.00	4.90	
Total BTEX	<0.300	0.300	10/31/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	10/31/2023	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	10/30/2023	ND	183	91.6	200	1.96	
DRO >C10-C28*	<10.0	10.0	10/30/2023	ND	170	84.8	200	7.24	
EXT DRO >C28-C36	<10.0	10.0	10/30/2023	ND					
Surrogate: 1-Chlorooctane	78.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	70.7	% 49.1-14	8						

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Analytical Results For:

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

Received: 10/26/2023

Reported: 11/02/2023
Project Name: OGDEN SUBSTATION TANK OVERFLOW

Project Number: 03C2012016

Project Location: BTA 32.26246,-104.11690

Sampling Date: 10/24/2023

Sampling Type: Soil

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

Sample ID: FS 25 @ 1' (H235870-15)

RTFY 8021R

BIEX 8021B	mg	/ kg	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/31/2023	ND	1.91	95.3	2.00	4.40	
Toluene*	<0.050	0.050	10/31/2023	ND	1.95	97.6	2.00	4.27	
Ethylbenzene*	<0.050	0.050	10/31/2023	ND	1.95	97.3	2.00	4.94	
Total Xylenes*	<0.150	0.150	10/31/2023	ND	5.81	96.9	6.00	4.90	
Total BTEX	<0.300	0.300	10/31/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	100	% 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	10/31/2023	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	10/30/2023	ND	183	91.6	200	1.96	
DRO >C10-C28*	<10.0	10.0	10/30/2023	ND	170	84.8	200	7.24	
EXT DRO >C28-C36	<10.0	10.0	10/30/2023	ND					
Surrogate: 1-Chlorooctane	67.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	59.9	% 49.1-14	8						

Applyzod By: 14

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Analytical Results For:

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

Received: 10/26/2023 Reported: 11/02/2023

OGDEN SUBSTATION TANK OVERFLOW

Project Number: 03C2012016

Project Location: BTA 32.26246,-104.11690

mg/kg

Sampling Date: 10/24/2023

Sampling Type: Soil

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

Sample ID: FS 26 @ 1' (H235870-16)

Project Name:

BTEX 8021B

	9/	9	7	w = y : 5 : :					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/31/2023	ND	1.91	95.3	2.00	4.40	
Toluene*	<0.050	0.050	10/31/2023	ND	1.95	97.6	2.00	4.27	
Ethylbenzene*	<0.050	0.050	10/31/2023	ND	1.95	97.3	2.00	4.94	
Total Xylenes*	<0.150	0.150	10/31/2023	ND	5.81	96.9	6.00	4.90	
Total BTEX	<0.300	0.300	10/31/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	10/31/2023	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	10/30/2023	ND	183	91.6	200	1.96	
DRO >C10-C28*	<10.0	10.0	10/30/2023	ND	170	84.8	200	7.24	
EXT DRO >C28-C36	<10.0	10.0	10/30/2023	ND					
Surrogate: 1-Chlorooctane	81.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	73.7	% 49.1-14	8						

Analyzed By: JH

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Analytical Results For:

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

Received: 10/26/2023 Reported: 11/02/2023

OGDEN SUBSTATION TANK OVERFLOW

Project Name: OGDEN SUBS Project Number: 03C2012016

Project Location: BTA 32.26246,-104.11690

mg/kg

Sampling Date: 10/24/2023

Sampling Type: Soil

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

Sample ID: FS 27 @ 1' (H235870-17)

BTEX 8021B

	9,	9	7	7: :					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/31/2023	ND	1.91	95.3	2.00	4.40	
Toluene*	<0.050	0.050	10/31/2023	ND	1.95	97.6	2.00	4.27	
Ethylbenzene*	<0.050	0.050	10/31/2023	ND	1.95	97.3	2.00	4.94	
Total Xylenes*	<0.150	0.150	10/31/2023	ND	5.81	96.9	6.00	4.90	
Total BTEX	<0.300	0.300	10/31/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	10/31/2023	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	10/31/2023	ND	198	99.0	200	4.77	
DRO >C10-C28*	<10.0	10.0	10/31/2023	ND	201	100	200	1.24	
EXT DRO >C28-C36	<10.0	10.0	10/31/2023	ND					
Surrogate: 1-Chlorooctane	88.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	102	% 49.1-14	8						

Analyzed By: JH

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Analytical Results For:

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

Received: 10/26/2023 Reported: 11/02/2023

OGDEN SUBSTATION TANK OVERFLOW

Project Number: 03C2012016

Project Location: BTA 32.26246,-104.11690

Sampling Date: 10/24/2023

Sampling Type: Soil

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

Sample ID: FS 28 @ 1' (H235870-18)

Project Name:

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/31/2023	ND	1.91	95.3	2.00	4.40	
Toluene*	<0.050	0.050	10/31/2023	ND	1.95	97.6	2.00	4.27	
Ethylbenzene*	<0.050	0.050	10/31/2023	ND	1.95	97.3	2.00	4.94	
Total Xylenes*	<0.150	0.150	10/31/2023	ND	5.81	96.9	6.00	4.90	
Total BTEX	<0.300	0.300	10/31/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	10/31/2023	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	10/31/2023	ND	198	99.0	200	4.77	
DRO >C10-C28*	<10.0	10.0	10/31/2023	ND	201	100	200	1.24	
EXT DRO >C28-C36	<10.0	10.0	10/31/2023	ND					
Surrogate: 1-Chlorooctane	78.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	88.3	% 49.1-14	8						

Applyzod By: 14

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Analytical Results For:

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

Received: 10/26/2023 Reported: 11/02/2023

OGDEN SUBSTATION TANK OVERFLOW

Project Number: 03C2012016

Project Location: BTA 32.26246,-104.11690 Sampling Date: 10/24/2023

Sampling Type: Soil

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

Sample ID: FS 29 @ 4' (H235870-19)

Project Name:

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/31/2023	ND	1.91	95.3	2.00	4.40	
Toluene*	<0.050	0.050	10/31/2023	ND	1.95	97.6	2.00	4.27	
Ethylbenzene*	< 0.050	0.050	10/31/2023	ND	1.95	97.3	2.00	4.94	
Total Xylenes*	<0.150	0.150	10/31/2023	ND	5.81	96.9	6.00	4.90	
Total BTEX	<0.300	0.300	10/31/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	103 9	71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	464	16.0	10/31/2023	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	10/31/2023	ND	198	99.0	200	4.77	
DRO >C10-C28*	<10.0	10.0	10/31/2023	ND	201	100	200	1.24	
EXT DRO >C28-C36	<10.0	10.0	10/31/2023	ND					
Surrogate: 1-Chlorooctane	92.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	108 9	49.1-14	8						

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10/24/2023

Analytical Results For:

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

Received: 10/26/2023 Sampling Date:

Reported: 11/02/2023 Sampling Type: Soil

Project Name: OGDEN SUBSTATION TANK OVERFLOW Sampling Condition: Cool & Intact Project Number: Shalyn Rodriguez 03C2012016 Sample Received By:

Project Location: BTA 32.26246,-104.11690

Sample ID: FS 30 @ 2' (H235870-20)

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	10/31/2023	ND	1.91	95.3	2.00	4.40	
Toluene*	<0.050	0.050	10/31/2023	ND	1.95	97.6	2.00	4.27	
Ethylbenzene*	<0.050	0.050	10/31/2023	ND	1.95	97.3	2.00	4.94	
Total Xylenes*	<0.150	0.150	10/31/2023	ND	5.81	96.9	6.00	4.90	
Total BTEX	<0.300	0.300	10/31/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	103 9	71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	10/31/2023	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	10/31/2023	ND	198	99.0	200	4.77	
DRO >C10-C28*	<10.0	10.0	10/31/2023	ND	201	100	200	1.24	
EXT DRO >C28-C36	<10.0	10.0	10/31/2023	ND					
Surrogate: 1-Chlorooctane	86.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	99.9	% 49.1-14	8						

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Analytical Results For:

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

Received: 10/26/2023 Reported: 11/02/2023

11/02/2023 OGDEN SUBSTATION TANK OVERFLOW

Project Name: OGDEN SUBS Project Number: 03C2012016

Project Location: BTA 32.26246,-104.11690

Sampling Date: 10/24/2023

Sampling Type: Soil

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

Sample ID: FS 31 @ 2' (H235870-21)

RTFY 8021R

BIEX 8021B	mg	/ kg	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/31/2023	ND	1.91	95.3	2.00	4.40	
Toluene*	<0.050	0.050	10/31/2023	ND	1.95	97.6	2.00	4.27	
Ethylbenzene*	<0.050	0.050	10/31/2023	ND	1.95	97.3	2.00	4.94	
Total Xylenes*	<0.150	0.150	10/31/2023	ND	5.81	96.9	6.00	4.90	
Total BTEX	<0.300	0.300	10/31/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	10/31/2023	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	10/31/2023	ND	198	99.0	200	4.77	
DRO >C10-C28*	<10.0	10.0	10/31/2023	ND	201	100	200	1.24	
EXT DRO >C28-C36	<10.0	10.0	10/31/2023	ND					
Surrogate: 1-Chlorooctane	92.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	107	% 49.1-14	8						

Applyzod By: 14

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Analytical Results For:

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

Received: 10/26/2023 Reported: 11/02/2023

Project Name: OGDEN SUBSTATION TANK OVERFLOW

Project Number: 03C2012016

Project Location: BTA 32.26246,-104.11690 Sampling Date: 10/24/2023

Sampling Type: Soil

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

Sample ID: FS 32 @ 2' (H235870-22)

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	10/31/2023	ND	1.91	95.3	2.00	4.40	
Toluene*	<0.050	0.050	10/31/2023	ND	1.95	97.6	2.00	4.27	
Ethylbenzene*	<0.050	0.050	10/31/2023	ND	1.95	97.3	2.00	4.94	
Total Xylenes*	<0.150	0.150	10/31/2023	ND	5.81	96.9	6.00	4.90	
Total BTEX	<0.300	0.300	10/31/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	448	16.0	10/31/2023	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	10/31/2023	ND	198	99.0	200	4.77	
DRO >C10-C28*	<10.0	10.0	10/31/2023	ND	201	100	200	1.24	
EXT DRO >C28-C36	<10.0	10.0	10/31/2023	ND					
Surrogate: 1-Chlorooctane	95.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	110	% 49 1-14	8						

110 % Surrogate: 1-Chlorooctadecane 49.1-148

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Notes and Definitions

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

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

*** Insufficient time to reach temperature.

Chloride by SM4500Cl-B does not require samples be received at or below 6°C
 Samples reported on an as received basis (wet) unless otherwise noted on report

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST



Standard XI Bacteria jonly) Sample Condition Rush	Turnaround Time: Sta Rus Thermometer ID #//13 Committee Francis Franci	CHECKED BY: Turn	Sample Condition Cool Intact Aves Aves	Corrected Temp. *C	Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Delivered E Sampler - U
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HUMING Palcomet O CUSCI	10501 a Superil	in h	Stollen	Time: S	A MONEY	5
Verbal Result: ☐ Yes ☐ No Add'I Phone #: All Results are emailed. Please provide Email address:	Verbal Result:	Service Services	Received By:	نَّة	ed By:	Relinquished By:
		luse, or loss of profits incurred by client, its ed upon any of the above stated reasons or	augres, At cerain a request value of the properties of the second of the	ental or consequental damages, including vertal or consequental damages, including vertal or consequental damages.	t shall Cardinal be liable for inclose	sarvice. In no ever
	sient for the tion of the applicable	t, shall be limited to the amount paid by the tred by Cardinal within 30 days after comple	PLEASE NOTE: Liability and Damages. Cardinal's liability and clien't secclusive remedy for any claim arising whether based in contract or for, shall be limited to the amount paid by the client for the applicable.	lability and client's exclusive remedy for any and any other cause whatsoever shall be de	lability and Damages, Cardinal's it	PLEASE NOTE: L
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		State: \ Zip: 19/0	5 OWN HOW St	ARTOMO LOW	me: Oaden Ju	Project Name:
		N:	SIA City:	Project Owner:	160201741	Project #:
		Address: MIGLOVIA	Ad	1895 Fax#:	182-551-6	Phone #:
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	DA	company: We tan be	OW	Parksky	8122"Nat	Address:
		0.# RHA OIL	P.O.	o Mader	nager: Landing	Project Manager:
ANALYSIS REQUEST		BILL TO		327 WM		Company Name:
			76	2326 FAX (575) 393-2476	(575) 393-2326	

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240

	(575) 393-2326 FAX (575) 393-2476	476				
Company Name:	ON MITTON B		BILL TO	A	ANALYSIS REQUEST	1
Project Manager:	Ladle Hader		10 H 8 +10 01			_
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city: (100/16)	Dave) State: NOV	(IZIDS8/21)	Attn: 104 2 1900	St		_
Phone #: 482	557-8895 Fax#:		Address: MIGLOVIO			
Project #: 760	20120 10 Project Owner:	514	City:			
Project Name:	and reliberation representations	A OWHOW!	State: X Zip: 19/)		
Project Location:	132,2624/0 -104,111	9(1)	Phone #:	05		_
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FOR LAB USE ONLY	-	MATRIX	PRESERV, SAMPLING	× +		
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Relinquished By:	ad By: Date: 10.32	Received By:	By:	☐ Yes	☐ No Add'I Phone #: ase provide Email address:	
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Refinautshed By:	Date:	Received By:	C	REMARKS:	_	
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Sampler - UP\$ - BI	Bus - Other: Corrected Temp. *C	No No No	N C	Correction Factor 0.5°C	No Corrected Temp. °C	Ö

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240

(575) 393-2326	6 FAX (575) 393-2476				ANAL VOID DEC	VICOT
Company Name: (4 1/504)	M. 1.60		BILL TO	が存在が	ANALYSIS KEC	KENDESI
Project Manager:	Ander	P.O.	O.# R+AO			_
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city: () cul (sbae)	State: NOM Zip.0	33/20	Attn: 104 2 1401	SST		
Phone # 482-857-88	95 Fax#:	Ac	Address: MIGLOUNG			
Project #: 7602012016	Project Owner:	STA	City:			
Project Name: Oaden DUD	Station Touris	OWN-HOWY ST	State: X Zip: 19	701		
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Sampler Name:	and wall man	Fa	Fax#:			
FOR LAB USE ONLY		MATRIX	PRESERV. SAMPLING	<u> </u>	ri (
Lab I.D. Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER:	ACID/BASE: ICE / COOL OTHER :	BTEX TPH ONLO	QVIIO	
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PLEASE NOTE: Liability and Dumages. Cardinal's liability and client's exclusive remedy for any claim crising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in witing and received by Cardinal witin 30 days after completion of the applicable analyses. All claims including whose for negligence and any other cause whatsoever shall be deemed waived unless made in witing and received by Cardinal witin 30 days after completion of the applicable service, in no event shall Cardinal be liable for including whose processing in contract of the processing o	and client's exclusive remedy for any clain y other cause whatsoever shall be deemed it consequental damages, including without consequent of environmental factorial.	orf's exclusive remedy for any claim enising whether based in contract or tort, shall be limited to the amount plact cause whatspower shall be deemed walved unless made in writing and received by Catofinal within 30 days after quential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by oil of searches bearingtes by Catofinal receivedess of whether such claim is based upon any of the above stated risk	f., shall be limited to the amount paid shed by Cardinal within 30 days after if use, or loss of profits incurred by clit sed upon any of the above stated reas	by the client for the completion of the applicable ent, its subsidiaries, sons or otherwise.		
Relinquished By:		Received By:		Verbal Result: D Yes All Results are emailed. Ple	Yes O No Add'I Phone #:	omato enso
Relinquished By:		Received By:	9	NAPP723095	5	
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Corrected Temp. °C	Sample Condition Cool Intact Pres 1 Yes	CHECKED BY:	Turnaround Time: Sta Thermometer ID #T13 Correction Factor 0.5°C	sh dard	Bacteria (only) Sample Condition Cool Intact Observed Temp. °C Ves Yes No Corrected Temp. °C



November 20, 2023

HADLIE GREEN
ENSOLUM
3122 NATIONAL PARKS HWY
CARLSBAD, NM 88220

RE: OGDEN SUBSTATION TANK OVERFLOW

Enclosed are the results of analyses for samples received by the laboratory on 11/16/23 9:13.

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

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

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

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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,

Mike Snyder For Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

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

Received: 11/16/2023 Reported: 11/20/2023

OGDEN SUBSTATION TANK OVERFLOW

Project Number: 03C2012016

Project Location: BTA 32.26246,-104.11690

Sampling Date: 11/14/2023

Sampling Type: Soil

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

Sample ID: FS 14 2 FT (H236266-01)

Project Name:

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	11/17/2023	ND	1.98	99.1	2.00	1.65	
Toluene*	<0.050	0.050	11/17/2023	ND	1.92	96.2	2.00	6.42	
Ethylbenzene*	<0.050	0.050	11/17/2023	ND	2.02	101	2.00	7.60	
Total Xylenes*	<0.150	0.150	11/17/2023	ND	6.11	102	6.00	8.22	
Total BTEX	<0.300	0.300	11/17/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	464	16.0	11/17/2023	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/17/2023	ND	202	101	200	1.37	
DRO >C10-C28*	<10.0	10.0	11/17/2023	ND	188	94.2	200	0.739	
EXT DRO >C28-C36	<10.0	10.0	11/17/2023	ND					
Surrogate: 1-Chlorooctane	90.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	87.1	% 49.1-14	8						

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Analytical Results For:

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

Received: 11/16/2023 Sampling Date: 11/14/2023

Reported: Sampling Type: Soil 11/20/2023

Project Name: OGDEN SUBSTATION TANK OVERFLOW Sampling Condition: Cool & Intact Shalyn Rodriguez Project Number: 03C2012016 Sample Received By:

Project Location: BTA 32.26246,-104.11690

Sample ID: FS 33 2 FT (H236266-02)

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	11/17/2023	ND	1.98	99.1	2.00	1.65	
Toluene*	<0.050	0.050	11/17/2023	ND	1.92	96.2	2.00	6.42	
Ethylbenzene*	<0.050	0.050	11/17/2023	ND	2.02	101	2.00	7.60	
Total Xylenes*	<0.150	0.150	11/17/2023	ND	6.11	102	6.00	8.22	
Total BTEX	<0.300	0.300	11/17/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.7	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	352	16.0	11/17/2023	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/17/2023	ND	202	101	200	1.37	
DRO >C10-C28*	<10.0	10.0	11/17/2023	ND	188	94.2	200	0.739	
EXT DRO >C28-C36	<10.0	10.0	11/17/2023	ND					
Surrogate: 1-Chlorooctane	89.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	85.7	% 49.1-14	8						

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Analytical Results For:

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

Received: 11/16/2023 Reported: 11/20/2023

11/20/2023 Samp OGDEN SUBSTATION TANK OVERFLOW Samp

Project Name: OGDEN SUBS Project Number: 03C2012016

Project Location: BTA 32.26246,-104.11690

Sampling Date: 11/14/2023

Sampling Type: Soil

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

Sample ID: FS 34 2 FT (H236266-03)

RTFY 8021R

BIEX 8021B	тд/кд		Anaiyze	Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/17/2023	ND	2.07	103	2.00	3.94	
Toluene*	<0.050	0.050	11/17/2023	ND	2.08	104	2.00	1.21	
Ethylbenzene*	<0.050	0.050	11/17/2023	ND	2.07	104	2.00	1.27	
Total Xylenes*	<0.150	0.150	11/17/2023	ND	6.14	102	6.00	0.643	
Total BTEX	<0.300	0.300	11/17/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	109	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	384	16.0	11/17/2023	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	11/17/2023	ND	202	101	200	1.37	
DRO >C10-C28*	<10.0	10.0	11/17/2023	ND	188	94.2	200	0.739	
EXT DRO >C28-C36	<10.0	10.0	11/17/2023	ND					
Surrogate: 1-Chlorooctane	77.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	73.4	% 49.1-14	8						

Applyzod By: 1H /

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Analytical Results For:

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

Received: 11/16/2023 Reported: 11/20/2023

OGDEN SUBSTATION TANK OVERFLOW

Project Number: 03C2012016

Project Location: BTA 32.26246,-104.11690 Sampling Date: 11/14/2023

Sampling Type: Soil

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

Sample ID: FS 35 2 FT (H236266-04)

Project Name:

BTEX 8021B	mg/kg		Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/17/2023	ND	2.07	103	2.00	3.94	
Toluene*	<0.050	0.050	11/17/2023	ND	2.08	104	2.00	1.21	
Ethylbenzene*	<0.050	0.050	11/17/2023	ND	2.07	104	2.00	1.27	
Total Xylenes*	<0.150	0.150	11/17/2023	ND	6.14	102	6.00	0.643	
Total BTEX	<0.300	0.300	11/17/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	112 %	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	512	16.0	11/17/2023	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	11/17/2023	ND	202	101	200	1.37	
DRO >C10-C28*	<10.0	10.0	11/17/2023	ND	188	94.2	200	0.739	
EXT DRO >C28-C36	<10.0	10.0	11/17/2023	ND					
Surrogate: 1-Chlorooctane	75.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	71.6	% 49.1-14	8						

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Analytical Results For:

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

Received: 11/16/2023 Reported: 11/20/2023

OGDEN SUBSTATION TANK OVERFLOW

Project Number: 03C2012016

Project Location: BTA 32.26246,-104.11690 Sampling Date: 11/14/2023

Sampling Type: Soil

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

Sample ID: FS 36 2 FT (H236266-05)

Project Name:

BTEX 8021B	mg/kg		Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/17/2023	ND	2.07	103	2.00	3.94	
Toluene*	<0.050	0.050	11/17/2023	ND	2.08	104	2.00	1.21	
Ethylbenzene*	<0.050	0.050	11/17/2023	ND	2.07	104	2.00	1.27	
Total Xylenes*	<0.150	0.150	11/17/2023	ND	6.14	102	6.00	0.643	
Total BTEX	<0.300	0.300	11/17/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	110 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	272	16.0	11/17/2023	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	11/17/2023	ND	202	101	200	1.37	
DRO >C10-C28*	<10.0	10.0	11/17/2023	ND	188	94.2	200	0.739	
EXT DRO >C28-C36	<10.0	10.0	11/17/2023	ND					
Surrogate: 1-Chlorooctane	74.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	69.2	% 49.1-14	8						

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Shalyn Rodriguez

Sample Received By:

Analytical Results For:

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

Received: 11/16/2023 Sampling Date: 11/14/2023

Reported: 11/20/2023 Sampling Type: Soil
Project Name: OGDEN SUBSTATION TANK OVERFLOW Sampling Condition: Cool & Intact

Project Number: 03C2012016

Project Location: BTA 32.26246,-104.11690

Sample ID: FS 37 2 FT (H236266-06)

BTEX 8021B	mg/kg		Analyze	Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/17/2023	ND	2.07	103	2.00	3.94	
Toluene*	<0.050	0.050	11/17/2023	ND	2.08	104	2.00	1.21	
Ethylbenzene*	<0.050	0.050	11/17/2023	ND	2.07	104	2.00	1.27	
Total Xylenes*	<0.150	0.150	11/17/2023	ND	6.14	102	6.00	0.643	
Total BTEX	<0.300	0.300	11/17/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	111	% 71.5-13	4						
Chloride, SM4500CI-B	mg	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	11/17/2023	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/17/2023	ND	202	101	200	1.37	
DRO >C10-C28*	<10.0	10.0	11/17/2023	ND	188	94.2	200	0.739	
EXT DRO >C28-C36	<10.0	10.0	11/17/2023	ND					
Surrogate: 1-Chlorooctane	86.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	80.3	% 49.1-14	8						

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Analytical Results For:

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

Received: 11/16/2023 Reported:

11/20/2023

OGDEN SUBSTATION TANK OVERFLOW

Project Number: 03C2012016

Project Location: BTA 32.26246,-104.11690 Sampling Date: 11/14/2023

Sampling Type: Soil

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

Sample ID: FS 38 2 FT (H236266-07)

Project Name:

BTEX 8021B	mg/kg		Analyze	Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/17/2023	ND	2.07	103	2.00	3.94	
Toluene*	<0.050	0.050	11/17/2023	ND	2.08	104	2.00	1.21	
Ethylbenzene*	<0.050	0.050	11/17/2023	ND	2.07	104	2.00	1.27	
Total Xylenes*	<0.150	0.150	11/17/2023	ND	6.14	102	6.00	0.643	
Total BTEX	<0.300	0.300	11/17/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	112	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	336	16.0	11/17/2023	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/17/2023	ND	202	101	200	1.37	
DRO >C10-C28*	<10.0	10.0	11/17/2023	ND	188	94.2	200	0.739	
EXT DRO >C28-C36	<10.0	10.0	11/17/2023	ND					
Surrogate: 1-Chlorooctane	78.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	73.9	% 49.1-14	8						

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Analytical Results For:

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

Received: 11/16/2023 Reported: 11/20/2023

OGDEN SUBSTATION TANK OVERFLOW

Project Number: 03C2012016

Project Location: BTA 32.26246,-104.11690

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Sampling Date: 11/14/2023

Sampling Type: Soil

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

Sample ID: FS 39 2 FT (H236266-08)

Project Name:

RTFY 8021R

B1EX 8021B	тд/кд		Anaiyze	Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/17/2023	ND	2.07	103	2.00	3.94	
Toluene*	<0.050	0.050	11/17/2023	ND	2.08	104	2.00	1.21	
Ethylbenzene*	<0.050	0.050	11/17/2023	ND	2.07	104	2.00	1.27	
Total Xylenes*	<0.150	0.150	11/17/2023	ND	6.14	102	6.00	0.643	
Total BTEX	<0.300	0.300	11/17/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	110	% 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	416	16.0	11/17/2023	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	11/17/2023	ND	202	101	200	1.37	
DRO >C10-C28*	<10.0	10.0	11/17/2023	ND	188	94.2	200	0.739	
EXT DRO >C28-C36	<10.0	10.0	11/17/2023	ND					
Surrogate: 1-Chlorooctane	79.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	74.3	% 49.1-14	8						

Applyzod By: 1H /

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Analytical Results For:

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

Received: 11/16/2023 Reported:

11/20/2023 Project Name: OGDEN SUBSTATION TANK OVERFLOW

Project Number: 03C2012016

Project Location: BTA 32.26246,-104.11690 Sampling Date: 11/14/2023

Sampling Type: Soil

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

Sample ID: FS 40 2 FT (H236266-09)

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	11/17/2023	ND	2.07	103	2.00	3.94	
Toluene*	<0.050	0.050	11/17/2023	ND	2.08	104	2.00	1.21	
Ethylbenzene*	<0.050	0.050	11/17/2023	ND	2.07	104	2.00	1.27	
Total Xylenes*	<0.150	0.150	11/17/2023	ND	6.14	102	6.00	0.643	
Total BTEX	<0.300	0.300	11/17/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	114 9	71.5-13	4						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	496	16.0	11/17/2023	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	11/17/2023	ND	202	101	200	1.37	
DRO >C10-C28*	<10.0	10.0	11/17/2023	ND	188	94.2	200	0.739	
EXT DRO >C28-C36	<10.0	10.0	11/17/2023	ND					
Surrogate: 1-Chlorooctane	89.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	84.6	% 49.1-14	8						

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Sample Received By:

Shalyn Rodriguez

Analytical Results For:

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

Received: 11/16/2023 Sampling Date: 11/14/2023

Reported: 11/20/2023 Sampling Type: Soil
Project Name: OGDEN SUBSTATION TANK OVERFLOW Sampling Condition: Cool & Intact

Project Number: 03C2012016

Project Location: BTA 32.26246,-104.11690

mg/kg

Sample ID: FS 41 2 FT (H236266-10)

BTEX 8021B

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/17/2023	ND	2.07	103	2.00	3.94	
Toluene*	<0.050	0.050	11/17/2023	ND	2.08	104	2.00	1.21	
Ethylbenzene*	<0.050	0.050	11/17/2023	ND	2.07	104	2.00	1.27	
Total Xylenes*	<0.150	0.150	11/17/2023	ND	6.14	102	6.00	0.643	
Total BTEX	<0.300	0.300	11/17/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	110 %	6 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	352	16.0	11/17/2023	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	11/17/2023	ND	202	101	200	1.37	
DRO >C10-C28*	<10.0	10.0	11/17/2023	ND	188	94.2	200	0.739	
EXT DRO >C28-C36	<10.0	10.0	11/17/2023	ND					

Analyzed By: JH/

Surrogate: 1-Chlorooctane 67.9 % 48.2-134
Surrogate: 1-Chlorooctadecane 63.3 % 49.1-148

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Analytical Results For:

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

Received: 11/16/2023 Reported: 11/20/2023

Project Name: OGDEN SUBSTATION TANK OVERFLOW

Project Number: 03C2012016

Project Location: BTA 32.26246,-104.11690 Sampling Date: 11/14/2023

Sampling Type: Soil

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

Sample ID: FS 42 4 FT (H236266-11)

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	11/17/2023	ND	2.07	103	2.00	3.94	
Toluene*	<0.050	0.050	11/17/2023	ND	2.08	104	2.00	1.21	
Ethylbenzene*	<0.050	0.050	11/17/2023	ND	2.07	104	2.00	1.27	
Total Xylenes*	<0.150	0.150	11/17/2023	ND	6.14	102	6.00	0.643	
Total BTEX	<0.300	0.300	11/17/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	111 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	11/17/2023	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	11/17/2023	ND	202	101	200	1.37	
DRO >C10-C28*	<10.0	10.0	11/17/2023	ND	188	94.2	200	0.739	
EXT DRO >C28-C36	<10.0	10.0	11/17/2023	ND					
Surrogate: 1-Chlorooctane	94.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	87.3	% 49.1-14	8						

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Analytical Results For:

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

Received: 11/16/2023 Reported: 11/20/2023

OGDEN SUBSTATION TANK OVERFLOW

Project Number: 03C2012016

Project Location: BTA 32.26246,-104.11690

Sampling Date: 11/14/2023

Sampling Type: Soil

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

Sample ID: FS 43 4 FT (H236266-12)

Project Name:

RTFY 8021R

B1EX 8021B	mg/	ky	Allalyze	a By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/17/2023	ND	2.07	103	2.00	3.94	
Toluene*	<0.050	0.050	11/17/2023	ND	2.08	104	2.00	1.21	
Ethylbenzene*	<0.050	0.050	11/17/2023	ND	2.07	104	2.00	1.27	
Total Xylenes*	<0.150	0.150	11/17/2023	ND	6.14	102	6.00	0.643	
Total BTEX	<0.300	0.300	11/17/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	113 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	11/17/2023	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	11/17/2023	ND	202	101	200	1.37	
DRO >C10-C28*	<10.0	10.0	11/17/2023	ND	188	94.2	200	0.739	
EXT DRO >C28-C36	<10.0	10.0	11/17/2023	ND					
Surrogate: 1-Chlorooctane	89.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	85.0	% 49.1-14	8						

Analyzed By: 1H /

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Analytical Results For:

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

Received: 11/16/2023 Sampling Date: 11/14/2023

Reported: Sampling Type: Soil 11/20/2023

Project Name: OGDEN SUBSTATION TANK OVERFLOW Sampling Condition: Cool & Intact Project Number: Shalyn Rodriguez 03C2012016 Sample Received By:

Project Location: BTA 32.26246,-104.11690

Sample ID: FS 44 4 FT (H236266-13)

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	11/17/2023	ND	2.07	103	2.00	3.94	
Toluene*	<0.050	0.050	11/17/2023	ND	2.08	104	2.00	1.21	
Ethylbenzene*	<0.050	0.050	11/17/2023	ND	2.07	104	2.00	1.27	
Total Xylenes*	<0.150	0.150	11/17/2023	ND	6.14	102	6.00	0.643	
Total BTEX	<0.300	0.300	11/17/2023	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	48.0	16.0	11/17/2023	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	11/17/2023	ND	202	101	200	1.37	
DRO >C10-C28*	<10.0	10.0	11/17/2023	ND	188	94.2	200	0.739	
EXT DRO >C28-C36	<10.0	10.0	11/17/2023	ND					
Surrogate: 1-Chlorooctane	65.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	61.8	% 49.1-14	8						

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Analytical Results For:

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

Received: 11/16/2023 Reported:

11/20/2023 Project Name: OGDEN SUBSTATION TANK OVERFLOW

Project Number: 03C2012016

Project Location: BTA 32.26246,-104.11690 Sampling Date: 11/14/2023

Sampling Type: Soil

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

Sample ID: SW 06 0-2 (H236266-14)

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	11/17/2023	ND	2.07	103	2.00	3.94	
Toluene*	<0.050	0.050	11/17/2023	ND	2.08	104	2.00	1.21	
Ethylbenzene*	<0.050	0.050	11/17/2023	ND	2.07	104	2.00	1.27	
Total Xylenes*	<0.150	0.150	11/17/2023	ND	6.14	102	6.00	0.643	
Total BTEX	<0.300	0.300	11/17/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	109 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	336	16.0	11/17/2023	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	11/17/2023	ND	202	101	200	1.37	
DRO >C10-C28*	<10.0	10.0	11/17/2023	ND	188	94.2	200	0.739	
EXT DRO >C28-C36	<10.0	10.0	11/17/2023	ND					
Surrogate: 1-Chlorooctane	77.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	72.5	% 49.1-14	8						

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Analytical Results For:

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

Received: 11/16/2023 Reported: 11/20/2023

OGDEN SUBSTATION TANK OVERFLOW

Project Number: 03C2012016

Project Location: BTA 32.26246,-104.11690

Sampling Date: 11/14/2023

Sampling Type: Soil

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

Sample ID: SW 07 0-2 (H236266-15)

Project Name:

RTFY 8021R

BIEX 8021B	mg	/ kg	Anaiyze	ea By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/17/2023	ND	2.07	103	2.00	3.94	
Toluene*	<0.050	0.050	11/17/2023	ND	2.08	104	2.00	1.21	
Ethylbenzene*	<0.050	0.050	11/17/2023	ND	2.07	104	2.00	1.27	
Total Xylenes*	<0.150	0.150	11/17/2023	ND	6.14	102	6.00	0.643	
Total BTEX	<0.300	0.300	11/17/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	111	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	432	16.0	11/17/2023	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/17/2023	ND	202	101	200	1.37	
DRO >C10-C28*	<10.0	10.0	11/17/2023	ND	188	94.2	200	0.739	
EXT DRO >C28-C36	<10.0	10.0	11/17/2023	ND					
Surrogate: 1-Chlorooctane	73.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	68.0	% 49.1-14	8						

Applyzod By: 1H /

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Analytical Results For:

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

Received: 11/16/2023 Sampling Date: 11/14/2023

Reported: 11/20/2023 Sampling Type: Soil

Project Name: OGDEN SUBSTATION TANK OVERFLOW Sampling Condition: Cool & Intact
Project Number: 03C2012016 Sample Received By: Shalyn Rodriguez

Analyzed By: 1H /

Project Location: BTA 32.26246,-104.11690

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Sample ID: SW 08 0-2 (H236266-16)

RTFY 8021R

B1EX 8021B	mg	/ kg	Anaiyze	a By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/17/2023	ND	2.07	103	2.00	3.94	
Toluene*	<0.050	0.050	11/17/2023	ND	2.08	104	2.00	1.21	
Ethylbenzene*	<0.050	0.050	11/17/2023	ND	2.07	104	2.00	1.27	
Total Xylenes*	<0.150	0.150	11/17/2023	ND	6.14	102	6.00	0.643	
Total BTEX	<0.300	0.300	11/17/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	110	% 71.5-13	4						
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	448	16.0	11/17/2023	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	11/17/2023	ND	208	104	200	1.42	
DRO >C10-C28*	<10.0	10.0	11/17/2023	ND	219	110	200	0.831	
EXT DRO >C28-C36	<10.0	10.0	11/17/2023	ND					
Surrogate: 1-Chlorooctane	89.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	105	% 49.1-14	8						

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Analytical Results For:

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

Received: 11/16/2023 Sampling Date: 11/14/2023

Reported: 11/20/2023 Sampling Type: Soil

Project Name: OGDEN SUBSTATION TANK OVERFLOW Sampling Condition: Cool & Intact
Project Number: 03C2012016 Sample Received By: Shalyn Rodriguez

Analyzed By: 1H /

Project Location: BTA 32.26246,-104.11690

Sample ID: SW 09 0-2 (H236266-17)

RTFY 8021R

Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD	BIEX 8021B	mg,	/ kg	Anaiyze	ea By: JH/					
Toluene* < 0.050	Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Ethylbenzene* < 0.050	Benzene*	<0.050	0.050	11/17/2023	ND	2.07	103	2.00	3.94	
Total Xylenes* <0.150 0.150 11/17/2023 ND 6.14 102 6.00 0.643 Total BTEX <0.300	Toluene*	<0.050	0.050	11/17/2023	ND	2.08	104	2.00	1.21	
Total BTEX <0.300 0.300 11/17/2023 ND Surrogate: 4-Bromofluorobenzene (PID 1111 % 71.5-134 Chloride, SM4500Cl-B mg/ky Analyzed By: AC Chloride 1070 16.0 11/17/2023 ND 416 104 400 3.77 TPH 8015M mg/ky Analyzed By: MS Analyted Blank BS % Recovery True Value QC RPD GRO C6-C10* <10.0	Ethylbenzene*	<0.050	0.050	11/17/2023	ND	2.07	104	2.00	1.27	
Surrogate: 4-Bromofluorobenzene (PID 111 % 71.5-134 Chloride, SM4500Cl-B mg/ky Analyzed By: AC Method Blank BS % Recovery True Value QC RPD Chloride 1070 16.0 11/17/2023 ND 416 104 400 3.77 TPH 8015M mg/ky Analyzed By: MS Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD GRO C6-C10* <10.0	Total Xylenes*	<0.150	0.150	11/17/2023	ND	6.14	102	6.00	0.643	
Chloride, SM4500Cl-B mg/kg Analyzed Method Blank BS % Recovery True Value QC RPD Chloride 1070 16.0 11/17/2023 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 GRO C6-C10* <10.0	Total BTEX	<0.300	0.300	11/17/2023	ND					
Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD Chloride 1070 16.0 11/17/2023 ND 416 104 400 3.77 TPH 8015M mg/ky Analyzed By: MS Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD GRO C6-C10* <10.0 10.0 11/17/2023 ND 208 104 200 1.42 DRO >C10-C28* <10.0 10.0 11/17/2023 ND 219 110 200 0.831 EXT DRO >C28-C36 <10.0 10.0 11/17/2023 ND Surrogate: 1-Chlorooctane 96.4 % 48.2-134	Surrogate: 4-Bromofluorobenzene (PID	111 9	% 71.5-13	4						
Chloride 1070 16.0 11/17/2023 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 GRO C6-C10* <10.0	Chloride, SM4500CI-B	mg	/kg	Analyze	ed By: AC					
TPH 8015M mg/kg Analyzed By: MS Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD GRO C6-C10* <10.0	Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD GRO C6-C10* <10.0 10.0 11/17/2023 ND 208 104 200 1.42 DRO >C10-C28* <10.0 10.0 11/17/2023 ND 219 110 200 0.831 EXT DRO >C28-C36 <10.0 10.0 11/17/2023 ND Surrogate: 1-Chlorooctane 96.4 % 48.2-134	Chloride	1070	16.0	11/17/2023	ND	416	104	400	3.77	
GRO C6-C10* <10.0 10.0 11/17/2023 ND 208 104 200 1.42 DRO >C10-C28* <10.0 10.0 11/17/2023 ND 219 110 200 0.831 EXT DRO >C28-C36 <10.0 10.0 11/17/2023 ND Surrogate: 1-Chlorooctane 96.4 % 48.2-134	TPH 8015M	mg	/kg	Analyze	ed By: MS					
DRO >C10-C28* < 10.0 10.0 11/17/2023 ND 219 110 200 0.831 EXT DRO >C28-C36 <10.0 10.0 11/17/2023 ND Surrogate: 1-Chlorooctane 96.4 % 48.2-134	Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
EXT DRO >C28-C36 <10.0 10.0 11/17/2023 ND Surrogate: 1-Chlorooctane 96.4 % 48.2-134	GRO C6-C10*	<10.0	10.0	11/17/2023	ND	208	104	200	1.42	
Surrogate: 1-Chlorooctane 96.4 % 48.2-134	DRO >C10-C28*	<10.0	10.0	11/17/2023	ND	219	110	200	0.831	
	EXT DRO >C28-C36	<10.0	10.0	11/17/2023	ND					
Surrogate: 1-Chlorooctadecane 111 % 49.1-148	Surrogate: 1-Chlorooctane	96.4	% 48.2-13	4						
	Surrogate: 1-Chlorooctadecane	111 9	% 49.1-14	8						

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Mile Sough



Sample Received By:

11/14/2023

Shalyn Rodriguez

Analytical Results For:

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

Received: 11/16/2023 Sampling Date:

Reported: 11/20/2023 Sampling Type: Soil
Project Name: OGDEN SUBSTATION TANK OVERFLOW Sampling Condition: Cool & Intact

Project Number: 03C2012016

Project Location: BTA 32.26246,-104.11690

ma/ka

Sample ID: SW 10 0-4 (H236266-18)

BTEX 8021B

BIEX 8021B	mg/	кg	Anaiyze	а ву: эп/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/17/2023	ND	2.07	103	2.00	3.94	
Toluene*	<0.050	0.050	11/17/2023	ND	2.08	104	2.00	1.21	
Ethylbenzene*	<0.050	0.050	11/17/2023	ND	2.07	104	2.00	1.27	
Total Xylenes*	<0.150	0.150	11/17/2023	ND	6.14	102	6.00	0.643	
Total BTEX	<0.300	0.300	11/17/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	115	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	11/17/2023	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	11/17/2023	ND	208	104	200	1.42	
DRO >C10-C28*	<10.0	10.0	11/17/2023	ND	219	110	200	0.831	
EXT DRO >C28-C36	<10.0	10.0	11/17/2023	ND					
Surrogate: 1-Chlorooctane	94.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	108	% 49.1-14	8						

Analyzed By: JH/

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Mile Sough



Analytical Results For:

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

Received: 11/16/2023 Sampling Date: 11/14/2023

Reported: Sampling Type: Soil 11/20/2023

Project Name: OGDEN SUBSTATION TANK OVERFLOW Sampling Condition: Cool & Intact Project Number: Shalyn Rodriguez 03C2012016 Sample Received By:

Project Location: BTA 32.26246,-104.11690

Sample ID: SW 11 0-4 (H236266-19)

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	11/17/2023	ND	2.07	103	2.00	3.94	
Toluene*	<0.050	0.050	11/17/2023	ND	2.08	104	2.00	1.21	
Ethylbenzene*	<0.050	0.050	11/17/2023	ND	2.07	104	2.00	1.27	
Total Xylenes*	<0.150	0.150	11/17/2023	ND	6.14	102	6.00	0.643	
Total BTEX	<0.300	0.300	11/17/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	114 %	% 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	11/17/2023	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	11/17/2023	ND	208	104	200	1.42	
DRO >C10-C28*	<10.0	10.0	11/17/2023	ND	219	110	200	0.831	
EXT DRO >C28-C36	<10.0	10.0	11/17/2023	ND					
Surrogate: 1-Chlorooctane	111 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	128 9	% 49.1-14	8						

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Analytical Results For:

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

Received: 11/16/2023 Reported: 11/20/2023

OGDEN SUBSTATION TANK OVERFLOW

Project Name: Project Number: 03C2012016

Project Location: BTA 32.26246,-104.11690 Sampling Date: 11/14/2023

Sampling Type: Soil

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

Sample ID: SW 12 0-4 (H236266-20)

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	11/17/2023	ND	2.07	103	2.00	3.94	
Toluene*	<0.050	0.050	11/17/2023	ND	2.08	104	2.00	1.21	
Ethylbenzene*	<0.050	0.050	11/17/2023	ND	2.07	104	2.00	1.27	
Total Xylenes*	<0.150	0.150	11/17/2023	ND	6.14	102	6.00	0.643	
Total BTEX	<0.300	0.300	11/17/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	112 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	48.0	16.0	11/17/2023	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	11/17/2023	ND	208	104	200	1.42	
DRO >C10-C28*	<10.0	10.0	11/17/2023	ND	219	110	200	0.831	
EXT DRO >C28-C36	<10.0	10.0	11/17/2023	ND					
Surrogate: 1-Chlorooctane	107 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	124 9	% 49.1-14	8						

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Notes and Definitions

QR-03 The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.

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

recovery.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

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

*** Insufficient time to reach temperature.

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

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

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Mile Sough

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST



Project #: 05C Project Manager: Had Olle Company Name: Ensolum, LLC Phone #: 432-557-8695Fax #: Address: 3)22 Hotical PASIENCE PASIENCE Sampler Name: ~~~~ Relinquished By Relinquished By: service. In no event shall Cardinal be tiable for incidental or FOR LAB USE ONLY Sampler - UPS - Bus - Other: Lab I.D. Delivered By: Coulspan Cat. 6: 32.26246 (Circle One) (575) 393-2326 FAX (575) 393-2476 2012016 28.5 533 Sample I.D. 8 Substation tankoverton D'Ses Project Owner: State: ANN Time: 0732 Date: 11//[5/23 11-10-23 Depth (feet) -104.1169 Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com Zip: 38 (G)RAB OR (C)OMP Received By # CONTAINERS GROUNDWATER WASTEWATER Cool Intact
Yes Yes 20 Sample Condition MATRIX SOIL OIL SLUDGE P.O. #: Phone #: city: M, Cl Attn: Kelton Beairo Company: 6TAOI loss of use, or loss State: X Address: OY See OTHER Fax #: ACID/BASE PRESERV ICE / COOL CHECKED BY BILL TO OTHER Initials) Zip: 7970 ano DATE 14238:30 4.4.4 SAMPLING SO: DS 9,00 00 2 8 All Results are emailed. Please provide Email address: Verbal Result: Turnaround Time: REMARKS: Thermometer ID #113 TIME 0 on of the applicable □ Yes Standard Rush ANALYSIS Add'l Phone #: Cool Intact Bacteria (only) Sample Condition REQUEST Corrected Temp. °C Observed Temp. ô

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST



n.com	iges to celey.keene@cardinallabsnn	Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com	FORM-008 R 3.2 10/07/21 + C:
Cool Intact Observed Temp. °C Yes Yes No No Corrected Temp. °C	Turnaround intel Sush Thermometer ib Ares Correction Factor OFFE	Sample Condition CHECKED BY: Cool Intact Checked By: Cool Intact C	Delivered By: (Circle One) Observed Temp. °C Sampler - UPS - Bus - Other: Corrected Temp. °C
Bacteria (only) Sample Condition		33 Received By: Shodpigned	Relimquished By Date -
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	and a	HWY	\$ 10C
		P.O. #:	Project Manager: Hardline or 60
ANALYSIS REGUES!	ANA	BILL TO	Company Name: Ensolum, LLC
		93-2476	(575) 393-2326 FAX (575) 393-2476



November 30, 2023

HADLIE GREEN

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: OGDEN SUBSTATION TANK OVERFLOW

Enclosed are the results of analyses for samples received by the laboratory on 11/29/23 10:40.

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

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

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

Accreditation applies to public drinking water matrices.

Celey D. Keene

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

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

Received: 11/29/2023 Reported: 11/30/2023

OGDEN SUBSTATION TANK OVERFLOW

Project Name: OGDEN SUBS Project Number: 03C2012016

Project Location: BTA 32.261866,-104.117304

Sampling Date: 11/29/2023

Sampling Type: Soil

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

Sample ID: SW 13 0'-2' (H236412-01)

BTEX 8021B	mg,	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/29/2023	ND	1.82	91.0	2.00	7.67	
Toluene*	<0.050	0.050	11/29/2023	ND	1.85	92.6	2.00	7.97	
Ethylbenzene*	<0.050	0.050	11/29/2023	ND	1.86	93.0	2.00	7.99	
Total Xylenes*	<0.150	0.150	11/29/2023	ND	5.52	91.9	6.00	7.82	
Total BTEX	<0.300	0.300	11/29/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	114 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	528	16.0	11/29/2023	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	11/29/2023	ND	225	113	200	3.21	
DRO >C10-C28*	<10.0	10.0	11/29/2023	ND	225	113	200	2.18	
EXT DRO >C28-C36	<10.0	10.0	11/29/2023	ND					
Surrogate: 1-Chlorooctane	102	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	118 9	% 49.1-14	8						

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Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



Notes and Definitions

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

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

*** Insufficient time to reach temperature.

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

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

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Celeg D. Freene

Celey D. Keene, Lab Director/Quality Manager

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

CARDINAL
Laboratories
101 East Marland, Hobbs, NM 882

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

Address: UM 5, Roos 5t City: Midaud State: T Zip: 79 70 Phone #: 432-312-2203 Fax #: MATRIX PRESERV SAMPLING PRESERV SAMPLING Fax #: MATRIX PRESERV SAMPLIN		T Cardinal cannot accept verbal changes. Please email changes to celev keene@cardinallahenm com	
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Attn: Kelton Bezird Address: ID4 5, Ross 54 City: Midaud State: Tx zip: 79 70 Phone #: 432-312-2203 Fax #: PRESERV SAMPLING ###################################	T.	# CO GRO WAS SOIL OIL SLUE OTHE OTHE	1436412
Attn: Kelton Bezird Address: ID4 5, Ras 5t City: Midaud State: TX Zip: 79 70 Phone #: 432-312-2203 Fax #: MATRIX PRESERV. SAMPLING	LE	PER DONTAL	form the
Attn: Kelton Bezird Address: IDH 5, Ross St City: Midaud State: The Zip: 79 70 Phone #: 432-312-2203 Fax #: MATRIX PRESERV. SAMPLING	X	NERS WATER	Lab I.D. Sample I.D.
Attn: Kelton Bezird Address: IDH 5, Russ St City: Midland State: The Zip: 79 70 Phone #: 432-312-2203 Fax #:		PRESERV	
		Fax #:	FOR LAB USE ONLY
, o	3	Phone #: 432-317-27	4 :
Ç			
7/01			Project #: 03C-2012016
Attn: Total	4	Fax #: Address: IDH S Pos	Phone #: 452-557-8075
300		るます	-
Com		#400 Company:	Address: (601 N). Marianfeld St
P.O. #:		P.O. #:	
BILL TO ANALYSIS REQUEST			Project Manager: I II

Page 4 of 4



APPENDIX E

NMOCD Notifications

From: Wells, Shelly, EMNRD

To: Hadlie Green

Cc: Peter Van Patten; Hamlet, Robert, EMNRD; Bratcher, Michael, EMNRD

Subject: RE: [EXTERNAL] BTA - Containment Inspection - Ogden Substation Tank Overflow (Incident Number

nAPP2230983706)

Date: Thursday, October 26, 2023 2:07:18 PM

[**EXTERNAL EMAIL**]

Hi Hadlie,

The OCD has received your notification. Please include the time in future notifications to OCD. Include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

Thank you,

Shelly

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

From: Hadlie Green hgreen@ensolum.com>
Sent: Thursday, October 26, 2023 12:49 PM

To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov> **Cc:** Peter Van Patten <pvanpatten@ensolum.com>

Subject: [EXTERNAL] BTA - Containment Inspection - Ogden Substation Tank Overflow (Incident

Number nAPP2230983706)

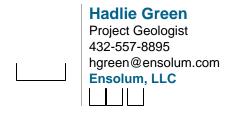
CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

To Whom It May Concern,

Below is an email notification for liner inspection at BTA Oil Producers, LLC (BTA) Ogden Substation Tank Overflow, Spill Date 11-4-2022. This is a notification that Ensolum is scheduled to inspect this lined containment on behalf of BTA on Monday, October 30, 2023. Please call with any questions or concerns.

GPS: 32.26246, -104.11691

Thank you,



From: Wells, Shelly, EMNRD To: **Hadlie Green**

Cc: Kelton Beaird; Tacoma Morrissey; Aimee Cole; Hamlet, Robert, EMNRD; Bratcher, Michael, EMNRD; Velez,

Nelson, EMNRD

Subject: RE: [EXTERNAL] BTA - Sampling Notification - Week of 11/6/2023

Thursday, November 2, 2023 3:41:20 PM Date:

Attachments: image001.png image002.png

image003.png image004.png

[**EXTERNAL EMAIL**]

Hi Hadlie,

The OCD has received your notification. Include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

Thank you,

Shelly

Shelly Wells * Environmental Specialist-Advanced

Environmental Bureau

EMNRD-Oil Conservation Division

1220 S. St. Francis Drive | Santa Fe, NM 87505

(505)469-7520|Shelly.Wells@emnrd.nm.gov

http://www.emnrd.state.nm.us/OCD/

From: Hadlie Green <hgreen@ensolum.com> Sent: Thursday, November 2, 2023 2:21 PM

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

Cc: Kelton Beaird < KBeaird@btaoil.com>; Tacoma Morrissey < tmorrissey@ensolum.com>; Aimee

Cole <acole@ensolum.com>

Subject: [EXTERNAL] BTA - Sampling Notification - Week of 11/6/2023

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

All,

BTA anticipates collecting confirmation samples at the following locations the week of November 6, 2023.

Ogden Substation Tank Overflow / NAPP2230983706

Sampling Date: 11/7-8/2023 @ 9:00 AM MST

- Vaca West Tank Battery / nAPP2202849030
 - Sampling Date: 11/9/2023 @ 9:00 AM MST

Thank you,



From: <u>Hamlet, Robert, EMNRD</u>

To: <u>Hadlie Green</u>

Cc: KBeaird@btaoil.com; Tacoma Morrissey; Aimee Cole; Bratcher, Michael, EMNRD; Wells, Shelly, EMNRD; Velez,

Nelson, EMNRD

Subject: RE: [EXTERNAL] BTA - Extension Request - Ogden Substation Tank Overflow (Incident Number

nAPP2230983706)

Date: Tuesday, November 14, 2023 8:48:04 AM

Attachments: <u>image006.png</u>

image007.png image008.png image009.png

You don't often get email from robert.hamlet@emnrd.nm.gov. Learn why this is important

[**EXTERNAL EMAIL**]

Hadlie,

The OCD Spill Rule states, "The responsible party must submit information characterizing the release to the appropriate division district office within 90 days of discovery of the release or characterize the release by submitting a final closure report within 90 days of discovery of the release in accordance with Subsection E of 19.15.29.12 NMAC. The responsible party may seek an extension of time to submit characterization information for good cause as determined by the division. A remediation plan was due for this incident on **2/2/2023**. A onetime extension of 30 days is granted for the above release. Please have a remediation plan and/or closure report loaded to the payment portal no later than 12/14/2023. On future incidents, If an extension is requested outside of the 90 day deadline, it will be denied. Please include this e-mail correspondence in the remediation plan and/or closure report.

Robert Hamlet • Environmental Specialist - Advanced

Environmental Bureau
EMNRD - Oil Conservation Division
506 W. Texas Ave.| Artesia, NM 88210
575.909.0302 | robert.hamlet@state.nm.us

http://www.emnrd.state.nm.us/OCD/



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

Sent: Monday, November 13, 2023 9:53 AM

To: Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov> **Cc:** Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>

Subject: FW: [EXTERNAL] BTA - Extension Request - Ogden Substation Tank Overflow (Incident

Number nAPP2230983706)

From: Hadlie Green < hgreen@ensolum.com>

Sent: Friday, November 10, 2023 1:26 PM

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

Cc: Kelton Beaird < KBeaird@btaoil.com >; Tacoma Morrissey < tmorrissey@ensolum.com >; Aimee Cole <acole@ensolum.com >

Subject: [EXTERNAL] BTA - Extension Request - Ogden Substation Tank Overflow (Incident Number nAPP2230983706)

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

All,

BTA is requesting an extension for the current deadline of November 19, 2023, for submitting a remediation work plan or closure report required in 19.15.29.12.B.(1) NMAC for the Ogden Substation Tank Overflow (Incident Number nAPP2230983706). The release was discovered on November 4, 2022. Initial site assessment activities have been completed and excavation activities are ongoing. In order to complete the additional remediation activities and submit a remediation work plan or closure report, BTA requests a 30-day extension of this deadline until December 19, 2023.

Thank you,



Hadlie Green

Project Geologist 432-557-8895 hgreen@ensolum.com Ensolum, LLC From: Wells, Shelly, EMNRD

To: Hadlie Green

 Cc:
 Kelton Beaird; Tacoma Morrissey; Aimee Cole; Hamlet, Robert, EMNRD; Bratcher, Michael, EMNRD

 Subject:
 RE: [EXTERNAL] BTA - Sampling Notification - Ogden Substation Tank Overflow (Incident Number

nAPP2230983706)

Date: Monday, November 13, 2023 10:50:56 AM

Attachments: <u>image001.png</u>

image002.png image003.png image004.png

[**EXTERNAL EMAIL**]

Hi Hadlie,

The OCD has received your notification. Notification requirements are **two full business days**, per rule. You may proceed on your schedule. This, and all correspondence, should be included in the closure report to ensure inclusion in the project file.

Thank you,

Shelly

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

From: Hadlie Green hgreen@ensolum.com>
Sent: Friday, November 10, 2023 10:51 AM

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

Cc: Kelton Beaird <KBeaird@btaoil.com>; Tacoma Morrissey <tmorrissey@ensolum.com>; Aimee Cole <acole@ensolum.com>

Subject: [EXTERNAL] BTA - Sampling Notification - Ogden Substation Tank Overflow (Incident Number nAPP2230983706)

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

All,

BTA anticipates collecting confirmation samples at the following location on Tuesday, November 14, 2023.

- Ogden Substation Tank Overflow / nAPP2230983706
 - Sampling Date: 11/14/2023 @ 9:00 AM MST
 - GPS: 32.26246, -104.11691

Thank you,



Hadlie Green

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



APPENDIX F

Final C-141

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

State of New Mexico Energy Minerals and Natural Resources Department

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

Incident ID	nAPP2230983706
District RP	
Facility ID	fAB1904636949
Application ID	

Release Notification

Responsible Party

Responsible Party: BTA Oil Producers, LLC	OGRID: 260297
Contact Name: Bob Hall	Contact Telephone: 432-682-3753
Contact email: bhall@btaoil.com	Incident # (assigned by OCD) nAPP2230983706
Contact mailing address: 104 S. Pecos St., Midland, TX 79701	

Location of Release Source

Latitude: 32.26246 Longitude: -104.11691

(NAD 83 in decimal degrees to 5 decimal places)

Site Name: C	Ogden Sub	station Tank O	verflow		Site Type: Tank Battery	1
Date Release	Discovered:	11/4/2022			API# (if applicable) Nearest we	11:
	1	T	T			1
Unit Letter	Section	Township	Range		County	
E	32	23S	28E	Edd	У	
	<u> </u>	<u> </u>	I	1		1
Surface Owner:						
	_		_ `	,		

Nature and Volume of Release

Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below) Crude Oil Volume Released (bbls) Volume Recovered (bbls) Produced Water 988 BBL 972 BBL Volume Released (bbls) Volume Recovered (bbls) Is the concentration of dissolved chloride in the Yes No produced water >10,000 mg/l? Condensate Volume Released (bbls) Volume Recovered (bbls) Natural Gas Volume Released (Mcf) Volume Recovered (Mcf) Volume/Weight Recovered (provide units) Other (describe) Volume/Weight Released (provide units) Cause of Release Pump Failure. A transfer pump failed to start, allowing the tanks to overflow into the secondary containment. The containment completely filled and overflowed. Recovered 100 BW with vacuum trucks from the ground and recovered the 872 BW volume of the secondary containment.

Spill Volume Calculation is attached.

Received by OCD: 12/14/2023 10:52:03 AM State of New Mexico
Page 2 Oil Conservation Division

Page.	H473eo;	f 186
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Incident ID	nAPP2230983706
District RP	
Facility ID	fAB1904636949
Application ID	

Was this a major	If YES, for what reason(s) does the responsible party consider this a major release?
release as defined by 19.15.29.7(A) NMAC?	The release volume exceeded 25 BBL fluid.
	The release volume executed 25 BBE maid.
∑ Yes ☐ No	
If YES was immediate no	otice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?
	esent Incident ID nAPP2230983706 was filed on 11/5/2022.
	T
	Initial Response
The responsible	party must undertake the following actions immediately unless they could create a safety hazard that would result in injury
The source of the rele	• •
	s been secured to protect human health and the environment.
	we been contained via the use of berms or dikes, absorbent pads, or other containment devices.
<u> </u>	ecoverable materials have been removed and managed appropriately.
If all the actions described	d above have <u>not</u> been undertaken, explain why:
Per 10 15 20 8 R (A) NM	AC the responsible party may commence remediation immediately after discovery of a release. If remediation
has begun, please attach	a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred at area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.
	rmation given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and
	required to report and/or file certain release notifications and perform corrective actions for releases which may endanger nent. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have
failed to adequately investig	ate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In f a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws
and/or regulations.	a C-141 report does not reneve the operator of responsibility for comphance with any other rederar, state, or local laws
Printed Name: Bob Hal	Title: Environmental Manager
Fillited Name. BOD Har	Title. Liivii Oilineittai ivialiagei
Signature:/s/ Bob	Hall Date: 11/17/2022
email: bhall@btaoil.co	om Telephone: 432-682-3753
OCD Only	
	- Hariman
Received by:Jocelyl	Date:1/18/2022

Location Ogden Water Station

API#

Spill Date 11/4/2022

Spill Dimensions

ENTER - Length of Spill 111 feet **ENTER** - Width of Spill 111 feet **ENTER** - Saturation Depth of Spill 3 inches

ENTER - Porosity Factor 0.03 decimal

Oil Cut - Well Test / Vessel Throughput or Contents

Oil 0.001 Water 99.999 Calculated Oil Cut 0.00001

Volume Recovered in Truck / Containment

ENTER - Recovered Oil **BBL ENTER** - Recovered Water

Calculated Values

Release of Oil in Soil - Unrecovered 0 **BBL** 16 *BBL* Release of Water in Soil - Unrecovered **Unrecovered Total Release** 16 *BBL*

Calculated Values

calculated Total Release of Oil 0 **BBL** 988 **BBL** Total Release of Water **Total Release** 988 **BBL**

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

(Length X Width X Depth X 1 ft/12 in) X Porosity 5.615 ft³ / BBL

Oil Cut X (or Water Cut)

calculated

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

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

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

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

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

CONDITIONS

Action 159896

CONDITIONS

Operator:	OGRID:
BTA OIL PRODUCERS, LLC	260297
104 S Pecos	Action Number:
Midland, TX 79701	159896
	Action Type:
	[C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jharimon	None	11/18/2022

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Incident ID	nAPP2230983706
District RP	
Facility ID	fAB1904636949
Application ID	

Site Assessment/Characterization

This information must be provided to the appropriate district office no tales man 20 days after the release discovery date.	
What is the shallowest depth to groundwater beneath the area affected by the release?	51-100 (ft bgs)
Did this release impact groundwater or surface water?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes 🛛 No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	☐ Yes 🏻 No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ☒ No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes ☒ No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ☒ No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes 🛛 No
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ☒ No
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ☒ No
Are the lateral extents of the release overlying an unstable area such as karst geology?	X Yes ☐ No
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ☒ No
Did the release impact areas not on an exploration, development, production, or storage site?	☐ Yes ☒ No
Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and ver contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.	tical extents of soil

Characte	rization Report Checklist: Each of the following items must be included in the report.
Field Data Deptl Deter Borin Photo	d site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells. data table of soil contaminant concentration data to water determination mination of water sources and significant watercourses within ½-mile of the lateral extents of the release ag or excavation logs ographs including date and GIS information graphic/Aerial maps ratory data including chain of custody

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

Received by OCD: 12/14/2023 10:52:03 AM Form C-141 State of New Mexico Page 4 Oil Conservation Division

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	- 180 - 1 OJ - 1
Incident ID	nAPP2230983706
District RP	
Facility ID	fAB1904636949
Application ID	

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.		
Printed Name: Kelton Beaird	Title: Environmental Manager	
Signature:	Date:	
email: kbeaird@btaoil.com	Telephone: 432-312-2203	
	1	
OCD Only		
Received by:	Date:	

Page 178 of 186

	- "8" - " o " j - "
Incident ID	nAPP2230983706
District RP	
Facility ID	fAB1904636949
Application ID	

Closure

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

Closure Report Attachment Checklist: Each of the following	items must be included in the closure report.	
★ A scaled site and sampling diagram as described in 19.15.29.11 NMAC		
Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)		
■ Laboratory analyses of final sampling (Note: appropriate OD)	C District office must be notified 2 days prior to final sampling)	
Description of remediation activities		
and regulations all operators are required to report and/or file certa may endanger public health or the environment. The acceptance of should their operations have failed to adequately investigate and reshuman health or the environment. In addition, OCD acceptance of compliance with any other federal, state, or local laws and/or regularestore, reclaim, and re-vegetate the impacted surface area to the conformation with 19.15.29.13 NMAC including notification to the Conformation.	lations. The responsible party acknowledges they must substantially onditions that existed prior to the release or their final land use in OCD when reclamation and re-vegetation are complete.	
Printed Name: Kelton Beaird	Title: Environmental Manager	
Signature:	Date:	
email: kbeaird@btaoil.com	Telephone: 432-312-2203	
OCD Only		
Received by:	Date:	
	y of liability should their operations have failed to adequately investigate and water, human health, or the environment nor does not relieve the responsible for regulations.	
Closure Approved by:	Date:	
Printed Name:	Title:	

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

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

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

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

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

QUESTIONS

Action 294623

QUESTIONS

ı	Operator:	OGRID:
ı	BTA OIL PRODUCERS, LLC	260297
ı	104 S Pecos	Action Number:
ı	Midland, TX 79701	294623
ı		Action Type:
ı		[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2230983706
Incident Name	NAPP2230983706 OGDEN SUBSTATION TANK OVERFLOW @ 0
Incident Type	Produced Water Release
Incident Status	Remediation Closure Report Received
Incident Facility	[fAB1904636949] OGDEN 20509 SWD SUBSTATION TANK BATTERY

Location of Release Source		
Please answer all the questions in this group.		
Site Name	OGDEN SUBSTATION TANK OVERFLOW	
Date Release Discovered	11/04/2022	
Surface Owner	State	

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

Nature and Volume of Release		
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.		
Crude Oil Released (bbls) Details	Not answered.	
Produced Water Released (bbls) Details	Cause: Overflow - Tank, Pit, Etc. Pump Produced Water Released: 988 BBL Recovered: 972 BBL Lost: 16 BBL.	
Is the concentration of chloride in the produced water >10,000 mg/l	Yes	
Condensate Released (bbls) Details	Not answered.	
Natural Gas Vented (Mcf) Details	Not answered.	
Natural Gas Flared (Mcf) Details	Not answered.	
Other Released Details	Not answered.	
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Pump failed to start. Overflowed water tanks. Secondary containment completely filled and overflowed. Recovered 100 BW with vacuum trucks from ground.	

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

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 294623

1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462	Santa	11 e, NIVI 07 303
	QUESTI	ONS (continued)
Operator:		OGRID:
BTA OIL PRODUCERS, LLC		260297
104 S Pecos Midland, TX 79701		Action Number: 294623
Midialid, 1X 79701		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 NMA	AC	Yes
Reasons why this would be considered a submission for a notification release		From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of	f 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 c	could create a s	afety hazard that would result in injury. T
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 pads, or other containment devices	, absorbent	True
All free liquids and recoverable materials have been removed and man appropriately	aged	True
If all the actions described above have not been undertaken, explain why	у	Not answered.
	essfully complet	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 act the OCD does not relieve the operator of liability should their operations ha	tions for relea	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
		Name: BTA ENSOLUM

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

QUESTIONS, Page 3

Action 294623

QUESTIONS (continued)

Operator:	OGRID:
BTA OIL PRODUCERS, LLC	260297
104 S Pecos	Action Number:
Midland, TX 79701	294623
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Site Characterization		
Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.		
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 51 and 75 (ft.)	
What method was used to determine the depth to ground water	U.S. Geological Survey	
Did this release impact groundwater or surface water	No	
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:		
A continuously flowing watercourse or any other significant watercourse	Between 1000 (ft.) and ½ (mi.)	
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1 and 5 (mi.)	
An occupied permanent residence, school, hospital, institution, or church	Between 1 and 5 (mi.)	
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1000 (ft.) and ½ (mi.)	
Any other fresh water well or spring	Between 1000 (ft.) and ½ (mi.)	
Incorporated municipal boundaries or a defined municipal fresh water well field	Between 1 and 5 (mi.)	
A wetland	Between ½ and 1 (mi.)	
A subsurface mine	Greater than 5 (mi.)	
An (non-karst) unstable area	Zero feet, overlying, or within area	
Categorize the risk of this well / site being in a karst geology	High	
A 100-year floodplain	Between 1 and 5 (mi.)	
Did the release impact areas not on an exploration, development, production, or storage site	No	

Remediation Plan		
Please answer all the questions that apply or are indicated. This information must be prov	vided to the appropriate district office no later than 90 days after the release discovery date.	
Requesting a remediation plan approval with this submission	Yes	
Attach a comprehensive report demonstrating the lateral and vertical extents of soil contains	mination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.	
Have the lateral and vertical extents of contamination been fully delineated	Yes	
Was this release entirely contained within a lined containment area	No	
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)		
Chloride (EPA 300.0 or SM4500 Cl B)	38000	
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	400.9	
GRO+DRO (EPA SW-846 Method 8015M)	348	
BTEX (EPA SW-846 Method 8021B or 8260B)	0	
Benzene (EPA SW-846 Method 8021B or 8260B)	0	
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes co which includes the anticipated timelines for beginning and completing the remediation.	ompleted efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC,	
On what estimated date will the remediation commence	11/21/2022	
On what date will (or did) the final sampling or liner inspection occur	11/16/2023	
On what date will (or was) the remediation complete(d)	11/16/2023	
What is the estimated surface area (in square feet) that will be reclaimed	0	
What is the estimated volume (in cubic yards) that will be reclaimed	0	
What is the estimated surface area (in square feet) that will be remediated	8845	
What is the estimated volume (in cubic yards) that will be remediated	504	
These estimated dates and measurements are recognized to be the best guess or calculate	tion at the time of submission and may (be) change(d) over time as more remediation efforts are completed.	
The OCD recognizes that proposed remediation measures may have to be minimally adjust	isted in accordance with the physical realities encountered during remediation. If the responsible party has any need to	

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

District I

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Phone:(505) 334-6178 Fax:(505) 334-6170 <u>District IV</u>

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

QUESTIONS, Page 4

Action 294623

QUESTIONS (continued)

Operator:	OGRID:
BTA OIL PRODUCERS, LLC	260297
104 S Pecos	Action Number:
Midland, TX 79701	294623
	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	R360 Artesia LLC LANDFARM [fEEM0112340644]	
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)	No	
(In Situ) Soil Vapor Extraction	No	
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	No	
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	No	
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	No	
Ground Water Abatement pursuant to 19.15.30 NMAC	No	
OTHER (Non-listed remedial process)	No	

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

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

I hereby agree and sign off to the above statement

Name: BTA ENSOLUM Title: Environmental Manager Email: kbeaird@btaoil.com Date: 12/14/2023

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

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QUESTIONS, Page 5

Action 294623

QUESTIONS (continued)

Operator:	OGRID:
BTA OIL PRODUCERS, LLC	260297
104 S Pecos	Action Number:
Midland, TX 79701	294623
	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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Energy, Minerals and Natural Resources
Oil Conservation Division
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Santa Fe, NM 87505

QUESTIONS, Page 6

Action 294623

QUESTIONS (continued)

Operator:	OGRID:
BTA OIL PRODUCERS, LLC	260297
104 S Pecos	Action Number:
Midland, TX 79701	294623
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded 294619	
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	11/14/2023
What was the (estimated) number of samples that were to be gathered	57
What was the sampling surface area in square feet	8845

Remediation Closure Request		
Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.		
Requesting a remediation closure approval with this submission	Yes	
Have the lateral and vertical extents of contamination been fully delineated	Yes	
Was this release entirely contained within a lined containment area	No	
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes	
What was the total surface area (in square feet) remediated	8845	
What was the total volume (cubic yards) remediated	504	
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	0	
What was the total volume (in cubic yards) reclaimed	0	
Summarize any additional remediation activities not included by answers (above)	Excavation was backfilled with non-waste containing soil. Area will be reclaimed upon pad P&A	

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

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

Name: BTA ENSOLUM
Title: Environmental Manager
Email: kbeaird@btaoil.com
Date: 12/14/2023

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QUESTIONS, Page 7

Action 294623

QUESTIONS (continued)

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104 S Pecos	Action Number:
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	[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 294623

CONDITIONS

Operator:	OGRID:
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104 S Pecos	Action Number:
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	Action Type:
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CONDITIONS

Created By	Condition	Condition Date
scott.rodgers	None	2/20/2024