

June 12, 2024

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

Re: Closure Request BEU Connector PW Booster and Mobley Ranch Incident Numbers NAPP2213151424 and NAPP2316045229 Eddy County, New Mexico

To Whom It May Concern:

Ensolum, LLC (Ensolum), on behalf of XTO Energy, Inc. (XTO), has prepared this *Closure Request* to document excavation and soil sampling activities performed at the BEU Connector PW Booster and Mobley Ranch (Site). The purpose of excavation and soil sampling activities, conducted in accordance with an approved *Remediation Work Plan (Work Plan)* and and approved *Remediation Work Plan Update (Work Plan Update)*, was to address impacts to soil resulting from two releases of produced water at the Site. XTO is submitting this *Closure Request*, describing final excavation activities that have occurred and requesting no further remediation for Incident Numbers NAPP2213151424 and NAPP2316045229.

RELEASE SUMMARY AND BACKGROUND

The Site is located in Unit H, Section 22, Township 23 South, Range 30 East, in Eddy County, New Mexico (32.29070°, -103.86159°) and is associated with oil and gas exploration and production operations on state land managed by the New Mexico State Land Office (NMSLO). Please see the brief summary of events below. Additional details can be found in the *Work Plan* and *Work Plan Update*.

On April 27, 2022, approximately 296.34 barrels (bbls) of produced water released onto a pipeline rightof-way (ROW) and pasture area. No fluids were recovered. The release was assigned Incident Number NAPP2213151424. In August 2022, following approval by NMSLO of a Right of Entry (ROE) request, delineation of the Site was completed. A *Work Plan* was submitted on October 24, 2022 proposing excavation of impacted soil and requesting a soil sampling variance. The *Work Plan* was approved on February 28, 2023. Following approval of the *Work Plan*, XTO requested an Archaeological Records Management Section (ARMS) review to ensure compliance with the Cultural Properties Protection (CPP) Rule, published after submittal of the *Work Plan*. While access to the Site was pending approval, a second release occurred.

On May 27, 2023, approximately 9.04 bbls of produced water were released onto the pipeline ROW and pasture area, overlapping Incident Number NAPP2213151424. Approximately 2 bbls of produced water were recovered. The release was assigned Incident Number NAPP2316045229. The ARMS review was completed and confirmed the area had been previously surveyed and no cultural properties

were identified in the vicinity of the release and potential disturbance areas. An NMSLO Cultural Resources Cover Sheet documenting the results of the ARMS review was submitted to the Cultural Resources Office (CRO) on September 21, 2023.

In September and October 2023, Ensolum personnel conducted additional Site assessment, delineation and excavation activities and presented the results in a *Work Plan Update*. The *Work Plan Update* was submitted on October 25, 2023 proposing continued excavation of impacted soil and confirmation soil sampling in alignment with the previously approved October 24, 2022 *Work Plan*. The *Work Plan Update* was approved by NMOCD on March 12, 2024. The *Work Plan Update*, which includes a copy of the *Work Plan*, is included in Appendix A and can be found on the NMOCD web portal.

CLOSURE CRITERIA

The Site was characterized in the *Work Plan* to assess the applicability of Table I, Closure Criteria for Soils Impacted by Release of Title 19, Chapter 15, Part 29 (19.15.29) of the New Mexico Administrative Code (NMAC). Based on the results of the Site Characterization detailed in the approved *Work Plan*, the following Table I Closure Criteria (Closure Criteria) apply:

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

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

EXCAVATION AND SOIL SAMPLING ACTIVITIES

Ensolum personnel were onsite between October 18, 2023 and November 2, 2023 to excavate impacted soil according to the approved *Work Plan* and *Work Plan Update*. Excavation activities were performed by use of heavy equipment. To direct excavation activities, soil was field screened for volatile organic compounds (VOCs) utilizing a calibrated photoionization detector (PID) and chloride utilizing Hach[®] chloride QuanTab[®] test strips. Once field screening results indicated impacted soil was adequately removed, 5-point composite soil samples were collected every 500 square feet, following the approved sampling variance, from the floor and sidewall of the excavation extent. 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. Confirmation soil samples FS01 through FS56 were collected from the floor of the excavation at depths ranging from 2 feet to 3 feet bgs. Confirmation soil samples SW01 through SW20 were collected from the sidewalls of the excavation at depths ranging from the ground surface to 3 feet bgs. The confirmation soil sample locations were mapped utilizing a handheld Global Positioning System (GPS) unit and are depicted on Figure 1. Photographic documentation of the excavation activities and final excavation extent is provided in Appendix B.

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



following United States Environmental Protection Agency (EPA) Method 8021B; TPH- GRO, TPH- DRO, and TPH-oil range organics (ORO) following EPA Method 8015M/D; and chloride following EPA Method 300.0 or SM4500CI-B. Soil samples delivered to the laboratory the same day they are collected may not have equilibrated to the 6 degrees Celsius required for shipment and long-term storage but are considered by the laboratory to have been received in acceptable condition.

On October 12, 2023, Ensolum personnel returned to the Site to oversee the excavation of residual chloride-impacted soil located in the vicinity of confirmation floor soil sample FS15, collected at 2 feet bgs. Heavy equipment was utilized to complete the excavation to a total depth of 3 feet bgs. Following the removal of the soil, confirmation floor soil samples FS15A was collected at 3 feet bgs. The confirmation soil sample was collected, handled, and submitted for the same COCs as described above.

The final excavation extent measured approximately 27,750 square-feet. A total of approximately 4,000 cubic yards of impacted soil was removed during the excavation activies. The impacted soil was transported and disposed of at the R360 Landfill Disposal Facility in Hobbs, New Mexico. Upon completion of excavation activities and receipt of final laboratory analytical results, the excavation was backfilled with locally procured topsoil and the area was restored to its original condition. Following backfill activities, the disturbed area was graded and contoured to match the surrounding topography.

LABORATORY ANALYTICAL RESULTS

Laboratory analytical results for all final excavation floor and sidewall samples indicated all COC concentrations were compliant with the Closure Criteria and reclamation requirement. The laboratory analytical results are summarized in Table 1 and the complete laboratory analytical reports are included in Appendix C.

RECLAMATION PLAN

Upon completion of excavation activities and receipt of final laboratory analytical results, the excavation was backfilled with locally procured topsoil. One representative 5-point composite sample will be collected from the backfill material to confirm compliance with the NMOCD requirement for the reclaimed area to be non-waste containing, uncontaminated, earthen material with chloride concentrations less than 600 mg/kg and TPH concentrations less than 100 mg/kg. The representative backfill sample will be handled and analyzed following the same procedures as described above.

Following backfill activities, the disturbed area was contoured to match the surrounding topography and the surface was prepared for seeding. Upon confirmation that the excavation was backfilled with non-waste containing material, the disturbed pasture area will be seeded with a certified weed-free seed mix. The proposed NMSLO Sandy Site Seed Mixture, below, will be used to seed the Site at the rate specified in pounds of pure live seed (PLS) per acre. Seed species will include:

Grasses	PLS/Acre
Sand bluestem	2.0
Little bluestem	3.0
Black grama	1.0
Sand dropseed	4.0
Plains bristlegrass	2.0
Forbs	PLS/Acre
Firewheel (Gaillardia)	1.0
Annual Sunflower	1.0



Shrubs	PLS/Acre
Fourwing Saltbrush	1.0

The seed mix will be applied via drill seeding. Reclamation activities will be documented with photographs and will be timestamped with Global Positioning System (GPS) data.

The Site will be monitored for vegetation growth to ensure that reclamation activities were successful. Focus for this phase will be to prevent erosion and site degradation, and to monitor for and treat invasive and noxious weed species.

- Erosion control of the newly reclaimed areas includes prompt revegetation and contouring of the surface to prevent concentrated surface water flow.
- Annual inspections will take place at the location to assess revegetation progress until vegetation is consistent with local natural vegetation density.
- If necessary, an additional application of the seed mixture will be applied.
- Noxious and invasive weeds will be identified and treated by licensed contracted herbicide applicator or mechanically removed.

A *Revegetation Report* will be submitted to the NMOCD once vegetation growth in the reclaimed pasture area has uniform vegetative cover that reflects a life-form ratio of plus or minus fifty percent of predisturbance levels and a total percent plant cover of at least seventy percent of pre-disturbance levels, excluding noxious weeds, per NMAC 19.15.29.13 D.(3).

CLOSURE REQUEST

Excavation activities were conducted at the Site in accordance with the approved *Work Plan* and *Work Plan Update* to address the two produced water releases at the Site. Laboratory analytical results for all excavation soil samples indicate all COC concentrations were compliant with the Closure Criteria and reclamation requirement. Based on the soil sample laboratory analytical results, no further remediation is required. The excavation has been backfilled with material purchased locally and the Site has been recontoured to match pre-existing site conditions. Photographic documentation of the backfill is provided in Appendix B. NMOCD correspondence is included in Appendix D.

Excavation of soil has mitigated impacts exceeding the Closure Criteria and reclamation requirement at the Site. XTO believes these remedial actions are protective of human health, the environment, and groundwater. As such, XTO respectfully requests closure for Incident Numbers NAPP2213151424 and NAPP2316045229.



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

Sincerely, Ensolum, LLC

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David A. McInnis Project Geologist

Ashley L. ager

Ashley L. Ager, M.S., P.G. Principal

cc: Amy Ruth, XTO Amanda Garcia, XTO NMSLO

Appendices:

- Figure 1 Excavation Soil Sample Locations
- Table 1Soil Sample Analytical Results
- Appendix A October 25, 2023, Work Plan Update
- Appendix B Photographic Log
- Appendix C Laboratory Analytical Reports & Chain-of-Custody Documentation
- Appendix D NMOCD Correspondence





FIGURES

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TABLES

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TABLE 1 SOIL SAMPLE ANALYTICAL RESULTS BEU Connector PW Booster and Mobley Ranch XTO Energy, Inc. Eddy County, New Mexico										
Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I C	losure Criteria (NMAC 19.15.29)	10	50	NE	NE	NE	1,000	2,500	20,000
		1		Conf	irmation Floor Sa	amples				
FS01	10/18/2023	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
FS02	10/18/2023	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
FS03	10/18/2023	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128
FS04	10/18/2023	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	416
FS05	10/18/2023	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
FS06	10/18/2023	2.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112
FS07	10/18/2023	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
FS08	10/19/2023	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
FS09	10/19/2023	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
FS10	10/19/2023	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
FS11	10/19/2023	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	176
FS12	10/20/2023	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
FS13	10/20/2023	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	176
FS14	10/20/2023	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112
FS15	10/20/2023	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	704
FS15A	10/23/2023	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0
FS16	10/20/2023	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128
FS17	10/20/2023	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	368
FS18	10/20/2023	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	336
FS19	10/20/2023	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
FS20	10/20/2023	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	192
FS21	10/23/2023	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128
FS22	10/23/2023	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144
FS23	10/23/2023	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0
FS24	10/23/2023	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
FS25	10/23/2023	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0

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Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I C	losure Criteria (NMAC 19.15.29)	10	50	NE	NE	NE	1,000	2,500	20,000
FS26	10/23/2023	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112
FS27	10/23/2023	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112
FS28	10/23/2023	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112
FS29	10/23/2023	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
FS30	10/24/2023	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112
FS31	10/24/2023	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
F\$32	10/24/2023	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0
FS33	10/25/2023	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160
FS34	10/25/2023	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
FS35	10/26/2023	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
FS36	10/26/2023	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
FS37	10/26/2023	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112
FS38	10/26/2023	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
FS39	10/26/2023	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
FS40	10/26/2023	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
FS41	10/30/2023	2	<0.00201	<0.00402	<49.6	<49.6	<49.6	<49.6	<49.6	148
FS42	10/30/2023	2	<0.00200	<0.00401	<50.3	<50.3	<50.3	<50.3	<50.3	142
FS43	10/30/2023	2	<0.00199	<0.00398	<50.2	<50.2	<50.2	<50.2	<50.2	565
FS44	10/31/2023	2	<0.00198	<0.00396	<49.8	<49.8	<49.8	<49.8	<49.8	402
FS45	11/02/2023	2	<0.00199	<0.00398	<50.5	<50.5	<50.5	<50.5	<50.5	180
FS46	11/02/2023	2	<0.00199	<0.00398	<49.7	<49.7	<49.7	<49.7	<49.7	235
FS47	11/02/2023	2	<0.00200	<0.00399	<49.6	<49.6	<49.6	<49.6	<49.6	256
FS48	11/02/2023	2	<0.00200	<0.00401	<49.9	<49.9	<49.9	<49.9	<49.9	251
FS49	11/02/2023	3	<0.00201	<0.00402	<50.2	<50.2	<50.2	<50.2	<50.2	334
FS50	11/02/2023	3	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	157
FS51	11/02/2023	3	<0.00200	<0.00399	<50.4	<50.4	<50.4	<50.4	<50.4	215
FS52	11/02/2023	3	<0.00199	<0.00398	<49.6	<49.6	<49.6	<49.6	<49.6	247
FS53	11/02/2023	3	<0.00198	<0.00396	<49.9	<49.9	<49.9	<49.9	<49.9	255
FS54	11/02/2023	2	<0.00200	<0.00401	<49.9	<49.9	<49.9	<49.9	<49.9	273
FS55	11/02/2023	2	<0.00199	<0.00398	<50.2	<50.2	<50.2	<50.2	<50.2	310
FS56	11/02/2023	2	<0.00200	< 0.00399	<50.2	<50.2	<50.2	<50.2	<50.2	399

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	SOIL SAMPLE ANALYTICAL RESULTS BEU Connector PW Booster and Mobley Ranch XTO Energy, Inc. Eddy County, New Mexico									
Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I C	losure Criteria ((NMAC 19.15.29)	10	50	NE	NE	NE	1,000	2,500	20,000
				Confirma	ation Sidewall Sc	il Samples		•		• •
SW01	10/19/2023	0 - 2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	192
SW02	10/20/2023	0 - 3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	176
SW03	10/25/2023	0 - 3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
SW04	10/26/2023	0 - 3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
SW05	10/30/2023	0 - 2	<0.00202	<0.00403	<50.2	<50.2	<50.2	<50.2	<50.2	199
SW06	10/30/2023	0 - 2	<0.00200	<0.00399	<50.5	<50.5	<50.5	<50.5	<50.5	133
SW07	10/30/2023	0 - 2	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	<49.9	70.6
SW08	10/30/2023	0 - 2	<0.00202	<0.00404	<49.6	<49.6	<49.6	<49.6	<49.6	60.9
SW09	10/31/2023	0 - 2	<0.00198	<0.00397	<50.4	<50.4	<50.4	<50.4	<50.4	435
SW10	10/31/2023	0 - 2	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	<49.8	164
SW11	11/02/2023	0 - 2	<0.00200	<0.00399	<50.2	<50.2	<50.2	<50.2	<50.2	195
SW12	11/02/2023	0 - 2	<0.00200	<0.00401	<50.5	<50.5	<50.5	<50.5	<50.5	256
SW13	11/02/2023	0 - 2	<0.00199	<0.00398	<50.4	<50.4	<50.4	<50.4	<50.4	173
SW14	11/02/2023	0 - 2	<0.00198	<0.00396	<49.7	<49.7	<49.7	<49.7	<49.7	190
SW15	11/02/2023	0 - 2	<0.00200	<0.00399	<49.5	<49.5	<49.5	<49.5	<49.5	202
SW16	11/02/2023	0 - 2	<0.00200	<0.00401	<50.0	<50.0	<50.0	<50.0	<50.0	72.1
SW17	11/02/2023	0 - 2	<0.00199	<0.00398	<50.1	<50.1	<50.1	<50.1	<50.1	284
SW18	11/02/2023	0 - 2	<0.00200	<0.00401	<49.8	<49.8	<49.8	<49.8	<49.8	224
SW19	11/02/2023	0 - 2	<0.00199	<0.00398	<50.1	<50.1	<50.1	<50.1	<50.1	118
SW20	11/02/2023	0 - 2	<0.00200	<0.00399	<49.7	<49.7	<49.7	<49.7	<49.7	284

TABLE 1

Notes:

bgs: below ground surface

mg/kg: milligrams per kilogram

NMOCD: New Mexico Oil Conservation Division

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

Concentrations in bold exceed the NMOCD Table 1 Closure Criteria or reclamation standard where applicable.

GRO: Gasoline Range Organics

DRO: Diesel Range Organics ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

Samples in grey indicate soil sample was removed during excavation activites



APPENDIX A

October 25, 2023, Remediation Work Plan Update

Released to Imaging: 6/25/2024 8:06:17 AM

ENSOLUM

October 25, 2023

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

Re: Remediation Work Plan Update BEU Connector PW Booster and Mobley Ranch Incident Numbers NAPP2213151424 and NAPP2316045229 Eddy County, New Mexico

To Whom It May Concern:

Ensolum, LLC (Ensolum), on behalf of XTO Energy, Inc. (XTO), has prepared the following *Remediation Work Plan Update (Update)* to document assessment activities completed to date and provide an update on remedial actions to address impacted soil identified at the BEU Connector PW Booster (Site). In addition, this *Update* includes information on a recent release, the Mobley Ranch, which will be addressed concurrently and included as the "Site" for future discussions below.

RELEASE SUMMARY AND BACKGROUND

The Site is located in Unit H, Section 22, Township 23 South, Range 30 East, in Eddy County, New Mexico (32.29070°, -103.86159°) and is associated with oil and gas exploration and production operations on New Mexico State Trust Land (STL) managed by the New Mexico State Land Office (NMSLO).

On April 27, 2022, a flanged-end fitting separated from a hose and resulted in the release of 296.34 barrels (bbls) of produced water onto the pipeline right-of-way (ROW) and pasture area. No fluids were recovered. XTO immediately reported the release to the New Mexico Oil Conservation Division (NMOCD) via email on April 28, 2022, and submitted a Release Notification Form C-141 (Form C-141) on May 9, 2022. The release was assigned Incident Number NAPP2213151424.

In August 2022, following approval of a Right-of-Entry (ROE) request for land access from NMSLO, Ensolum personnel completed delineation of the release. The delineation soil sampling results indicated soil contained elevated chloride concentrations in a 30,000 square foot area. A *Remediation Work Plan* (*Work Plan*) was submitted on October 24, 2022, proposing excavation of impacted soil identified during delineation activities and requested a sampling variance. The *Work Plan* was approved by the NMOCD on February 28, 2023, with the following conditions:

- Samples must be analyzed for all constituents listed in Table I of 19.15.29.12 NMAC.
- Floor confirmation samples should be delineated/excavated to meet closure criteria standards for site assessment/characterization/proven depth to water determination.
- Sidewall samples should be delineated/excavated to 600 mg/kg for chlorides and 100 mg/kg for TPH to define the edge of the release.

XTO Energy, Inc. Remediation Work Plan Update BEU Connector PW Booster and Mobley Ranch

• The variance for confirmation samples every 500 is approved. All off pad areas must contain a minimum of 4 feet non-waste containing uncontaminated, earthen material with chloride concentrations less than 600 mg/kg and less than 100 mg/kg for TPH.

Following approval of the *Work Plan*, XTO requested ROE access from the NMSLO, as well as an Archaeological Records Management Section (ARMS) review to ensure compliance with the Cultural Properties Protection (CPP) Rule, published after submittal of the *Work Plan*. While access to the Site was pending approval, a second release occurred in the area, overlapping Incident Number NAPP2213151424.

On May 27, 2023, a gasket failed on pump discharge piping and resulted in the release of 9.04 barrels (bbls) of produced water onto the pipeline ROW and pasture area. Approximately 2 bbls of produced water were recovered. XTO reported the release to the NMOCD and submitted a Form C-141 on June 9, 2023. The release was assigned Incident Number nAPP2316045229. The release overlapped the release extent for Incident Number NAPP2213151424. XTO proposes to address both releases concurrently.

CLOSURE CRITERIA

The Site was characterized to assess the applicability of Table I, Closure Criteria for Soils Impacted by a Release, of Title 19, Chapter 15, Part 29 (19.15.29) of the New Mexico Administrative Code (NMAC). Results from the characterization desktop review are presented on page 3 of the Form C-141, Site Assessment/Characterization. Potential Site receptors are identified on Figure 1. Based on the results of the Site Characterization and approval by the NMOCD, the following NMOCD Table I Closure Criteria (Closure Criteria) apply:

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

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

SITE ACTIVITIES

The Mobley Ranch release was mapped using a handheld Global Positioning System (GPS) unit. Photographic documentation is provided in the Photographic log in Appendix A. The release extent is depicted on Figure 2. The ARMS review was completed and confirmed the area had been previously surveyed and no cultural properties were identified in the vicinity of the release and potential disturbance areas. An NMSLO Cultural Resources Cover Sheet documenting the results of the ARMS review was submitted to the Cultural Resource Office (CRO) of NMSLO on September 21, 2023. In addition, ongoing pipeline operations at the Site delayed the start of excavation; however, XTO recognizes the importance of remediating impacted soil at the Site and as such, pipeline construction work has been postponed in order to complete the excavation of impacted soil.



XTO Energy, Inc. Remediation Work Plan Update BEU Connector PW Booster and Mobley Ranch

Ensolum personnel returned to the Site on October 17, 2023, to begin excavation of impacted soil. Currently, impacted soil has been excavated with the use of a track hoe and transport vehicles. Due to the extent of underground flowlines within the release extent, a hydrovac has been utilized to identify subsurface lines to prevent another environmental release, which has extended the excavation timeline. An area of approximately 16,200 square feet has been excavated at the time of this report, which includes the proper removal and disposal of approximately 1,000 cubic yards of soil. Photographic documentation of the excavation has been conducted and a Photographic Log is in Appendix A.

PROPOSED REMEDIATION WORK PLAN

XTO proposes to continue excavation to remove impacted soil identified at the Site. XTO proposes to address Incident Numbers NAPP2213151424 and NAPP2316045229 by completing the following approved remediation activities:

- Excavation of chloride impacted soil. The proposed excavation extent is depicted on Figure 2.
- Collect confirmation samples at the approved sampling frequency of one 5-point composite soil sample every 500 square feet along the excavation floor and sidewalls.
- A total estimated 1,500 cubic yards of chloride impacted soil will be excavated (1,000 cubic yards have been removed to-date). The excavated soil will be transported to a New Mexico approved landfill facility for disposal.
- The excavation will be backfilled and recontoured to match pre-existing conditions and re-seeded with the recommended seed mixture as discussed below.

PROPOSED SCHEDULE

XTO will continue the excavation and confirmation soil sampling activities and will submit a *Closure Request* within 30 days following the receipt of final laboratory analytical results. If you have any questions or comments, please contact Ms. Tacoma Morrissey at (337) 257-8307 or tmorrissey@ensolum.com.

Sincerely, Ensolum, LLC

Mouissey

Tacoma Morrissey, MS Senior Geologist

Daniel R. Moir. PG

Senior Managing Geologist

cc: Garrett Green, XTO Tommee Lambert, XTO New Mexico State Land Office

Appendices:

Figure 1Site Location MapFigure 2Proposed Excavation Extent



XTO Energy, Inc. Remediation Work Plan Update BEU Connector PW Booster and Mobley Ranch

Appendix APhotographic LogAppendix BNMOCD Notifications/CorrespondenceAppendix CRemediation Work Plan October 24, 2022Appendix DProposed Reclamation Plan





FIGURES

Received by OCD: 6/13/2024 4:28:20 PM

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APPENDIX A

Photographic Log





APPENDIX B

NMOCD Notifications

Released to Imaging: 6/25/2024 8:06:17 AM

From:	Collins, Melanie
To:	Tacoma Morrissey; Ashley Ager
Cc:	Green, Garrett J; DelawareSpills /SM
Subject:	FW: The Oil Conservation Division (OCD) has approved the application, Application ID: 153127
Date:	Tuesday, February 28, 2023 12:19:07 PM
Attachments:	image001.png

[**EXTERNAL EMAIL**]

Work Plan approval for BEU Connector PW Booster, released 4/27/22.





Environmental Technician <u>melanie.collins@exxonmobil.com</u> 432-556-3756

From: OCDOnline@state.nm.us <OCDOnline@state.nm.us>
Sent: Tuesday, February 28, 2023 12:15 PM
To: Collins, Melanie <melanie.collins@exxonmobil.com>
Subject: The Oil Conservation Division (OCD) has approved the application, Application ID: 153127

External Email - Think Before You Click

To whom it may concern (c/o Melanie Collins for XTO ENERGY, INC),

The OCD has approved the submitted *Application for administrative approval of a release notification and corrective action* (C-141), for incident ID (n#) nAPP2213151424, with the following conditions:

The Remediation Plan is Conditionally Approved. Samples must be analyzed for all constituents listed in Table I of 19.15.29.12 NMAC. Floor confirmation samples should be delineated/excavated to meet closure criteria standards for site assessment/characterization/proven depth to water determination. Sidewall samples should be delineated/excavated to 600 mg/kg for chlorides and 100 mg/kg for TPH to define the edge of the release. The variance for confirmation samples every 500 ft2 is approved. All off pad areas must contain a minimum of 4 feet non-waste containing uncontaminated, earthen material with chloride concentrations less than 600 mg/kg and less than 100 mg/kg for TPH. The work will need to occur in 90 days after the work plan has been approved.

The signed C-141 can be found in the OCD Online: Imaging under the incident ID (n#).

If you have any questions regarding this application, please contact me.

From:	Collins, Melanie
То:	ocd.enviro (ocd.enviro@emnrd.nm.gov); Hamlet, Robert, EMNRD (Robert.Hamlet@emnrd.nm.gov); Bratcher,
	<u>Michael, EMNRD (mike.bratcher@emnrd.nm.gov); Harimon, Jocelyn, EMNRD (Jocelyn.Harimon@emnrd.nm.gov)</u>
Cc:	Tacoma Morrissey; Green, Garrett J; Ashley Ager; DelawareSpills /SM
Subject:	XTO - Extension Request - BEU Connector PW Booster - Incident Number NAPP2213151424
Date:	Friday, May 26, 2023 10:02:15 AM
Attachments:	image001.png

[**EXTERNAL EMAIL**]

All,

XTO is requesting an extension of the current deadline of May 29, 2023, for submitting a remediation work plan or closure report required in 19.15.29.12.B.(1) NMAC for the BEU Connector PW Booster (Incident Number NAPP2213151424). The release occurred on April 27, 2022, and fluids were released into a pipeline right-of-way (ROW). Initial site assessment and delineation sampling has been completed at the site. A work plan was submitted to the OCD on October 24, 2022 and approved by the NMOCD on February 28, 2023. A Right-of-Entry (ROE) permit must be executed and approved by the State Land Office (SLO) to access the ROW. In order to obtain the approved ROW, complete the remediation work and submit a closure report XTO requests a 90-day extension of this deadline until August 28, 2023.

Thank you,

Melaníe Collíns



Environmental Technician melanie.collins@exxonmobil.com 432-556-3756

From:	Wells, Shelly, EMNRD
To:	Collins, Melanie; Hamlet, Robert, EMNRD; Bratcher, Michael, EMNRD
Cc:	Green, Garrett J; Ben Belill; Tacoma Morrissey; Lambert, Tommee L; DelawareSpills /SM
Subject:	RE: [EXTERNAL] XTO - Sampling Notification (Week of 10/16/23 - 10/20/23)
Date:	Thursday, October 12, 2023 3:26:07 PM
Attachments:	image001.png

Some people who received this message don't often get email from shelly.wells@emnrd.nm.gov. <u>Learn why this is</u> <u>important</u>

[**EXTERNAL EMAIL**]

Hi Melanie,

The OCD has received your notification. Notification requirements are **two full business days**, per rule. When reporting sampling at multiple locations it is required to provide the anticipated start time for each location. 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<u>|Shelly.Wells@emnrd.nm.gov</u> http://www.emnrd.state.nm.us/OCD/

From: Collins, Melanie <melanie.collins@exxonmobil.com>
Sent: Thursday, October 12, 2023 2:14 PM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Cc: Green, Garrett J <garrett.green@exxonmobil.com>; bbelill@ensolum.com; Tacoma Morrissey
<tmorrissey@ensolum.com>; Lambert, Tommee L <tommee.l.lambert@exxonmobil.com>;
DelawareSpills /SM <DelawareSpills@exxonmobil.com>
Subject: [EXTERNAL] XTO - Sampling Notification (Week of 10/16/23 - 10/20/23)

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

All,

XTO plans to complete final sampling activities at the sites listed below for the week of October 16,

2023.

Monday – October 16, 2023

- BEU Connector PW Booster / nAPP2213151424
- Mobley Ranch Pipeline / nAPP2316045229
- PLU 18 TWR Sat Battery / nAPP2230551957

Tuesday - October 17, 2023

- BEU Connector PW Booster / nAPP2213151424
- Mobley Ranch Pipeline / nAPP2316045229

Wednesday - October 18, 2023

- BEU Connector PW Booster / nAPP2213151424
- Mobley Ranch Pipeline / nAPP2316045229

Thursday - October 19, 2023

- BEU Connector PW Booster / nAPP2213151424
- Mobley Ranch Pipeline / nAPP2316045229
- PLU 23 Dog Town Draw 154H / nAPP2316446382

Friday - October 20, 2023

- BEU Connector PW Booster / nAPP2213151424
- Mobley Ranch Pipeline / nAPP2316045229

Thank you,

Melaníe Collíns



Environmental Technician melanie.collins@exxonmobil.com 432-556-3756

From:	Wells, Shelly, EMNRD
To:	Collins, Melanie; Hamlet, Robert, EMNRD; Bratcher, Michael, EMNRD; Hall, Brittany, EMNRD
Cc:	<u>Green, Garrett J; Ben Belill; Lambert, Tommee L; DelawareSpills /SM; Tacoma Morrissey</u>
Subject:	RE: [EXTERNAL] XTO Sampling notifications Week of 10.23.23-10.27.23
Date:	Wednesday, October 18, 2023 4:58:27 PM
Attachments:	image001.png

Some people who received this message don't often get email from shelly.wells@emnrd.nm.gov. Learn why this is important

[**EXTERNAL EMAIL**]

Hi Melanie,

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<u>|Shelly.Wells@emnrd.nm.gov</u> http://www.emnrd.state.nm.us/OCD/

From: Collins, Melanie <melanie.collins@exxonmobil.com>

Sent: Wednesday, October 18, 2023 3:16 PM

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

Cc: Green, Garrett J <garrett.green@exxonmobil.com>; bbelill@ensolum.com; Lambert, Tommee L <tommee.l.lambert@exxonmobil.com>; DelawareSpills /SM <DelawareSpills@exxonmobil.com>; Tacoma Morrissey <tmorrissey@ensolum.com>

Subject: [EXTERNAL] XTO Sampling notifications Week of 10.23.23-10.27.23

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

Ok, Shelly, ask and you shall receive—haha! Let me know if you'd like them sent individually in the future, or if it is ok to send in bulk like this.

XTO plans to complete final sampling activities at the sites listed below for the week of October 23.2023 between 8 a.m. and 5 p.m. Please reach out with questions or concerns. Thank you!

•

Site Name	BEU Connector PW Booster
Location	H-22-23S-30E; Eddy County, NM
Incident ID	nAPP2213151424
Source & Description of Activities	Sampling
Expected Duration for Activities	5 Days (10.23.23-10.27.23)
Env Consultant	Ensolum
Contractor	Tex Mex
Sampling Notification Required	Yes
Surface Owner	SLO

Site Name	Mobley Ranch Pipeline
Location	H-22-23S-30E; Eddy County, NM
Incident ID	nAPP2316045229
Source & Description of Activities	Sampling
Expected Duration for Activities	5 Days (10.23.23-10.27.23)
Env Consultant	Ensolum
Contractor	Tex Mex
Sampling Notification Required	Yes
Surface Owner	SLO

Site Name	JRU 91 Flowline
Location	K-36-22S-30E; Eddy County, NM
Incident ID	NAB1515234386
Source & Description of Activities	Sampling
Expected Duration for Activities	1 Day 10.23.2023
Env Consultant	Ensolum
Contractor	NA
Sampling Notification Required	Yes
Surface Owner	SLO

	Site Name	Remuda 4-24-20
ſ		

•

Location	A-04-24S-30E; Eddy County, NM
Incident ID	nAPP2233351770
Source & Description of Activities	Sampling
Expected Duration for Activities	1 Day 10.23.2023
Env Consultant	Ensolum
Contractor	NA
Sampling Notification Required	Yes
Surface Owner	BLM

Site Name	PLU CVX JV BS 008H
Location	N-14-25S-30E; Eddy County, NM
Incident ID	nAB1602154960
Source & Description of Activities	Sampling
Expected Duration for Activities	1 Day 10.24.2023
Env Consultant	Ensolum
Contractor	Tex Mex
Sampling Notification Required	Yes
Surface Owner	BLM

Site Name	Poker Lake Unit 315H
Location	P-24-24S-30E; Eddy County, NM
Incident ID	nAPP2324233432
Source & Description of Activities	Sampling
Expected Duration for Activities	3 Days 10.25.23-10.27.23
Env Consultant	Ensolum
Contractor	Tex Mex
Sampling Notification Required	Yes
Surface Owner	BLM

Thank you,



From:	Hamlet, Robert, EMNRD
To:	Collins, Melanie Suzanne
Cc:	<u>Green, Garrett J; DelawareSpills /SM; Ben Belill; Ashley Ager; Tacoma Morrissey; Bratcher, Michael, EMNRD; Wells, Shelly, EMNRD; Velez, Nelson, EMNRD</u>
Subject:	Final Extension - XTO - BEU Connector PW Booster & Mobley Ranch Pipeline - Incident Numbers (nAPP2213151424 & nAPP2316045229)
Date:	Thursday, August 24, 2023 8:53:03 AM
Attachments:	image003.png

[**EXTERNAL EMAIL**]

RE: Incident #NAPP2213151424 & NAPP2316045229

Melanie,

Your request for an extension to **October 27th, 2023** is approved. This will be the **Final Extension** for this release. Please include this e-mail correspondence in the remediation 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: Wednesday, August 23, 2023 4:25 PM
To: Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>
Cc: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>
Subject: FW: [EXTERNAL] XTO - Extension Request - BEU Connector PW Booster & Mobley Ranch
Pipeline - Incident Numbers (nAPP2213151424 & nAPP2316045229)

From: Collins, Melanie <<u>melanie.collins@exxonmobil.com</u>>

Sent: Wednesday, August 23, 2023 3:02 PM

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

Cc: Green, Garrett J <<u>garrett.green@exxonmobil.com</u>>; DelawareSpills /SM

<<u>DelawareSpills@exxonmobil.com</u>>; <u>bbelill@ensolum.com</u>; Ashley Ager <<u>aager@ensolum.com</u>>; Tacoma Morrissey <<u>tmorrissey@ensolum.com</u>>

Subject: [EXTERNAL] XTO - Extension Request - BEU Connector PW Booster & Mobley Ranch Pipeline

- Incident Numbers (nAPP2213151424 & nAPP2316045229)

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

All,

XTO is requesting an extension of the current deadline of August 28, 2023, for submitting a remediation work plan or closure report required in 19.15.29.12.B.(1) NMAC for the BEU Connector PW Booster site (Incident Number nAPP2213151424) and an extension of the current deadline of August 25, 2023, for the Mobley Ranch pipeline release (Incident Number nAPP2316045229). The BEU Connector release occurred on April 27, 2022, and as a result, fluids were released into a pasture area off-pad. An initial site assessment and delineation sampling has been completed for this release. A Remediation Work Plan was submitted to the OCD on October 24, 2022, and approved by the division on February 28, 2023. The second release (Mobley Ranch Pipeline) occurred on May 27, 2023, and overlapped the BEU Connector PW Booster release. A Right-of-Entry (ROE) permit was approved by the State Land Office (SLO) for both releases on August 21, 2023, and an excavation has been scheduled with third-party contractors. In order to complete the excavation that now includes a second release, conduct confirmation sampling, review laboratory analytical data, and to submit a remediation work plan or closure report, XTO hereby requests a 60-day extension of the aforementioned deadlines to October 27, 2023.

Thank you,

Melaníe Collíns



Environmental Technician melanie.collins@exxonmobil.com 432-556-3756



APPENDIX C

Remediation Work Plan October 24, 2022

Released to Imaging: 6/25/2024 8:06:17 AM

ENSOLUM

October 24, 2022

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

Re: Remediation Work Plan BEU Connector PW Booster Incident Number NAPP2213151424 Eddy County, New Mexico

To Whom It May Concern:

Ensolum, LLC (Ensolum), on behalf of XTO Energy, Inc. (XTO), has prepared the following *Remediation Work Plan* to document the site assessment activities completed to date and propose a work plan to address impacted soil identified at the BEU Connector PW Booster (Site). The purpose of the site assessment activities was to delineate the lateral and vertical extent of impacted soil resulting from a release of produced water at the Site. The following Work Plan proposes to excavate impacted soil within the top 4 feet of the release extent.

SITE DESCRIPTION AND RELEASE SUMMARY

The Site is located in Unit H, Section 22, Township 23 South, Range 30 East, in Eddy County, New Mexico (32.29070° N, 103.86159° W) and is associated with oil and gas exploration and production operations on New Mexico State Land (SLO).

On April 27, 2022, a flanged-end fitting separated from a hose and resulted in the release of 296.34 barrels (bbls) of produced water onto the pipeline right-of-way (ROW) and pasture area. No fluids were recovered. XTO immediately reported the release to the NMOCD via email on April 28, 2022 and submitted a Release Notification Form C-141 on May 9, 2022. The release was assigned Incident Number NAPP2213151424.

SITE CHARACTERIZATION AND CLOSURE CRITERIA

The Site was characterized to assess the applicability of Table I, Closure Criteria for Soils Impacted by a Release, of Title 19, Chapter 15, Part 29 (19.15.29) of the New Mexico Administrative Code (NMAC). Results from the characterization desktop review are presented on page 3 of the Form C-141, Site Assessment/Characterization. Potential site receptors are identified on Figure 1.

Depth to groundwater at the Site is greater than 100 feet below ground surface (bgs) based on the nearest groundwater well data. On October 26, 2021, soil boring (C-4567) was advanced to a depth of 101 feet bgs utilizing a hollow stem auger rig. The location of the borehole is approximately 0.48 miles southwest of the release and is depicted on Figure 1. The well log recorded the boring as a dry hole. The Well Record and Log is included in Appendix A.

The closest continuously flowing or significant watercourse to the Site is an emergent wetland, located approximately 5,613 feet southwest of the Site. The Site is greater than 200 feet from a lakebed,

XTO Energy, Inc. Remediation Work Plan BEU Connector PW Booster

sinkhole, or playa lake and greater than 300 feet from an occupied residence, school, hospital, institution, church, or wetland. The Site is greater than 1,000 feet to a freshwater well or spring and is not within a 100-year floodplain or overlying a subsurface mine. The Site is not underlain by unstable geology (medium potential karst designation area).

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

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

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

SITE ASSESSMENT AND DELINEATION ACTIVITIES

On June 6, 2022 Ensolum personnel conducted a Site visit to evaluate the release extent based on information provided on the Form C-141 and visual observations. Ensolum personnel collected nine soil samples (SS01 through SS09) within the release extent from a depth of 0.5 feet bgs to assess the extent of impacted soil. The soil samples were field screened for volatile organic compounds (VOCs) utilizing a calibrated photoionization detector (PID) and chloride using 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.

The soil samples were placed directly into pre-cleaned glass jars, labeled with the location, date, time, sampler name, method of analysis, and immediately placed on ice. The soil samples were transported at or below 4 degrees Celsius (°C) under strict chain-of-custody procedures to Eurofins Laboratories (Eurofins) in Carlsbad, New Mexico, for analysis of BTEX following United States Environmental Protection Agency (EPA) Method 8021B; TPH-GRO, TPH-DRO, and TPH-oil range organics (ORO) following EPA Method 8015M/D; and chloride following EPA Method 300.0

XTO submitted a Right-of-Entry request for land access on the SLO land. Following approval of the request, delineation activities were conducted at the Site to assess the lateral and vertical extent of impacted soil. On August 1, 2022, boreholes BH01 through BH09 were advanced via hand auger and hydrovacuum within the release extent. The boreholes were advanced to a maximum depth of 4 feet bgs. Discrete soil samples were collected from each pothole at depths ranging from 1-foot bgs to 4 feet bgs. Soil from the boreholes was field screened for VOCs and chloride. Field screening results and observations were logged on lithologic/soil sampling logs, which are included in Appendix B. The soil samples were handled and analyzed as described above. The soil sample locations are depicted on Figure 2. Photographic documentation was completed during the Site visits and a photographic log is included in Appendix C.

LABORATORY ANALYTICAL RESULTS



XTO Energy, Inc. Remediation Work Plan BEU Connector PW Booster

Laboratory analytical results for all soil samples collected indicated that Benzene, BTEX, and TPH concentrations were below the Site Closure Criteria. No hydrocarbon impacted soil was identified as a result of the release.

Laboratory analytical results for the delineation soil samples SS01/BH01 through SS06/BH06, and SS09/BH09 indicated that chloride concentrations exceeded the Closure Criteria at depths ranging from 0.5 feet to 1-foot bgs. The terminal depth sample from each borehole, collected at 4 feet bgs, was compliant with the Closure Criteria and reclamation requirement and successfully defined the vertical extent of impacted soil. Laboratory Analytical Reports & Chain-of-Custody Documentation are presented in Appendix D. NMOCD notifications are presented in Appendix E.

PROPOSED REMEDIATION WORK PLAN

The delineation soil sampling results indicate soil containing elevated chloride concentrations exists across an approximate 30,000 square foot area and extends to depths ranging from 0.5 feet to 1-foot bgs. XTO proposes to complete the following remediation activities:

- Excavation of chloride impacted soil to a depth of 1-foot bgs. Excavation will proceed laterally
 until sidewall samples confirm chloride concentrations are compliant with the Closure Criteria in
 the top four feet. The proposed excavation extent is depicted on Figure 3.
- Due to the estimated size of the excavation, XTO requests a variance for frequency of excavation confirmation samples. XTO proposes five-point composite samples to be collected at a sampling frequency of 500 square feet along the excavation floor and sidewalls. The proposed sampling frequency would reduce the total amount of samples from approximately 150 samples (200 square feet) to approximately 60 samples. In areas where the excavation is at 1-foot bgs or less, the sidewall will be incorporated into the floor sample aliquots. The soil samples will be handled as described above and analyzed for chloride. The soil samples will be analyzed for chloride only since benzene, BTEX, or TPH concentrations were not identified as a constituent of concern (COC) in the soil samples.
- An estimated 1,500 cubic yards of chloride impacted soil will be excavated. The excavated soil will be transferred a New Mexico approved landfill facility for disposal.
- The excavation will be backfilled and recontoured to match pre-existing conditions and re-seeded with the recommended BLM seed mixture.

XTO will complete the excavation and soil sampling activities within 90 days of the date of approval of this Work Plan by the NMOCD.

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

Sincerely, Ensolum, LLC

Monissey

Tacoma Morrissey, MS



Ashley L. ager

Ashley Ager, PG, MS

XTO Energy, Inc. Remediation Work Plan BEU Connector PW Booster

Senior Geologist

Program Director

cc: Garrett Green, XTO Shelby Pennington, XTO New Mexico State Land Office

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E N S O L U M

				BEU	TABLE 1 PLE ANALYTICA XTO Energy, Inc Connector PW B y County, New M	ooster				
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 1 C	Closure Criteria (NMAC 19.15.29)	10	50	NE	NE	NE	1,000	2,500	20,000
				Deli	ineation Soil San	nples			1	1
SS01	06/06/2022	0.5	<0.00202	<0.00403	<49.9	<49.9	<49.9	<49.9	<49.9	5,120
BH01	08/01/2022	1	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	<49.9	107
BH01	08/01/2022	4	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	<49.9	41.5
SS02	06/06/2022	0.5	<0.00200	<0.00401	<49.9	54.1	<49.9	54.1	54.1	4,270
BH02	08/01/2022	1	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	1,770
BH02	08/01/2022	4	<0.00202	<0.00403	<49.8	<49.8	<49.8	<49.8	<49.8	530
SS03	06/06/2022	0.5	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	<50.0	6,140
BH03	08/01/2022	2	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	<50.0	518
BH03	08/01/2022	4	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	<50.0	17.6
SS04	06/06/2022	0.5	<0.00200	<0.00400	<50.0	<50.0	<50.0	<50.0	<50.0	7,100
BH04	08/01/2022	1	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	<50.0	1,570
BH04	08/01/2022	4	<0.00200	<0.00399	<49.8	<49.8	<49.8	<49.8	<49.8	25.6
SS05	06/06/2022	0.5	<0.00200	<0.00401	<49.9	<49.9	<49.9	<49.9	<49.9	5,020
BH05	08/01/2022	1	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	<49.9	4,300
BH05	08/01/2022	4	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	<49.9	18.2
SS06	06/06/2022	0.5	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	<49.9	6,310
BH06	08/01/2022	1	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	<50.0	34.5
BH06	08/01/2022	4	<0.00200	<0.00401	<50.0	<50.0	<50.0	<50.0	<50.0	17.9
SS07	06/06/2022	0.5	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	17.3
BH07	08/01/2022	1	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	<50.0	11.9
BH07	08/01/2022	4	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	<49.9	30.7
SS08	06/06/2022	0.5	<0.00198	<0.00397	<50.0	<50.0	<50.0	<50.0	<50.0	16.2
BH08	08/01/2022	1	<0.00198	<0.00396	<50.0	<50.0	<50.0	<50.0	<50.0	6.59
BH08	08/01/2022	4	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	<49.9	10.9

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E N S O L U M

	TABLE 1 SOIL SAMPLE ANALYTICAL RESULTS XTO Energy, Inc. BEU Connector PW Booster 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 1 C	losure Criteria (l	NMAC 19.15.29)	10	50	NE	NE	NE	1,000	2,500	20,000			
SS09	06/06/2022	0.5	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	<50.0	3,970			
BH09	08/01/2022	1	<0.00202	<0.00403	<50.0	<50.0	<50.0	<50.0	<50.0	3,250			
BH09	08/01/2022	4	<0.00200	<0.00399	<49.9	<49.9	<50.0	<49.9	<49.9	90.7			

Notes:

bgs: below ground surface

mg/kg: milligrams per kilogram NMOCD: New Mexico Oil Conservation Division

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes Concentrations in bold exceed the NMOCD Table 1 Closure Criteria or reclamation standard where applicable. GRO: Gasoline Range Organics DRO: Diesel Range Organics ORO: Oil Range Organics TPH: Total Petroleum Hydrocarbon

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APPENDIX A

Referenced Well Records



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

1. GENERAL AND WELL LOCA		n Company ILING ADDRESS ore Ave LATITUDE LONGITUDE	DEGREES MINUTE 32 17 103 52 O STREET ADDRESS AND CO	8.7 2.5	70 N	PHONE (OPTIC 575-622-112 CITY Roswell		state NM 88201	ZIP
- NW	WELL LOCATION (FROM GPS) ESCRIPTION REL W SW SE Sec	LATITUDE LONGITUDE LONGITUDE	32 17 103 52 0 STREET ADDRESS AND CO	8.7 2.5	70 N	Roswell			ZIP
- NW	LOCATION (FROM GPS) DESCRIPTION REL W SW SE Sec	LATITUDE LONGITUDE ATING WELL LOCATION 1	32 17 103 52 0 STREET ADDRESS AND CO	8.7 2.5	70 N	* ACCURACY			
- NW	ESCRIPTION REL	ATING WELL LOCATION 1	O STREET ADDRESS AND CO				REQUIRED: ONE TENT	TH OF A SECOND	
LIC	CENSE NO.			MINON LANDAL		S (SECTION, TO	WNSHJIP, RANGE) WH	ERE AVAILABLE	
	1249	NAME OF LICENSE	D DRILLER Jackie D. A	tkins			NAME OF WELL DRI Atkins Eng	ILLING COMPANY ineering Associates, I	nc.
DR	RILLING STARTE 10/26/2021	D DRILLING ENDED 10/26/2021	DEPTH OF COMPLETED W temporary well m			le depth (ft) 101	DEPTH WATER FIRS	ST ENCOUNTERED (FT) n/a	
	OMPLETED WELL	LIS: ARTESIAN	DRY HOLE SI	HALLOW (UNCO	NFINED)		STATIC WATER LEV	VEL IN COMPLETED WE n/a	LL (FT)
DRI	RILLING FLUID:	AIR		DDITIVES - SPEC	CIFY:				
WN DR	RILLING METHO	D: ROTARY	HAMMER CA	ABLE TOOL	✓ OTHE	R - SPECIFY:	Hollo	w Stem Auger	
	DEPTH (feet b	ro BORE HOLE DIAM (inches)	CASING MATERIA GRADE (include each casing note sections of s	string, and	CONN	ASING NECTION TYPE	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
NG & CA	0 1	01 ±8.5	Boring- HS.		(add coup	ling diameter) 	-		-
2. DRILL									
=									
	DEPTH (feet b	. Dorth House		AR SEAL MA			AMOUNT	METHO	
ATERIAI	FROM 1	TO DIAM. (inches)	GRAVEL PACK	SIZE-RANGE	E BY INTE	RVAL	(cubic feet)	PLACEN	IENT
3. ANNULAR MATERIAL							OSE OIT NOV	1182021 ow1:0	à
3. A									

FILE NO. CHEN	POD NO.		TRN NO. 704185	5
LOCATION 235.300	2.22.431	WELL 1	TAG ID NO.	PAGE 1 OF 2

	DEPTH (f	eet bgl)	·	COLOR AN	D TYPE OF MATERIAL	ENCOUN	TERED -		VATE	R	ESTIMATED YIELD FOR
	FROM	то	THICKNESS (feet)	INCLUDE WATE	R-BEARING CAVITIES plemental sheets to fully	OR FRAC	TURE ZONES	BE	ES / 1	NG?	WATER- BEARING ZONES (gpm)
	0	19	19	Calic	he, with fine-grained sand	, White/ Ta	an	3	<u>,</u>	√N	
	19	54	35	Sand, Fi	ne-grained Poorly-graded,	Reddish B	Brown)		√ N	
	54	90	36	Clay, wit	th sand, fine-grained poor	y-graded,E	Brown)	1	√N	
	90	101 11 Caliche, with with sand, fine-grained poorly-graded, Tan								√ N	
								3	1	N	
1								3	7	N	
								3	7	N	
5								3	1	N	
3								3	1	N	
)	1	N	1
5								3	1	N	
4. HYDROGEOLOGIC LOG OF WELL								3	7	N	
D¥			-					3	(N	
HXH								3	1	N	
4								3	1	N	
								3	1	N	
								3	(N	
								3	1	N	
								1	1	N	
								3	7	N	
								3	1	N	
	METHOD U	SED TO E	STIMATE YIELD	OF WATER-BEARING	G STRATA:			TOTAL ES	TIM	ATED	1000
1	PUM		AIR LIFT	BAILER OT	HER - SPECIFY:			WELL YII	ELD	(gpm):	0.00
NOIC	WELL TES				A COLLECTED DURIN HOWING DISCHARGE A						
I ESI; KIG SUPEKVIS	MISCELLA	NEOUS IN	FORMATION: Te fea	emporary well materia et below ground surfa	als removed and the soi ace, then hydrated bento	l boring b mite chips	ackfilled usir s from ten fee	g drill cutti t below gro	ngs f	from to surface	tal depth to ter to surface.
T OT	PRINT NAM	E(S) OF D	RILL RIG SUPER	VISOR(S) THAT PRO	VIDED ONSITE SUPER	VISION O	F WELL CON	STRUCTION	N OT	HER TH	IAN LICENSE
			eron Pruitt, Came								1 RM1 (Q4)
SIGNALUKE	CORRECT I	RECORD	OF THE ABOVE D	ESCRIBED HOLE AN	EST OF HIS OR HER K ID THAT HE OR SHE W PLETION OF WELL DR	ILL FILE					
O. SIGN	Jack A	tkins		Ja	ckie D. Atkins			1	1/15/	2021	
		SIGNA	TURE OF DRILLE	R / PRINT SIGNEE	NAME				I	DATE	
	R OSE INTER	NAL USE					WR-20 WE	L RECORD	& L	OG (Ve	rsion 06/30/201
FO										1.0	
_	E NO.				POD NO.		TRN NO.				



APPENDIX B

Lithologic Soil Sampling Logs

		1		~				Sample Name: BH01	Date: 08/01/22
		E	N	S	OL	. U	M	Site Name: BEU Connector PW B	
					ngineeri			Incident Number: nAPP22131514	
					onsultan			Job Number: 03E1558045	
		LITHOL	OGI	c / soil s	SAMPLING	LOG		Logged By: Conner Shore	Method: HVAC/Auger
Coord	inates: 32	2.29070,	-103.8	86159				Hole Diameter: N/A	Total Depth: 4'
			-				Strips and	PID for chloride and vapor, respec	tively. Chloride test
perfor	med with	n 1:4 dilut	tion fa	actor of soi	l to distilled	water.			
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic De	
D	9,732	0.2	N	SS01	0.5'	L - -	SP-SM	0-1', SILTY SAND, dry, redd graded, fine grain, no sta	ish brown, poorly iin, no odor.
D	<168	0.0	Ν	BH01	1'	1' 	SP-S	1'-3', SANDSTONE, dry, red graded, fine grain, poorly no odor.	dish brown, poorly v consolidated, no stain
D	<168	0.0	Ν		2'	2'			
D	<168	0.0	Ν		3' _	3'	CCHE	3'-4', CALICHE, dry, tan-off consolidated, very silty, I	
D	<168	0.0	N	BH01	4' _	4'	TD	Total depth at 4' bgs.	
					-	-			
					-	-			
					-	-			
					-	-			
					-	- -			
					-	-			
					-	-			
I					-	-			
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				6				Sample Name: BH02	Date: 08/01/22
			N	>	OL	. U		Site Name: BEU Connector PW Bc	ooster
					ngineeri			Incident Number: nAPP22131514	24
		Hydro	geo	ologic C	onsultan	ts		Job Number: 03E1558045	
		LITHOL	OGI	C / SOIL S	SAMPLING	i LOG		Logged By: Conner Shore	Method: HVAC/Auger
	inates: 32							Hole Diameter: N/A	Total Depth: 4'
			-				Strips and	PID for chloride and vapor, respec	tively. Chloride test
perfor	med with	n 1:4 dilu	tion fa	actor of soi	l to distilled	water.	1	1	
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic De	
D	7,672	0.5	N	SS02	0.5' <u>-</u>	L - -	SP-SM	0-1', SILTY SAND, dry, reddi graded, fine grain, no sta	sh brown, poorly in, no odor.
Dry	2284	0.0	Ν	BH02	1' _	1'	SP-S	1'-4', SANDSTONE, dry, redugraded, fine grain, poorly no odor.	dish brown, poorly consolidated, no stain
Dry	240.8	0.0	Ν		2'	2'			
					-	-			
Dry	324.8	0.0	Ν		3'	3'			
					_				
Dry	532	0.0	Ν	BH02	4'	4'	TD	Total depth at 4' bgs.	
					-	-			
					-	-			
					-	-			
					-	-			
					-	-			
					-	-			
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					-	-			
						-			

		-		6				Sample Name: BH03	Date: 08/01/22
			N	5	OL	. U	Μ	Site Name: BEU Connector PW B	
		Enviro	onm	ental, E	ngineeri	ng and		Incident Number: nAPP22131514	124
		Hydro	geo	ologic C	onsultan	ts		Job Number: 03E1558045	
		LITHOL	OGI	C / SOIL S	SAMPLING	i LOG		Logged By: Conner Shore	Method: HVAC/Auger
Coord	inates: 32	2.29070,	-103.8	86159				Hole Diameter: N/A	Total Depth: 4'
			-		ith HACH Ch l to distilled		Strips and	PID for chloride and vapor, respe	ctively. Chloride test
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic De	
D	9,732	1.9	Ν	SS03	0.5'	L - -	SP-SM	0-1', SILTY SAND, dry, redd graded, fine grain, no sta	ish brown, poorly ain, no odor.
Dry	<168	0.0	Ν		1'	1' 	SP-S	1'-2', SANDSTONE, dry, rec graded, fine grain, poorl no odor.	ldish brown, poorly y consolidated, no stain
Dry	532.0	0.0	Ν	BH03	2' _	2'	CCHE	2'-4', CALICHE, dry, tan-off consolidated, very silty,	white, poorly no stain, no odor.
Dry	<168	0.0	N		3' _	3'			
Dry	<168	0.0	N	BH03	4'	4'	TD	Total depth at 4' bgs.	
					-	-			
					-	-			
					-	- -			
					-	-			
					-	-			
					-	- 			
					-	-			
					-	-			
					- -	-			
						-			
					-	- - -			
					-	-			

				6				Sample Name: BH04	Date: 08/01/22
			N	S	OL	. U	M	Site Name: BEU Connector PW Bo	
▋▌▐		Enviro	onm	ental, E	ngineeri	ng and		Incident Number: nAPP22131514	24
					onsultan			Job Number: 03E1558045	
		LITHOL	OGI	C / SOIL S	SAMPLING	LOG		Logged By: Conner Shore	Method: HVAC/Auger
Coord	inates: 32	2.29070,	-103.8	86159				Hole Diameter: N/A	Total Depth: 4'
			-				Strips and	PID for chloride and vapor, respec	tively. Chloride test
perfor	med with	n 1:4 dilut	ion fa	actor of soi	l to distilled	water.			
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic De	
D	8,299	1.1	N	SS04	0.5' _ 	L - -	SP-SM	0-1', SILTY SAND, dry, redd graded, fine grain, no sta	ish brown, poorly in, no odor.
Dry	1,864	0.0	Ν	BH04	1' _	1'	SP-S	1'-3', SANDSTONE, dry, red graded, fine grain, poorly no odor.	dish brown, poorly / consolidated, no stair
Dry	476.0	0.0	Ν		2'	2'			
Dry	<168	0.1	N		3' _	3'	CCHE	3'-4', CALICHE, dry, tan-off consolidated, very silty, ı	
Dry	<168	0.1	N	BH04	4'	4'	TD	Total depth at 4' bgs.	
					-	- 			
					- 1	_ - _			
					-	-			
					-	- -			
					-	-			
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		-		6				Sample Name: BH05	Date: 08/01/22
			N	5	OL	. U		Site Name: BEU Connector PW Bo	
					ngineeri			Incident Number: nAPP22131514	24
		Hydro	geo	ologic C	onsultan	ts		Job Number: 03E1558045	
		LITHOL	OGI	C / SOIL S	SAMPLING	i LOG		Logged By: Conner Shore	Method: HVAC/Auger
Coord	inates: 32	2.29070,	-103.8	86159				Hole Diameter: N/A	Total Depth: 4'
			-		ith HACH Ch l to distilled		Strips and	PID for chloride and vapor, respec	tively. Chloride test
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic De	
D	5,499	0.0	Ν	SS05	0.5'	L - -	SP-SM	0-1', SILTY SAND, dry, reddi graded, fine grain, no sta	ish brown, poorly in, no odor.
Dry	>3466	0.1	Ν	BH05	1'	1'	SP-S	1'-4', SANDSTONE, dry, red graded, fine grain, poorly no odor.	dish brown, poorly v consolidated, no stain
Dry	2111	0.5	N		2'	2'			
Dry	<168	0.5	N		3' _	- 3'			
Dry	<168	0.1	Ν	BH05	4'	4'	TD	Total depth at 4' bgs.	
					-	-			
					-	- - -			
					-	-			
					_	-			
					-	- - -			
					-	-			
					-	-			
					-	-			
					-	-			
					-	-			
					-	-			
						-			

		-		6				Sample Name: BH06	Date: 08/01/22
			N	S	OL	. U	Μ	Site Name: BEU Connector PW B	
		Enviro	onm	ental, E	ngineeri	ng and		Incident Number: nAPP2213151	124
					onsultan			Job Number: 03E1558045	
		LITHOL	OGI	C / SOIL S	SAMPLING	i LOG		Logged By: Conner Shore	Method: HVAC/Auger
Coord	inates: 32	2.29070,	-103.8	86159				Hole Diameter: N/A	Total Depth: 4'
							Strips and	PID for chloride and vapor, respe	ctively. Chloride test
perfor	med with	n 1:4 dilut	tion fa	actor of soi	l to distilled	water.			
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic De	
D	7,672	0.2	N	SS06	0.5' _ 	L - -	SP-SM	0-1', SILTY SAND, dry, redd graded, fine grain, no sta	lish brown, poorly ain, no odor.
Dry	<168	0.0	Ν	BH06	1'	1'	SP-S	1'-4', SANDSTONE, dry, rec graded, fine grain, poorl no odor.	ldish brown, poorly y consolidated, no stair
Dry	<168	0.1	Ν		2'	2'			
Dry	<168	0.1	Ν		3' _	3'			
Dry	<168	0.2	Ν	BH06	4'	4'	TD	Total depth at 4' bgs.	
					-	-			
					-	-			
						-			
					-	-			
					-	-			
					-	-			
					-	-			
					-	-			
						-			
					-	-			

		-		6				Sample Name: BH07	Date: 08/01/22
			N	S	OL	. U	M	Site Name: BEU Connector PW B	
		Enviro	onm	ental, E	ngineeri	ng and		Incident Number: nAPP22131514	124
					onsultan			Job Number: 03E1558045	
		LITHOL	OGI	C / SOIL S	SAMPLING	i LOG		Logged By: Conner Shore	Method: HVAC/Auger
Coord	inates: 32	2.29070,	-103.8	86159				Hole Diameter: N/A	Total Depth: 4'
					ith HACH Ch l to distilled		Strips and	PID for chloride and vapor, respec	ctively. Chloride test
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic De	
D	<168	0.2	Ν	SS07	0.5'	I - -	SP-SM	0-1', SILTY SAND, dry, redd graded, fine grain, no sta	ish brown, poorly ain, no odor.
Dry	<168	0.0	Ν	BH07	1'	1' 	SP-S	1'-4', SANDSTONE, dry, red graded, fine grain, poorly no odor.	ldish brown, poorly y consolidated, no stair
Dry	<168	0.5	Ν		2'	2'			
Dry	<168	0.1	N		3' _	3'			
Dry	<168	0.4	Ν	BH07	4'	4'	TD	Total depth at 4' bgs.	
					-	- - -			
					-	- - -			
					-	-			
						-			
					-	- -			
						-			
					-	-			
					-	- - -			
					-	-			
					-	-			

				6				Sample Name: BH08	Date: 08/01/22		
			N	S	OL	. U	Μ	Site Name: BEU Connector PW Bo			
		Enviro	onm	ental, E	ngineeri	ng and		Incident Number: nAPP22131514	24		
								Job Number: 03E1558045			
		LITHOL	OGI	C / SOIL S	SAMPLING	i LOG		Logged By: Conner Shore	Method: HVAC/Auger		
Coord	inates: 32	2.29070,	-103.8	86159				Hole Diameter: N/A	Total Depth: 4'		
					ith HACH Ch l to distilled		Strips and	PID for chloride and vapor, respec	tively. Chloride test		
perior		11.4 ana			r to distinct	water.					
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic De			
D	<168	0.0	Ν	SS08	0.5' _	L - -	SP-SM	0-1', SILTY SAND, dry, redd graded, fine grain, no sta	ish brown, poorly in, no odor.		
Dry	<168	0.1	Ν	BH08	1'	1' 	SP-S	1'-4', SANDSTONE, dry, red graded, fine grain, poorly no odor.	dish brown, poorly / consolidated, no stair		
Dry	<168	0.0	Ν		2'	2'					
					-	-					
Dry	<168	0.3	Ν		3' _	3'					
					-	-					
Dry	<168	0.1	Ν	BH08	4'	4'	TD	Total depth at 4' bgs.			
					_	-					
					_	-					
					_	-					
					_	_					
					-	-					
					-	-					
					-	-					
					-	-					
					-	-					
					-	-					
					-	-					
					_	-					
					_	-					
					_						
					_	-					
					-	-					

		-		6				Sample Name: BH09	Date: 08/01/22	
			N	S	OL	. U	Μ	Site Name: BEU Connector PW B		
		Enviro	onm	ental, E	ngineeri	ng and		Incident Number: nAPP22131514	124	
							Job Number: 03E1558045			
		LITHOL	OGI	C / SOIL S	SAMPLING	i LOG		Logged By: Conner Shore	Method: HVAC/Auger	
Coord	inates: 32	2.29070,	-103.8	86159				Hole Diameter: N/A	Total Depth: 4'	
			-				Strips and	PID for chloride and vapor, respec	ctively. Chloride test	
perfor	med with	n 1:4 dilut	tion fa	actor of soi	l to distilled	water.				
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic De		
D	4,799	0.1	N	SS09	0.5' _	L - -	SP-SM	0-1', SILTY SAND, dry, redd graded, fine grain, no sta	ish brown, poorly iin, no odor.	
Dry	3,225	0.2	Ν	BH09	1'	1'	SP-S	1'-4', SANDSTONE, dry, red graded, fine grain, poorly no odor.	dish brown, poorly v consolidated, no stair	
Dry	1,002	0.1	Ν		2'	2'				
Dry	<168	0.1	N		3'	- 3'				
					-	-				
Dry	<168	0.1	Ν	BH09	4'	4'	TD	Total depth at 4' bgs.		
					-	-				
					-	-				
					-	-				
					-	-				
					-	-				
					-	-				
					-	-				
					-	-				
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					-	-				
					-	-				
						-				



APPENDIX C

Photographic Log

Released to Imaging: 6/25/2024 8:06:17 AM





APPENDIX D

Laboratory Analytical Reports & Chain of Custody Documentation

Received by OCD: 6/13/2024 4:28:20 PM

🔅 eurofins

Environment Testing America

ANALYTICAL REPORT

Eurofins Carlsbad 1089 N Canal St. Carlsbad, NM 88220 Tel: (575)988-3199

Laboratory Job ID: 890-2704-1

Laboratory Sample Delivery Group: 03E1558045 Client Project/Site: BEU Connector PW Booster

For:

Ensolum 705 W. Wadley Suite 210 Midland, Texas 79701

Attn: Tacoma Morrissey

RAMER

Authorized for release by: 8/11/2022 7:08:33 PM Jessica Kramer, Project Manager (432)704-5440 Jessica.Kramer@et.eurofinsus.com

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.



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	Definitions/Glossary		
Client: Ensol	lum BEU Connector PW Booster	Job ID: 890-2704-1 SDG: 03E1558045	2
		308.0321338043	
Qualifiers			3
GC VOA			
Qualifier	Qualifier Description		
F1	MS and/or MSD recovery exceeds control limits.		_
F2	MS/MSD RPD exceeds control limits		5
S1+	Surrogate recovery exceeds control limits, high biased.		
U	Indicates the analyte was analyzed for but not detected.		
GC Semi VC	A		
Qualifier	Qualifier Description		
F1	MS and/or MSD recovery exceeds control limits.		_
S1-	Surrogate recovery exceeds control limits, low biased.		8
U	Indicates the analyte was analyzed for but not detected.		

HPLC/IC

F1	MS and/or MSD recovery exceeds control limits.	
S1-	Surrogate recovery exceeds control limits, low biased.	8
U	Indicates the analyte was analyzed for but not detected.	0
HPLC/IC		9
Qualifier	Qualifier Description	
U	Indicates the analyte was analyzed for but not detected.	10
Glossary		
Abbreviation	These commonly used abbreviations may or may not be present in this report.	11
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis	40
%R	Percent Recovery	
CFL	Contains Free Liquid	10
CFU	Colony Forming Unit	13
CNF	Contains No Free Liquid	
DER	Duplicate Error Ratio (normalized absolute difference)	
Dil Fac	Dilution Factor	
DL	Detection Limit (DoD/DOE)	
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample	
DLC	Decision Level Concentration (Radiochemistry)	
EDL	Estimated Detection Limit (Dioxin)	
LOD	Limit of Detection (DoD/DOE)	
LOQ	Limit of Quantitation (DoD/DOE)	
MCL	EPA recommended "Maximum Contaminant Level"	
MDA	Minimum Detectable Activity (Radiochemistry)	
MDC	Minimum Detectable Concentration (Radiochemistry)	
MDL	Method Detection Limit	
ML	Minimum Level (Dioxin)	
MPN	Most Probable Number	
MQL	Method Quantitation Limit	
NC	Not Calculated	
ND	Not Detected at the reporting limit (or MDL or EDL if shown)	
NEG	Negative / Absent	
POS	Positive / Present	
PQL	Practical Quantitation Limit	
PRES	Presumptive	
QC	Quality Control	
RER	Relative Error Ratio (Radiochemistry)	
RL	Reporting Limit or Requested Limit (Radiochemistry)	
RPD	Relative Percent Difference, a measure of the relative difference between two points	
TEF	Toxicity Equivalent Factor (Dioxin)	
TEQ	Toxicity Equivalent Quotient (Dioxin)	

Job ID: 890-2704-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative 890-2704-1

Receipt

The samples were received on 8/2/2022 9:53 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 5.8°C

GC VOA

Method 8021B: Surrogate recovery for the following sample was outside control limits: BH01 (890-2704-2). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Surrogate recovery for the following sample was outside control limits: BH02 (890-2704-4). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-31731 and analytical batch 880-31678 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

Method 8021B: The matrix spike duplicate (MSD) recoveries for preparation batch 880-31767 and analytical batch 880-31850 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8021B: Surrogate recovery for the following samples were outside control limits: (CCV 880-31850/20), (CCV 880-31850/33), (LCS 880-31767/1-A) and (890-2704-A-1-I MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Surrogate recovery for the following sample was outside control limits: (LCSD 880-31767/2-A). Evidence of matrix interferences is not obvious.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC Semi VOA

Method 8015MOD_NM: Surrogate recovery was outside acceptance limits for the following matrix spike/matrix spike duplicate (MS/MSD) samples: (890-2704-A-1-C MS) and (890-2704-A-1-D MSD). The parent sample's surrogate recovery was within limits. The MS/MSD sample has been qualified and reported.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: BH02 (890-2704-3). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: BH02 (890-2704-4). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: BH04 (890-2704-7) and BH04 (890-2704-8). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: BH06 (890-2704-11). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: BH08 (890-2704-15). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: BH09 (890-2704-17) and BH09

Case Narrative

Job ID: 890-2704-1
SDG: 03E1558045

Job ID: 890-2704-1 (Continued)

Project/Site: BEU Connector PW Booster

Laboratory: Eurofins Carlsbad (Continued)

(890-2704-18). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-31470 and analytical batch 880-31531 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

HPLC/IC

Client: Ensolum

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Method: 8021B - Volatile Organic Compounds (GC)

Result Qualifier

<0.00199 U F1

<0.00199 U

RL

0.00199

0.00199

Unit

mg/Kg

mg/Kg

D

Prepared

08/08/22 13:00

08/08/22 13:00

Job ID: 890-2704-1 SDG: 03E1558045

Client Sample ID: BH01

Date Collected: 08/01/22 09:00 Date Received: 08/02/22 09:53

Sample Depth: 1'

Client: Ensolum

Analyte

Benzene

Toluene

Lab Sample ID: 890-2704-1

Analyzed

08/10/22 07:05

08/10/22 07:05

Matrix: Solid

Dil Fac

1

1

5

12 13

Ethylbenzene	<0.00199	U	0.00199	mg/Kg		08/08/22 13:00	08/10/22 07:05	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		08/08/22 13:00	08/10/22 07:05	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		08/08/22 13:00	08/10/22 07:05	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		08/08/22 13:00	08/10/22 07:05	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	129		70 - 130			08/08/22 13:00	08/10/22 07:05	1
1,4-Difluorobenzene (Surr)	79		70 - 130			08/08/22 13:00	08/10/22 07:05	1
- Method: Total BTEX - Total BTEX	Calculation							
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			08/09/22 15:47	1
- Method: 8015 NM - Diesel Range	Organics (DR	O) (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			08/08/22 11:58	1
- Method: 8015B NM - Diesel Rang	e Organics (D	RO) (GC)						
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		08/04/22 09:22	08/05/22 12:07	1
Diesel Range Organics (Over C10-C28)	<49.9	U F1	49.9	mg/Kg		08/04/22 09:22	08/05/22 12:07	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		08/04/22 09:22	08/05/22 12:07	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	72		70 - 130			08/04/22 09:22	08/05/22 12:07	1
o-Terphenyl	81		70 - 130			08/04/22 09:22	08/05/22 12:07	1
Method: 300.0 - Anions, Ion Chro	matography -	Soluble						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	107		4.98	mg/Kg			08/11/22 09:13	1
Client Sample ID: BH01						Lab Sar	nple ID: 890-	2704-2
Date Collected: 08/01/22 09:15							Matri	ix: Solid
Date Received: 08/02/22 09:53								
Sample Depth: 4'								
_ Method: 8021B - Volatile Organic	Compounds	(GC)						
A	Desult	0		1114	_	Durana	A construction of	D!!

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		08/08/22 10:46	08/09/22 10:47	1
Toluene	<0.00200	U	0.00200	mg/Kg		08/08/22 10:46	08/09/22 10:47	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		08/08/22 10:46	08/09/22 10:47	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		08/08/22 10:46	08/09/22 10:47	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		08/08/22 10:46	08/09/22 10:47	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		08/08/22 10:46	08/09/22 10:47	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	131	S1+	70 - 130			08/08/22 10:46	08/09/22 10:47	1

Eurofins Carlsbad

Method: Total BTEX - Total BTEX Calculation

Client Sample Results

Limits

70 - 130

RL

RL

49.9

RL

0.00399

Unit

Unit

Unit

mg/Kg

mg/Kg

Job ID: 890-2704-1 SDG: 03E1558045

Analyzed

08/09/22 10:47

Analyzed

08/09/22 15:47

Analyzed

08/08/22 11:58

Analvzed

Lab Sample ID: 890-2704-3

Matrix: Solid

Client Sample ID: BH01

Date Collected: 08/01/22 09:15 Date Received: 08/02/22 09:53

Sample Depth: 4'

1,4-Difluorobenzene (Surr)

Client: Ensolum

Surrogate

Analyte

Analyte

Total TPH

Total BTEX

Lab Sample ID: 890-2704-2

Prepared

08/08/22 10:46

Prepared

Prepared

Prepared

D

D

D

Matrix: Solid

Dil Fac

Dil Fac

Dil Fac

Dil Fac

1

5

	9
	3

Method: 8015B NM - Diesel F	Range Organics (DRO) (GC)
Analyte	Result Qualifier

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

%Recovery

<0.00399

<49.9 U

93

Result Qualifier

U

Result Qualifier

Qualifier

<49.9	U	49.9	mg/Kg	08/04/22 09:22	08/05/22 13:13	1
				00/01/22 00122	00/00/22 10110	•
. 10.0		40.0		00/04/00 00 00	00/05/00 40 40	
<49.9	U	49.9	mg/Kg	08/04/22 09:22	08/05/22 13:13	1
<49.9	U	49.9	mg/Kg	08/04/22 09:22	08/05/22 13:13	1
% Decovern	Qualifian	Lingita		Orenered	Analyzad	Dil Fac
%Recovery	Quaimer			Prepared	Analyzed	DirFac
71		70 - 130		08/04/22 09:22	08/05/22 13:13	1
85		70 - 130		08/04/22 09:22	08/05/22 13:13	1
	<49.9 %Recovery 71		<49.9 U 49.9 <u>%Recovery</u> Qualifier Limits 71 70 - 130	<49.9 U 49.9 mg/Kg <u>%Recovery</u> <u>Qualifier</u> <u>Limits</u> 71 70 - 130	<49.9 U 49.9 mg/Kg 08/04/22 09:22 %Recovery Qualifier Limits Prepared 71 70 - 130 08/04/22 09:22	<49.9 U 49.9 mg/Kg 08/04/22 09:22 08/05/22 13:13 %Recovery Qualifier Limits Prepared Analyzed 71 70 - 130 08/04/22 09:22 08/05/22 13:13

Method: 300.0 - Anions, Ion Chromatography - Soluble								
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	41.5		4.99	mg/Kg			08/11/22 09:22	1

Client Sample ID: BH02

Date Collected: 08/01/22 09:25 Date Received: 08/02/22 09:53 Sample Depth: 1'

Method: 8021B - Volatile Organic Compounds (GC) Analyte Result Qualifier RL Unit D Prepared Analyzed Dil Fac Benzene <0.00199 U 0.00199 mg/Kg 08/08/22 10:46 08/09/22 11:14 Toluene <0.00199 U 0.00199 08/08/22 10:46 08/09/22 11:14 mg/Kg 1 Ethylbenzene <0.00199 U 0.00199 mg/Kg 08/08/22 10:46 08/09/22 11:14 0.00398 08/09/22 11:14 m-Xylene & p-Xylene <0.00398 U 08/08/22 10:46 mg/Kg 1 o-Xylene <0.00199 U 0.00199 mg/Kg 08/08/22 10:46 08/09/22 11:14 Xylenes, Total <0.00398 U 0.00398 mg/Kg 08/08/22 10:46 08/09/22 11:14 1 %Recovery Qualifier Limits Dil Fac Surrogate Prepared Analvzed 70 - 130 08/08/22 10:46 4-Bromofluorobenzene (Surr) 127 08/09/22 11.14 1 1,4-Difluorobenzene (Surr) 86 70 - 130 08/08/22 10:46 08/09/22 11:14 1 Method: Total BTEX - Total BTEX Calculation Analvte RL D Dil Fac Result Qualifier Unit Prepared Analvzed Total BTEX <0.00398 Ū 0.00398 08/09/22 15:47 mg/Kg 1 Method: 8015 NM - Diesel Range Organics (DRO) (GC) Dil Fac Analyte Result Qualifier RL Unit D Prepared Analyzed <50.0 U Total TPH 50.0 mg/Kg 08/08/22 11:58 1

Eurofins Carlsbad

Released to Imaging: 6/25/2024 8:06:17 AM

Job ID: 890-2704-1 SDG: 03E1558045

Matrix: Solid

Lab Sample ID: 890-2704-3

Client Sample ID: BH02

Date Collected: 08/01/22 09 Date Received: 08/02/22 09

9:25			
9:53			

Sample Depth: 1'

Client: Ensolum

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0	mg/Kg		08/04/22 09:22	08/05/22 13:34	1
(GRO)-C6-C10								
Diesel Range Organics (Over	<50.0	U	50.0	mg/Kg		08/04/22 09:22	08/05/22 13:34	1
C10-C28)								
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		08/04/22 09:22	08/05/22 13:34	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	65	S1-	70 - 130			08/04/22 09:22	08/05/22 13:34	1
o-Terphenyl	76		70 - 130			08/04/22 09:22	08/05/22 13:34	1
Method: 300.0 - Anions, Ion Chro	matography -	Soluble						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1770		25.0	mg/Kg			08/11/22 09:31	5

Client Sample ID: BH02

Date Collected: 08/01/22 09:40

Date Received: 08/02/22 09:53 Sample Depth: 4'

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	mg/Kg		08/08/22 10:46	08/09/22 11:40	1
Toluene	<0.00202	U	0.00202	mg/Kg		08/08/22 10:46	08/09/22 11:40	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		08/08/22 10:46	08/09/22 11:40	1
m-Xylene & p-Xylene	<0.00403	U	0.00403	mg/Kg		08/08/22 10:46	08/09/22 11:40	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		08/08/22 10:46	08/09/22 11:40	1
Xylenes, Total	<0.00403	U	0.00403	mg/Kg		08/08/22 10:46	08/09/22 11:40	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	139	S1+	70 - 130			08/08/22 10:46	08/09/22 11:40	1
1,4-Difluorobenzene (Surr)	91		70 - 130			08/08/22 10:46	08/09/22 11:40	1
Method: Total BTEX - Total B	TEX Calculation							
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	< 0.00403	U	0.00403	mg/Kg			08/09/22 15:47	1

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	mg/Kg			08/08/22 11:58	1
Method: 8015B NM - Diesel Range	Organics (D	RO) (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	mg/Kg		08/04/22 09:22	08/05/22 13:56	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		08/04/22 09:22	08/05/22 13:56	1
Oll Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		08/04/22 09:22	08/05/22 13:56	1

Summanata	% Decessory	Qualifian	Limite	Overserved	Amolymod	
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	61	S1-	70 - 130	08/04/22 09:22	08/05/22 13:56	1
o-Terphenyl	70		70 _ 130	08/04/22 09:22	08/05/22 13:56	1

Eurofins Carlsbad

		Clien	it Sample Re	sults				
Client: Ensolum							Job ID: 890	-2704-1
Project/Site: BEU Connector PW E	Booster						SDG: 03E1	558045
Client Sample ID: BH02						Lab Sar	nple ID: 890-	2704-4
Date Collected: 08/01/22 09:40								ix: Solid
Date Received: 08/02/22 09:53								
Sample Depth: 4'								
Method: 300.0 - Anions, Ion Chi Analyte		Soluble Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	530		4.95	mg/Kg			08/11/22 09:40	1
- Oliant Comple ID: DU02						Lab Car		0704 5
Client Sample ID: BH03						Lab Sar	nple ID: 890-	
Date Collected: 08/01/22 10:15							Matri	ix: Solid
Date Received: 08/02/22 09:53								
Sample Depth: 2'								
Method: 8021B - Volatile Organ	ic Compounds	(GC)						
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		08/08/22 10:46	08/09/22 12:06	1
Toluene	<0.00200	U	0.00200	mg/Kg		08/08/22 10:46	08/09/22 12:06	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		08/08/22 10:46	08/09/22 12:06	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		08/08/22 10:46	08/09/22 12:06	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		08/08/22 10:46	08/09/22 12:06	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		08/08/22 10:46	08/09/22 12:06	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	130		70 - 130			08/08/22 10:46	08/09/22 12:06	1
1,4-Difluorobenzene (Surr)	84		70 - 130			08/08/22 10:46	08/09/22 12:06	1
Method: Total BTEX - Total BTE	X Calculation							
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg		·	08/09/22 15:47	1
_ 								
Method: 8015 NM - Diesel Rang		O) (GC) Qualifier	RL	Unit	D	Branarad	Analyzad	Dil Fac
Analyte Total TPH			50.0 KL	mg/Kg	<u></u>	Prepared	Analyzed 08/08/22 11:58	1
	<50.0	0	50.0	ilig/Kg			08/08/22 11.38	
Method: 8015B NM - Diesel Ran	nge Organics (D	RO) (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0	mg/Kg		08/04/22 09:22	08/05/22 14:18	1
(GRO)-C6-C10								
Diesel Range Organics (Over	<50.0	U	50.0	mg/Kg		08/04/22 09:22	08/05/22 14:18	1
C10-C28) Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		08/04/22 09:22	08/05/22 14:18	1
				5.5			-	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	86		70 - 130			08/04/22 09:22	08/05/22 14:18	1
o-Terphenyl	101		70 - 130			08/04/22 09:22	08/05/22 14:18	1
Method: 300.0 - Anions, Ion Chi	romatography -	Soluble						
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
			·					

 Analyte
 Result
 Qualifier
 RL
 Unit
 D
 Prepared
 Analyzed

 Chloride
 518
 4.97
 mg/Kg
 08/11/22 10:08
 08/11/22 10:08

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Method: 8021B - Volatile Organic Compounds (GC)

Result Qualifier

<0.00201 U

<0.00201 U

<0.00201 U

<0.00402 U

<0.00201 U

<0.00402 U

RL

0.00201

0.00201

0.00201

0.00402

0.00201

0.00402

Unit

mg/Kg

mg/Kg

mg/Kg

mg/Kg

mg/Kg

mg/Kg

D

Prepared

08/08/22 10:46

08/08/22 10:46

08/08/22 10:46

08/08/22 10:46

08/08/22 10:46

08/08/22 10:46

Job ID: 890-2704-1 SDG: 03E1558045

Client Sample ID: BH03

Date Collected: 08/01/22 10:25 Date Received: 08/02/22 09:53

Sample Depth: 4'

Client: Ensolum

Analyte

Benzene

Toluene

o-Xylene

Ethylbenzene

Xylenes, Total

m-Xylene & p-Xylene

Lab Sample ID: 890-2704-6

Analyzed

08/09/22 12:33

08/09/22 12:33

08/09/22 12:33

08/09/22 12:33

08/09/22 12:33

08/09/22 12:33

Matrix: Solid

Dil Fac

1

1

1

Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac 4-Bromofluorobenzene (Surr) 125 70 - 130 08/08/22 10:46 08/09/22 12:33 70 - 130 08/08/22 10:46 1,4-Difluorobenzene (Surr) 92 08/09/22 12:33 1 Method: Total BTEX - Total BTEX Calculation Analyte Result Qualifier RL Unit D Prepared Analyzed Dil Fac Total BTEX <0.00402 U 0.00402 mg/Kg 08/09/22 15:47 Method: 8015 NM - Diesel Range Organics (DRO) (GC) Analyte Result Qualifier RL Unit D Prepared Analyzed Dil Fac Total TPH <50.0 U 50.0 08/08/22 11:58 mg/Kg Method: 8015B NM - Diesel Range Organics (DRO) (GC) Result Qualifier Analyte RL Unit D Dil Fac Prepared Analyzed Gasoline Range Organics <50.0 U 50.0 mg/Kg 08/04/22 09:22 08/05/22 14:40 (GRO)-C6-C10 Diesel Range Organics (Over <50.0 U 50.0 mg/Kg 08/04/22 09:22 08/05/22 14:40 C10-C28) Oll Range Organics (Over C28-C36) <50.0 U 50.0 08/04/22 09:22 08/05/22 14.40 mg/Kg 1 Limits Prepared Dil Fac %Recovery Qualifier Analyzed Surrogate 08/04/22 09:22 1-Chlorooctane 90 70 - 130 08/05/22 14:40 105 08/04/22 09:22 o-Terphenyl 70 - 130 08/05/22 14:40 1 Method: 300.0 - Anions, Ion Chromatography - Soluble Analyte Result Qualifier RL D Dil Fac Unit Prepared Analyzed Chloride 17.6 5.02 mg/Kg 08/11/22 10:17 1 **Client Sample ID: BH04** Lab Sample ID: 890-2704-7 Date Collected: 08/01/22 10:40 Matrix: Solid Date Received: 08/02/22 09:53 Sample Depth: 1' Method: 8021B - Volatile Organic Compounds (GC) Analyte **Result Qualifier** RL Unit D Prepared Analyzed Dil Fac Benzene 0 00201 <0.00201 U ma/Ka 08/08/22 10.46 08/09/22 12:59 1

4-Bromofluorobenzene (Surr)	128		70 - 130		08/08/22 10.46	08/09/22 12:59	1
Surrogate	%Recovery	Qualifier	Limits		Prepared	Analyzed	Dil Fac
Xylenes, Total	<0.00402	U	0.00402	mg/Kg	08/08/22 10:46	08/09/22 12:59	1
o-Xylene	<0.00201	U	0.00201	mg/Kg	08/08/22 10:46	08/09/22 12:59	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	mg/Kg	08/08/22 10:46	08/09/22 12:59	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg	08/08/22 10:46	08/09/22 12:59	1
Toluene	<0.00201	U	0.00201	mg/Kg	08/08/22 10:46	08/09/22 12:59	1
Denzene	40.00201	0	0.00201	iiig/itg	00/00/22 10.40	00/03/22 12:05	

romofluorobenzene (Surr)

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Client Sample Results

Client: Ensolum Project/Site: BEU Connector PW Booster

Client Sample ID: BH04

Date Collected: 08/01/22 10:40 Date Received: 08/02/22 09:53

Sample Depth: 1'

Method: 8021B - Volatile Org	ganic Compound	Is (GC)	(Continued)

Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	95		70 - 130			08/08/22 10:46	08/09/22 12:59	1
Method: Total BTEX - Total BTE	Calculation							
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			08/09/22 15:47	1
Method: 8015 NM - Diesel Range	Organics (DR	0) (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			08/08/22 11:58	1
- Method: 8015B NM - Diesel Rang	o Organica (D							
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0	mg/Kg		08/04/22 09:22	08/05/22 15:01	1
(GRO)-C6-C10								
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		08/04/22 09:22	08/05/22 15:01	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		08/04/22 09:22	08/05/22 15:01	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	69	S1-	70 - 130			08/04/22 09:22	08/05/22 15:01	1
o-Terphenyl	83		70 - 130			08/04/22 09:22	08/05/22 15:01	1
Method: 300.0 - Anions, Ion Chro	omatography -	Soluble						
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1570		25.3	mg/Kg			08/11/22 10:27	5

Client Sample ID: BH04

Date Collected: 08/01/22 10:55 Date Received: 08/02/22 09:53 Sample Depth: 4'

Method: 8021B - Volatile Organic Compounds (GC) Dil Fac Analyte Result Qualifier RL Unit D Prepared Analyzed Benzene <0.00200 U 0.00200 mg/Kg 08/08/22 13:11 08/11/22 03:28 Toluene <0.00200 U 0.00200 08/08/22 13:11 08/11/22 03:28 mg/Kg 1 Ethylbenzene <0.00200 U 0.00200 mg/Kg 08/08/22 13:11 08/11/22 03:28 0.00399 08/08/22 13:11 08/11/22 03:28 m-Xylene & p-Xylene <0.00399 U mg/Kg 1 o-Xylene <0.00200 U 0.00200 mg/Kg 08/08/22 13:11 08/11/22 03:28 1 Xylenes, Total <0.00399 U 0.00399 mg/Kg 08/08/22 13:11 08/11/22 03:28 1 %Recovery Qualifier Limits Dil Fac Surrogate Prepared Analvzed 99 70 - 130 08/08/22 13:11 4-Bromofluorobenzene (Surr) 08/11/22 03:28 1 1,4-Difluorobenzene (Surr) 98 70 - 130 08/08/22 13:11 08/11/22 03:28 1 Method: Total BTEX - Total BTEX Calculation Analyte **Result Qualifier** RL Unit D Dil Fac Prepared Analyzed Total BTEX <0.00399 U 0.00399 08/09/22 15:47 mg/Kg 1 Method: 8015 NM - Diesel Range Organics (DRO) (GC) Analyte Result Qualifier RL Unit D Prepared Analyzed Dil Fac Total TPH <49.8 U 49.8 mg/Kg 08/08/22 11:58 1

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Job ID: 890-2704-1 SDG: 03E1558045

Lab Sample ID: 890-2704-7

Lab Sample ID: 890-2704-8

Matrix: Solid

Matrix: Solid

5

Job ID: 890-2704-1 SDG: 03E1558045

Matrix: Solid

Lab Sample ID: 890-2704-8

Lab Sample ID: 890-2704-9

Client Sample ID: BH04 Date Collected: 08/01/22 10:55

Date	conecteu.	00/01/22	10.55
Date	Received:	08/02/22	09:53

Sample Depth: 4'

Client: Ensolum

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.8	U	49.8	mg/Kg		08/04/22 09:22	08/05/22 15:23	1
(GRO)-C6-C10								
Diesel Range Organics (Over	<49.8	U	49.8	mg/Kg		08/04/22 09:22	08/05/22 15:23	1
C10-C28)								
Oll Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		08/04/22 09:22	08/05/22 15:23	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	64	S1-	70 - 130			08/04/22 09:22	08/05/22 15:23	1
o-Terphenyl	75		70 - 130			08/04/22 09:22	08/05/22 15:23	1

08/11/22 10:36 Chloride 25.6 4.99 mg/Kg

Client Sample ID: BH05

Date Collected: 08/01/22 12:00 Date Received: 08/02/22 09:53

Sample Depth: 1'

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	< 0.00199	U	0.00199	mg/Kg		08/08/22 13:11	08/11/22 03:07	1
Toluene	<0.00199	U	0.00199	mg/Kg		08/08/22 13:11	08/11/22 03:07	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		08/08/22 13:11	08/11/22 03:07	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		08/08/22 13:11	08/11/22 03:07	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		08/08/22 13:11	08/11/22 03:07	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		08/08/22 13:11	08/11/22 03:07	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130			08/08/22 13:11	08/11/22 03:07	1
1,4-Difluorobenzene (Surr)	97		70 - 130			08/08/22 13:11	08/11/22 03:07	1
Method: Total BTEX - Total BTEX	Calculation							
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			08/09/22 15:47	1
Method: 8015 NM - Diesel Range	Organics (DR	O) (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			08/08/22 11:58	1
Method: 8015B NM - Diesel Rang	je Organics (D	RO) (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		08/04/22 09:22	08/05/22 15:45	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		08/04/22 09:22	08/05/22 15:45	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		08/04/22 09:22	08/05/22 15:45	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	77		70 - 130			08/04/22 09:22	08/05/22 15:45	1

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1

Matrix: Solid

		Clien	t Sample Re	sults				
Client: Ensolum							Job ID: 890	
Project/Site: BEU Connector PW I	Booster						SDG: 03E1	558045
Client Sample ID: BH05						Lab Sar	nple ID: 890-	2704-9
Date Collected: 08/01/22 12:00	Matrix: Se							
Date Received: 08/02/22 09:53								
Sample Depth: 1'								
Method: 300.0 - Anions, Ion Ch					_			
Analyte		Qualifier	RL 50.1	Unit	<u>D</u>	Prepared	Analyzed 08/11/22 10:45	Dil Fac
Chloride	4300		50.1	mg/Kg			06/11/22 10.45	I.
Client Sample ID: BH05						Lab Sam	ple ID: 890-2	704-10
Date Collected: 08/01/22 12:15							Matri	x: Solic
Date Received: 08/02/22 09:53								
Sample Depth: 4'								
- Mathadi 2021 R. Valatila Organ	ie Compounde /							
Method: 8021B - Volatile Organ Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	-	0.00199	mg/Kg		08/08/22 13:11	08/11/22 03:48	
Toluene	< 0.00199		0.00199	mg/Kg		08/08/22 13:11	08/11/22 03:48	
Ethylbenzene	<0.00199		0.00199	mg/Kg		08/08/22 13:11	08/11/22 03:48	
m-Xylene & p-Xylene	<0.00398		0.00398	mg/Kg		08/08/22 13:11	08/11/22 03:48	
o-Xylene	< 0.00199		0.00199	mg/Kg		08/08/22 13:11	08/11/22 03:48	
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		08/08/22 13:11	08/11/22 03:48	
0	% D	0	1 5 54			Durante	American	D# C-
Surrogate 4-Bromofluorobenzene (Surr)	%Recovery 	Qualifier	<u>Limits</u> 70 - 130			Prepared 08/08/22 13:11	Analyzed 08/11/22 03:48	Dil Fa
1,4-Difluorobenzene (Surr)	95 95		70 - 130 70 - 130			08/08/22 13:11	08/11/22 03:48	
	30		70 - 130			00/00/22 13.11	00/11/22 03.40	
Method: Total BTEX - Total BTE	EX Calculation							
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			08/09/22 15:47	
_ Method: 8015 NM - Diesel Rang	o Organice (DR							
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	11				· · · · · · · · · · · · · · · · · · ·	08/08/22 11:58	
—	\$49.9	U	49.9	mg/Kg			08/08/22 11:58	
_		-	49.9	mg/Kg			08/08/22 11:58	
_ Method: 8015B NM - Diesel Rar	nge Organics (D	RO) (GC)						
Analyte	nge Organics (D Result	RO) (GC) Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Analyte Gasoline Range Organics	nge Organics (D	RO) (GC) Qualifier			D	Prepared 08/04/22 09:22		
Analyte Gasoline Range Organics (GRO)-C6-C10	nge Organics (D Result <49.9	RO) (GC) Qualifier U	RL 49.9	Unit mg/Kg	D	08/04/22 09:22	Analyzed 08/05/22 16:07	Dil Fac
Analyte Gasoline Range Organics	nge Organics (D Result	RO) (GC) Qualifier U	RL	Unit	<u>D</u>		Analyzed	Dil Fac
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	nge Organics (D Result <49.9	RO) (GC) Qualifier U	RL 49.9	Unit mg/Kg	<u>D</u>	08/04/22 09:22	Analyzed 08/05/22 16:07	Dil Fac
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	nge Organics (D Result <49.9	RO) (GC) Qualifier U U	RL 49.9 49.9	Unit mg/Kg mg/Kg	D	08/04/22 09:22 08/04/22 09:22	Analyzed 08/05/22 16:07 08/05/22 16:07	Dil Fac
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	nge Organics (D Result <49.9 <49.9 <49.9	RO) (GC) Qualifier U U	RL 49.9 49.9 49.9	Unit mg/Kg mg/Kg	D	08/04/22 09:22 08/04/22 09:22 08/04/22 09:22	Analyzed 08/05/22 16:07 08/05/22 16:07 08/05/22 16:07	Dil Fac
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate	nge Organics (D Result <49.9 <49.9 <49.9 <49.9	RO) (GC) Qualifier U U	RL 49.9 49.9 49.9 Limits	Unit mg/Kg mg/Kg	<u>D</u>	08/04/22 09:22 08/04/22 09:22 08/04/22 09:22 Prepared	Analyzed 08/05/22 16:07 08/05/22 16:07 08/05/22 16:07 Analyzed	Dil Fac
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl	nge Organics (D Result <49.9 <49.9 <49.9 <49.9 %Recovery 73 87	RO) (GC) Qualifier U U Qualifier	RL 49.9 49.9 49.9 49.9 20.9 Limits 70 - 130	Unit mg/Kg mg/Kg	D	08/04/22 09:22 08/04/22 09:22 08/04/22 09:22 Prepared 08/04/22 09:22	Analyzed 08/05/22 16:07 08/05/22 16:07 08/05/22 16:07 Analyzed 08/05/22 16:07	Dil Fac
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorooctane	nge Organics (D Result <49.9 <49.9 <49.9 <49.9 %Recovery 73 87 romatography -	RO) (GC) Qualifier U U Qualifier	RL 49.9 49.9 49.9 49.9 20.9 Limits 70 - 130	Unit mg/Kg mg/Kg	D	08/04/22 09:22 08/04/22 09:22 08/04/22 09:22 Prepared 08/04/22 09:22	Analyzed 08/05/22 16:07 08/05/22 16:07 08/05/22 16:07 Analyzed 08/05/22 16:07	Dil Fac

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Job ID: 890-2704-1 SDG: 03E1558045

Client Sample ID: BH06

Date Collected: 08/01/22 12:20 Date Received: 08/02/22 09:53

Sample Depth: 1'

Client: Ensolum

SDG: 03E155804

Lab Sample ID: 890-2704-11

Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0.00201	U	0.00201	mg/Kg		08/08/22 13:11	08/11/22 04:09	
Toluene	<0.00201	U	0.00201	mg/Kg		08/08/22 13:11	08/11/22 04:09	
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		08/08/22 13:11	08/11/22 04:09	
m-Xylene & p-Xylene	<0.00402	U	0.00402	mg/Kg		08/08/22 13:11	08/11/22 04:09	
o-Xylene	<0.00201	U	0.00201	mg/Kg		08/08/22 13:11	08/11/22 04:09	
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		08/08/22 13:11	08/11/22 04:09	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil F
4-Bromofluorobenzene (Surr)	99		70 - 130			08/08/22 13:11	08/11/22 04:09	
1,4-Difluorobenzene (Surr)	99		70 - 130			08/08/22 13:11	08/11/22 04:09	
Method: Total BTEX - Total BTEX	Calculation							
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Total BTEX	<0.00402	U	0.00402	mg/Kg			08/09/22 15:47	
Method: 8015 NM - Diesel Range	Organics (DR	O) (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil F
Total TPH	<50.0	U	50.0	mg/Kg			08/08/22 11:58	
		Qualifier U	RL 50.0	<mark>Unit</mark> mg/Kg	D	Prepared 08/04/22 09:22	Analyzed 08/05/22 16:50	Dil F
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		08/04/22 09:22	08/05/22 16:50	
Diesel Range Organics (Over C10-C28)	<50.0		50.0	mg/Kg		08/04/22 09:22	08/05/22 16:50	
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		08/04/22 09:22	08/05/22 16:50	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil F
1-Chlorooctane	65	S1-	70 - 130			08/04/22 09:22	08/05/22 16:50	
o-Terphenyl	78		70 - 130			08/04/22 09:22	08/05/22 16:50	
Method: 300.0 - Anions, Ion Chro	omatography -	Soluble						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil F
Chloride	34.5		4.96	mg/Kg			08/11/22 11:22	
lient Sample ID: BH06						Lab Sam	ple ID: 890-2	704-1
ate Collected: 08/01/22 12:35							Matri	x: Sol
ate Received: 08/02/22 09:53								
ample Depth: 4'								
Method: 8021B - Volatile Organic	Compounds	(GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil F
Benzene	<0.00200	U	0.00200	mg/Kg		08/08/22 13:11	08/11/22 04:29	

4-Bromofluorobenzene (Surr)	103		70 - 130		08/08/22 13:11	08/11/22 04:29	1
Surrogate	%Recovery Q	ualifier	Limits		Prepared	Analyzed	Dil Fac
Xylenes, Total	<0.00401 U		0.00401	mg/Kg	08/08/22 13:11	08/11/22 04:29	1
o-Xylene	<0.00200 U		0.00200	mg/Kg	08/08/22 13:11	08/11/22 04:29	1
m-Xylene & p-Xylene	<0.00401 U		0.00401	mg/Kg	08/08/22 13:11	08/11/22 04:29	1
Ethylbenzene	<0.00200 U		0.00200	mg/Kg	08/08/22 13:11	08/11/22 04:29	1
Toluene	<0.00200 U		0.00200	mg/Kg	08/08/22 13:11	08/11/22 04:29	1
Delizelle	<0.00200 0		0.00200	ilig/Kg	00/00/22 13.11	06/11/22 04.29	1

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Job ID: 890-2704-1 SDG: 03E1558045

Matrix: Solid

5

Lab Sample ID: 890-2704-12

Client Sample ID: BH06

Date Collected: 08/01/22 12:35 Date Received: 08/02/22 09:53

Sample Depth: 4'

Client: Ensolum

Method: 8021B - Volatile O	Irganic Compounds	(GC) (Continued)

Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	100		70 - 130			08/08/22 13:11	08/11/22 04:29	1
Method: Total BTEX - Total BTEX	Calculation							
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401	mg/Kg			08/09/22 15:47	1
Method: 8015 NM - Diesel Range	Organics (DR	0) (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			08/08/22 11:58	1
Method: 8015B NM - Diesel Rang	e Organics (D	RO) (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		08/04/22 09:22	08/05/22 17:11	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		08/04/22 09:22	08/05/22 17:11	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		08/04/22 09:22	08/05/22 17:11	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
1-Chlorooctane	73		70 - 130			08/04/22 09:22	08/05/22 17:11	
o-Terphenyl	89		70 - 130			08/04/22 09:22	08/05/22 17:11	1
Method: 300.0 - Anions, Ion Chro	omatography -	Soluble						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	17.9		4.95	mg/Kg			08/11/22 11:31	1

_				
Client	Sample	ID:	BH07	

Date Collected: 08/01/22 12:45 Date Received: 08/02/22 09:53 Sample Depth: 1'

Lab Sample ID: 890-2704-13

Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		08/08/22 13:11	08/11/22 04:49	1
Toluene	<0.00200	U	0.00200	mg/Kg		08/08/22 13:11	08/11/22 04:49	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		08/08/22 13:11	08/11/22 04:49	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		08/08/22 13:11	08/11/22 04:49	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		08/08/22 13:11	08/11/22 04:49	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		08/08/22 13:11	08/11/22 04:49	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130			08/08/22 13:11	08/11/22 04:49	1
1,4-Difluorobenzene (Surr)	98		70 - 130			08/08/22 13:11	08/11/22 04:49	1
Method: Total BTEX - Total BT	EX Calculation							
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			08/09/22 15:47	1
Method: 8015 NM - Diesel Rar	ige Organics (DR	O) (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac

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Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Method: 300.0 - Anions, Ion Chromatography - Soluble

Result Qualifier

<50.0 U

<50.0 U

<50.0 U

%Recovery Qualifier

83

91

11.9

Result Qualifier

RL

50.0

50.0

50.0

RL

4.95

Limits

70 - 130

70 - 130

Unit

mg/Kg

mg/Kg

mg/Kg

Unit

mg/Kg

D

D

Prepared

08/04/22 09:22

08/04/22 09:22

08/04/22 09:22

Prepared

08/04/22 09:22

08/04/22 09:22

Prepared

Job ID: 890-2704-1 SDG: 03E1558045

Client Sample ID: BH07

Client: Ensolum

Sample Depth: 1'

Gasoline Range Organics

Diesel Range Organics (Over

Oll Range Organics (Over C28-C36)

Client Sample ID: BH07

Date Collected: 08/01/22 13:00

Date Received: 08/02/22 09:53

Analyte

C10-C28)

Surrogate 1-Chlorooctane

o-Terphenyl

Analyte

Chloride

(GRO)-C6-C10

Date Collected: 08/01/22 12:45 Date Received: 08/02/22 09:53

Lab Sample ID: 890-2704-13

Analyzed

08/05/22 17:33

08/05/22 17:33

08/05/22 17:33

Analyzed

08/05/22 17:33

08/05/22 17:33

Analyzed

08/11/22 11:59

Matrix: Solid

Dil Fac

1

1

1

1

Dil Fac

4 5 7 8 9 10 11

Lab Sample ID: 890-2704-14 Matrix: Solid

Dil Fac

14

-								
Method: 8021B - Volatile Organic Analyte		GC) Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199		0.00199	mg/Kg		08/08/22 13:11	08/11/22 05:10	
Toluene	< 0.00199	U	0.00199	mg/Kg		08/08/22 13:11	08/11/22 05:10	
Ethylbenzene	< 0.00199		0.00199	mg/Kg		08/08/22 13:11	08/11/22 05:10	
m-Xylene & p-Xylene	< 0.00398		0.00398	mg/Kg		08/08/22 13:11	08/11/22 05:10	
o-Xylene	< 0.00199		0.00199	mg/Kg		08/08/22 13:11	08/11/22 05:10	
Xylenes, Total	<0.00398		0.00398	mg/Kg		08/08/22 13:11	08/11/22 05:10	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)			70 - 130			08/08/22 13:11	08/11/22 05:10	
1,4-Difluorobenzene (Surr)	97		70 - 130			08/08/22 13:11	08/11/22 05:10	
Method: Total BTEX - Total BTEX	(Calculation							
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			08/09/22 15:47	
Method: 8015 NM - Diesel Range					_			
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			08/08/22 11:58	~
Method: 8015B NM - Diesel Rang	ge Organics (D	RO) (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		08/04/22 09:22	08/05/22 17:55	
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		08/04/22 09:22	08/05/22 17:55	
,	<49.9	U	49.9	mg/Kg		08/04/22 09:22	08/05/22 17:55	
Oil Range Organics (Over C28-C36)								
	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
Oll Range Organics (Over C28-C36) Surrogate 1-Chlorooctane	% Recovery 83	Qualifier	Limits 70 - 130			Prepared	Analyzed 08/05/22 17:55	Dil Fa

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Surrogate%RecoveryQualifierLimits1-Chlorooctane8370 - 130o-Terphenyl9370 - 130Page 16 of 49

Client: Ensolum

Client Sample Results

Job ID: 890-2704-1

lient Sample ID: BH07						Lab Sam	ple ID: 890-2	704-14
ate Collected: 08/01/22 13:00							-	x: Solid
ate Received: 08/02/22 09:53								
ample Depth: 4'								
Method: 300.0 - Anions, Ion Chro					_	_		
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	30.7		5.03	mg/Kg			08/11/22 12:08	1
lient Sample ID: BH08						Lab Sam	ple ID: 890-2	704-15
ate Collected: 08/01/22 14:00								x: Solid
Date Received: 08/02/22 09:53								
Sample Depth: 1'								
-								
Method: 8021B - Volatile Organic								
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198		0.00198	mg/Kg		08/08/22 13:11	08/11/22 05:30	1
Toluene	<0.00198		0.00198	mg/Kg		08/08/22 13:11	08/11/22 05:30	1
Ethylbenzene	<0.00198		0.00198	mg/Kg		08/08/22 13:11	08/11/22 05:30	1
m-Xylene & p-Xylene	<0.00396		0.00396	mg/Kg		08/08/22 13:11	08/11/22 05:30	1
o-Xylene	<0.00198		0.00198	mg/Kg		08/08/22 13:11	08/11/22 05:30	1
Xylenes, Total	<0.00396	U	0.00396	mg/Kg		08/08/22 13:11	08/11/22 05:30	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)		Quaimer	70 - 130			08/08/22 13:11	08/11/22 05:30	1
1,4-Difluorobenzene (Surr)	97		70 - 130 70 - 130			08/08/22 13:11	08/11/22 05:30	1
-	-					00,00,22	00	
Method: Total BTEX - Total BTEX	Calculation							
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396	mg/Kg			08/09/22 15:47	1
-								
_ Method: 8015 NM - Diesel Range				11-:4		Proposed	A al ad	
Method: 8015 NM - Diesel Range Analyte	Result	Qualifier		Unit	<u>D</u>	Prepared	Analyzed	Dil Fac
_ Method: 8015 NM - Diesel Range		Qualifier	RL 50.0	Unit mg/Kg	D	Prepared	Analyzed 08/08/22 11:58	Dil Fac
Method: 8015 NM - Diesel Range Analyte Total TPH	Result <50.0	Qualifier U			<u>D</u>	Prepared		
Method: 8015 NM - Diesel Range Analyte	e Organics (DI	Qualifier U			<u>D</u> 	Prepared Prepared		
Method: 8015 NM - Diesel Range Analyte Total TPH Method: 8015B NM - Diesel Rang	e Organics (DI	Qualifier U RO) (GC) Qualifier	50.0	mg/Kg			08/08/22 11:58	1
Method: 8015 NM - Diesel Range Analyte Total TPH Method: 8015B NM - Diesel Rang Analyte	ge Organics (DI Result	Qualifier U RO) (GC) Qualifier	50.0 RL	mg/Kg Unit		Prepared	08/08/22 11:58	1 Dil Fac
Method: 8015 NM - Diesel Range Analyte Total TPH Method: 8015B NM - Diesel Range Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	ge Organics (DI Result	Qualifier U RO) (GC) Qualifier U	50.0 RL	mg/Kg Unit		Prepared	08/08/22 11:58	1 Dil Fac
Method: 8015 NM - Diesel Range Analyte Total TPH Method: 8015B NM - Diesel Range Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result <50.0	Qualifier U RO) (GC) Qualifier U U	50.0 RL 50.0 50.0	mg/Kg Unit mg/Kg mg/Kg		Prepared 08/04/22 09:22 08/04/22 09:22	08/08/22 11:58 Analyzed 08/05/22 18:16 08/05/22 18:16	1 1 1
Method: 8015 NM - Diesel Range Analyte Total TPH Method: 8015B NM - Diesel Range Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	ge Organics (DI Result Result <50.0	Qualifier U RO) (GC) Qualifier U U		mg/Kg Unit mg/Kg		Prepared 08/04/22 09:22	08/08/22 11:58 Analyzed 08/05/22 18:16	1 Dil Fac 1
Method: 8015 NM - Diesel Range Analyte Total TPH Method: 8015B NM - Diesel Range Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	Result <50.0	Qualifier U RO) (GC) Qualifier U U U	50.0 RL 50.0 50.0	mg/Kg Unit mg/Kg mg/Kg		Prepared 08/04/22 09:22 08/04/22 09:22 08/04/22 09:22	08/08/22 11:58 Analyzed 08/05/22 18:16 08/05/22 18:16 08/05/22 18:16	1 Dil Fac 1
Method: 8015 NM - Diesel Range Analyte Total TPH Method: 8015B NM - Diesel Range Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result <50.0	Qualifier U RO) (GC) Qualifier U U U	S0.0 RL 50.0 50.0 50.0 50.0	mg/Kg Unit mg/Kg mg/Kg		Prepared 08/04/22 09:22 08/04/22 09:22	08/08/22 11:58 Analyzed 08/05/22 18:16 08/05/22 18:16	1 Dil Fac 1 1
Method: 8015 NM - Diesel Range Analyte Total TPH Method: 8015B NM - Diesel Range Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate	Result <50.0	Qualifier U RO) (GC) Qualifier U U Qualifier	50.0 RL 50.0 50.0 50.0 50.0 Limits	mg/Kg Unit mg/Kg mg/Kg		Prepared 08/04/22 09:22 08/04/22 09:22 08/04/22 09:22 Prepared	08/08/22 11:58 Analyzed 08/05/22 18:16 08/05/22 18:16 08/05/22 18:16 Analyzed	1 Dil Fac 1 1 1 <i>Dil Fac</i> 1
Method: 8015 NM - Diesel Range Analyte Total TPH Method: 8015B NM - Diesel Range Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorooctane	Result <50.0	Qualifier U RO) (GC) Qualifier U U U Qualifier S1-	50.0 RL 50.0 50.0 50.0 50.0 50.0 50.0 70 - 130	mg/Kg Unit mg/Kg mg/Kg		Prepared 08/04/22 09:22 08/04/22 09:22 08/04/22 09:22 Prepared 08/04/22 09:22	Analyzed 08/08/22 11:58 Analyzed 08/05/22 18:16 08/05/22 18:16 08/05/22 18:16 08/05/22 18:16	1 Dil Fac 1 1 1 <i>Dil Fac</i> 1
Method: 8015 NM - Diesel Range Analyte Total TPH Method: 8015B NM - Diesel Range Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorooctane	Result <50.0	Qualifier U RO) (GC) Qualifier U U U U Qualifier S1- S1-	50.0 RL 50.0 50.0 50.0 50.0 50.0 50.0 70 - 130	mg/Kg Unit mg/Kg mg/Kg		Prepared 08/04/22 09:22 08/04/22 09:22 08/04/22 09:22 Prepared 08/04/22 09:22	Analyzed 08/08/22 11:58 Analyzed 08/05/22 18:16 08/05/22 18:16 08/05/22 18:16 08/05/22 18:16	1 Dil Fac 1 1 1 Dil Fac

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Method: 8021B - Volatile Organic Compounds (GC)

Method: Total BTEX - Total BTEX Calculation

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Method: 300.0 - Anions, Ion Chromatography - Soluble

Result Qualifier

Qualifier

<0.00201 U

<0.00201 U

<0.00201 U

<0.00402 U

<0.00201 U

<0.00402 U

106

90

<0.00402 U

Result Qualifier

Result Qualifier

Result Qualifier

<49.9 U

<49.9 U

<49.9 U

<49.9 U

%Recovery Qualifier

Result Qualifier

72 86

10.9

%Recovery

RL

0.00201

0.00201

0.00201

0.00402

0.00201

0.00402

Limits 70 - 130

70 - 130

RL

RL

49.9

RL

49.9

49.9

49.9

RL 5.01

Limits

70 - 130

70 - 130

0.00402

Job ID: 890-2704-1

Client Sample ID: BH08

Date Collected: 08/01/22 14:15 Date Received: 08/02/22 09:53

Sample Depth: 4'

Client: Ensolum

Analyte

Benzene

Toluene

o-Xylene

Surrogate

Analyte

Analyte

Analyte

C10-C28)

Surrogate

o-Terphenyl

Analyte

\$

Chloride

1-Chlorooctane

(GRO)-C6-C10

Total TPH

Total BTEX

Ethylbenzene

Xylenes, Total

m-Xylene & p-Xylene

4-Bromofluorobenzene (Surr)

1,4-Difluorobenzene (Surr)

Gasoline Range Organics

Diesel Range Organics (Over

Oll Range Organics (Over C28-C36)

Client Sample ID: BH09 Date Collected: 08/01/22 13:30 Date Received: 08/02/22 09:53

1558045				
704-16 ix: Solid	ple ID: 890-2 Matri	Lab Sam		
			_	
Dil Fac	Analyzed	Prepared	<u>D</u>	Unit
1	08/11/22 05:51 08/11/22 05:51	08/08/22 13:11 08/08/22 13:11		mg/Kg
1	08/11/22 05:51	08/08/22 13:11		mg/Kg mg/Kg
	08/11/22 05:51	08/08/22 13:11		mg/Kg
1	08/11/22 05:51	08/08/22 13:11		mg/Kg
1	08/11/22 05:51	08/08/22 13:11		mg/Kg
Dil Fac	Analyzed	Prepared		
1	08/11/22 05:51	08/08/22 13:11		
1	08/11/22 05:51	08/08/22 13:11		
	Austral	Durant	_	1
Dil Fac	Analyzed 08/09/22 15:47	Prepared	D	Unit
1	08/09/22 15:47			ng/Kg
Dil Fac	Analyzed	Prepared	D	Unit
1	08/08/22 11:58			mg/Kg
Dil Fac	Analyzed	Prepared	D	Unit
1	08/05/22 18:38	08/04/22 09:22		mg/Kg
1	08/05/22 18:38	08/04/22 09:22		mg/Kg
1	08/05/22 18:38	08/04/22 09:22		mg/Kg
Dil Fac	Analyzed	Prepared		
1	08/05/22 18:38	08/04/22 09:22		
1	08/05/22 18:38	08/04/22 09:22		
Dil Fac	Analyzed	Prepared	D	Unit
1	08/11/22 12:27			mg/Kg
704-17	ple ID: 890-2	Lah Sam		
ix: Solid				

Sample Depth: 1'	
_	

Method: 8021B - Volatile Orga	nic Compounds ((GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	mg/Kg		08/08/22 13:11	08/11/22 06:11	1
Toluene	<0.00202	U	0.00202	mg/Kg		08/08/22 13:11	08/11/22 06:11	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		08/08/22 13:11	08/11/22 06:11	1
m-Xylene & p-Xylene	<0.00403	U	0.00403	mg/Kg		08/08/22 13:11	08/11/22 06:11	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		08/08/22 13:11	08/11/22 06:11	1
Xylenes, Total	<0.00403	U	0.00403	mg/Kg		08/08/22 13:11	08/11/22 06:11	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130			08/08/22 13:11	08/11/22 06:11	1

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Released to Imaging: 6/25/2024 8:06:17 AM

Job ID: 890-2704-1 SDG: 03E1558045

Matrix: Solid

5

Lab Sample ID: 890-2704-17

Client Sample ID: BH09

Date Collected: 08/01/22 13:30 Date Received: 08/02/22 09:53

Sample Depth: 1'

Client: Ensolum

Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	100		70 - 130			08/08/22 13:11	08/11/22 06:11	1
Method: Total BTEX - Total BTEX	Calculation							
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403	mg/Kg			08/09/22 15:47	
Method: 8015 NM - Diesel Range	Organics (DR	0) (GC)						
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			08/08/22 11:58	1
Method: 8015B NM - Diesel Range	e Organics (D	RO) (GC)						
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		08/04/22 09:22	08/05/22 19:00	1
Diesel Range Organics (Over	<50.0	U	50.0	mg/Kg		08/04/22 09:22	08/05/22 19:00	1
C10-C28)								
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		08/04/22 09:22	08/05/22 19:00	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	63	S1-	70 - 130			08/04/22 09:22	08/05/22 19:00	1
o-Terphenyl	73		70 - 130			08/04/22 09:22	08/05/22 19:00	1
Method: 300.0 - Anions, Ion Chroi	matography -	Soluble						
	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Analyte								

Date Collected: 08/01/22 13:40 Date Received: 08/02/22 09:53 Sample Depth: 4'

Method: 8021B - Volatile Organic Compounds (GC) Dil Fac Analyte Result Qualifier RL Unit D Prepared Analyzed Benzene <0.00200 U 0.00200 mg/Kg 08/08/22 13:11 08/11/22 08:01 Toluene <0.00200 U 0.00200 08/08/22 13:11 08/11/22 08:01 mg/Kg 1 Ethylbenzene <0.00200 U 0.00200 mg/Kg 08/08/22 13:11 08/11/22 08:01 m-Xylene & p-Xylene 0.00399 08/08/22 13:11 08/11/22 08:01 <0.00399 U mg/Kg 1 o-Xylene <0.00200 U 0.00200 mg/Kg 08/08/22 13:11 08/11/22 08:01 1 Xylenes, Total <0.00399 U 0.00399 mg/Kg 08/08/22 13:11 08/11/22 08:01 1 %Recovery Qualifier Limits Dil Fac Surrogate Prepared Analyzed 104 70 - 130 08/08/22 13:11 4-Bromofluorobenzene (Surr) 08/11/22 08:01 1 1,4-Difluorobenzene (Surr) 98 70 - 130 08/08/22 13:11 08/11/22 08:01 1 Method: Total BTEX - Total BTEX Calculation Analyte **Result Qualifier** RL Unit D Dil Fac Prepared Analyzed Total BTEX < 0.00399 U 0.00399 08/09/22 15:47 mg/Kg 1 Method: 8015 NM - Diesel Range Organics (DRO) (GC) Analyte Result Qualifier RL Unit D Prepared Analyzed Dil Fac <49.9 U Total TPH 49.9 mg/Kg 08/08/22 11:58 1

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Client Sample Results

RL

49.9

49.9

49.9

Limits

70 - 130

70 - 130

Unit

mg/Kg

mg/Kg

mg/Kg

D

Prepared

08/04/22 09:22

08/04/22 09:22

08/04/22 09:22

Prepared

08/04/22 09:22

08/04/22 09:22

Client: Ensolum
Project/Site: BEU Connector PW Booster

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Result Qualifier

<49.9 U

<49.9 U

<49.9 U

%Recovery Qualifier

81

68 S1-

Client Sample ID: BH09

Sample Depth: 4'

Gasoline Range Organics

Diesel Range Organics (Over

Oll Range Organics (Over C28-C36)

Analyte

C10-C28)

Surrogate

o-Terphenyl

1-Chlorooctane

(GRO)-C6-C10

Lab Sample ID: 890-2704-18

Analyzed

08/05/22 19:22

08/05/22 19:22

08/05/22 19:22

Analyzed

08/05/22 19:22

08/05/22 19:22

Date Collected: 08/01/22 13:40 Date Received: 08/02/22 09:53

	Matrix:	Solid
--	---------	-------

Dil Fac

1

1

1

1

1

Dil Fac

Job ID: 890-2704-1 SDG: 03E1558045

5 6 7 8 9

Method: 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	90.7		4.99	mg/Kg			08/11/22 12:45	1	

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5 6 7

Job ID: 890-2704-1 SDG: 03E1558045

Prep Type: Total/NA

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Client: Ensolum

		BFB1	DFBZ1	Percent Surrogate Recovery (Acceptance Limits)
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
820-5243-A-121-D MS	Matrix Spike	109	83	
820-5243-A-121-E MSD	Matrix Spike Duplicate	101	89	
890-2704-1	BH01	129	79	
890-2704-1 MS	BH01	130	85	
890-2704-1 MSD	BH01	140 S1+	84	
890-2704-2	BH01	131 S1+	93	
890-2704-3	BH02	127	86	
890-2704-4	BH02	139 S1+	91	
890-2704-5	BH03	130	84	
890-2704-6	BH03	125	92	
890-2704-7	BH04	128	95	
890-2704-8	BH04	99	98	
890-2704-9	BH05	109	90 97	
890-2704-9 MS	BH05	106	93	
890-2704-9 MSD	BH05	100	103	
890-2704-10	BH05	98	95	
890-2704-11	BH06	99	99	
890-2704-12	BH06	103	100	
890-2704-13	BH07	100	98	
890-2704-14	BH07	101	90 97	
890-2704-15	BH08	101	97 97	
890-2704-15	BH08	100	90	
890-2704-10	BH09	100	90 100	
890-2704-18	BH09	103	98	
LCS 880-31731/1-A	Lab Control Sample	104	98 85	
LCS 880-31767/1-A	Lab Control Sample	136 S1+	83 81	
LCS 880-31768/1-A	Lab Control Sample	111	92	
LCSD 880-31731/2-A	Lab Control Sample Dup	111	83	
LCSD 880-31751/2-A	Lab Control Sample Dup	131 S1+	83 84	
LCSD 880-31768/2-A	Lab Control Sample Dup	104	84 92	
MB 880-31523/5-A	Method Blank	92	92 80	
MB 880-31731/5-A	Method Blank	92 92	80 80	
MB 880-31757/5-A MB 880-31767/5-A	Method Blank	92 103	80 75	
MB 880-31767/5-A MB 880-31768/5-A	Method Blank		75 97	
	Method Blank	94 94	97 102	
MB 880-31769/5-A MB 880-31850/8	Method Blank	94 99	102 77	

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

Method: 8015B NM - Diesel Range Organics (DRO) (GC) Matrix: Solid

Percent Surrogate Recovery (Acceptance Limits) 1CO1 OTPH1 **Client Sample ID** (70-130) (70-130) Lab Sample ID 890-2704-1 BH01 72 81 890-2704-1 MS BH01 60 S1-63 S1-890-2704-1 MSD BH01 66 S1-67 S1-

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Prep Type: Total/NA

Job ID: 890-2704-1 SDG: 03E1558045

Prep Type: Total/NA

Project/Site: BEU Connector PW Booster Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Matrix: Solid

Client: Ensolum

		1CO1	OTPH1	Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)		
890-2704-2	BH01	71	85		
890-2704-3	BH02	65 S1-	76		
890-2704-4	BH02	61 S1-	70		
890-2704-5	BH03	86	101		
890-2704-6	BH03	90	105		
890-2704-7	BH04	69 S1-	83		
890-2704-8	BH04	64 S1-	75		
890-2704-9	BH05	77	94		
890-2704-10	BH05	73	87		
890-2704-11	BH06	65 S1-	78		
890-2704-12	BH06	73	89		
890-2704-13	BH07	83	91		
890-2704-14	BH07	83	93		
890-2704-15	BH08	51 S1-	54 S1-		
890-2704-16	BH08	72	86		
890-2704-17	BH09	63 S1-	73		
890-2704-18	BH09	68 S1-	81		1
LCS 880-31470/2-A	Lab Control Sample	92	97		
LCSD 880-31470/3-A	Lab Control Sample Dup	88	95		
MB 880-31470/1-A	Method Blank	88	108		

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

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Method: 8021B - Volatile Organic Compounds (GC)

 Lab Sample ID: MB 880-31523/5-A											Client Sa	mple ID: Me	thod	Blank
Matrix: Solid												Prep Typ		
Analysis Batch: 31678												Prep Ba		
		мв	МВ											
Analyte	Re	sult	Qualifier	RL	-	ι	Jnit		D	P	repared	Analyzed		Dil Fac
Benzene	<0.00	200	U	0.00200)	r	ng/Kg		_	08/0	4/22 16:53	08/08/22 11:3	35	1
Toluene	<0.00	200	U	0.00200)	r	ng/Kg			08/04	4/22 16:53	08/08/22 11:3	35	1
Ethylbenzene	<0.00	200	U	0.00200)	r	ng/Kg			08/04	4/22 16:53	08/08/22 11:3	35	1
m-Xylene & p-Xylene	<0.00	400	U	0.00400		r	ng/Kg			08/04	4/22 16:53	08/08/22 11:3	35	1
o-Xylene	<0.00	200	U	0.00200)		ng/Kg			08/04	4/22 16:53	08/08/22 11:3	35	1
Xylenes, Total	<0.00	400	U	0.00400)		ng/Kg			08/04	4/22 16:53	08/08/22 11:3	35	1
•														
		MВ	MB							_	_			
Surrogate	%Reco	-	Qualifier	Limits	-						repared	Analyzed		Dil Fac
4-Bromofluorobenzene (Surr)		92		70 - 130							4/22 16:53	08/08/22 11::		1
1,4-Difluorobenzene (Surr)		80		70 - 130						08/0	4/22 16:53	08/08/22 11::	35	1
 Lab Sample ID: MB 880-31731/5-A											Client Sa	mple ID: Me	thod	Blank
Matrix: Solid											onent oa	Prep Typ		
Analysis Batch: 31678												Prep Ba		
Analysis Batch. 51070		мв	МВ									гтер Ба	aten.	51751
Analyte	Re	sult		RL			Jnit		D	P	repared	Analyzed		Dil Fac
Benzene	<0.00		-	0.00200			ng/Kg		-		8/22 10:46	08/09/22 01:	11 –	1
Toluene	<0.00			0.00200			ng/Kg			08/0	8/22 10:46	08/09/22 01:		1
Ethylbenzene	< 0.00			0.00200			ng/Kg				8/22 10:46	08/09/22 01:		1
m-Xylene & p-Xylene	< 0.00			0.00400			ng/Kg				8/22 10:46	08/09/22 01:		1
o-Xylene	< 0.00			0.00200			ng/Kg				8/22 10:10	08/09/22 01:		1
Xylenes, Total	< 0.00			0.00400			ng/Kg				8/22 10:10	08/09/22 01:		1
	0.00		0	0.00100						00,0	0,22 .00	00/00/22 011		·
		MВ	МВ											
Surrogate	%Reco	-	Qualifier	Limits	-						repared	Analyzed		Dil Fac
4-Bromofluorobenzene (Surr)		92		70 - 130							8/22 10:46	08/09/22 01:		1
1,4-Difluorobenzene (Surr)		80		70 - 130						08/0	8/22 10:46	08/09/22 01:	11	1
 Lab Sample ID: LCS 880-31731/1-A									c	liont	Sample	D: Lab Cont	rol S	amplo
Matrix: Solid									Ŭ	nem	Jampie	Prep Typ		-
Analysis Batch: 31678												Prep Ba		
Analysis Datch. 51070				Spike	LCS	LCS						%Rec	aton.	51751
Analyte				Added		Qualif	ior I	Jnit		D	%Rec	Limits		
Benzene				0.100	0.08288	Quan		ng/Kg			83	70 - 130		
Toluene				0.100	0.08549			ng/Kg			85	70 - 130		
Ethylbenzene				0.100	0.08686			ng/Kg			87	70 - 130		
m-Xylene & p-Xylene				0.200	0.1774			ng/Kg			89	70 - 130		
o-Xylene				0.200	0.09732			ng/Kg			97	70 - 130		
0-Xylene				0.100	0.03732			iig/itg			51	70 - 150		
	LCS	LCS												
	Recovery	Qua	lifier	Limits										
4-Bromofluorobenzene (Surr)	125			70 - 130										
1,4-Difluorobenzene (Surr)	85			70 - 130										
										•				
Lab Sample ID: LCSD 880-31731/2-	A							Cli	ent	Sam	pie ID: La	ab Control S		
Matrix: Solid												Prep Typ		
Analysis Batch: 31678				o "								Prep Ba	atch:	
• • •				Spike		LCSD				-	~ =	%Rec		RPD
Analyte				Added	Result	Qualif	ier L	Jnit			%Rec	Limits	RPD	Limit

35

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3

5

7 8

Job ID: 890-2704-1 SDG: 03E1558045

Benzene

0.08517

mg/Kg

85

70 - 130

0.100

Client: Ensolum Project/Site: BEU Connector PW Booster Job ID: 890-2704-1 SDG: 03E1558045

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Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: LCSD 880-3 Matrix: Solid	31731/2-A				Clie	nt San	ple ID:		· Type: Tot	tal/NA
Analysis Batch: 31678								Prep	Batch:	31731
		Spike	LCSD	LCSD				%Rec		RPD
Analyte		Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Toluene		0.100	0.09048		mg/Kg		90	70 - 130	6	35
Ethylbenzene		0.100	0.08974		mg/Kg		90	70 - 130	3	35
m-Xylene & p-Xylene		0.200	0.1833		mg/Kg		92	70 - 130	3	35
o-Xylene		0.100	0.09907		mg/Kg		99	70 - 130	2	35
	LCSD LCSD									
Summe mete	% Deservery Overlifier	l insite								

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	111		70 - 130
1,4-Difluorobenzene (Surr)	83		70 - 130

Lab Sample ID: 820-5243-A-121-D MS Matrix: Solid

Analysis Batch: 31678 Prep Batch: 31731 Spike MS MS %Rec Sample Sample Analyte Result Qualifier Added **Result Qualifier** Unit D %Rec Limits Benzene U F1 F2 0.101 0.007984 F1 8 70 - 130 <0.00199 mg/Kg Toluene <0.00199 U F1 F2 0.101 0.009017 F1 9 70 - 130 mg/Kg Ethylbenzene <0.00199 U F1 F2 0.101 0.009234 F1 9 70 - 130 mg/Kg 0.202 9 m-Xylene & p-Xylene <0.00398 U F1 F2 0.01864 F1 70 - 130 mg/Kg o-Xylene <0.00199 U F1 F2 0.101 0.01047 F1 mg/Kg 10 70 - 130

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	109		70 - 130
1,4-Difluorobenzene (Surr)	83		70 - 130

Lab Sample ID: 820-5243-A-121-E MSD Matrix: Solid Analysis Batch: 31678

Analysis Batch: 31678								Prep	Batch:	31731
San	ple Sample	Spike	MSD	MSD				%Rec		RPD
Analyte Re	ult Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene <0.00	99 U F1 F2	0.101	0.004525	F1 F2	mg/Kg		4	70 - 130	55	35
Toluene <0.00	99 U F1 F2	0.101	0.003980	F1 F2	mg/Kg		4	70 - 130	78	35
Ethylbenzene <0.00	99 U F1 F2	0.101	0.004221	F1 F2	mg/Kg		4	70 - 130	75	35
m-Xylene & p-Xylene <0.00	98 UF1F2	0.201	0.008636	F1 F2	mg/Kg		4	70 - 130	73	35
o-Xylene <0.00	99 U F1 F2	0.101	0.005003	F1 F2	mg/Kg		5	70 - 130	71	35

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	101		70 - 130
1,4-Difluorobenzene (Surr)	89		70 - 130

Lab Sample ID: MB 880-31767/5-A Matrix: Solid Analysis Batch: 31850

МВ МВ Analyte Result Qualifier Unit D Prepared Dil Fac RL Analyzed Benzene <0.00200 U 0.00200 08/08/22 13:00 08/10/22 06:38 mg/Kg 1 08/10/22 06:38 Toluene <0.00200 U 0.00200 mg/Kg 08/08/22 13:00 1 Ethylbenzene <0.00200 U 0.00200 mg/Kg 08/08/22 13:00 08/10/22 06:38 1 <0.00400 U 0.00400 08/08/22 13:00 08/10/22 06:38 m-Xylene & p-Xylene mg/Kg 1

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Client Sample ID: Matrix Spike Duplicate

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Type: Total/NA

Prep Type: Total/NA Prep Batch: 31767

Client Sample ID: Method Blank

Released to Imaging: 6/25/2024 8:06:17 AM

Job ID: 890-2704-1 SDG: 03E1558045

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: MB 880-31767/5-A									Client Sa	mple ID: Metho	
Matrix: Solid										Prep Type:	
Analysis Batch: 31850		MP								Prep Batc	n: 31/6/
Amelia	MB				1114		_	_		A	D!!
Analyte		Qualifier	RL			,	<u>D</u>	-	repared	Analyzed	Dil Fac
o-Xylene	<0.00200		0.00200		mg/K	•			8/22 13:00	08/10/22 06:38	1
Xylenes, Total	<0.00400	U	0.00400		mg/K	g		08/0	8/22 13:00	08/10/22 06:38	1
	MB	МВ									
Surrogate	%Recovery	Qualifier	Limits					P	repared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130	-				08/0	8/22 13:00	08/10/22 06:38	1
1,4-Difluorobenzene (Surr)	75		70 - 130					08/0	8/22 13:00	08/10/22 06:38	1
Lab Sample ID: LCS 880-31767/1-A Matrix: Solid Analysis Batch: 31850							С	lient	Sample I	D: Lab Control Prep Type: Prep Batc	Total/NA
			Spike	LCS	LCS					%Rec	
Analyte			Added	Result	Qualifier	Unit		D	%Rec	Limits	
Benzene			0.100	0.08434		mg/Kg			84	70 - 130	
Toluene			0.100	0.08825		mg/Kg			88	70 - 130	
Ethylbenzene			0.100	0.08741		mg/Kg			87	70 - 130	
m-Xylene & p-Xylene			0.200	0.1767		mg/Kg			88	70 - 130	
o-Xylene			0.100	0.09757		mg/Kg			98	70 - 130	
	LCS LCS	;									
Surrogate %F	Recovery Qua	lifier	Limits								

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	136	S1+	70 - 130
1,4-Difluorobenzene (Surr)	81		70 - 130

Lab Sample ID: LCSD 880-31767/2-A Matrix: Solid

Analysis Batch: 31850

Client Sample ID: Lab Control Sample Dup Prep Type: Total/NA Prep Batch: 31767

	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.100	0.08734		mg/Kg		87	70 - 130	3	35
Toluene	0.100	0.08876		mg/Kg		89	70 - 130	1	35
Ethylbenzene	0.100	0.08917		mg/Kg		89	70 - 130	2	35
m-Xylene & p-Xylene	0.200	0.1831		mg/Kg		92	70 - 130	4	35
o-Xylene	0.100	0.09964		mg/Kg		100	70 - 130	2	35

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	131	S1+	70 - 130
1,4-Difluorobenzene (Surr)	84		70 - 130

Lab Sample ID: 890-2704-1 MS Matrix: Solid Analysis Batch: 31850

Analysis Batch: 31850									Prep	Batch: 31767
	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.00199	U F1	0.100	0.09552		mg/Kg		95	70 - 130	
Toluene	<0.00199	U	0.100	0.09509		mg/Kg		95	70 - 130	
Ethylbenzene	<0.00199	U	0.100	0.09336		mg/Kg		93	70 - 130	
m-Xylene & p-Xylene	<0.00398	U	0.201	0.1888		mg/Kg		94	70 - 130	
o-Xylene	<0.00199	U	0.100	0.1014		mg/Kg		101	70 - 130	

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Client Sample ID: BH01

Prep Type: Total/NA

Client: Ensolum Project/Site: BEU Connector PW Booster

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: 890-2704-1 MS Matrix: Solid Analysis Batch: 31850

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)			70 - 130
1,4-Difluorobenzene (Surr)	85		70 - 130

Lab Sample ID: 890-2704-1 MSD Matrix: Solid

Lab Sample ID: MB 880-31768/5-A

Matrix: Solid

Analyte

Benzene

Toluene

o-Xylene

Surrogate

Matrix: Solid

Ethylbenzene

Xylenes, Total

m-Xylene & p-Xylene

4-Bromofluorobenzene (Surr)

Analysis Batch: 31904

4-Bromofluorobenzene (Surr)

Lab Sample ID: LCS 880-31768/1-A

1,4-Difluorobenzene (Surr)

Analysis Batch: 31904

Analysis Batch: 31850 Prep Batch: 31767 Sample Sample Spike MSD MSD %Rec Analyte Result Qualifier Added Result Qualifier Unit D %Rec Limits RPD <0.00199 U F1 0.0998 0.06812 F1 68 70 - 130 33 Benzene mg/Kg Toluene <0.00199 U 0.0998 0.07008 mg/Kg 70 70 - 130 30 <0.00199 U 0.0998 0.07097 mg/Kg 71 70 - 130 27 Ethvlbenzene m-Xylene & p-Xylene <0.00398 U 0.200 0.1453 mg/Kg 73 70 - 130 26 o-Xylene <0.00199 U 0.0998 0.08021 mg/Kg 80 70 - 130 23

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	140	S1+	70 - 130
1,4-Difluorobenzene (Surr)	84		70 - 130

MR MR

<0.00200 U

<0.00200 U

<0.00200 U

<0.00400 U

<0.00200 U

<0.00400 U

%Recovery

111

MB MB

94

97

Qualifier

Result Qualifier

Client Sample ID: Method Blank Ι/ΝΔ 768

Prep Type: Total
Prep Batch: 31

Job ID: 890-2704-1 SDG: 03E1558045

Client Sample ID: BH01

Client Sample ID: BH01

Prep Type: Total/NA

Prep Type: Total/NA

Prep Batch: 31767

RPD

Limit

35

35

35

35

35

Dil Fac

1

1

1

1

1

1

1

1

Dil Fac

Analyzed

08/11/22 02:38

08/11/22 02:38

08/11/22 02:38

08/11/22 02:38

08/11/22 02:38

08/11/22 02:38

Analyzed

08/11/22 02:38

08/11/22 02:38

Client Sample ID: Lab Control Sample Prep Type: Total/NA

Prep Batch: 31768

%Rec Spike LCS LCS Analyte Added Result Qualifier Unit %Rec Limits D Benzene 0.100 0.07179 mg/Kg 72 70 - 130 Toluene 0.100 0.08341 70 - 130 mg/Kg 83 Ethylbenzene 0.100 0.08799 mg/Kg 88 70 - 130 0.200 92 70 - 130 0.1838 mg/Kg m-Xylene & p-Xylene o-Xylene 0.100 0.09228 mg/Kg 92 70 - 130 LCS LCS %Recoverv Qualifier Limits Surrogate

70 - 130

RL

0.00200

0.00200

0.00200

0.00400

0.00200

0.00400

Limits

70 - 130

70 - 130

Unit

mg/Kg

mg/Kg

mg/Kg

mg/Kg

mg/Kg

mg/Kg

D

Prepared

08/08/22 13:11

08/08/22 13:11

08/08/22 13:11

08/08/22 13:11

08/08/22 13:11

08/08/22 13:11

Prepared

08/08/22 13:11

08/08/22 13:11

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Client: Ensolum Project/Site: BEU Connector PW Booster

Lab Sample ID: LCS 880-31768/1-A

Matrix: Solid

Analysis Batch: 31904

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

	LCS	LCS									
Surrogate	%Recovery	Qualifier	Limits								
1,4-Difluorobenzene (Surr)	92		70 - 130								
Lab Sample ID: LCSD 880-	31768/2-A					Clie	nt Sam	ple ID:	Lab Contro	I Sampl	e Dup
Matrix: Solid								-	Prep 1	Гуре: То	tal/NA
Analysis Batch: 31904									Prep	Batch:	31768
			Spike	LCSD	LCSD				%Rec		RPD
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene			0.100	0.07256		mg/Kg		73	70 - 130	1	35
Toluene			0.100	0.08266		mg/Kg		83	70 - 130	1	35
Ethylbenzene			0.100	0.08687		mg/Kg		87	70 - 130	1	35
m-Xylene & p-Xylene			0.200	0.1804		mg/Kg		90	70 - 130	2	35
o-Xylene			0.100	0.09054		mg/Kg		91	70 - 130	2	35
	LCSD	LCSD									
Surrogate	%Recoverv	Qualifier	l imits								

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	104		70 - 130
1,4-Difluorobenzene (Surr)	92		70 - 130

Lab Sample ID: 890-2704-9 MS Matrix: Solid Analysis Batch: 31904

Analysis Daton. 51504									т тер ь	
	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.00199	U	0.0998	0.08508		mg/Kg		85	70 - 130	
Toluene	<0.00199	U	0.0998	0.09438		mg/Kg		95	70 - 130	
Ethylbenzene	<0.00199	U	0.0998	0.09810		mg/Kg		98	70 - 130	
m-Xylene & p-Xylene	<0.00398	U	0.200	0.2010		mg/Kg		101	70 - 130	
o-Xylene	<0.00199	U	0.0998	0.09903		mg/Kg		99	70 - 130	
	MS	MS								

	1// 5	11/15	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	106		70 - 130
1,4-Difluorobenzene (Surr)	93		70 - 130

Lab Sample ID: 890-2704-9 MSD Matrix: Solid Analysis Batch: 31904

Analysis Daton. 51504									i iep	Daten.	31700
	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	< 0.00199	U	0.100	0.1022		mg/Kg		102	70 - 130	18	35
Toluene	<0.00199	U	0.100	0.09599		mg/Kg		96	70 - 130	2	35
Ethylbenzene	<0.00199	U	0.100	0.09685		mg/Kg		96	70 - 130	1	35
m-Xylene & p-Xylene	<0.00398	U	0.201	0.1954		mg/Kg		97	70 - 130	3	35
o-Xylene	<0.00199	U	0.100	0.09572		mg/Kg		95	70 - 130	3	35

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	102		70 - 130
1,4-Difluorobenzene (Surr)	103		70 - 130

Job ID: 890-2704-1
SDG: 03E1558045

Prep Type: Total/NA

Prep Batch: 31768

Client Sample ID: Lab Control Sample

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Client Sample ID: BH05 Prep Type: Total/NA Prep Batch: 31768

Client Sample ID: BH05
Prep Type: Total/NA
Prep Batch: 31768

Lab Sample ID: MB 880-31769/5-A **Client Sample ID: Method Blank** Matrix: Solid Prep Type: Total/NA Analysis Batch: 31904 Prep Batch: 31769 MB MB Dil Fac Analyte Result Qualifier RL Unit D Prepared Analyzed Benzene <0.00200 U 0.00200 mg/Kg 08/08/22 13:23 08/10/22 14:40 1 Toluene <0.00200 U 0.00200 mg/Kg 08/08/22 13:23 08/10/22 14:40 1 Ethylbenzene 0.00200 08/08/22 13:23 08/10/22 14:40 <0.00200 U mg/Kg 1 m-Xylene & p-Xylene <0.00400 U 0.00400 mg/Kg 08/08/22 13:23 08/10/22 14:40 o-Xylene <0.00200 U 0.00200 08/08/22 13:23 08/10/22 14.40 mg/Kg 1 <0.00400 U 0.00400 08/08/22 13:23 08/10/22 14:40 Xylenes, Total mg/Kg MB MB %Recovery Qualifier Limits Prepared Dil Fac Surrogate Analyzed 70 - 130 08/08/22 13:23 08/10/22 14:40 4-Bromofluorobenzene (Surr) 94 1 102 08/08/22 13:23 1,4-Difluorobenzene (Surr) 70 - 130 08/10/22 14:40 1 Lab Sample ID: MB 880-31850/8 **Client Sample ID: Method Blank** Matrix: Solid Prep Type: Total/NA Analysis Batch: 31850 MR MR Analyte Result Qualifier RL Unit D Prepared Analyzed Dil Fac Benzene <0.00200 U 0.00200 mg/Kg 08/09/22 16:48 Toluene <0.00200 U 0.00200 mg/Kg 08/09/22 16:48 Ethylbenzene <0.00200 U 0.00200 08/09/22 16:48 mg/Kg 1 m-Xylene & p-Xylene <0.00400 U 0.00400 mg/Kg 08/09/22 16:48 1 o-Xylene <0.00200 U 0.00200 mg/Kg 08/09/22 16:48 1 Xylenes, Total <0.00400 U 0.00400 08/09/22 16:48 mg/Kg 1 MB MB %Recovery Qualifier Limits Prepared Analyzed Dil Fac Surrogate 99 4-Bromofluorobenzene (Surr) 70 - 130 08/09/22 16:48

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

1,4-Difluorobenzene (Surr)

77

 Lab Sample ID: MB 880-31470/1- Matrix: Solid Analysis Batch: 31531	A					Client Sa	mple ID: Metho Prep Type: ⊺ Prep Batcł	Total/NA
	MB	MB						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0	mg/Kg		08/04/22 09:22	08/05/22 11:01	1
(GRO)-C6-C10								
Diesel Range Organics (Over	<50.0	U	50.0	mg/Kg		08/04/22 09:22	08/05/22 11:01	1
C10-C28)								
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		08/04/22 09:22	08/05/22 11:01	1
	MB	МВ						
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	88		70 - 130			08/04/22 09:22	08/05/22 11:01	1
o-Terphenyl	108		70 - 130			08/04/22 09:22	08/05/22 11:01	1

70 - 130

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08/09/22 16:48

Client: Ensolum Project/Site: BEU Connector PW Booster

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Г							_					
Lab Sample ID: LCS 880-31470	/ 2-A						Client	Sampl	e ID: Lab C		-	
Matrix: Solid										Туре: То		
Analysis Batch: 31531									-	Batch:	31470	
			Spike	LCS	LCS				%Rec			
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits			
Gasoline Range Organics			1000	1009		mg/Kg		101	70 - 130			
(GRO)-C6-C10			1000	004.4				00	70 400			Ē
Diesel Range Organics (Over C10-C28)			1000	981.4		mg/Kg		98	70 - 130			
010-020)												
	LCS	LCS										
Surrogate	%Recovery	Qualifier	Limits									2
1-Chlorooctane	92		70 - 130									
o-Terphenyl	97		70 - 130									
Lab Sample ID: LCSD 880-3147	′0/3-A					Clie	nt Sam	ple ID:	Lab Contro			
Matrix: Solid									Prep	Type: To	tal/NA	
Analysis Batch: 31531									Prep	Batch:	31470	
			Spike	LCSD	LCSD				%Rec		RPD	
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Gasoline Range Organics			1000	969.8		mg/Kg		97	70 - 130	4	20	Ē
(GRO)-C6-C10			1000	004.0					70 400	0		
Diesel Range Organics (Over C10-C28)			1000	894.9		mg/Kg		89	70 - 130	9	20	2
010-028)												
	LCSD	LCSD										
Surrogate	%Recovery	Qualifier	Limits									
1-Chlorooctane	88		70 - 130									
o-Terphenyl	95		70 - 130									
Г												
Lab Sample ID: 890-2704-1 MS									Client Sa			
Matrix: Solid										Туре: То		
Analysis Batch: 31531										Batch:	31470	
		Sample	Spike	MS	MS				%Rec			
Analyte		Qualifier	Added		Qualifier	Unit	D	%Rec	Limits			
Gasoline Range Organics	<49.9	U	999	766.4		mg/Kg		75	70 - 130			
(GRO)-C6-C10	<49.9		999	620.6	E1	malka		60	70 120			
Diesel Range Organics (Over C10-C28)	<49.9	UFI	999	020.0	FI	mg/Kg		62	70 - 130			
010-020)												
	MS	MS										
Surrogate	%Recovery		Limits									
1-Chlorooctane	60	S1-	70 - 130									
o-Terphenyl	63	S1-	70 - 130									
Г												
Lab Sample ID: 890-2704-1 MSI	U								Client Sa			
Matrix: Solid										Туре: То		
Analysis Batch: 31531									-	Batch:		
	-	Sample	Spike		MSD				%Rec		RPD	
Analyte		Qualifier	Added		Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Gasoline Range Organics	<49.9	U	999	861.7		mg/Kg		84	70 - 130	12	20	
(GRO)-C6-C10	-10.0		000	074.0	F 1	m a //		07	70 400	•	00	
Diesel Range Organics (Over C10-C28)	<49.9	UFI	999	671.9	F1	mg/Kg		67	70 - 130	8	20	
010-020)												

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	66	S1-	70 - 130

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Job ID: 890-2704-1

SDG: 03E1558045

Released to Imaging: 6/25/2024 8:06:17 AM

Client: Ensolum

Job ID: 890-2704-1 SDG: 03E1558045

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

)								Client Sar		
Matrix: Solid									Prep 1	Гуре: То	tal/N
Analysis Batch: 31531									Prep	Batch:	3147
	MSD	MSD									
Surrogate	%Recovery	Qualifier	Limits								
p-Terphenyl	67	S1-	70 - 130								
lethod: 300.0 - Anions, Ion	Chromat	ography									
Lab Sample ID: MB 880-31446/1	- A							Client S	Sample ID:	Method	Blan
Matrix: Solid									Prep	Type: S	olub
Analysis Batch: 31668											
		MB MB									
Analyte	R	esult Qualifier		RL	Unit		<u>D</u> P	repared	Analyz	zed	Dil Fa
Chloride	<	5.00 U		5.00	mg/K	g			08/11/22	08:18	
Lab Sample ID: LCS 880-31446/	2 A						Clion	Somela	BID: Lab Co	ontrol S	
Matrix: Solid	2-A						Client	Sample			
Analysis Batch: 31668									Fieb	Type: S	Jun
narysis Daten. 51000			Spike	105	LCS				%Rec		
Analyte			Added		Qualifier	Unit	D	%Rec	Limits		
Chloride			250	244.6	Quanner	mg/Kg	_	98	90 - 110		
Lab Sample ID: LCSD 880-3144	6/3-A					Cli	ent San	nple ID:	Lab Contro	ol Sampl	le Du
Matrix: Solid									Prep	Type: S	olub
Analysis Batch: 31668											
-			Spike	LCSD	LCSD				%Rec		RF
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Lin
Chloride			250	249.4		mg/Kg		100	90 - 110	2	:
											.
	BMS							Client	Sample ID		SOI
Matrix: Solid										Type: S	
Matrix: Solid		. .	0.11						Prep		
Matrix: Solid Analysis Batch: 31668	Sample	Sample	Spike		MS	11 14			Prep %Rec		
Matrix: Solid Analysis Batch: 31668 ^{Analyte}	Sample Result	Sample Qualifier	Added	Result	MS Qualifier	Unit	D	%Rec	Prep %Rec Limits		
Matrix: Solid Analysis Batch: 31668 Analyte	Sample					Unit mg/Kg	<u>D</u>		Prep %Rec		
Matrix: Solid Analysis Batch: 31668 Analyte Chloride	Sample Result 1050		Added	Result		mg/Kg		%Rec	Prep %Rec Limits 90 - 110	Type: S	olub
Matrix: Solid Analysis Batch: 31668 Analyte Chloride Lab Sample ID: 880-17639-A-1-0	Sample Result 1050		Added	Result		mg/Kg		%Rec	Prep %Rec Limits 90 - 110 D: Matrix Sp	Type: S 	olub
Matrix: Solid Analysis Batch: 31668 Analyte Chloride Lab Sample ID: 880-17639-A-1-0 Matrix: Solid	Sample Result 1050		Added	Result		mg/Kg		%Rec	Prep %Rec Limits 90 - 110 D: Matrix Sp	Type: S	olub
Matrix: Solid Analysis Batch: 31668 Analyte Chloride Lab Sample ID: 880-17639-A-1-0 Matrix: Solid	Sample Result 1050 C MSD		Added	Result 3537		mg/Kg		%Rec	Prep %Rec Limits 90 - 110 D: Matrix Sp	Type: S 	olub
Matrix: Solid Analysis Batch: 31668 Chloride Lab Sample ID: 880-17639-A-1-0 Matrix: Solid Analysis Batch: 31668	Sample Result 1050 C MSD Sample	Qualifier	Added 2490 Spike	Result 3537 MSD	Qualifier MSD	mg/Kg		<u>%Rec</u> 100 ample IC	Prep %Rec Limits 90 - 110 D: Matrix Sp Prep %Rec	Type: S pike Dup Type: S	olub olicat olub RF
Matrix: Solid Analysis Batch: 31668 Chloride Lab Sample ID: 880-17639-A-1-0 Matrix: Solid Analysis Batch: 31668	Sample Result 1050 C MSD Sample	Qualifier	Added 2490	Result 3537 MSD	Qualifier	mg/Kg		%Rec	Prep %Rec Limits 90 - 110 D: Matrix Sp Prep	Type: S 	olub olicat olub RF Lin
Matrix: Solid Analysis Batch: 31668 Chloride Lab Sample ID: 880-17639-A-1-0 Matrix: Solid Analysis Batch: 31668 Analyte Chloride	Sample Result 1050 C MSD Sample Result 1050	Qualifier	Added 2490 Spike Added	Result 3537 MSD Result	Qualifier MSD	mg/Kg		%Rec 100 ample IE %Rec	Prep %Rec Limits 90 - 110 D: Matrix Sp Prep %Rec Limits 90 - 110	Type: S pike Dup Type: S <u>RPD</u> 1	olub olica olub RF Lin
Matrix: Solid Analysis Batch: 31668 Chloride Lab Sample ID: 880-17639-A-1-0 Matrix: Solid Analysis Batch: 31668 Analyte Chloride Lab Sample ID: 890-2704-10 MS	Sample Result 1050 C MSD Sample Result 1050	Qualifier	Added 2490 Spike Added	Result 3537 MSD Result	Qualifier MSD	mg/Kg		%Rec 100 ample IE %Rec	Prep %Rec Limits 90 - 110 D: Matrix Sp Prep %Rec Limits 90 - 110 Client Sar	Type: S pike Dup Type: S mple ID:	olub Dlica olub RR Lin BH(
Matrix: Solid Analysis Batch: 31668 Chloride Lab Sample ID: 880-17639-A-1-0 Matrix: Solid Analysis Batch: 31668 Chloride Lab Sample ID: 890-2704-10 MS Matrix: Solid	Sample Result 1050 C MSD Sample Result 1050	Qualifier	Added 2490 Spike Added	Result 3537 MSD Result	Qualifier MSD	mg/Kg		%Rec 100 ample IE %Rec	Prep %Rec Limits 90 - 110 D: Matrix Sp Prep %Rec Limits 90 - 110 Client Sar	Type: S pike Dup Type: S <u>RPD</u> 1	olub Dlica olub RR Lin BH(
Matrix: Solid Analysis Batch: 31668 Chloride Lab Sample ID: 880-17639-A-1-0 Matrix: Solid Analysis Batch: 31668 Chloride Lab Sample ID: 890-2704-10 MS Matrix: Solid	Sample Result 1050 C MSD Sample Result 1050	Qualifier Sample Qualifier	Added 2490 Spike Added 2490	Result 3537 MSD Result 3565	Qualifier MSD Qualifier	mg/Kg		%Rec 100 ample IE %Rec	Prep %Rec Limits 90 - 110 D: Matrix Sp Prep %Rec Limits 90 - 110 Client Sar Prep	Type: S pike Dup Type: S mple ID:	olub olicat olub RF Lin BH(
Lab Sample ID: 880-17639-A-1-E Matrix: Solid Analysis Batch: 31668 Chloride Lab Sample ID: 880-17639-A-1-0 Matrix: Solid Analysis Batch: 31668 Chloride Lab Sample ID: 890-2704-10 MS Matrix: Solid Analysis Batch: 31668 Analysis Batch: 31668	Sample Result 1050 C MSD Sample Result 1050 Sample	Qualifier	Added 2490 Spike Added	Result 3537 MSD Result 3565	Qualifier MSD	mg/Kg		%Rec 100 ample IE %Rec	Prep %Rec Limits 90 - 110 D: Matrix Sp Prep %Rec Limits 90 - 110 Client Sar	Type: S pike Dup Type: S mple ID:	olub olicat olub RP Lim 2 BH0

Client: Ensolum Project/Site: BEU Connector PW Booster

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 890-2704-10 MSE Matrix: Solid							Client Sar Prep	mple ID: Type: S			
Analysis Batch: 31668	Sampla	Sample	Spike	Med	MSD				%Rec		RPD
	Sample	Sample	эріке	IVISD	WISD				%Rec		RFD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	18.2		250	274.0		mg/Kg		102	90 - 110	1	20

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 Job ID: 890-2704-1
 1

 SDG: 03E1558045
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 ant Sample ID: BH05
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 ec
 RPD

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 RPD

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 10

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Client: Ensolum Project/Site: BEU Connector PW Booster Job ID: 890-2704-1 SDG: 03E1558045

GC VOA

Prep Batch: 31523

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-31523/5-A	Method Blank	Total/NA	Solid	5035	
Analysis Patch: 2467	0				

Analysis Batch: 31678

Prep Batch: 31523						
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch	
MB 880-31523/5-A	Method Blank	Total/NA	Solid	5035		5
Analysis Batch: 31678						5
Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch	
890-2704-2	BH01	Total/NA	Solid	8021B	31731	
890-2704-3	BH02	Total/NA	Solid	8021B	31731	
890-2704-4	BH02	Total/NA	Solid	8021B	31731	-
890-2704-5	BH03	Total/NA	Solid	8021B	31731	8
890-2704-6	BH03	Total/NA	Solid	8021B	31731	
890-2704-7	BH04	Total/NA	Solid	8021B	31731	9
MB 880-31523/5-A	Method Blank	Total/NA	Solid	8021B	31523	
MB 880-31731/5-A	Method Blank	Total/NA	Solid	8021B	31731	
LCS 880-31731/1-A	Lab Control Sample	Total/NA	Solid	8021B	31731	
LCSD 880-31731/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	31731	
820-5243-A-121-D MS	Matrix Spike	Total/NA	Solid	8021B	31731	
820-5243-A-121-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	31731	
Prep Batch: 31731						
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch	13
890-2704-2	BH01	Total/NA	Solid	5035		
800-2704-3	BH02	Total/NA	Solid	5035		

Prep Batch: 31731

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
890-2704-2	BH01	Total/NA	Solid	5035	
890-2704-3	BH02	Total/NA	Solid	5035	
890-2704-4	BH02	Total/NA	Solid	5035	
890-2704-5	BH03	Total/NA	Solid	5035	
890-2704-6	BH03	Total/NA	Solid	5035	
890-2704-7	BH04	Total/NA	Solid	5035	
MB 880-31731/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-31731/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-31731/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
820-5243-A-121-D MS	Matrix Spike	Total/NA	Solid	5035	
820-5243-A-121-E MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Prep Batch: 31767

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batc
890-2704-1	BH01	Total/NA	Solid	5035	
MB 880-31767/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-31767/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-31767/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-2704-1 MS	BH01	Total/NA	Solid	5035	
890-2704-1 MSD	BH01	Total/NA	Solid	5035	

Prep Batch: 31768

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
890-2704-8	BH04	Total/NA	Solid	5035	
890-2704-9	BH05	Total/NA	Solid	5035	
890-2704-10	BH05	Total/NA	Solid	5035	
890-2704-11	BH06	Total/NA	Solid	5035	
890-2704-12	BH06	Total/NA	Solid	5035	
890-2704-13	BH07	Total/NA	Solid	5035	
890-2704-14	BH07	Total/NA	Solid	5035	
890-2704-15	BH08	Total/NA	Solid	5035	
890-2704-16	BH08	Total/NA	Solid	5035	

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Client: Ensolum Project/Site: BEU Connector PW Booster

GC VOA (Continued)

Prep Batch: 31768 (Continued)

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
890-2704-17	BH09	Total/NA	Solid	5035	
890-2704-18	BH09	Total/NA	Solid	5035	
MB 880-31768/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-31768/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-31768/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-2704-9 MS	BH05	Total/NA	Solid	5035	
890-2704-9 MSD	BH05	Total/NA	Solid	5035	
Prep Batch: 31769					
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-31769/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 31850

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch	
890-2704-1	BH01	Total/NA	Solid	8021B	31767	
MB 880-31767/5-A	Method Blank	Total/NA	Solid	8021B	31767	
MB 880-31850/8	Method Blank	Total/NA	Solid	8021B		
LCS 880-31767/1-A	Lab Control Sample	Total/NA	Solid	8021B	31767	
LCSD 880-31767/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	31767	
890-2704-1 MS	BH01	Total/NA	Solid	8021B	31767	
890-2704-1 MSD	BH01	Total/NA	Solid	8021B	31767	

Analysis Batch: 31860

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
890-2704-1	BH01	Total/NA	Solid	Total BTEX	
890-2704-2	BH01	Total/NA	Solid	Total BTEX	
890-2704-3	BH02	Total/NA	Solid	Total BTEX	
890-2704-4	BH02	Total/NA	Solid	Total BTEX	
890-2704-5	BH03	Total/NA	Solid	Total BTEX	
890-2704-6	BH03	Total/NA	Solid	Total BTEX	
890-2704-7	BH04	Total/NA	Solid	Total BTEX	
890-2704-8	BH04	Total/NA	Solid	Total BTEX	
890-2704-9	BH05	Total/NA	Solid	Total BTEX	
890-2704-10	BH05	Total/NA	Solid	Total BTEX	
890-2704-11	BH06	Total/NA	Solid	Total BTEX	
890-2704-12	BH06	Total/NA	Solid	Total BTEX	
890-2704-13	BH07	Total/NA	Solid	Total BTEX	
890-2704-14	BH07	Total/NA	Solid	Total BTEX	
890-2704-15	BH08	Total/NA	Solid	Total BTEX	
890-2704-16	BH08	Total/NA	Solid	Total BTEX	
890-2704-17	BH09	Total/NA	Solid	Total BTEX	
890-2704-18	BH09	Total/NA	Solid	Total BTEX	

Analysis Batch: 31904

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
890-2704-8	BH04	Total/NA	Solid	8021B	31768
890-2704-9	BH05	Total/NA	Solid	8021B	31768
890-2704-10	BH05	Total/NA	Solid	8021B	31768
890-2704-11	BH06	Total/NA	Solid	8021B	31768
890-2704-12	BH06	Total/NA	Solid	8021B	31768
890-2704-13	BH07	Total/NA	Solid	8021B	31768

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Job ID: 890-2704-1

SDG: 03E1558045

Client: Ensolum Project/Site: BEU Connector PW Booster

GC VOA (Continued)

Analysis Batch: 31904 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2704-14	BH07	Total/NA	Solid	8021B	31768
890-2704-15	BH08	Total/NA	Solid	8021B	31768
890-2704-16	BH08	Total/NA	Solid	8021B	31768
890-2704-17	BH09	Total/NA	Solid	8021B	31768
890-2704-18	BH09	Total/NA	Solid	8021B	31768
MB 880-31768/5-A	Method Blank	Total/NA	Solid	8021B	31768
MB 880-31769/5-A	Method Blank	Total/NA	Solid	8021B	31769
LCS 880-31768/1-A	Lab Control Sample	Total/NA	Solid	8021B	31768
LCSD 880-31768/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	31768
890-2704-9 MS	BH05	Total/NA	Solid	8021B	31768
890-2704-9 MSD	BH05	Total/NA	Solid	8021B	31768

GC Semi VOA

Prep Batch: 31470

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
890-2704-1	BH01	Total/NA	Solid	8015NM Prep	
890-2704-2	BH01	Total/NA	Solid	8015NM Prep	
890-2704-3	BH02	Total/NA	Solid	8015NM Prep	
890-2704-4	BH02	Total/NA	Solid	8015NM Prep	
890-2704-5	BH03	Total/NA	Solid	8015NM Prep	
890-2704-6	BH03	Total/NA	Solid	8015NM Prep	
890-2704-7	BH04	Total/NA	Solid	8015NM Prep	
890-2704-8	BH04	Total/NA	Solid	8015NM Prep	
890-2704-9	BH05	Total/NA	Solid	8015NM Prep	
890-2704-10	BH05	Total/NA	Solid	8015NM Prep	
890-2704-11	BH06	Total/NA	Solid	8015NM Prep	
890-2704-12	BH06	Total/NA	Solid	8015NM Prep	
890-2704-13	BH07	Total/NA	Solid	8015NM Prep	
890-2704-14	BH07	Total/NA	Solid	8015NM Prep	
890-2704-15	BH08	Total/NA	Solid	8015NM Prep	
890-2704-16	BH08	Total/NA	Solid	8015NM Prep	
890-2704-17	BH09	Total/NA	Solid	8015NM Prep	
890-2704-18	BH09	Total/NA	Solid	8015NM Prep	
MB 880-31470/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-31470/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-31470/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-2704-1 MS	BH01	Total/NA	Solid	8015NM Prep	
890-2704-1 MSD	BH01	Total/NA	Solid	8015NM Prep	

Analysis Batch: 31531

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
890-2704-1	BH01	Total/NA	Solid	8015B NM	31470
890-2704-2	BH01	Total/NA	Solid	8015B NM	31470
890-2704-3	BH02	Total/NA	Solid	8015B NM	31470
890-2704-4	BH02	Total/NA	Solid	8015B NM	31470
890-2704-5	BH03	Total/NA	Solid	8015B NM	31470
890-2704-6	BH03	Total/NA	Solid	8015B NM	31470
890-2704-7	BH04	Total/NA	Solid	8015B NM	31470
890-2704-8	BH04	Total/NA	Solid	8015B NM	31470
890-2704-9	BH05	Total/NA	Solid	8015B NM	31470

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Job ID: 890-2704-1 SDG: 03E1558045

Client: Ensolum Project/Site: BEU Connector PW Booster

GC Semi VOA (Continued)

Analysis Batch: 31531 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2704-10	BH05	Total/NA	Solid	8015B NM	31470
890-2704-11	BH06	Total/NA	Solid	8015B NM	31470
890-2704-12	BH06	Total/NA	Solid	8015B NM	31470
890-2704-13	BH07	Total/NA	Solid	8015B NM	31470
890-2704-14	BH07	Total/NA	Solid	8015B NM	31470
890-2704-15	BH08	Total/NA	Solid	8015B NM	31470
890-2704-16	BH08	Total/NA	Solid	8015B NM	31470
890-2704-17	BH09	Total/NA	Solid	8015B NM	31470
890-2704-18	BH09	Total/NA	Solid	8015B NM	31470
MB 880-31470/1-A	Method Blank	Total/NA	Solid	8015B NM	31470
LCS 880-31470/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	31470
LCSD 880-31470/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	31470
890-2704-1 MS	BH01	Total/NA	Solid	8015B NM	31470
890-2704-1 MSD	BH01	Total/NA	Solid	8015B NM	31470

Analysis Batch: 31749

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2704-1	BH01	Total/NA	Solid	8015 NM	
890-2704-2	BH01	Total/NA	Solid	8015 NM	
890-2704-3	BH02	Total/NA	Solid	8015 NM	
890-2704-4	BH02	Total/NA	Solid	8015 NM	
890-2704-5	BH03	Total/NA	Solid	8015 NM	
890-2704-6	BH03	Total/NA	Solid	8015 NM	
890-2704-7	BH04	Total/NA	Solid	8015 NM	
890-2704-8	BH04	Total/NA	Solid	8015 NM	
890-2704-9	BH05	Total/NA	Solid	8015 NM	
890-2704-10	BH05	Total/NA	Solid	8015 NM	
890-2704-11	BH06	Total/NA	Solid	8015 NM	
890-2704-12	BH06	Total/NA	Solid	8015 NM	
890-2704-13	BH07	Total/NA	Solid	8015 NM	
890-2704-14	BH07	Total/NA	Solid	8015 NM	
890-2704-15	BH08	Total/NA	Solid	8015 NM	
890-2704-16	BH08	Total/NA	Solid	8015 NM	
890-2704-17	BH09	Total/NA	Solid	8015 NM	
890-2704-18	BH09	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 31446

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2704-1	BH01	Soluble	Solid	DI Leach	
890-2704-2	BH01	Soluble	Solid	DI Leach	
890-2704-3	BH02	Soluble	Solid	DI Leach	
890-2704-4	BH02	Soluble	Solid	DI Leach	
890-2704-5	BH03	Soluble	Solid	DI Leach	
890-2704-6	BH03	Soluble	Solid	DI Leach	
890-2704-7	BH04	Soluble	Solid	DI Leach	
890-2704-8	BH04	Soluble	Solid	DI Leach	
890-2704-9	BH05	Soluble	Solid	DI Leach	
890-2704-10	BH05	Soluble	Solid	DI Leach	
890-2704-11	BH06	Soluble	Solid	DI Leach	

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Job ID: 890-2704-1 SDG: 03E1558045

Client: Ensolum Project/Site: BEU Connector PW Booster

HPLC/IC (Continued)

Leach Batch: 31446 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2704-12	BH06	Soluble	Solid	DI Leach	
890-2704-13	BH07	Soluble	Solid	DI Leach	
890-2704-14	BH07	Soluble	Solid	DI Leach	
890-2704-15	BH08	Soluble	Solid	DI Leach	
890-2704-16	BH08	Soluble	Solid	DI Leach	
890-2704-17	BH09	Soluble	Solid	DI Leach	
890-2704-18	BH09	Soluble	Solid	DI Leach	
MB 880-31446/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-31446/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-31446/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-17639-A-1-B MS	Matrix Spike	Soluble	Solid	DI Leach	
880-17639-A-1-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	
890-2704-10 MS	BH05	Soluble	Solid	DI Leach	
890-2704-10 MSD	BH05	Soluble	Solid	DI Leach	

Analysis Batch: 31668

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
890-2704-1	BH01	Soluble	Solid	300.0	31446
890-2704-2	BH01	Soluble	Solid	300.0	31446
890-2704-3	BH02	Soluble	Solid	300.0	31446
890-2704-4	BH02	Soluble	Solid	300.0	31446
890-2704-5	BH03	Soluble	Solid	300.0	31446
890-2704-6	BH03	Soluble	Solid	300.0	31446
890-2704-7	BH04	Soluble	Solid	300.0	31446
890-2704-8	BH04	Soluble	Solid	300.0	31446
890-2704-9	BH05	Soluble	Solid	300.0	31446
890-2704-10	BH05	Soluble	Solid	300.0	31446
890-2704-11	BH06	Soluble	Solid	300.0	31446
890-2704-12	BH06	Soluble	Solid	300.0	31446
890-2704-13	BH07	Soluble	Solid	300.0	31446
890-2704-14	BH07	Soluble	Solid	300.0	31446
890-2704-15	BH08	Soluble	Solid	300.0	31446
890-2704-16	BH08	Soluble	Solid	300.0	31446
890-2704-17	BH09	Soluble	Solid	300.0	31446
890-2704-18	BH09	Soluble	Solid	300.0	31446
MB 880-31446/1-A	Method Blank	Soluble	Solid	300.0	31446
LCS 880-31446/2-A	Lab Control Sample	Soluble	Solid	300.0	31446
LCSD 880-31446/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	31446
880-17639-A-1-B MS	Matrix Spike	Soluble	Solid	300.0	31446
880-17639-A-1-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	31446
890-2704-10 MS	BH05	Soluble	Solid	300.0	31446
890-2704-10 MSD	BH05	Soluble	Solid	300.0	31446

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SDG: 03E1558045

Job ID: 890-2704-1 SDG: 03E1558045

Lab Sample ID: 890-2704-1 Matrix: Solid

Lab Sample ID: 890-2704-2

Lab Sample ID: 890-2704-3

Lab Sample ID: 890-2704-4

Matrix: Solid

Matrix: Solid

Client Sample ID: BH01 Date Collected: 08/01/22 09:00 Date Received: 08/02/22 09:53

Client: Ensolum

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	31767	08/08/22 13:00	MR	EET MID
Total/NA	Analysis	8021B		1			31850	08/10/22 07:05	MR	EET MID
Total/NA	Analysis	Total BTEX		1			31860	08/09/22 15:47	SM	EET MID
Total/NA	Analysis	8015 NM		1			31749	08/08/22 11:58	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	31470	08/04/22 09:22	DM	EET MID
Total/NA	Analysis	8015B NM		1			31531	08/05/22 12:07	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	31446	08/03/22 17:09	SMC	EET MID
Soluble	Analysis	300.0		1			31668	08/11/22 09:13	СН	EET MID

Client Sample ID: BH01

Date Collected: 08/01/22 09:15

Date Received: 08/02/22 09:53

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	31731	08/08/22 10:46	EL	EET MID
Total/NA	Analysis	8021B		1			31678	08/09/22 10:47	MR	EET MID
Total/NA	Analysis	Total BTEX		1			31860	08/09/22 15:47	SM	EET MID
Total/NA	Analysis	8015 NM		1			31749	08/08/22 11:58	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	31470	08/04/22 09:22	DM	EET MID
Total/NA	Analysis	8015B NM		1			31531	08/05/22 13:13	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	31446	08/03/22 17:09	SMC	EET MID
Soluble	Analysis	300.0		1			31668	08/11/22 09:22	СН	EET MID

Client Sample ID: BH02

Date Collected: 08/01/22 09:25

Date	Received:	08/02/22	09:53

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	31731	08/08/22 10:46	EL	EET MID
Total/NA	Analysis	8021B		1			31678	08/09/22 11:14	MR	EET MID
Total/NA	Analysis	Total BTEX		1			31860	08/09/22 15:47	SM	EET MID
Total/NA	Analysis	8015 NM		1			31749	08/08/22 11:58	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	31470	08/04/22 09:22	DM	EET MID
Total/NA	Analysis	8015B NM		1			31531	08/05/22 13:34	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	31446	08/03/22 17:09	SMC	EET MID
Soluble	Analysis	300.0		5			31668	08/11/22 09:31	СН	EET MID

Client Sample ID: BH02 Date Collected: 08/01/22 09:40 Date Received: 08/02/22 09:53

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	31731	08/08/22 10:46	EL	EET MID
Total/NA	Analysis	8021B		1			31678	08/09/22 11:40	MR	EET MID
Total/NA	Analysis	Total BTEX		1			31860	08/09/22 15:47	SM	EET MID

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Matrix: Solid

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Job ID: 890-2704-1 SDG: 03E1558045

Lab Sample ID: 890-2704-4 Matrix: Solid

Lab Sample ID: 890-2704-5

Lab Sample ID: 890-2704-6

Lab Sample ID: 890-2704-7

Matrix: Solid

Matrix: Solid

Matrix: Solid

Date Collected: 08/01/22 09:40 Date Received: 08/02/22 09:53

Client Sample ID: BH02

Client: Ensolum

	Batch	Batch		Dil	Initial	Final	nal Batch Prepared			
Ргер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			31749	08/08/22 11:58	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	31470	08/04/22 09:22	DM	EET MID
Total/NA	Analysis	8015B NM		1			31531	08/05/22 13:56	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	31446	08/03/22 17:09	SMC	EET MID
Soluble	Analysis	300.0		1			31668	08/11/22 09:40	СН	EET MID

Client Sample ID: BH03 Date Collected: 08/01/22 10:15

Date Received: 08/02/22 09:53

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	31731	08/08/22 10:46	EL	EET MID
Total/NA	Analysis	8021B		1			31678	08/09/22 12:06	MR	EET MID
Total/NA	Analysis	Total BTEX		1			31860	08/09/22 15:47	SM	EET MID
Total/NA	Analysis	8015 NM		1			31749	08/08/22 11:58	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	31470	08/04/22 09:22	DM	EET MID
Total/NA	Analysis	8015B NM		1			31531	08/05/22 14:18	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	31446	08/03/22 17:09	SMC	EET MID
Soluble	Analysis	300.0		1			31668	08/11/22 10:08	СН	EET MID

Client Sample ID: BH03

Date Collected: 08/01/22 10:25 Date Received: 08/02/22 09:53

Batch Batch Dil Initial Final Batch Prepared Prep Type Туре Method Run Factor Amount Amount Number or Analyzed Analyst Lab Total/NA Prep 5035 4.97 g 5 mL 31731 08/08/22 10:46 EL EET MID Total/NA 8021B 31678 08/09/22 12:33 MR EET MID Analysis 1 Total/NA Total BTEX Analysis 1 31860 08/09/22 15:47 SM EET MID Total/NA Analysis 8015 NM 31749 08/08/22 11:58 SM EET MID 1 31470 Total/NA Prep 8015NM Prep 10.01 g 10 mL 08/04/22 09:22 DM EET MID Total/NA Analysis 8015B NM 31531 08/05/22 14:40 SM EET MID 1 Soluble Leach DI Leach 4.98 g 50 mL 31446 08/03/22 17:09 SMC EET MID Soluble Analysis 300.0 31668 08/11/22 10:17 СН EET MID 1

Client Sample ID: BH04

Date Collected: 08/01/22 10:40 Date Received: 08/02/22 09:53

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	31731	08/08/22 10:46	EL	EET MID
Total/NA	Analysis	8021B		1			31678	08/09/22 12:59	MR	EET MID
Total/NA	Analysis	Total BTEX		1			31860	08/09/22 15:47	SM	EET MID
Total/NA	Analysis	8015 NM		1			31749	08/08/22 11:58	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	31470	08/04/22 09:22	DM	EET MID
Total/NA	Analysis	8015B NM		1			31531	08/05/22 15:01	SM	EET MID

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Lab Chronicle

Job ID: 890-2704-1 SDG: 03E1558045

Matrix: Solid

Matrix: Solid

Matrix: Solid

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Lab Sample ID: 890-2704-7

Lab Sample ID: 890-2704-8

Lab Sample ID: 890-2704-9

Client Sample ID: BH04 Date Collected: 08/01/22 10:40

Client: Ensolum

Date Received: 08/02/22 09:53

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.95 g	50 mL	31446	08/03/22 17:09	SMC	EET MID
Soluble	Analysis	300.0		5			31668	08/11/22 10:27	CH	EET MID

Client Sample ID: BH04

Date Collected: 08/01/22 10:55 Date Received: 08/02/22 09:53

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	31768	08/08/22 13:11	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	31904	08/11/22 03:28	SM	EET MID
Total/NA	Analysis	Total BTEX		1			31860	08/09/22 15:47	SM	EET MID
Total/NA	Analysis	8015 NM		1			31749	08/08/22 11:58	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	31470	08/04/22 09:22	DM	EET MID
Total/NA	Analysis	8015B NM		1			31531	08/05/22 15:23	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	31446	08/03/22 17:09	SMC	EET MID
Soluble	Analysis	300.0		1			31668	08/11/22 10:36	СН	EET MID

Client Sample ID: BH05 Date Collected: 08/01/22 12:00

Date Received: 08/02/22 09:53

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	31768	08/08/22 13:11	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	31904	08/11/22 03:07	SM	EET MID
Total/NA	Analysis	Total BTEX		1			31860	08/09/22 15:47	SM	EET MID
Total/NA	Analysis	8015 NM		1			31749	08/08/22 11:58	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	31470	08/04/22 09:22	DM	EET MID
Total/NA	Analysis	8015B NM		1			31531	08/05/22 15:45	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	31446	08/03/22 17:10	SMC	EET MID
Soluble	Analysis	300.0		10			31668	08/11/22 10:45	СН	EET MID

Client Sample ID: BH05 Date Collected: 08/01/22 12:15 Date Received: 08/02/22 09:52

Date Received: 08/02/22 09:53

Lab Sample ID: 890-2704-10

Matrix: Solid

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	31768	08/08/22 13:11	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	31904	08/11/22 03:48	SM	EET MID
Total/NA	Analysis	Total BTEX		1			31860	08/09/22 15:47	SM	EET MID
Total/NA	Analysis	8015 NM		1			31749	08/08/22 11:58	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	31470	08/04/22 09:22	DM	EET MID
Total/NA	Analysis	8015B NM		1			31531	08/05/22 16:07	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	31446	08/03/22 17:10	SMC	EET MID
Soluble	Analysis	300.0		1			31668	08/11/22 10:54	CH	EET MID

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Job ID: 890-2704-1 SDG: 03E1558045

Lab Sample ID: 890-2704-11 Matrix: Solid

Lab Sample ID: 890-2704-12

Matrix: Solid

Date Collected: 08/01/22 12:20 Date Received: 08/02/22 09:53

Client Sample ID: BH06

Client: Ensolum

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	31768	08/08/22 13:11	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	31904	08/11/22 04:09	SM	EET MID
Total/NA	Analysis	Total BTEX		1			31860	08/09/22 15:47	SM	EET MID
Total/NA	Analysis	8015 NM		1			31749	08/08/22 11:58	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	31470	08/04/22 09:22	DM	EET MID
Total/NA	Analysis	8015B NM		1			31531	08/05/22 16:50	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	31446	08/03/22 17:10	SMC	EET MID
Soluble	Analysis	300.0		1			31668	08/11/22 11:22	СН	EET MID

Client Sample ID: BH06

Date Collected: 08/01/22 12:35

Date Received: 08/02/22 09:53

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	31768	08/08/22 13:11	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	31904	08/11/22 04:29	SM	EET MID
Total/NA	Analysis	Total BTEX		1			31860	08/09/22 15:47	SM	EET MID
Total/NA	Analysis	8015 NM		1			31749	08/08/22 11:58	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	31470	08/04/22 09:22	DM	EET MID
Total/NA	Analysis	8015B NM		1			31531	08/05/22 17:11	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	31446	08/03/22 17:10	SMC	EET MID
Soluble	Analysis	300.0		1			31668	08/11/22 11:31	СН	EET MID

Client Sample ID: BH07

Date Collected: 08/01/22 12:45 Date Received: 08/02/22 09:53

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	31768	08/08/22 13:11	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	31904	08/11/22 04:49	SM	EET MID
Total/NA	Analysis	Total BTEX		1			31860	08/09/22 15:47	SM	EET MID
Total/NA	Analysis	8015 NM		1			31749	08/08/22 11:58	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	31470	08/04/22 09:22	DM	EET MID
Total/NA	Analysis	8015B NM		1			31531	08/05/22 17:33	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	31446	08/03/22 17:10	SMC	EET MID
Soluble	Analysis	300.0		1			31668	08/11/22 11:59	СН	EET MID

Client Sample ID: BH07 Date Collected: 08/01/22 13:00 Date Received: 08/02/22 09:53

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	31768	08/08/22 13:11	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	31904	08/11/22 05:10	SM	EET MID
Total/NA	Analysis	Total BTEX		1			31860	08/09/22 15:47	SM	EET MID

Eurofins Carlsbad

Matrix: Solid

Lab Sample ID: 890-2704-14

Lab Sample ID: 890-2704-13 Matrix: Solid

Job ID: 890-2704-1 SDG: 03E1558045

Lab Sample ID: 890-2704-14

Lab Sample ID: 890-2704-15

Matrix: Solid

Matrix: Solid

Matrix: Solid

Matrix: Solid

Date Collected: 08/01/22 13:00 Date Received: 08/02/22 09:53

Client Sample ID: BH07

Client: Ensolum

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			31749	08/08/22 11:58	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	31470	08/04/22 09:22	DM	EET MID
Total/NA	Analysis	8015B NM		1			31531	08/05/22 17:55	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	31446	08/03/22 17:10	SMC	EET MID
Soluble	Analysis	300.0		1			31668	08/11/22 12:08	СН	EET MID

Client Sample ID: BH08 Date Collected: 08/01/22 14:00

Date Received: 08/02/22 09:53

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	31768	08/08/22 13:11	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	31904	08/11/22 05:30	SM	EET MID
Total/NA	Analysis	Total BTEX		1			31860	08/09/22 15:47	SM	EET MID
Total/NA	Analysis	8015 NM		1			31749	08/08/22 11:58	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	31470	08/04/22 09:22	DM	EET MID
Total/NA	Analysis	8015B NM		1			31531	08/05/22 18:16	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	31446	08/03/22 17:10	SMC	EET MID
Soluble	Analysis	300.0		1			31668	08/11/22 12:17	СН	EET MID

Client Sample ID: BH08

Date Collected: 08/01/22 14:15 Date Received: 08/02/22 09:53

Batch Batch Dil Initial Final Batch Prepared Prep Type Туре Method Run Factor Amount Amount Number or Analyzed Analyst Lab Total/NA Prep 5035 4.97 g 5 mL 31768 08/08/22 13:11 MR EET MID Total/NA 8021B 5 mL 5 mL 31904 08/11/22 05:51 SM EET MID Analysis 1 Total/NA Total BTEX Analysis 1 31860 08/09/22 15:47 SM EET MID Total/NA Analysis 8015 NM 31749 08/08/22 11:58 SM EET MID 1 Total/NA Prep 8015NM Prep 10.02 g 10 mL 31470 08/04/22 09:22 DM EET MID Total/NA Analysis 8015B NM 31531 08/05/22 18:38 SM EET MID 1 Soluble Leach DI Leach 4.99 g 50 mL 31446 08/03/22 17:10 SMC EET MID Soluble Analysis 300.0 31668 08/11/22 12:27 СН EET MID 1

Client Sample ID: BH09

Date Collected: 08/01/22 13:30 Date Received: 08/02/22 09:53

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	31768	08/08/22 13:11	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	31904	08/11/22 06:11	SM	EET MID
Total/NA	Analysis	Total BTEX		1			31860	08/09/22 15:47	SM	EET MID
Total/NA	Analysis	8015 NM		1			31749	08/08/22 11:58	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	31470	08/04/22 09:22	DM	EET MID
Total/NA	Analysis	8015B NM		1			31531	08/05/22 19:00	SM	EET MID

Eurofins Carlsbad

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Lab Sample ID: 890-2704-16

Lab Sample ID: 890-2704-17

Released to Imaging: 6/25/2024 8:06:17 AM

Lab Chronicle

Job ID: 890-2704-1 SDG: 03E1558045

Client Sample ID: BH09

Client: Ensolum

Date Collected: 08/01/22 13:30 Date Received: 08/02/22 09:53

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.01 g	50 mL	31446	08/03/22 17:10	SMC	EET MID
Soluble	Analysis	300.0		5			31668	08/11/22 12:36	СН	EET MID

Client Sample ID: BH09

Date Collected: 08/01/22 13:40 Date Received: 08/02/22 09:53

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	31768	08/08/22 13:11	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	31904	08/11/22 08:01	SM	EET MID
Total/NA	Analysis	Total BTEX		1			31860	08/09/22 15:47	SM	EET MID
Total/NA	Analysis	8015 NM		1			31749	08/08/22 11:58	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	31470	08/04/22 09:22	DM	EET MID
Total/NA	Analysis	8015B NM		1			31531	08/05/22 19:22	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	31446	08/03/22 17:10	SMC	EET MID
Soluble	Analysis	300.0		1			31668	08/11/22 12:45	СН	EET MID

Laboratory References:

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

G: 03E1558045

Matrix: Solid

Lab Sample ID: 890-2704-17 Matrix: Solid

Lab Sample ID: 890-2704-18

		Accreditation/Co	ertification Summary		
Client: Ensolum Project/Site: BEU Conn	nector PW Booster			Job ID: 890-2704-1 SDG: 03E1558045	2
Laboratory: Eurofi					
Unless otherwise noted, all a	nalytes for this laboratory	were covered under each acc	reditation/certification below.		
Authority		Program	Identification Number	Expiration Date	
Texas		NELAP	T104704400-22-24	06-30-23	E
		t, but the laboratory is not certif	ied by the governing authority. This list ma	ay include analytes for which	5
the agency does not off Analysis Method	fer certification. Prep Method	Matrix	Analyte		
8015 NM		Solid	Total TPH		
Total BTEX		Solid	Total BTEX		
					8
					9
					10
					11
					13
					14

Eurofins Carlsbad

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Client: Ensolum

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Job ID: 890-2704-1 SDG: 03E1558045

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	MCAWW	EET MID
5035	Closed System Purge and Trap	SW846	EET MID
8015NM Prep	Microextraction	SW846	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID
Protocol Refe	rences:		
ASTM = A	STM International		
MCAWW =	"Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, Ma	arch 1983 And Subsequent Revisions.	
SW846 = '	Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Ed	lition, November 1986 And Its Updates.	
TAL SOP =	TestAmerica Laboratories, Standard Operating Procedure		
Laboratory Re	ferences:		
EET MID =	Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440		

Laboratory References:

Eurofins Carlsbad

Released to Imaging: 6/25/2024 8:06:17 AM

Sample Summary

Client: Ensolum Project/Site: BEU Connector PW Booster

_ab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth	
390-2704-1	BH01	Solid	08/01/22 09:00	08/02/22 09:53	1'	
390-2704-2	BH01	Solid	08/01/22 09:15	08/02/22 09:53	4'	
390-2704-3	BH02	Solid	08/01/22 09:25	08/02/22 09:53	1'	E
390-2704-4	BH02	Solid	08/01/22 09:40	08/02/22 09:53	4'	
390-2704-5	BH03	Solid	08/01/22 10:15	08/02/22 09:53	2'	
390-2704-6	BH03	Solid	08/01/22 10:25	08/02/22 09:53	4'	
90-2704-7	BH04	Solid	08/01/22 10:40	08/02/22 09:53	1'	
90-2704-8	BH04	Solid	08/01/22 10:55	08/02/22 09:53	4'	
90-2704-9	BH05	Solid	08/01/22 12:00	08/02/22 09:53	1'	
90-2704-10	BH05	Solid	08/01/22 12:15	08/02/22 09:53	4'	8
90-2704-11	BH06	Solid	08/01/22 12:20	08/02/22 09:53	1'	
90-2704-12	BH06	Solid	08/01/22 12:35	08/02/22 09:53	4'	9
90-2704-13	BH07	Solid	08/01/22 12:45	08/02/22 09:53	1'	
90-2704-14	BH07	Solid	08/01/22 13:00	08/02/22 09:53	4'	
90-2704-15	BH08	Solid	08/01/22 14:00	08/02/22 09:53	1'	
90-2704-16	BH08	Solid	08/01/22 14:15	08/02/22 09:53	4'	
90-2704-17	BH09	Solid	08/01/22 13:30	08/02/22 09:53	1'	
90-2704-18	BH09	Solid	08/01/22 13:40	08/02/22 09:53	4'	1

							,-									Valant	Work Order	Work Order Comments	5
Floject manager. 1 a	I acollia iviollissey				Dill IO. (il dilleterit)										TDet [Dessu	nfiolde	
Company Name: En	Ensolum				Company Maine.	ditte.	>												1
	3122 National Parks Hwy	Irks Hv	V		Address:		310-	4 East G	3104 East Green St.				State	State of Project:	Ĥ]]	
te ZIP:	Carlsbad, NM 88220	220			City, State ZIP:	IP:	Carl	sbad, N	Carlsbad, NM 88220				Repo	ting: Lev		Level III	PS	Reporting: Level II Level III L PST/UST TRRP	TR
	337.257.8307			Email:	tmorrissey@ensolum.com	Qenso	um.coi	B					Delive	Deliverables: EDD	EDD		ADaPT		Other:
Name:	BEU Connector PW Booster	or PW	Booster	Turn	Turn Around	_	-				AN	ANALYSIS RE	REQUEST					Preservative Codes	sen
97.	03E1558045	58045		 Routine 	Rush	Pres. Code	de .8											None: NO	0
Project Location:				Due Date:												-		Cool: Cool	0
Sampler's Name:	Conner Shore	. Shore		TAT starts the day received by	day received	φ.		_		_					-	-		HCL: HC	
PO #				the lab, if received by 4:30pm	eived by 4:30													H ₂ S0 ₄ : H ₂	2
SAMPLE RECEIPT	Temp Blank:	_	Yes No	Wet Ice:	(Yes No	nete												H ₃ PO ₄ : HP	Þ
Samples Received Intact:			Thermometer ID:	r ID:	VIN DOJ	L												NaHSO4: NABIS	NAE
Cooler Custody Seals:	Yes No/	TATA	Correction Factor:	actor:	-0.0	Γ.					890-27	890-2704 Chain of Custody	Custody					Na2S2U3: NASU3	Nas
Sample Custody Seals:	No	NIA	Temperature Reading:	Reading:	6.0	<u> </u>	S (E	-	1	-						.4		Zn Acetate+NaOH: Zn	te+Na
Total Containers:		(Corrected Temperature:	mperature:	5.0	L	IDE	015)	8021									NaOH+Ascorbic Acid: SAPC	scorb
Sample Identification		Matrix	Date Sampled	Time Sampled	Depth Co	Grab/ # of Comp Cont	THLOF	TPH (8	BTEX (San	Sample Comments
BH01		s (08.01.22	006	1.	G 	×	×	×		-				-	+		nAPP2213151424	1315
BH01		s	08.01.22	915	4	G 1	×	×	×						-	\vdash		T	
BH02		s	08.01.22	925		G 1	×	×	×		\vdash				-	+		Cost Center: 1081711001	nter:
BH02		s (08.01.22	940	4	G 1	×	×	×		-					-			1
BH03		s	08.01.22	1015	2 ⁱ	G 1	×	×	×	_	-				-	-		AFE:	
BH03		s	08.01.22	1025	4	G 1	×	×	×		-				╞	┝			
BH04		s	08.01.22	1040		G 1	×	×	×		\vdash				╞	┝	1	API: 30-015-40660	015-4
BH04		s	08.01.22	1055	4'	G	×	×	×		-		-		+	┝	T		
BH05		s	08.01.22	1200		G 	×	×	×		╀		+		-	╀	1		
BH05		s	08.01.22	1215	4	G 1	×	×	×	-	-		-						
Total 200.7 / 6010	200.8 / 6020:	20:	8	8RCRA 13PPM	PM Texas 11	s 11 AI	I Sb As	Ва	Be B	Cd Ca	Cr Co	Cu Fe Pb	Mg Mn	Mo	NKS	Se Ag	SiO ₂ N	Na Sr TI S	Sn U
Circle Method(s) and Metal(s) to be analyzed	Metal(s) to be	analyz	ed	TCLP / S	TCLP / SPLP 6010: 8RCRA	8RCR	A Sb	As Ba	Be C		o Cu	Sb As Ba Be Cd Cr Co Cu Pb Mn Mo	Mo Ni Se Ag	Ag TI U	C	Нg	1631	Hg: 1631 / 245.1 / 7470	470
Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from cilent company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the cilent if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated	ument and relinquis till be liable only for m charge of \$85.00	hment o the cost will be a	f samples cons of samples an pplied to each	stitutes a valid p d shall not assu project and a cl	urchase order ime any respo harge of \$5 for	from cile nsibility for each san	nt compa or any loa pple subr	iny to Eu ises or ex nitted to f	ofins Xen penses ir urofins X	co, its aff icurred b enco, but	lliates an / the clier not analy	d subcontractors It if such losses : /zed. These term	s. It assig are due to is will be e	is standa circumst nforced u	d terms Inces bey niess pre	and condi ond the c viously ne	ions ontrol gotiated.		
Relinquished by: (Signature)	Signature)		Received/by:	d/þy: (Signature)	ture)	_	Dat	Date/Time		Relir	quishe	Relinquished by: (Signa:	ignature)		Receive	Received by: (Signature)	ignatu	ire)	
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Environment Testing

Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300 Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334 EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296

Work Order No:

Project Manager. Tacoma Morrissey Bill to: (if different) Garret Green Company Name: Sarret Green Company Name: Str0 Energy 317 257 3907 Carlsbad, NM 85220 City, State ZIP: Carlsbad, NM 85220 City, State ZIP: Carlsbad, NM 85220 Email: Imorrissey@ensolum.com 3104 East Green Project Number: 337.257.8307 Email: Turn Around Press Garlet Store City, State ZIP: Carlsbad, NM 85220 Email: Imorrissey@ensolum.com Project Number: 037.257.8307 Turn Around Press Garlet Green Garlet Green Samples Name: Connel Shore TAT starts the day received by 4.30pm Press No Free Free Free Free Free Samples Interceived by 4.30pm Press No Corrected Temperature: Free Free Sample Interceived by 4.30pm Press No Free Sample Containers: Yes No Corrected Temperature: Free Sample Containers: Sample Containers: Sample Containers: Sample Containers: Sample Cont Sample Cont Sample Cont Sample Cont Sample Cont Sample Co	Project Manager: Tacoma Morrissey Bill to: (if different) Garret G Company Name: S122 National Parks Hwy Company Name: Company Name: 314 Eas Ny, Stale ZIP: Carlsbad, NM 8220 Email: Company Name: 314 Eas Project Name: BEU Connector PW Booster Turn Around Pres. Carlsbad Project Number: 032:1558045 Due Date City, Stale ZIP: Carlsbad Project Number: 032:1558045 Due Date Pres. Configer Rourine Rourine Rourine Pres. Toget Location: Conner Shore Trans the day received by 4:30pm But Date Thermometer ID: Due Date Rourine Rourine <t< th=""><th>🍀 eurofins</th><th></th><th>vironn</th><th>Environment Testing Xenco</th><th>sting</th><th>-</th><th>Hous Midland EL Pa Hobbs</th><th>C ton, TX TX (4: So, TX (4:</th><th>1air (281) 2 (281) 2 (915) 58 (915) 58</th><th>-54</th><th>-420 40, 5 3443</th><th>of Cus -4200, Dallas, 40, San Anton 3443, Lubbock 550, Carlsbad,</th><th>of Custod 4200, Dallas, TX (214 40, San Antonio, TX (2 3443, Lubbock, TX (80 550, Carlsbad, NM (57)</th><th>Chain of Custody TX (281) 240-4200, Dallas, TX (214) 902-0300 X (432) 704-5440, San Antonio, TX (210) 509-33 TX (915) 585-3443, Lubbock, TX (806) 794-128 TX (915) 392-7550, Carlsbad, NM (575) 988-319 M (575) 392-7550, Carlsbad, NM (575) 988-319</th><th>Chain of Custody Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300 Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334 EL Paso, TX (915) 585-3443, Lubbock, TX (806) 784-1296 Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199</th><th>of Custody -4200, Dallas, TX (214) 902-0300 40, San Antonio, TX (210) 509-3334 3443, Lubbock, TX (806) 794-1296 550, Carlsbad, NM (575) 988-3199</th><th>of Custody -4200, Dallas, TX (214) 902-0300 40, San Antonio, TX (210) 509-3334 3443, Lubbock, TX (806) 794-1296 550, Carlsbad, NM (575) 988-3199</th><th>Wor</th><th>Wor</th><th>Wor</th></t<>	🍀 eurofins		vironn	Environment Testing Xenco	sting	-	Hous Midland EL Pa Hobbs	C ton, TX TX (4: So, TX (4:	1air (281) 2 (281) 2 (915) 58 (915) 58	-54	-420 40, 5 3443	of Cus -4200, Dallas, 40, San Anton 3443, Lubbock 550, Carlsbad,	of Custod 4200, Dallas, TX (214 40, San Antonio, TX (2 3443, Lubbock, TX (80 550, Carlsbad, NM (57)	Chain of Custody TX (281) 240-4200, Dallas, TX (214) 902-0300 X (432) 704-5440, San Antonio, TX (210) 509-33 TX (915) 585-3443, Lubbock, TX (806) 794-128 TX (915) 392-7550, Carlsbad, NM (575) 988-319 M (575) 392-7550, Carlsbad, NM (575) 988-319	Chain of Custody Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300 Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334 EL Paso, TX (915) 585-3443, Lubbock, TX (806) 784-1296 Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199	of Custody -4200, Dallas, TX (214) 902-0300 40, San Antonio, TX (210) 509-3334 3443, Lubbock, TX (806) 794-1296 550, Carlsbad, NM (575) 988-3199	of Custody -4200, Dallas, TX (214) 902-0300 40, San Antonio, TX (210) 509-3334 3443, Lubbock, TX (806) 794-1296 550, Carlsbad, NM (575) 988-3199	Wor	Wor	Wor
ane: Ensolum Company Name: XTO Energy 3122 National Parks Hwy Address: 310 East Green St. 337.257.307 Email: Imorrissey@ensolum.com arme: BEU Connector PW Booster Turn Around Carlsbad. NM 88220 ber: 03E1568045 Due Date: Imorrissey@ensolum.com coived Intact: Yes No Turn Around Freewide by 4.30pm coived Intact: Yes No Wet Ice: Yes No RECEIPT Temp Blank: Yes Ves Ice: Yes Parameters coived Intact: Yes No Thermometer Diversition Parameters BH06 \$ 0801.22 1220 1' G 1 x x BH07 \$ 0801.22 1230 1' G 1 x x x BH08 \$ 0801.22 1300 1' G 1 x x x BH08 \$ 0801.22 1300 1' A x x x BH09 \$ 0801.22 1300 1' A x x x BH09 \$ 0801.22 1300 1' A	ane: Ensolum Company Name: XTO Energy ip: Carlsbad, NM 88220 City, State ZIP. Stote East Green ip: Carlsbad, NM 88220 City, State ZIP. Stote East Green ib: 337.257.8307 Email: Imorrissey@ensolum.com ib: Stote East Green Stote East Green Stote East Green ib: Stote East Green Turn Around essolution: Carlsbad, NM 88 ib: Connector PW Booster Turn Around essolution: Carlsbad, NM 88 ib: Connector PW Booster Turn Around essolution: Carlsbad, NM 88 ib: Conner Shore Turn Around essolution: freewood by 4.30pm received Intact: Yes No Wet Ice: Yes freewood by 4.30pm received Intact: Yes No Carlsbad, NM 88 freewood by 4.30pm received Intact: Yes No Carlsbad, Carlsbad, NM 88 freewood by 4.30pm received Intact: Yes No Carlsbad, Stote Interceived by 4.30pm freewood by 4.30pm received Intact: Yes No Carlsbad, Stote Interceived by 4.30pm freewood by 4.30pm received Intact: Yes No Carlsbad, Carlsbad, Stote Interceived by 4.30p		Ame Morriss	PV I			Rill to: (if different		Garret	t Gree								WWW	Work OI	Work Order Comments
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cartsbad, NM 88220 cliv, State ZIP: Name: BEU Connector PW Booster Turn Around Pran. Number: 03E1558045 I Routine Imorrissey@ensolut Location: Conner Shore Tra suts the day received by 4.30pm Tra suts the day received by 4.30pm Pres. No Thermometer/ID: Ves No Wet Ice: Yes Yes No Seceived Intact: Yes No Thermometer/ID: Ves No Thermometer/ID: Pran. Custody Seals: Yes No NA Consection Factor: Pres. Pres. Custody Seals: Yes No Natrix Sampled Sampled Grab # of Sample Identification Matrix Sampled Sol 08.01.22 1220 1' G 1 BH06 s 08.01.22 1235 4' G 1 G 1 BH07 s 08.01.22 1330 1' G 1 G 1 BH08 s 08.01.22 1330 1' G 1 G 1 BH08 s 08.01.22 1330 1' G 1 G 1 <tr< td=""><td>Diny, State ZIP: Cartsbad, NM 88220 Email: Immorits sey@ensolum.com Phone: 337.257.8307 Email: Immorits sey@ensolum.com Project Name: BEU Connector PW Booster Turn Around reaction: Conner Shore Project Name: 03F.1558045 Immorits sey@ensolum.com Routine Rush Project Name: Conner Shore TAT starts the day received by Some Starts the day received by Or#: Conner Shore TAT starts the day received by Some Starts the day received by Or#: Conner Shore TAT starts the day received by Some Or#: Conner Shore TAT starts the day received by Some Or#: Conner Shore TAT starts the day received by Some Or#: Conner Shore TAT starts the day received by Some Or#: Conner Shore TAT starts the day received by Some Or#: Conner Shore TAT starts the day received by Some Or#: Ves No Wet toe: Yes No Or#: Some No Corrected Temperature Parameters Sample Laentification Matrix Sampled Some Corrected Temperature Cont BH08</td><td></td><td>2 National Pa</td><td>arks Hw</td><td>~</td><td></td><td>Address</td><td>S.</td><td></td><td>3104 E</td><td>East Gi</td><td>een (</td><td>St.</td><td>St.</td><td>St.</td><td>St.</td><td></td><td></td><td>St. State of Project:</td><td></td><td></td></tr<>	Diny, State ZIP: Cartsbad, NM 88220 Email: Immorits sey@ensolum.com Phone: 337.257.8307 Email: Immorits sey@ensolum.com Project Name: BEU Connector PW Booster Turn Around reaction: Conner Shore Project Name: 03F.1558045 Immorits sey@ensolum.com Routine Rush Project Name: Conner Shore TAT starts the day received by Some Starts the day received by Or#: Conner Shore TAT starts the day received by Some Starts the day received by Or#: Conner Shore TAT starts the day received by Some Or#: Conner Shore TAT starts the day received by Some Or#: Conner Shore TAT starts the day received by Some Or#: Conner Shore TAT starts the day received by Some Or#: Conner Shore TAT starts the day received by Some Or#: Conner Shore TAT starts the day received by Some Or#: Ves No Wet toe: Yes No Or#: Some No Corrected Temperature Parameters Sample Laentification Matrix Sampled Some Corrected Temperature Cont BH08		2 National Pa	arks Hw	~		Address	S.		3104 E	East Gi	een (St.	St.	St.	St.			St. State of Project:		
Phone: 337.257.8307 Email: Immorrissey@ensolum.com Project Name: BEU Connector PW Boster Turn Around Project Location: Turn Around Project Location: Final Connect Shore Turn Around Project Name: Conner Shore Turn Around Project Name: Conner Shore TAT starts the day received by PO # Project Name: Conner Shore TAT starts the day received by the lab. if received by 4.30pm SAMPLE RECEIPT Temp Blank: Yes No Thermometer ID: Contracted Temperature Yes No Contracted Seals: Yes No Thermometer ID: Contracted Temperature Parameters Sample Custody Seals: Yes No Thermometer ID: Contracted Temperature Parameters BH06 \$ 08.01.22 1220 1' G 1 X X X BH07 \$ 08.01.22 1235 4' G 1 X X X X X X X X X X X X X X X X X X X	hone: 337.257.8307 Email: Immorrissey@ensolum com roject Name: 037.257.8307 Email: Immorrissey@ensolum com roject Number: 037.257.8307 Enail: Fraumation Pres. roject Location: 037.257.8307 Enail: Fraumation Pres. Pres. ampler Received Intact: Conner Shore TAT starts the day received by TAT starts the day received by Pres. Pres. 0.# Conner Shore Them bit if received by TAT starts the day received by Pres. Pres. <t< td=""><td></td><td>Isbad, NM 88</td><td>220</td><td></td><td></td><td>City, St</td><td>ate ZIP:</td><td></td><td>Cartsb</td><td>ad, NN</td><td>38 1</td><td>3220</td><td>3220</td><td>3220</td><td>3220</td><td></td><td></td><td></td><td></td><td>Reporting: Level II Level III</td></t<>		Isbad, NM 88	220			City, St	ate ZIP:		Cartsb	ad, NN	38 1	3220	3220	3220	3220					Reporting: Level II Level III
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Job Number: 890-2704-1 SDG Number: 03E1558045

List Source: Eurofins Carlsbad

Login Sample Receipt Checklist

Client: Ensolum

Login Number: 2704 List Number: 1 Creator: Clifton, Cloe

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
s the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	

N/A

Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").

14

Job Number: 890-2704-1 SDG Number: 03E1558045

List Source: Eurofins Midland

List Creation: 08/03/22 10:15 AM

Login Sample Receipt Checklist

Client: Ensolum

Login Number: 2704 List Number: 2 Creator: Rodriguez, Leticia

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is	N/A	

Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").
Received by OCD: 6/13/2024 4:28:20 PM

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Environment Testing America

ANALYTICAL REPORT

Eurofins Carlsbad 1089 N Canal St. Carlsbad, NM 88220 Tel: (575)988-3199

Laboratory Job ID: 890-2380-1

Laboratory Sample Delivery Group: 03E1558045 Client Project/Site: BEU Connector PW Booster Revision: 1

For:

Ensolum 705 W. Wadley Suite 210 Midland, Texas 79701

Attn: Ben Belill

RAMER

Authorized for release by: 10/10/2022 3:17:14 PM

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This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Laboratory Job ID: 890-2380-1

SDG: 03E1558045

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	Definitions/Glossary	1
Client: Ensolu	····	
Project/Site: E	BEU Connector PW Booster SDG: 03E155804	5 2
Qualifiers		- 3
GC VOA		
Qualifier	Qualifier Description	4
F1	MS and/or MSD recovery exceeds control limits.	_
U	Indicates the analyte was analyzed for but not detected.	5
GC Semi VO	Α	
Qualifier	Qualifier Description	
U	Indicates the analyte was analyzed for but not detected.	-
HPLC/IC		
Qualifier	Qualifier Description	
U	Indicates the analyte was analyzed for but not detected.	- 8
Glossary		-
Abbreviation	These commonly used abbreviations may or may not be present in this report.	
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis	- 10
%R	Percent Recovery	
CFL	Contains Free Liquid	
CFU	Colony Forming Unit	
CNF	Contains No Free Liquid	
DER	Duplicate Error Ratio (normalized absolute difference)	
Dil Fac	Dilution Factor	
DL	Detection Limit (DoD/DOE)	
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample	
DLC	Decision Level Concentration (Radiochemistry)	
EDL	Estimated Detection Limit (Dioxin)	
LOD	Limit of Detection (DoD/DOE)	
LOQ	Limit of Quantitation (DoD/DOE)	
MCL	EPA recommended "Maximum Contaminant Level"	
MDA	Minimum Detectable Activity (Radiochemistry)	

- MDC Minimum Detectable Concentration (Radiochemistry)
- MDL Method Detection Limit ML Minimum Level (Dioxin)
- MPNMost Probable NumberMQLMethod Quantitation Limit
- NCNot CalculatedNDNot Detected at the report
- ND
 Not Detected at the reporting limit (or MDL or EDL if shown)

 NEG
 Negative / Absent
- POS Positive / Present
- PQL Practical Quantitation Limit
- PRES Presumptive
- QCQuality ControlRERRelative Error Ratio (Radiochemistry)
- RL Reporting Limit or Requested Limit (Radiochemistry)
- RPD Relative Percent Difference, a measure of the relative difference between two points
- TEF Toxicity Equivalent Factor (Dioxin)
- TEQ Toxicity Equivalent Quotient (Dioxin)
- TNTC Too Numerous To Count

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Job ID: 890-2380-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative 890-2380-1

REVISION

The report being provided is a revision of the original report sent on 6/10/2022. The report (revision 1) is being revised due to Per client email, requesting sample ID changes.

Report revision history

Receipt

The samples were received on 6/6/2022 12:24 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 29.4°C

GC VOA

Method 8021B: The matrix spike (MS) recoveries for preparation batch 880-27017 and analytical batch 880-26971 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC Semi VOA

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

HPLC/IC

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Job ID: 890-2380-1 SDG: 03E1558045

Client: Ensolum Project/Site: BEU Connector PW Booster

Client Sample ID: SS06 Date Collected: 06/06/22 08:25

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	< 0.00199	U	0.00199	mg/Kg		06/07/22 14:58	06/08/22 01:32	1
Toluene	<0.00199	U	0.00199	mg/Kg		06/07/22 14:58	06/08/22 01:32	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		06/07/22 14:58	06/08/22 01:32	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		06/07/22 14:58	06/08/22 01:32	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		06/07/22 14:58	06/08/22 01:32	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		06/07/22 14:58	06/08/22 01:32	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130			06/07/22 14:58	06/08/22 01:32	1
1,4-Difluorobenzene (Surr)	97		70 - 130			06/07/22 14:58	06/08/22 01:32	1

Method: TAL SOP Total BTEX	- Total BTEX	(Calculat	ion					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			06/08/22 15:52	1
_								

Method: SW846 8015 NM - Die	esel Range C	Drganics (D	RO) (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Total TPH	<49.9	U	49.9	mg/Kg			06/10/22 09:57	1	

Method: SW846 8015B NM - D	Diesel Range	• Organics	(DRO) (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		06/08/22 17:15	06/09/22 11:31	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		06/08/22 17:15	06/09/22 11:31	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		06/08/22 17:15	06/09/22 11:31	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	113		70 - 130			06/08/22 17:15	06/09/22 11:31	1
o-Terphenyl	111		70 - 130			06/08/22 17:15	06/09/22 11:31	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble							
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6310	49.8	mg/Kg			06/09/22 22:16	10

Client Sample ID: SS07 Date Collected: 06/06/22 08:30 Date Received: 06/06/22 12:24 Sample Depth: 0.5'

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		06/07/22 14:58	06/08/22 01:52	1
Toluene	<0.00199	U	0.00199	mg/Kg		06/07/22 14:58	06/08/22 01:52	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		06/07/22 14:58	06/08/22 01:52	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		06/07/22 14:58	06/08/22 01:52	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		06/07/22 14:58	06/08/22 01:52	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		06/07/22 14:58	06/08/22 01:52	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130			06/07/22 14:58	06/08/22 01:52	1

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Job ID: 890-2380-1 SDG: 03E1558045

Lab Sample ID: 890-2380-1

Matrix: Solid

Matrix: Solid

Lab Sample ID: 890-2380-2

Limits

70 - 130

0.00398

RL

RL

RL

50.0

50.0

50.0

Limits 70 - 130

70 - 130

50.0

Unit

Unit

Unit

mg/Kg

mg/Kg

mg/Kg

. . . .

mg/Kg

mg/Kg

Client: Ensolum Project/Site: BEU Connector PW Booster

Client Sample ID: SS07

Surrogate

Analyte

Analyte

Analyte

C10-C28)

Surrogate

o-Terphenyl

1-Chlorooctane

(GRO)-C6-C10

Total TPH

Total BTEX

1,4-Difluorobenzene (Surr)

Gasoline Range Organics

Diesel Range Organics (Over

Oll Range Organics (Over C28-C36)

Date Collected: 06/06/22 08:30 Date Received: 06/06/22 12:24 Sample Depth: 0.5'

Lab Sample ID: 890-2380-2

Analyzed

Analyzed

06/08/22 15:52

Analyzed

06/10/22 09:57

Analyzed

06/07/22 14:58 06/08/22 01:52

Prepared

Prepared

Prepared

Prenared

D

D

п

Matrix: Solid

Dil Fac

Dil Fac

Dil Fac

Dil Fac

1

ricpurcu	Analyzou	
 06/08/22 17:15	06/09/22 12:34	1
06/08/22 17:15	06/09/22 12:34	1
06/08/22 17:15	06/09/22 12:34	1
Prepared	Analyzed	Dil Fac
	Analyzed 06/09/22 12:34	Dil Fac
06/08/22 17:15		Dil Fac 1 1

Lab Sample ID: 890-2380-3

Matrix: Solid

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Method: SW846 8021B - Volatile Organic Compounds (GC) (Continued)

Method: TAL SOP Total BTEX - Total BTEX Calculation

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

%Recovery Qualifier

Result Qualifier

Result Qualifier

Result Qualifier

<50.0 U

<50.0 U

<50.0 U

<50.0 U

%Recovery Qualifier

85 85

99

<0.00398 U

Analyte	Result	Qualifier	RL	Unit	U	Prepared	Analyzed	DilFac
Chloride	17.3		4.96	mg/Kg	1		06/09/22 22:25	1

Client Sample ID: SS08 Date Collected: 06/06/22 08:35 Date Received: 06/06/22 12:24

Sample Depth: 0.5'

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198	mg/Kg		06/07/22 14:58	06/08/22 02:12	1
Toluene	<0.00198	U	0.00198	mg/Kg		06/07/22 14:58	06/08/22 02:12	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		06/07/22 14:58	06/08/22 02:12	1
m-Xylene & p-Xylene	<0.00397	U	0.00397	mg/Kg		06/07/22 14:58	06/08/22 02:12	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		06/07/22 14:58	06/08/22 02:12	1
Xylenes, Total	<0.00397	U	0.00397	mg/Kg		06/07/22 14:58	06/08/22 02:12	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)			70 - 130			06/07/22 14:58	06/08/22 02:12	1
1,4-Difluorobenzene (Surr)	100		70 - 130			06/07/22 14:58	06/08/22 02:12	1
Method: TAL SOP Total BT	EX - Total BTE	X Calculat	ion					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397	mg/Kg			06/08/22 15:52	1
Method: SW846 8015 NM -	Diesel Range	Organics (DRO) (GC)					
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
,								

/g 06/10/22 09:57

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Client: Ensolum Project/Site: BEU Connector PW Booster

Client Sample ID: SS08 Date Collected: 06/06/22 08:35

Date Received: 06/06/22 12:24 Sample Dopth: 0.5

ample Depth: 0.5										
Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)										
Analyte	Result	Qualifier	RL							
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0							
Disas Dange Organice (Over	~50.0	11	50.0							

	0-C28) Range Organics (Over C28-C36)	<50.0 U	50.0	mg/Kg	06/08/22 17:15	06/09/22 12:55	1
Sı	rrogate	%Recovery Qua	lifier Limits		Prepared	Analyzed	Dil Fac
	rrogate Chlorooctane	<u>%Recovery</u> Qua	Limits 70 - 130			Analyzed 06/09/22 12:55	Dil Fac

Unit

mg/Kg

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	16.2	4.99	mg/Kg			06/09/22 22:53	1

Client Sample ID: SS09

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Date Collected: 06/06/22 08:40 Date Received: 06/06/22 12:24 Sample Depth: 0.5'

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		06/07/22 14:58	06/08/22 02:33	1
Toluene	<0.00200	U	0.00200	mg/Kg		06/07/22 14:58	06/08/22 02:33	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		06/07/22 14:58	06/08/22 02:33	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		06/07/22 14:58	06/08/22 02:33	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		06/07/22 14:58	06/08/22 02:33	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		06/07/22 14:58	06/08/22 02:33	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)			70 - 130			06/07/22 14:58	06/08/22 02:33	1
1,4-Difluorobenzene (Surr)	92		70 - 130			06/07/22 14:58	06/08/22 02:33	1
Method: TAL SOP Total BT	EX - Total BTEX	(Calculat	ion					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	< 0.00399	U	0.00399	mg/Kg			06/08/22 15:52	1

Analyte **Result Qualifier** RL Unit Prepared Analyzed Dil Fac D Total TPH <50.0 U 50.0 mg/Kg 06/10/22 09:57 1

Method: SW846 8015B NM - E	Diesel Range	Organics	(DRO) (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		06/08/22 17:15	06/09/22 13:16	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		06/08/22 17:15	06/09/22 13:16	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		06/08/22 17:15	06/09/22 13:16	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	106		70 - 130			06/08/22 17:15	06/09/22 13:16	1
o-Terphenyl	102		70 - 130			06/08/22 17:15	06/09/22 13:16	1

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Job ID: 890-2380-1 SDG: 03E1558045

Lab Sample ID: 890-2380-3

Analyzed

Lab Sample ID: 890-2380-4

Prepared

06/08/22 17:15 06/09/22 12:55

D

Matrix: Solid

Dil Fac

1

Matrix: Solid

Job ID: 890-2380-1

SDG: 03E1558045

Matrix: Solid

Lab Sample ID: 890-2380-4

Client Sample Results

Client: Ensolum Project/Site: BEU Connector PW Booster

Client Sample ID: SS09 Date Collected: 06/06/22 08:40

Method: MCAWW 300.0 - Ani	ons, Ion Chr	omatograph	iy - Soluble					
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3970		24.9	mg/Kg			06/09/22 23:02	
Client Sample ID: SS04						Lab Sam	ole ID: 890-2	2380-5
Date Collected: 06/06/22 08:45						-	Matrix	: Solid
Date Received: 06/06/22 12:24								
Sample Depth: 0.5'								

Method: SW846 8021B - Vo	latile Organic	Compound	ds (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		06/07/22 14:58	06/08/22 02:53	1
Toluene	<0.00200	U	0.00200	mg/Kg		06/07/22 14:58	06/08/22 02:53	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		06/07/22 14:58	06/08/22 02:53	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		06/07/22 14:58	06/08/22 02:53	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		06/07/22 14:58	06/08/22 02:53	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		06/07/22 14:58	06/08/22 02:53	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	112		70 - 130			06/07/22 14:58	06/08/22 02:53	1
1,4-Difluorobenzene (Surr)	100		70 - 130			06/07/22 14:58	06/08/22 02:53	

Method: TAL SOP Total BTEX - Total BTEX Calculation										
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac		
Total BTEX	<0.00400	U	0.00400	mg/Kg			06/08/22 15:52	1		

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			06/10/22 09:57	1
Method: SW846 8015B NM - D)iesel Range	• Organics	(DRO) (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		06/08/22 17:15	06/09/22 13:38	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		06/08/22 17:15	06/09/22 13:38	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		06/08/22 17:15	06/09/22 13:38	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	106		70 - 130			06/08/22 17:15	06/09/22 13:38	1
o-Terphenyl	103		70 - 130			06/08/22 17:15	06/09/22 13:38	1

Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7100		50.2	mg/Kg			06/09/22 23:11	10

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Released to Imaging: 6/25/2024 8:06:17 AM

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Client: Ensolum Project/Site: BEU Connector PW Booster

Client Sample ID: SS03 Date Collected: 06/06/22 08:50 Date Received: 06/06/22 12:24

Sample Depth: 0.5'

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Job ID: 890-2380-1 SDG: 03E1558045

Lab Sample ID: 890-2380-6

Matrix: Solid

Method: SW846 8021B - Volat Analyte	-	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0.00201		0.00201	<u></u>		06/07/22 14:58	06/08/22 03:14	
Toluene	< 0.00201		0.00201	mg/Kg		06/07/22 14:58	06/08/22 03:14	
Ethylbenzene	< 0.00201		0.00201	mg/Kg		06/07/22 14:58	06/08/22 03:14	
n-Xylene & p-Xylene	< 0.00402		0.00402	mg/Kg		06/07/22 14:58	06/08/22 03:14	
-Xγlene	<0.00201		0.00201	mg/Kg		06/07/22 14:58	06/08/22 03:14	
(ylenes, Total	<0.00201		0.00402	mg/Kg				
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil F
I-Bromofluorobenzene (Surr)	116		70 - 130			06/07/22 14:58	06/08/22 03:14	
,4-Difluorobenzene (Surr)	95		70 - 130					
Nethod: TAL SOP Total BTEX	- Total BTE	X Calculat	ion					
nalyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
otal BTEX	<0.00402	U	0.00402	mg/Kg			06/08/22 15:52	
/lethod: SW846 8015 NM - Die	esel Range (Organics (DRO) (GC)					
nalyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
otal TPH	<50.0	U	50.0	mg/Kg			06/10/22 09:57	
/lethod: SW846 8015B NM - D	iesel Rance	• Organics	(DRO) (GC)					
nalyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Gasoline Range Organics GRO)-C6-C10	<50.0	U	50.0	mg/Kg		06/08/22 17:15	06/09/22 13:59	
Diesel Range Organics (Over 210-C28)	<50.0	U	50.0	mg/Kg		06/08/22 17:15	06/09/22 13:59	
II Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		06/08/22 17:15	06/09/22 13:59	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
-Chlorooctane	109		70 - 130			· · · · · · · · · · · · · · · · · · ·	06/09/22 13:59	
-Terphenyl	110		70 - 130			06/08/22 17:15	06/09/22 13:59	
Method: MCAWW 300.0 - Anic	ons, Ion Chr	omatogran	ohy - Soluble					
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Chloride	6140		50.1	mg/Kg			06/09/22 23:20	1
lient Sample ID: SS02						Lab Samp	le ID: 890-2	:380-
ate Collected: 06/06/22 08:55							Matrix	
ate Received: 06/06/22 12:24								
ample Depth: 0.5'								
lethod: SW846 8021B - Volat Inalyte		Compound Qualifier	ds (GC) _{RL}	Unit	D	Prepared	Analyzed	Dil Fa
lenzene	<0.00200		0.00200	mg/Kg		06/07/22 14:58	06/08/22 03:34	
oluene	<0.00200		0.00200	mg/Kg		06/07/22 14:58	06/08/22 03:34	
	~U.UUZUU	0	0.00200	mg/ixg		JUIJIZZ 14.00	JU, JU/22 UJ.J4	
		U	0 00200	malka		06/07/22 14.50	06/08/22 02.24	
thylbenzene	<0.00200		0.00200	mg/Kg mg/Kg		06/07/22 14:58 06/07/22 14:58	06/08/22 03:34	
Ethylbenzene n-Xylene & p-Xylene p-Xylene		U	0.00200 0.00401 0.00200	mg/Kg mg/Kg mg/Kg		06/07/22 14:58 06/07/22 14:58 06/07/22 14:58	06/08/22 03:34	

Xylenes, Total <0.00401 U 0.00401 mg/Kg 06/07/22 14:58 06/08/22 03:34 Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac 4-Bromofluorobenzene (Surr) 108 70 - 130 06/07/22 14:58 06/08/22 03:34

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1

1

Limits

70 - 130

RL

RL

49.9

0.00401

Unit

mg/Kg

Unit

mg/Kg

Client: Ensolum Project/Site: BEU Connector PW Booster

Client Sample ID: SS02

Surrogate

Analyte

Analyte

Total TPH

Total BTEX

1,4-Difluorobenzene (Surr)

Date Collected: 06/06/22 08:55 Date Received: 06/06/22 12:24 Sample Depth: 0.5'

Lab Sample ID: 890-2380-7

Analyzed

Analyzed

06/08/22 15:52

Analyzed

06/10/22 09:57

Lab Sample ID: 890-2380-8

Matrix: Solid

06/07/22 14:58 06/08/22 03:34

Prepared

Prepared

Prepared

D

D

Matrix: Solid

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	5
Dil Fac 1	
Dil Fac	
1	8
Dil Fac	ĝ
1	
Dil Fac	

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) Result Qualifier Analyto

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Method: TAL SOP Total BTEX - Total BTEX Calculation

Method: SW846 8021B - Volatile Organic Compounds (GC) (Continued)

%Recovery Qualifier

Result Qualifier

Result Qualifier

93

<0.00401 U

54.1

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		06/08/22 17:15	06/09/22 14:21	1
Diesel Range Organics (Over C10-C28)	54.1		49.9	mg/Kg		06/08/22 17:15	06/09/22 14:21	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		06/08/22 17:15	06/09/22 14:21	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	106		70 - 130			06/08/22 17:15	06/09/22 14:21	1
o-Terphenyl	105		70 - 130			06/08/22 17:15	06/09/22 14:21	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4270	49.9	mg/Kg			06/09/22 23:29	10

Client Sample ID: SS01 Date Collected: 06/06/22 09:00 Date Received: 06/06/22 12:24

Sample Depth: 0.5'

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	mg/Kg		06/07/22 14:58	06/08/22 03:55	1
Toluene	<0.00202	U	0.00202	mg/Kg		06/07/22 14:58	06/08/22 03:55	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		06/07/22 14:58	06/08/22 03:55	1
m-Xylene & p-Xylene	<0.00403	U	0.00403	mg/Kg		06/07/22 14:58	06/08/22 03:55	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		06/07/22 14:58	06/08/22 03:55	1
Xylenes, Total	<0.00403	U	0.00403	mg/Kg		06/07/22 14:58	06/08/22 03:55	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)			70 - 130			06/07/22 14:58	06/08/22 03:55	1
1,4-Difluorobenzene (Surr)	98		70 - 130			06/07/22 14:58	06/08/22 03:55	1
Method: TAL SOP Total BT	EX - Total BTE	X Calculat	ion					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403	mg/Kg			06/08/22 15:52	1
Method: SW846 8015 NM -	Diesel Range	Organics (DRO) (GC)					
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac

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Released to Imaging: 6/25/2024 8:06:17 AM

Client: Ensolum Project/Site: BEU Connector PW Booster

Client Sample ID: SS01 Date Collected: 06/06/22 09:00 Date Received: 06/06/22 12:24

Sample Depth: 0.5'

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		06/08/22 17:15	06/09/22 14:44	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		06/08/22 17:15	06/09/22 14:44	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		06/08/22 17:15	06/09/22 14:44	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	96		70 - 130			06/08/22 17:15	06/09/22 14:44	1
o-Terphenyl	94		70 - 130			06/08/22 17:15	06/09/22 14:44	1
Method: MCAWW 300.0 - Anio	ons, Ion Chr	omatogra	ohy - Soluble					
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5120		50.5	mg/Kg			06/09/22 23:39	10

Client Sample ID: SS05

Date Collected: 06/06/22 09:05 Date Received: 06/06/22 12:24 Sample Depth: 0.5'

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		06/07/22 14:58	06/08/22 05:45	1
Toluene	<0.00200	U	0.00200	mg/Kg		06/07/22 14:58	06/08/22 05:45	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		06/07/22 14:58	06/08/22 05:45	1
m-Xylene & p-Xylene	<0.00401	U	0.00401	mg/Kg		06/07/22 14:58	06/08/22 05:45	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		06/07/22 14:58	06/08/22 05:45	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		06/07/22 14:58	06/08/22 05:45	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)			70 - 130			06/07/22 14:58	06/08/22 05:45	1
1,4-Difluorobenzene (Surr)	98		70 - 130			06/07/22 14:58	06/08/22 05:45	1
- Method: TAL SOP Total BT	EX - Total BTE	X Calculat	ion					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401	mg/Kg			06/08/22 15:52	1
- Method: SW846 8015 NM -	Diesel Range	Organics (DRO) (GC)					
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac

Total TPH	<49.9	U	49.9	mg/Kg		·	06/10/22 09:57	1
Method: SW846 8015B NM -	· Diesel Range	e Organics ((DRO) (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		06/08/22 17:15	06/09/22 15:06	1
	10.0		10.0			00/00/00 17 15	00/00/00 45 00	

o-Terphenyl	118		70 - 130		06/08/22 17:15	06/09/22 15:06	1
1-Chlorooctane	115		70 - 130		06/08/22 17:15	06/09/22 15:06	1
Surrogate	%Recovery	Qualifier	Limits		Prepared	Analyzed	Dil Fac
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg	06/08/22 17:15	06/09/22 15:06	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg	06/08/22 17:15	06/09/22 15:06	1

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Job ID: 890-2380-1 SDG: 03E1558045

Matrix: Solid

Client: Ensolum Project/Site: BEU Connector PW Booster

Client Sample ID: SS05 Date Collected: 06/06/22 09:05

Date Received: 06/06/22 12:24 Sample Depth: 0.5'

ſ	 Method: MCAWW 300.0 - Anio	ons, Ion Chr	omatograj	phy - Soluble)					5
	Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
	Chloride	5020		50.3	mg/Kg			06/09/22 23:48	10	6

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Job ID: 890-2380-1 SDG: 03E1558045 Lab Sample ID: 890-2380-9 Matrix: Solid

Surrogate Summary

Client: Ensolum Project/Site: BEU Connector PW Booster

Method: 8021B - Volatile Organic Compounds (GC) Matrix: Solid

			Perc	ent Surrogate Recov
		BFB1	DFBZ1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
890-2374-A-5-C MS	Matrix Spike	108	100	
890-2374-A-5-D MSD	Matrix Spike Duplicate	110	100	
890-2380-1	SS06	107	97	
890-2380-2	SS07	107	99	
890-2380-3	SS08	116	100	
890-2380-4	SS09	112	92	
890-2380-5	SS04	112	100	
890-2380-6	SS03	116	95	
890-2380-7	SS02	108	93	
890-2380-8	SS01	110	98	
890-2380-9	SS05	112	98	
LCS 880-27017/1-A	Lab Control Sample	108	99	
LCSD 880-27017/2-A	Lab Control Sample Dup	108	97	
MB 880-26988/5-A	Method Blank	98	100	
MB 880-27017/5-A	Method Blank	99	95	
Surrogate Legend				
Surrogato Logond				

Method: 8015B NM - Diesel Range Organics (DRO) (GC) Matrix: Solid

			Percent	Surrogate Recovery (Acceptance Limits
		1CO1	OTPH1	
b Sample ID	Client Sample ID	(70-130)	(70-130)	
0-2380-1	SS06	113	111	
0-2380-1 MS	SS06	95	82	
-2380-1 MSD	SS06	101	89	
-2380-2	SS07	85	85	
2380-3	SS08	107	101	
2380-4	SS09	106	102	
2380-5	SS04	106	103	
2380-6	SS03	109	110	
2380-7	SS02	106	105	
2380-8	SS01	96	94	
2380-9	SS05	115	118	
880-27115/2-A	Lab Control Sample	118	109	
D 880-27115/3-A	Lab Control Sample Dup	106	99	
880-27115/1-A	Method Blank	95	98	

Surrogate Legend

1CO = 1-Chlorooctane OTPH = o-Terphenyl

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Job ID: 890-2380-1 SDG: 03E1558045

Prep Type: Total/NA

Prep Type: Total/NA

Client: Ensolum Project/Site: BEU Connector PW Booster

Lab Sample ID: MB 880-26988/5-A

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid							Prep Type: To	
Analysis Batch: 26971							Prep Batch:	26988
	MB	МВ						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		06/07/22 08:57	06/07/22 12:43	1
Toluene	<0.00200	U	0.00200	mg/Kg		06/07/22 08:57	06/07/22 12:43	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		06/07/22 08:57	06/07/22 12:43	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		06/07/22 08:57	06/07/22 12:43	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		06/07/22 08:57	06/07/22 12:43	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		06/07/22 08:57	06/07/22 12:43	1
	MB	MB						
Surrogate %F	Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130			06/07/22 08:57	06/07/22 12:43	1
1,4-Difluorobenzene (Surr)	100		70 - 130			06/07/22 08:57	06/07/22 12:43	1
Lab Sample ID: MB 880-27017/5-A						Client Samp	le ID: Method	l Blank
Matrix: Solid							Prep Type: To	otal/NA
Analysis Batch: 26971							Prep Batch	27017
	MB	МВ						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		06/07/22 14:58	06/08/22 00:22	1
Toluene	<0.00200	U	0.00200	mg/Kg		06/07/22 14:58	06/08/22 00:22	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		06/07/22 14:58	06/08/22 00:22	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		06/07/22 14:58	06/08/22 00:22	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		06/07/22 14:58	06/08/22 00:22	1

Xylenes, Total	<0.00400	U	0.00400
	MB	МВ	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	99		70 - 130
1,4-Difluorobenzene (Surr)	95		70 - 130

Lab Sample ID: LCS 880-27017/1-A Matrix: Solid Analysis Batch: 26971

Analysis Batch: 26971							Prep Ba	tch: 27017
	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.09392		mg/Kg		94	70 - 130	
Toluene	0.100	0.09786		mg/Kg		98	70 - 130	
Ethylbenzene	0.100	0.09108		mg/Kg		91	70 - 130	
m-Xylene & p-Xylene	0.200	0.2075		mg/Kg		104	70 - 130	
o-Xylene	0.100	0.1041		mg/Kg		104	70 - 130	

mg/Kg

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	108		70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

Lab Sample ID: LCSD 880-27017/2-A			C	Client Sa	mple	ID: Lat			
Matrix: Solid							Prep Ty	pe: Tot	al/NA
Analysis Batch: 26971							Prep E	Batch: 2	27017
	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.100	0.08291		mg/Kg		83	70 - 130	12	35

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Client Sample ID: Method Blank

06/07/22 14:58 06/08/22 00:22

06/07/22 14:58 06/08/22 00:22

06/07/22 14:58 06/08/22 00:22

Client Sample ID: Lab Control Sample

Analyzed

Prep Type: Total/NA

Prepared

1

1

1

Dil Fac

Client: Ensolum Project/Site: BEU Connector PW Booster

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: LCSD 880-27017/2-A Matrix: Solid Analysis Batch: 26971			C	Client Sar	nple	ID: Lat	Control S Prep Ty Prep E	pe: Tot	al/NA
	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Toluene	0.100	0.09423		mg/Kg		94	70 - 130	4	35
Ethylbenzene	0.100	0.08889		mg/Kg		89	70 - 130	2	35
m-Xylene & p-Xylene	0.200	0.2054		mg/Kg		103	70 - 130	1	35
o-Xylene	0.100	0.1029		mg/Kg		103	70 - 130	1	35

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	108		70 - 130
1,4-Difluorobenzene (Surr)	97		70 - 130

Lab Sample ID: 890-2374-A-5-C MS Matrix: Solid Analysis Batch: 26971

Analysis Batch: 26971									Prep Batch: 27017
	Sample	Sample	Spike	MS	MS				%Rec
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits
Benzene	<0.00201	U F1	0.100	0.05763	F1	mg/Kg		58	70 - 130
Toluene	<0.00201	U	0.100	0.07360		mg/Kg		73	70 - 130
Ethylbenzene	<0.00201	U	0.100	0.07003		mg/Kg		70	70 - 130
m-Xylene & p-Xylene	<0.00402	U	0.200	0.1634		mg/Kg		82	70 - 130
o-Xylene	<0.00201	U	0.100	0.08332		mg/Kg		83	70 - 130

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	108		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Lab Sample ID: 890-2374-A-5-D MSD Matrix: Solid Analysis Batch: 26971

Analysis Batch: 26971									Prep E	Batch: 2	27017
	Sample	Sample	Spike	MSD I	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result (Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	<0.00201	U F1	0.0990	0.07694		mg/Kg		78	70 - 130	29	35
Toluene	<0.00201	U	0.0990	0.08291		mg/Kg		84	70 - 130	12	35
Ethylbenzene	<0.00201	U	0.0990	0.07812		mg/Kg		79	70 - 130	11	35
m-Xylene & p-Xylene	<0.00402	U	0.198	0.1796		mg/Kg		91	70 - 130	9	35
o-Xylene	<0.00201	U	0.0990	0.09055		mg/Kg		91	70 - 130	8	35
	MSD	MSD									
Surrogate	%Recovery	Qualifier	Limits								
4-Bromofluorobenzene (Surr)	110		70 - 130								

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

100

Lab Sample ID: MB 880-27115/1-A Matrix: Solid Analysis Batch: 27121							le ID: Method Prep Type: To Prep Batch	otal/NA
	MB	MB						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		06/08/22 17:15	06/09/22 10:28	1

70 - 130

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Job ID: 890-2380-1 SDG: 03E1558045

> 5 7

Client Sample ID: Matrix Spike Duplicate

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Type: Total/NA

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1,4-Difluorobenzene (Surr)

Client: Ensolum Project/Site: BEU Connector PW Booster

N. 2015B NM - Diesel R Meth 0 4.5 1

Method: 8015B NM - Die	esel Rang	je C)rganic	s (DR	0) (0	GC) (0	Contin	u	ed)						
Lab Sample ID: MB 880-27 Matrix: Solid	115/1-A										Clie	nt Samı	Prep Ty	/pe: To	tal/NA
Analysis Batch: 27121													Prep	Batch:	27115
Analyte		MB	MB Qualifier		RL		Uni	it		D	Pi	epared	Analy	hozy	Dil Fac
Diesel Range Organics (Over		50.0			50.0		mg,		1	_		8/22 17:15			1
C10-C28)			•		0010			,g	,		00,0		00,00,22		
Oll Range Organics (Over C28-C36) <5	50.0	U		50.0		mg	/Kg	1		06/0	8/22 17:15	06/09/22	2 10:28	1
		ΜВ	МВ												
Surrogate	%Recov	rery	Qualifier	Lim	its						P	repared	Analy	/zed	Dil Fac
1-Chlorooctane		95		70 -	130						06/0	8/22 17:15			1
o-Terphenyl		98		70 -	130						06/0	8/22 17:15	06/09/22	2 10:28	1
									0		•		1		
Lab Sample ID: LCS 880-27	(115/2-A								Clie	ent	Sar	nple ID:			
Matrix: Solid													Prep Ty		
Analysis Batch: 27121				Spike		LCS	201						%Rec	Batch:	2/115
Analyte				Added		-	Qualifie	r	Unit		D	%Rec	Limits		
Gasoline Range Organics				1000		1105			mg/Kg		-	111 -	70 - 130		
(GRO)-C6-C10															
Diesel Range Organics (Over				1000		1128			mg/Kg			113	70 - 130		
C10-C28)															
	LCS	LCS													
Surrogate	%Recovery	Qual	lifier	Limits											
1-Chlorooctane	118			70 - 130											
o-Terphenyl	109			70 - 130											
Lab Sample ID: LCSD 880-	27115/3-4							С	lient S	am	nle	ID: Lab	Control	Samn	le Dun
Matrix: Solid												10. 200	Prep Ty		
Analysis Batch: 27121														Batch:	
· · · · · , · · · · · · · · · · · · · · · · · · ·				Spike		LCSD	LCSD						%Rec		RPD
Analyte				Added		Result	Qualifie	r	Unit		D	%Rec	Limits	RPD	Limit
Gasoline Range Organics				1000		928.0		_	mg/Kg			93	70 - 130	17	20
(GRO)-C6-C10															
Diesel Range Organics (Over C10-C28)				1000		1017			mg/Kg			102	70 - 130	10	20
	1000		~												
Surrogata	LCSD	Qual		Limita											
Surrogate 1-Chlorooctane	%Recovery 106	Qual		Limits 70 - 130	-										
o-Terphenyl	99			70 - 130											
_	33			, 5 - 150											

Lab Sample ID: 890-2380-1 MS Matrix: Solid atob. 27424

Analysis Batch: 27121									Prep E	Batch: 271	15
	Sample	Sample	Spike	MS	MS				%Rec		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	997	869.3		mg/Kg		83	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9	U	997	783.0		mg/Kg		77	70 - 130		

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	95		70 - 130
o-Terphenyl	82		70 - 130

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Client Sample ID: SS06 Prep Type: Total/NA

5

7

Released to Imaging: 6/25/2024 8:06:17 AM

Client: Ensolum Project/Site: BEU Connector PW Booster Job ID: 890-2380-1 SDG: 03E1558045

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: 890-2380 Matrix: Solid Analysis Batch: 27121	-1 MSD							С	lient Sam Prep Ty Prep E	-	al/NA
	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	1000	1012		mg/Kg		97	70 - 130	15	20
Diesel Range Organics (Over C10-C28)	<49.9	U	1000	855.9		mg/Kg		84	70 - 130	9	20
	MSD	MSD									
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	101		70 - 130								
o-Terphenyl	89		70 - 130								

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-27034/1 Matrix: Solid										ple ID: M Prep T		
Analysis Batch: 27220												
-	N	IB MB										
Analyte	Res	ult Qualifier		RL		Unit		DI	Prepared	Analy	zed	Dil Fac
Chloride	<5.	00 U		5.00		mg/K	g			06/09/22	19:11	1
Lab Sample ID: LCS 880-27034/	2-A						Cli	ent Sa	mple ID	: Lab Cor	ntrol Sa	ample
Matrix: Solid										Prep T		
Analysis Batch: 27220												
			Spike		LCS	LCS				%Rec		
Analyte			Added		Result	Qualifier	Unit	D	%Rec	Limits		
Chloride			250		264.6		mg/Kg		106	90 - 110		
Lab Sample ID: LCSD 880-2703 Matrix: Solid	4/3-A					C	client S	Sample	e ID: Lat	Control Prep T		
Analysis Batch: 27220										Fieb	ype. Si	Jubie
-			Spike		LCSD	LCSD				%Rec		RPD
Analyte			Added		Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride			250		254.6		mg/Kg		102	90 - 110	4	20
Lab Sample ID: 880-15527-A-2-0 Matrix: Solid Analysis Batch: 27220	C MS							C	lient Sa	mple ID: Prep T		
•	Sample S	Sample	Spike		MS	MS				%Rec		
	Result C		Added		Result	Qualifier	Unit	D	%Rec	Limits		
Chloride	53.2		250		305.9		mg/Kg		101	90 - 110		
Lab Sample ID: 880-15527-A-2-I Matrix: Solid	D MSD						Clien	t Samı	ple ID: N	latrix Spil Prep T		

Analysis Batch: 27220											
	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	53.2		250	312.8		mg/Kg		104	90 - 110	2	20

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QC Association Summary

Prep Type

Total/NA

Prep Type

Prep Type

Total/NA

Client: Ensolum Project/Site: BEU Connector PW Booster

Client Sample ID

SS06

SS07

SS08

SS09

SS04

SS03

SS02

SS01

SS05

Method Blank

Method Blank

Matrix Spike

Lab Control Sample

Lab Control Sample Dup

Matrix Spike Duplicate

Client Sample ID

Client Sample ID

Method Blank

GC VOA

Lab Sample ID

890-2380-1

890-2380-2

890-2380-3

890-2380-4

890-2380-5

890-2380-6

890-2380-7

890-2380-8

890-2380-9

MB 880-26988/5-A

MB 880-27017/5-A

LCS 880-27017/1-A

LCSD 880-27017/2-A

890-2374-A-5-D MSD

Prep Batch: 26988 Lab Sample ID

MB 880-26988/5-A

Prep Batch: 27017

Lab Sample ID

890-2374-A-5-C MS

Analysis Batch: 26971

		Job I
		SDO

Method

8021B

Method

Method

5035

Matrix

Solid

Matrix

Matrix

Solid

Prep Batch

27017

27017

27017

27017

27017

27017

27017

27017

27017

26988

27017

27017

27017

27017

27017

Prep Batch

Prep Batch

Prep Batch

ID: 890-2380-1 G: 03E1558045

5
8
9
40

1	
1	

	enerit etimpie in			
890-2380-1	SS06	Total/NA	Solid	5035
890-2380-2	SS07	Total/NA	Solid	5035
890-2380-3	SS08	Total/NA	Solid	5035
890-2380-4	SS09	Total/NA	Solid	5035
890-2380-5	SS04	Total/NA	Solid	5035
890-2380-6	SS03	Total/NA	Solid	5035
890-2380-7	SS02	Total/NA	Solid	5035
890-2380-8	SS01	Total/NA	Solid	5035
890-2380-9	SS05	Total/NA	Solid	5035
MB 880-27017/5-A	Method Blank	Total/NA	Solid	5035
LCS 880-27017/1-A	Lab Control Sample	Total/NA	Solid	5035
LCSD 880-27017/2-A	Lab Control Sample Dup	Total/NA	Solid	5035
890-2374-A-5-C MS	Matrix Spike	Total/NA	Solid	5035
890-2374-A-5-D MSD	Matrix Spike Duplicate	Total/NA	Solid	5035
Analysis Batch: 2710	06			
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method
890-2380-1	SS06	Total/NA	Solid	Total BTEX
890-2380-2	SS07	Total/NA	Solid	Total BTEX
890-2380-3	SS08	Total/NA	Solid	Total BTEX

890-2380-2	SS07	Total/NA	Solid	Total BTEX
890-2380-3	SS08	Total/NA	Solid	Total BTEX
890-2380-4	SS09	Total/NA	Solid	Total BTEX
890-2380-5	SS04	Total/NA	Solid	Total BTEX
890-2380-6	SS03	Total/NA	Solid	Total BTEX
890-2380-7	SS02	Total/NA	Solid	Total BTEX
890-2380-8	SS01	Total/NA	Solid	Total BTEX
890-2380-9	SS05	Total/NA	Solid	Total BTEX

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QC Association Summary

Client: Ensolum Project/Site: BEU Connector PW Booster

GC Semi VOA

Prep Batch: 27115

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2380-1	SS06	Total/NA	Solid	8015NM Prep	
890-2380-2	SS07	Total/NA	Solid	8015NM Prep	
890-2380-3	SS08	Total/NA	Solid	8015NM Prep	
890-2380-4	SS09	Total/NA	Solid	8015NM Prep	
890-2380-5	SS04	Total/NA	Solid	8015NM Prep	
890-2380-6	SS03	Total/NA	Solid	8015NM Prep	
890-2380-7	SS02	Total/NA	Solid	8015NM Prep	
890-2380-8	SS01	Total/NA	Solid	8015NM Prep	
890-2380-9	SS05	Total/NA	Solid	8015NM Prep	
MB 880-27115/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-27115/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-27115/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-2380-1 MS	SS06	Total/NA	Solid	8015NM Prep	
890-2380-1 MSD	SS06	Total/NA	Solid	8015NM Prep	

Analysis Batch: 27121

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2380-1	SS06	Total/NA	Solid	8015B NM	27115
890-2380-2	SS07	Total/NA	Solid	8015B NM	27115
890-2380-3	SS08	Total/NA	Solid	8015B NM	27115
890-2380-4	SS09	Total/NA	Solid	8015B NM	27115
890-2380-5	SS04	Total/NA	Solid	8015B NM	27115
890-2380-6	SS03	Total/NA	Solid	8015B NM	27115
890-2380-7	SS02	Total/NA	Solid	8015B NM	27115
890-2380-8	SS01	Total/NA	Solid	8015B NM	27115
890-2380-9	SS05	Total/NA	Solid	8015B NM	27115
MB 880-27115/1-A	Method Blank	Total/NA	Solid	8015B NM	27115
LCS 880-27115/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	27115
LCSD 880-27115/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	27115
890-2380-1 MS	SS06	Total/NA	Solid	8015B NM	27115
890-2380-1 MSD	SS06	Total/NA	Solid	8015B NM	27115

Analysis Batch: 27276

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2380-1	SS06	Total/NA	Solid	8015 NM	
890-2380-2	SS07	Total/NA	Solid	8015 NM	
890-2380-3	SS08	Total/NA	Solid	8015 NM	
890-2380-4	SS09	Total/NA	Solid	8015 NM	
890-2380-5	SS04	Total/NA	Solid	8015 NM	
890-2380-6	SS03	Total/NA	Solid	8015 NM	
890-2380-7	SS02	Total/NA	Solid	8015 NM	
890-2380-8	SS01	Total/NA	Solid	8015 NM	
890-2380-9	SS05	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 27034

Lab Sample ID 890-2380-1	Client Sample ID SS06	Prep Type Soluble	Matrix Solid	Method DI Leach	Prep Batch
890-2380-2	SS07	Soluble	Solid	DI Leach	
890-2380-3	SS08	Soluble	Solid	DI Leach	

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Job ID: 890-2380-1 SDG: 03E1558045

QC Association Summary

Client: Ensolum Project/Site: BEU Connector PW Booster

HPLC/IC (Continued)

Leach Batch: 27034 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2380-4	SS09	Soluble	Solid	DI Leach	
890-2380-5	SS04	Soluble	Solid	DI Leach	
890-2380-6	SS03	Soluble	Solid	DI Leach	
890-2380-7	SS02	Soluble	Solid	DI Leach	
890-2380-8	SS01	Soluble	Solid	DI Leach	
890-2380-9	SS05	Soluble	Solid	DI Leach	
MB 880-27034/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-27034/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-27034/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-15527-A-2-C MS	Matrix Spike	Soluble	Solid	DI Leach	
880-15527-A-2-D MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 27220

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2380-1	SS06	Soluble	Solid	300.0	27034
890-2380-2	SS07	Soluble	Solid	300.0	27034
890-2380-3	SS08	Soluble	Solid	300.0	27034
890-2380-4	SS09	Soluble	Solid	300.0	27034
890-2380-5	SS04	Soluble	Solid	300.0	27034
890-2380-6	SS03	Soluble	Solid	300.0	27034
890-2380-7	SS02	Soluble	Solid	300.0	27034
890-2380-8	SS01	Soluble	Solid	300.0	27034
890-2380-9	SS05	Soluble	Solid	300.0	27034
MB 880-27034/1-A	Method Blank	Soluble	Solid	300.0	27034
LCS 880-27034/2-A	Lab Control Sample	Soluble	Solid	300.0	27034
LCSD 880-27034/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	27034
880-15527-A-2-C MS	Matrix Spike	Soluble	Solid	300.0	27034
880-15527-A-2-D MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	27034

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Client: Ensolum

Job ID: 890-2380-1 SDG: 03E1558045

Matrix: Solid

Lab Sample ID: 890-2380-1

Client Sample ID: SS06 Date Collected: 06/06/22 08:25 Date Received: 06/06/22 12:24

Project/Site: BEU Connector PW Booster

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Туре	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	27017	06/07/22 14:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	26971	06/08/22 01:32	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			27106	06/08/22 15:52	SM	EET MID
Total/NA	Analysis	8015 NM		1			27276	06/10/22 09:57	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	27115	06/08/22 17:15	DM	EET MID
Total/NA	Analysis	8015B NM		1	-		27121	06/09/22 11:31	AJ	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	27034	06/07/22 16:09	SMC	EET MID
Soluble	Analysis	300.0		10			27220	06/09/22 22:16	СН	EET MID

Lab Sample ID: 890-2380-2 Matrix: Solid

Lab Sample ID: 890-2380-3

Lab Sample ID: 890-2380-4

Matrix: Solid

Client Sample ID: SS07 Date Collected: 06/06/22 08:30 Date Received: 06/06/22 12:24

	Batch	Batch		Dil	Initial	Final	Batch	Prepared			
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab	
Total/NA	Prep	5035			5.02 g	5 mL	27017	06/07/22 14:58	MNR	EET MID	
Total/NA	Analysis	8021B		1	5 mL	5 mL	26971	06/08/22 01:52	MNR	EET MID	
Total/NA	Analysis	Total BTEX		1			27106	06/08/22 15:52	SM	EET MID	
Total/NA	Analysis	8015 NM		1			27276	06/10/22 09:57	AJ	EET MID	
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	27115	06/08/22 17:15	DM	EET MID	
Total/NA	Analysis	8015B NM		1			27121	06/09/22 12:34	AJ	EET MID	
Soluble	Leach	DI Leach			5.04 g	50 mL	27034	06/07/22 16:09	SMC	EET MID	
Soluble	Analysis	300.0		1			27220	06/09/22 22:25	СН	EET MID	

Client Sample ID: SS08 Date Collected: 06/06/22 08:35 Date Received: 06/06/22 12:24

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	27017	06/07/22 14:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	26971	06/08/22 02:12	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			27106	06/08/22 15:52	SM	EET MID
Total/NA	Analysis	8015 NM		1			27276	06/10/22 09:57	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	27115	06/08/22 17:15	DM	EET MID
Total/NA	Analysis	8015B NM		1			27121	06/09/22 12:55	AJ	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	27034	06/07/22 16:09	SMC	EET MID
Soluble	Analysis	300.0		1			27220	06/09/22 22:53	СН	EET MID

Client Sample ID: SS09 Date Collected: 06/06/22 08:40 Date Received: 06/06/22 12:24

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	27017	06/07/22 14:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	26971	06/08/22 02:33	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			27106	06/08/22 15:52	SM	EET MID

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Matrix: Solid

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Project/Site: BEU Connector PW Booster

Job ID: 890-2380-1 SDG: 03E1558045

Client Sample ID: SS09 Date Collected: 06/06/22 08:40 Date Received: 06/06/22 12:24

Client: Ensolum

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			27276	06/10/22 09:57	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	27115	06/08/22 17:15	DM	EET MID
Total/NA	Analysis	8015B NM		1			27121	06/09/22 13:16	AJ	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	27034	06/07/22 16:09	SMC	EET MID
Soluble	Analysis	300.0		5			27220	06/09/22 23:02	СН	EET MID
Client Sam	ple ID: SS0)4						Lab Sample	e ID: 89	0-2380-

Client Sample ID: SS04 Date Collected: 06/06/22 08:45 Date Received: 06/06/22 12:24

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	27017	06/07/22 14:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	26971	06/08/22 02:53	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			27106	06/08/22 15:52	SM	EET MID
Total/NA	Analysis	8015 NM		1			27276	06/10/22 09:57	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	27115	06/08/22 17:15	DM	EET MID
Total/NA	Analysis	8015B NM		1			27121	06/09/22 13:38	AJ	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	27034	06/07/22 16:09	SMC	EET MID
Soluble	Analysis	300.0		10			27220	06/09/22 23:11	CH	EET MID

Client Sample ID: SS03

Date Collected: 06/06/22 08:50 Date Received: 06/06/22 12:24

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	27017	06/07/22 14:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	26971	06/08/22 03:14	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			27106	06/08/22 15:52	SM	EET MID
Total/NA	Analysis	8015 NM		1			27276	06/10/22 09:57	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	27115	06/08/22 17:15	DM	EET MID
Total/NA	Analysis	8015B NM		1			27121	06/09/22 13:59	AJ	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	27034	06/07/22 16:09	SMC	EET MID
Soluble	Analysis	300.0		10			27220	06/09/22 23:20	CH	EET MID

Client Sample ID: SS02 Date Collected: 06/06/22 08:55 Date Received: 06/06/22 12:24

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Туре	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	27017	06/07/22 14:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	26971	06/08/22 03:34	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			27106	06/08/22 15:52	SM	EET MID
Total/NA	Analysis	8015 NM		1			27276	06/10/22 09:57	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	27115	06/08/22 17:15	DM	EET MID
Total/NA	Analysis	8015B NM		1	-		27121	06/09/22 14:21	AJ	EET MID

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Lab Sample ID: 890-2380-4

Matrix: Solid

Matrix: Solid

Lab Sample ID: 890-2380-6

Lab Sample ID: 890-2380-7

Matrix: Solid

Matrix: Solid

Client Sample ID: SS02 Date Collected: 06/06/22 08:55 Date Received: 06/06/22 12:24

Prep Туре	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.01 g	50 mL	27034	06/07/22 16:09	SMC	EET MID
Soluble	Analysis	300.0		10			27220	06/09/22 23:29	CH	EET MID

Client Sample ID: SS01 Date Collected: 06/06/22 09:00 Date Received: 06/06/22 12:24

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	27017	06/07/22 14:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	26971	06/08/22 03:55	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			27106	06/08/22 15:52	SM	EET MID
Total/NA	Analysis	8015 NM		1			27276	06/10/22 09:57	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	27115	06/08/22 17:15	DM	EET MID
Total/NA	Analysis	8015B NM		1			27121	06/09/22 14:44	AJ	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	27034	06/07/22 16:09	SMC	EET MID
Soluble	Analysis	300.0		10			27220	06/09/22 23:39	СН	EET MID

Client Sample ID: SS05 Date Collected: 06/06/22 09:05 Date Received: 06/06/22 12:24

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	27017	06/07/22 14:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	26971	06/08/22 05:45	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			27106	06/08/22 15:52	SM	EET MID
Total/NA	Analysis	8015 NM		1			27276	06/10/22 09:57	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	27115	06/08/22 17:15	DM	EET MID
Total/NA	Analysis	8015B NM		1	-		27121	06/09/22 15:06	AJ	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	27034	06/07/22 16:09	SMC	EET MID
Soluble	Analysis	300.0		10			27220	06/09/22 23:48	СН	EET MID

Laboratory References:

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Job ID: 890-2380-1 SDG: 03E1558045

Lab Sample ID: 890-2380-7

Lab Sample ID: 890-2380-8

Matrix: Solid

Matrix: Solid

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Lab Sample ID: 890-2380-9 Matrix: Solid

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Accreditation/Certification Summary

Client: Ensolum Project/Site: BEU Connector PW Booster Job ID: 890-2380-1 SDG: 03E1558045

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Laboratory: Eurofins Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

uthority		ogram	Identification Number	Expiration Date
exas	NE	ELAP	T104704400-22-24	06-30-22
The following analytes	are included in this reno	rt but the laboratory is r	not certified by the governing authority.	This list may include analytes for whic
the agency does not o	•	it, but the laboratory is i	lot contined by the governing dutionty.	This list may morade analytes for which
0,	•	Matrix	Analyte	
the agency does not o	ffer certification.			

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Method Summary

Client: Ensolum Project/Site: BEU Connector PW Booster

Job ID: 890-2380-1 SDG: 03E1558045

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	MCAWW	EET MID
5035	Closed System Purge and Trap	SW846	EET MID
8015NM Prep	Microextraction	SW846	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID

Protocol References:

ASTM = ASTM International

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions. SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates. TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Eurofins Carlsbad

Sample Summary

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-2380-1	SS06	Solid	06/06/22 08:25	06/06/22 12:24	0.5'
890-2380-2	SS07	Solid	06/06/22 08:30	06/06/22 12:24	0.5'
890-2380-3	SS08	Solid	06/06/22 08:35	06/06/22 12:24	0.5'
890-2380-4	SS09	Solid	06/06/22 08:40	06/06/22 12:24	0.5'
890-2380-5	SS04	Solid	06/06/22 08:45	06/06/22 12:24	0.5'
890-2380-6	SS03	Solid	06/06/22 08:50	06/06/22 12:24	0.5'
890-2380-7	SS02	Solid	06/06/22 08:55	06/06/22 12:24	0.5'
890-2380-8	SS01	Solid	06/06/22 09:00	06/06/22 12:24	0.5'
890-2380-9	SS05	Solid	06/06/22 09:05	06/06/22 12:24	0.5'

Page 134 of 306

Job ID: 890-2380-1 SDG: 03E1558045

🔅 eurofins		Environment Testing Xenco	ient Tes	ting	Hous EL Pas Hobb	Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300 Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334 EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296 Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199	0, Dallas, TX (ian Antonio, T Lubbock, TX I Carlsbad, NM	214) 902-0300 X (210) 509-3334 (806) 794-1296 (575) 988-3199		Work	Work Order No:
					Hobb	i, NM (575) 392-7550,	Carlsbad, NM	(575) 988-3199]	ww	www.xenco.com
Project Manager:	Ben Be	1:11			Bill to: (if different)	43	Ter 15	cher		<	Work Order Comments
Company Name:	isolu	dim			Company Name	×			Program:	UST/PST	PRP Brownfields
Address:					Address:				State	roject:	
City, State ZIP:					City, State ZIP:				Repo	Reporting: Level II Level III	.evel III PST/UST TRRP
Phone:				Email:	0	Densium.	n. Co.m		Deliv	Deliverables: EDD	ADaPT
Project Name:	BEU Corpelat	tor PW	Busiel	Turn	Turn Around	-		ANALYSIS REQUEST	EQUEST	-	
ber:	155			Routine	Rush	Pres. Code					
		-103.5K	15	Due Date:							
Sampler's Name:	Kense Pa	Packer		TAT starts the the lab, if rece	TAT starts the day received by the lab, if received by 4:30pm		_				
SAMPI F RECEIPT	Temp Blank:	_	Yes No	Wet Ice:	Yes (No)	ters					
Samples Received Intact:			Thermometer ID:	ID.	1-7-20	rame					
Cooler Custody Seals:	Yes No	NIA C	Correction Factor:	ctor:	-0.2	Pa	-5	890-2380 Chain of	Custody		-
Sample Custody Seals:	Yes No	N/A T	Temperature Reading:	Reading:	2.66			_			1
Total Containers:			Corrected Temperature:	mperature:	2.4	E OH			,		
Sample Identification	cation	Matrix	Date Sampled	Time Sampled	Depth Comp	* of Cont BT	Ch,	CHT	200-	Ville in	proces
5500 /		2 5	11/22	2530	6.54	or N	8				
5502			-	0830							
5503				0235							
SSOU				0840							
505				0845							
5506				0850							
5507				0855							
5508			~	0400							
5509		4	<	SUNC	<	VV	~				1
1									T		X
Total 200.7 / 6010	200.8 / 6020:	020:		8RCRA 13PPM	M Texas 11	Al Sb As Ba Be B	B Cd Ca	- u	Mg Mn N	vi K Se	SiO ₂ Na Sr
Circle Method(s) and Metal(s) to be analyzed	nd Metal(s) to	be analyz		TCLP / SF	PLP 6010 : 8RC	RA Sb As Ba B	e Cd Cr	TCLP/SPLP 6010 : 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo	Ni Se Ag TI U		Hg: 1631 / 245.1 / 7470
Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco. Its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously nego	tent and relinquishme be liable only for the c charge of \$85.00 will 1	nt of samples o ost of samples be applied to e	onstitutes a va and shall not a ach project an	lid purchase orde ssume any respor d a charge of \$5 f	er from client company nsibility for any losses of for each sample submi	to Eurofins Xenco, Its aft ir expenses incurred by t ted to Eurofins Xenco, b	filiates and sub he client if such ut not analyze d	contractors. It assigns standars nosses are due to circumstanc I. These terms will be enforced	1 terms and conditions es beyond the control unless previously negotiated.	litions ntrol negotiated.	
Retinquished by: (Signature)	Signature)	72	eceived by	Received by: (Signature)		Date/Time		Relinquished by: (Signature)	nature)	Received	Received by: (Signature)
1 mill	141			sta Xt	4	6(10)3	D Du	q			

10/10/2022 (Rev. 1)

Page 135 of 306

Job Number: 890-2380-1 SDG Number: 03E1558045

List Source: Eurofins Carlsbad

Login Sample Receipt Checklist

Client: Ensolum

<6mm (1/4").

Login Number: 2380 List Number: 1 Creator: Stutzman, Amanda

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is	N/A	

14

14

Login Sample Receipt Checklist

Client: Ensolum

Login Number: 2380 List Number: 2 Creator: Rodriguez, Leticia

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is	N/A	

Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").

Job Number: 890-2380-1 SDG Number: 03E1558045

List Source: Eurofins Midland

List Creation: 06/07/22 12:08 PM



APPENDIX E

NMOCD Notifications

Released to Imaging: 6/25/2024 8:06:17 AM

From:	Hamlet, Robert, EMNRD
To:	Collins, Melanie
Cc:	<u>DelawareSpills /SM; Pennington, Shelby G; Green, Garrett J; Ben Belill; Tacoma Morrissey; Kalei Jennings;</u> <u>Bratcher, Mike, EMNRD; Nobui, Jennifer, EMNRD; Harimon, Jocelyn, EMNRD</u>
Subject:	(Extension Approval) - XTO - BEU Connector PW Booster / NAPP2213151424
Date:	Friday, July 22, 2022 4:42:46 PM
Attachments:	image002.jpg image003.png

[**EXTERNAL EMAIL**]

RE: Incident #NAPP2213151424

Melanie,

Your request for an extension to **October 24th, 2022** is approved. Please keep us up to date on the Right of Entry (ROE) Permit. Please include this e-mail correspondence in the remediation and/or closure report.

Robert Hamlet • Environmental Specialist - Advanced Environmental Bureau EMNRD - Oil Conservation Division 811 S. First Street | Artesia, NM 88210 575.909.0302 | robert.hamlet@state.nm.us http://www.emnrd.state.nm.us/OCD/



From: Collins, Melanie <melanie.collins@exxonmobil.com>
Sent: Friday, July 22, 2022 1:56 PM
To: Enviro, OCD, EMNRD <OCD.Enviro@state.nm.us>; Bratcher, Mike, EMNRD
<mike.bratcher@state.nm.us>; Hamlet, Robert, EMNRD <Robert.Hamlet@state.nm.us>
Cc: DelawareSpills /SM <DelawareSpills@exxonmobil.com>; Pennington, Shelby G
<shelby.g.pennington@exxonmobil.com>; Green, Garrett J <garrett.green@exxonmobil.com>; bbelill@ensolum.com; Tacoma Morrissey <tmorrissey@ensolum.com>; Kalei Jennings
<kjennings@ensolum.com>

Subject: [EXTERNAL] XTO - Extension Request - BEU Connector PW Booster / NAPP2213151424

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

All,

XTO is requesting an extension of the current deadline of July 26, 2022, for submitting a

remediation work plan or closure report required in 19.15.29.12.B.(1) NMAC for the BEU Connector PW Booster (Incident Number NAPP2213151424). The release occurred on April 27, 2022 and an initial site assessment of the release was conducted. Fluids were released into the pasture area due to a flanged-end fitting separating from a hose while moving produced water. Initial assessment and sampling was conducted and excavation is pending. A Right of Entry (ROE) Permit was submitted to the State Land Office (SLO) in July 2022 and the executed permit has yet to be received. In order to complete the remediation work and submit a remediation work plan or closure report XTO requests a 90-day extension of this deadline until October 24, 2022.

Thank you, Melaníe Collíns



Environmental Technician melanie.collins@exxonmobil.com 432-556-3756

From:	Green, Garrett J
To:	ocd.enviro@state.nm.us; Bratcher, Mike, EMNRD; Hamlet, Robert, EMNRD
Cc:	Tacoma Morrissey; Kalei Jennings; DelawareSpills /SM
Subject:	XTO - Sampling Notification (Week of 8/1/22 - 8/5/22)
Date:	Friday, July 29, 2022 4:11:00 PM

[**EXTERNAL EMAIL**]

All,

XTO plans to complete final sampling activities at the following sites the week of August 1, 2022.

Monday

- PLU C1 Frac Pond / NAPP2207743395
- BEU Connector PW Booster / nAPP2213151424

Tuesday

- BEU Connector PW Booster / nAPP2213151424
- Goldenchild CTB / nAPP2035256230, nAPP2102237559, nAPP2101335437, &

nAPP2101331137

Wednesday

- BEU Connector PW Booster / nAPP2213151424
- Ross Draw 25 NW Battery / NAPP2201444794

Thursday

- PLU 89 / NRM1932350962

Thank you,

Garrett Green Environmental Coordinator Delaware Business Unit (575) 200-0729 Garrett.Green@ExxonMobil.com

XTO Energy, Inc. 3104 E. Greene Street | Carlsbad, NM 88220 | M: (575)200-0729



APPENDIX D

Proposed Reclamation Plan

XTO Energy, Inc. Remediation Work Plan Update BEU Connector PW Booster and Mobley Ranch

PROPOSED RECLAMATION PLAN

The release occurred off pad in the pasture within the pipeline ROW and as such, a reclamation requirement of 600 mg/kg chloride and 100 mg/kg TPH was applied to the top 4 feet of the off pad area that was impacted by the release per 19.15.29.13.D (1) NMAC for the top 4 feet of areas that will be reclaimed following remediation. The following Reclamation Plan addresses reclamation of the off-pad area:

- The excavation will be backfilled with locally sourced caliche and topsoil to match surrounding grade. Topsoil will be placed on top of the caliche to support vegetative growth within the disturbed area;
- Soil and vegetation will be assessed during excavation activities to determine the proper weedfree seed mix designed by the NMSLO to meet reclamation standards for this region;
- The seed mixture will be distributed with one or more of the following mechanisms: push broadcaster seed spreader / tractor operated broadcast seed spreader / drill seeding / other means;
- Application of the seed mixture will be at a coverage of 10 pounds of seeds per acre of reclaimed pasture with distribution by a drilling method or 20 pounds of seeds per acre of reclaimed pasture with distribution by a broadcast method;
- Erosion control management will potentially include:
 - o The placement of waddles in areas with a propensity for high run off rates;
 - Straw cover if high winds are anticipated to support moisture retention and limit wind from blowing seeds away before they have had time to germinate; and/or
 - Other erosional control best management practices (BMP) as necessary to support timely and healthy regrowth of vegetation in disturbed areas;
- Backfilling of the excavation will be completed following receipt of confirmation soil samples indicating all chemicals of concern concentrations are in compliance with the Closure Criteria and/or the reclamation requirement;
- Seeding is anticipated to be completed in when temperatures and precipitation is most conducive for vegetation growth. In general, seeding should occur approximately one month after the last frost in the Spring up until approximately one month prior to the first fall frost. NMSLO has recognized the optimal time to seed is between July and early September, which will be adhered to for this Site;
- If seeding occurs outside of the 180 days approved in the current fully executed ROE Permit, a new ROE Permit will be executed prior to entering the pasture for reclamation activities;
- Annual inspections (at a minimum) will take place on the location until revegetation is consistent with local natural vegetation density. The Site will be inspected the following Spring/Fall to assess the success of regrowth. If necessary, an additional application of the NMSLO-approved pure live seed mixture will be applied as well as any needed BMPs will be installed to support growth and limit erosion;
- Upon completion of revegetation, a copy of the C-103 submitted to NMOCD will also be submitted to NMSLO for final inspection and release.





APPENDIX B

Photographic Log






APPENDIX C

Laboratory Analytical Reports & Chain of Custody Documentation



October 20, 2023

BEN BELILL ENSOLUM

3122 NATIONAL PARKS HWY

CARLSBAD, NM 88220

RE: BEU CONNECTOR PW BOOSTER/MOBLEY RANCH PIPELINE

Enclosed are the results of analyses for samples received by the laboratory on 10/19/23 14:45.

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/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



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

Received:	10/19/2023	Sampling Date:	10/18/2023
Reported:	10/20/2023	Sampling Type:	Soil
Project Name:	BEU CONNECTOR PW BOOSTER/MOBLE	Sampling Condition:	Cool & Intact
Project Number:	03C558043	Sample Received By:	Tamara Oldaker
Project Location:	32.2907,-103.86159		

Sample ID: FS 01 2FT (H235719-01)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Benzene*	<0.050	0.050	10/20/2023	ND	2.04	102	2.00	4.67	
Toluene*	<0.050	0.050	10/20/2023	ND	2.09	104	2.00	5.21	
Ethylbenzene*	<0.050	0.050	10/20/2023	ND	2.11	105	2.00	3.69	
Total Xylenes*	<0.150	0.150	10/20/2023	ND	6.28	105	6.00	3.03	
Total BTEX	<0.300	0.300	10/20/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	10/20/2023	ND	432	108	400	3.77	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/19/2023	ND	206	103	200	1.90	
DRO >C10-C28*	<10.0	10.0	10/19/2023	ND	195	97.7	200	3.68	
EXT DRO >C28-C36	<10.0	10.0	10/19/2023	ND					
Surrogate: 1-Chlorooctane	99.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	117 9	6 49.1-14	0						

Cardinal Laboratories

*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	10/19/2023	Sampling Date:	10/18/2023
Reported:	10/20/2023	Sampling Type:	Soil
Project Name:	BEU CONNECTOR PW BOOSTER/MOBLE	Sampling Condition:	Cool & Intact
Project Number:	03C558043	Sample Received By:	Tamara Oldaker
Project Location:	32.2907,-103.86159		

Sample ID: FS 02 2FT (H235719-02)

BTEX 8021B	mg,	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/20/2023	ND	2.04	102	2.00	4.67	
Toluene*	<0.050	0.050	10/20/2023	ND	2.09	104	2.00	5.21	
Ethylbenzene*	<0.050	0.050	10/20/2023	ND	2.11	105	2.00	3.69	
Total Xylenes*	<0.150	0.150	10/20/2023	ND	6.28	105	6.00	3.03	
Total BTEX	<0.300	0.300	10/20/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 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	10/20/2023	ND	432	108	400	3.77	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/19/2023	ND	206	103	200	1.90	
DRO >C10-C28*	<10.0	10.0	10/19/2023	ND	195	97.7	200	3.68	
EXT DRO >C28-C36	<10.0	10.0	10/19/2023	ND					
Surrogate: 1-Chlorooctane	101	48.2-13	4						
Surrogate: 1-Chlorooctadecane	119 9	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	10/19/2023	Sampling Date:	10/18/2023
Reported:	10/20/2023	Sampling Type:	Soil
Project Name:	BEU CONNECTOR PW BOOSTER/MOBLE	Sampling Condition:	Cool & Intact
Project Number:	03C558043	Sample Received By:	Tamara Oldaker
Project Location:	32.2907,-103.86159		

Sample ID: FS 03 2FT (H235719-03)

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/20/2023	ND	2.04	102	2.00	4.67	
Toluene*	<0.050	0.050	10/20/2023	ND	2.09	104	2.00	5.21	
Ethylbenzene*	<0.050	0.050	10/20/2023	ND	2.11	105	2.00	3.69	
Total Xylenes*	<0.150	0.150	10/20/2023	ND	6.28	105	6.00	3.03	
Total BTEX	<0.300	0.300	10/20/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 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	10/20/2023	ND	432	108	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/19/2023	ND	206	103	200	1.90	
DRO >C10-C28*	<10.0	10.0	10/19/2023	ND	195	97.7	200	3.68	
EXT DRO >C28-C36	<10.0	10.0	10/19/2023	ND					
Surrogate: 1-Chlorooctane	104 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	122 9	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	10/19/2023	Sampling Date:	10/18/2023
Reported:	10/20/2023	Sampling Type:	Soil
Project Name:	BEU CONNECTOR PW BOOSTER/MOBLE	Sampling Condition:	Cool & Intact
Project Number:	03C558043	Sample Received By:	Tamara Oldaker
Project Location:	32.2907,-103.86159		

Sample ID: FS 04 2FT (H235719-04)

BTEX 8021B	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/20/2023	ND	2.04	102	2.00	4.67	
Toluene*	<0.050	0.050	10/20/2023	ND	2.09	104	2.00	5.21	
Ethylbenzene*	<0.050	0.050	10/20/2023	ND	2.11	105	2.00	3.69	
Total Xylenes*	<0.150	0.150	10/20/2023	ND	6.28	105	6.00	3.03	
Total BTEX	<0.300	0.300	10/20/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	106 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	416	16.0	10/20/2023	ND	432	108	400	3.77	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/19/2023	ND	206	103	200	1.90	
DRO >C10-C28*	<10.0	10.0	10/19/2023	ND	195	97.7	200	3.68	
EXT DRO >C28-C36	<10.0	10.0	10/19/2023	ND					
Surrogate: 1-Chlorooctane	104 9	48.2-13	4						
Surrogate: 1-Chlorooctadecane	121 9	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	10/19/2023	Sampling Date:	10/18/2023
Reported:	10/20/2023	Sampling Type:	Soil
Project Name:	BEU CONNECTOR PW BOOSTER/MOBLE	Sampling Condition:	Cool & Intact
Project Number:	03C558043	Sample Received By:	Tamara Oldaker
Project Location:	32.2907,-103.86159		

Sample ID: FS 05 3FT (H235719-05)

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	10/20/2023	ND	2.16	108	2.00	2.19	
Toluene*	<0.050	0.050	10/20/2023	ND	2.08	104	2.00	3.71	
Ethylbenzene*	<0.050	0.050	10/20/2023	ND	2.17	108	2.00	4.59	
Total Xylenes*	<0.150	0.150	10/20/2023	ND	6.53	109	6.00	5.05	
Total BTEX	<0.300	0.300	10/20/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 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	<16.0	16.0	10/20/2023	ND	432	108	400	3.77	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/19/2023	ND	206	103	200	1.90	
DRO >C10-C28*	<10.0	10.0	10/19/2023	ND	195	97.7	200	3.68	
EXT DRO >C28-C36	<10.0	10.0	10/19/2023	ND					
Surrogate: 1-Chlorooctane	105	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	121	% 49.1-14	8						

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

Received:	10/19/2023	Sampling Date:	10/18/2023
Reported:	10/20/2023	Sampling Type:	Soil
Project Name:	BEU CONNECTOR PW BOOSTER/MOBLE	Sampling Condition:	Cool & Intact
Project Number:	03C558043	Sample Received By:	Tamara Oldaker
Project Location:	32.2907,-103.86159		

Sample ID: FS 06 2.5FT (H235719-06)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/20/2023	ND	2.16	108	2.00	2.19	
Toluene*	<0.050	0.050	10/20/2023	ND	2.08	104	2.00	3.71	
Ethylbenzene*	<0.050	0.050	10/20/2023	ND	2.17	108	2.00	4.59	
Total Xylenes*	<0.150	0.150	10/20/2023	ND	6.53	109	6.00	5.05	
Total BTEX	<0.300	0.300	10/20/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 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	10/20/2023	ND	432	108	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/19/2023	ND	206	103	200	1.90	
DRO >C10-C28*	<10.0	10.0	10/19/2023	ND	195	97.7	200	3.68	
EXT DRO >C28-C36	<10.0	10.0	10/19/2023	ND					
Surrogate: 1-Chlorooctane	105	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	121	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	10/19/2023	Sampling Date:	10/18/2023
Reported:	10/20/2023	Sampling Type:	Soil
Project Name:	BEU CONNECTOR PW BOOSTER/MOBLE	Sampling Condition:	Cool & Intact
Project Number:	03C558043	Sample Received By:	Tamara Oldaker
Project Location:	32.2907,-103.86159		

Sample ID: FS 07 2FT (H235719-07)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/20/2023	ND	2.16	108	2.00	2.19	
Toluene*	<0.050	0.050	10/20/2023	ND	2.08	104	2.00	3.71	
Ethylbenzene*	<0.050	0.050	10/20/2023	ND	2.17	108	2.00	4.59	
Total Xylenes*	<0.150	0.150	10/20/2023	ND	6.53	109	6.00	5.05	
Total BTEX	<0.300	0.300	10/20/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	108	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	10/20/2023	ND	432	108	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/19/2023	ND	206	103	200	1.90	
DRO >C10-C28*	<10.0	10.0	10/19/2023	ND	195	97.7	200	3.68	
EXT DRO >C28-C36	<10.0	10.0	10/19/2023	ND					
Surrogate: 1-Chlorooctane	106	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	122	% 49.1-14	8						

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Celeg 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. Keine

Celey D. Keene, Lab Director/Quality Manager



Page 10 of 10



October 20, 2023

BEN BELILL ENSOLUM

3122 NATIONAL PARKS HWY

CARLSBAD, NM 88220

RE: BEU CONNECTOR PW BOOSTER/MOBLEY RANCH PIPELINE

Enclosed are the results of analyses for samples received by the laboratory on 10/19/23 16:09.

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/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



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

Received:	10/19/2023	Sampling Date:	10/19/2023
Reported:	10/20/2023	Sampling Type:	Soil
Project Name:	BEU CONNECTOR PW BOOSTER/MOBLE	Sampling Condition:	Cool & Intact
Project Number:	03C558043	Sample Received By:	Shalyn Rodriguez
Project Location:	32.2907,-103.86159		

Sample ID: FS 08 2 (H235734-01)

BTEX 8021B	mg,	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Benzene*	<0.050	0.050	10/20/2023	ND	2.17	108	2.00	1.37	
Toluene*	<0.050	0.050	10/20/2023	ND	2.21	110	2.00	2.17	
Ethylbenzene*	<0.050	0.050	10/20/2023	ND	2.16	108	2.00	4.02	
Total Xylenes*	<0.150	0.150	10/20/2023	ND	6.30	105	6.00	5.68	
Total BTEX	<0.300	0.300	10/20/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	124	% 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	10/20/2023	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	10/19/2023	ND	182	90.9	200	1.33	
DRO >C10-C28*	<10.0	10.0	10/19/2023	ND	195	97.7	200	0.530	
EXT DRO >C28-C36	<10.0	10.0	10/19/2023	ND					
Surrogate: 1-Chlorooctane	93.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	102	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	10/19/2023	Sampling Date:	10/19/2023
Reported:	10/20/2023	Sampling Type:	Soil
Project Name:	BEU CONNECTOR PW BOOSTER/MOBLE	Sampling Condition:	Cool & Intact
Project Number:	03C558043	Sample Received By:	Shalyn Rodriguez
Project Location:	32.2907,-103.86159		

Sample ID: FS 09 2 (H235734-02)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/20/2023	ND	2.17	108	2.00	1.37	
Toluene*	<0.050	0.050	10/20/2023	ND	2.21	110	2.00	2.17	
Ethylbenzene*	<0.050	0.050	10/20/2023	ND	2.16	108	2.00	4.02	
Total Xylenes*	<0.150	0.150	10/20/2023	ND	6.30	105	6.00	5.68	
Total BTEX	<0.300	0.300	10/20/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	122 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	10/20/2023	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	10/19/2023	ND	182	90.9	200	1.33	
DRO >C10-C28*	<10.0	10.0	10/19/2023	ND	195	97.7	200	0.530	
EXT DRO >C28-C36	<10.0	10.0	10/19/2023	ND					
Surrogate: 1-Chlorooctane	89.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	95.4	% 49.1-14	8						

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	10/19/2023	Sampling Date:	10/19/2023
Reported:	10/20/2023	Sampling Type:	Soil
Project Name:	BEU CONNECTOR PW BOOSTER/MOBLE	Sampling Condition:	Cool & Intact
Project Number:	03C558043	Sample Received By:	Shalyn Rodriguez
Project Location:	32.2907,-103.86159		

Sample ID: FS 10 2 (H235734-03)

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/20/2023	ND	2.17	108	2.00	1.37	
Toluene*	<0.050	0.050	10/20/2023	ND	2.21	110	2.00	2.17	
Ethylbenzene*	<0.050	0.050	10/20/2023	ND	2.16	108	2.00	4.02	
Total Xylenes*	<0.150	0.150	10/20/2023	ND	6.30	105	6.00	5.68	
Total BTEX	<0.300	0.300	10/20/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	123	% 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	10/20/2023	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	10/19/2023	ND	182	90.9	200	1.33	
DRO >C10-C28*	<10.0	10.0	10/19/2023	ND	195	97.7	200	0.530	
EXT DRO >C28-C36	<10.0	10.0	10/19/2023	ND					
Surrogate: 1-Chlorooctane	87.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	95.6	% 49.1-14	8						

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	10/19/2023	Sampling Date:	10/19/2023
Reported:	10/20/2023	Sampling Type:	Soil
Project Name:	BEU CONNECTOR PW BOOSTER/MOBLE	Sampling Condition:	Cool & Intact
Project Number:	03C558043	Sample Received By:	Shalyn Rodriguez
Project Location:	32.2907,-103.86159		

Sample ID: FS 11 2 (H235734-04)

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/20/2023	ND	2.17	108	2.00	1.37	
Toluene*	<0.050	0.050	10/20/2023	ND	2.21	110	2.00	2.17	
Ethylbenzene*	<0.050	0.050	10/20/2023	ND	2.16	108	2.00	4.02	
Total Xylenes*	<0.150	0.150	10/20/2023	ND	6.30	105	6.00	5.68	
Total BTEX	<0.300	0.300	10/20/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	118 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	10/20/2023	ND	400	100	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	10/19/2023	ND	182	90.9	200	1.33	
DRO >C10-C28*	<10.0	10.0	10/19/2023	ND	195	97.7	200	0.530	
EXT DRO >C28-C36	<10.0	10.0	10/19/2023	ND					
Surrogate: 1-Chlorooctane	76.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	82.7	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	10/19/2023	Sampling Date:	10/19/2023
Reported:	10/20/2023	Sampling Type:	Soil
Project Name:	BEU CONNECTOR PW BOOSTER/MOBLE	Sampling Condition:	Cool & Intact
Project Number:	03C558043	Sample Received By:	Shalyn Rodriguez
Project Location:	32.2907,-103.86159		

Sample ID: SW 01 0-2 (H235734-05)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/20/2023	ND	2.17	108	2.00	1.37	
Toluene*	<0.050	0.050	10/20/2023	ND	2.21	110	2.00	2.17	
Ethylbenzene*	<0.050	0.050	10/20/2023	ND	2.16	108	2.00	4.02	
Total Xylenes*	<0.150	0.150	10/20/2023	ND	6.30	105	6.00	5.68	
Total BTEX	<0.300	0.300	10/20/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	117 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	10/20/2023	ND	400	100	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	10/20/2023	ND	182	90.9	200	1.33	
DRO >C10-C28*	<10.0	10.0	10/20/2023	ND	195	97.7	200	0.530	
EXT DRO >C28-C36	<10.0	10.0	10/20/2023	ND					
Surrogate: 1-Chlorooctane	83.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	92.9	% 49.1-14	8						

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



Notes and Definitions

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

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

	P.O. #	Company Name: Ens Project Manager: B Address: 3122 Nation City: Carlsbad Project Name: B Project Name: B Sampler Name: B Sampler Name: B Sampler Name: Sc For LAB I.D. S National Science For Labore Name: Sc For Labore Name: Sc For Labore Science Science International Science analyse. All daims including these service. Into event shall calinate analyse. All daims including these service. Into event shall calinate	nal Parks Hwy nal Parks Hwy 2.29045 CAMEGO 2.2907, 2.2	Dept (feet (feet values here values the servers here values the servers here values the values the	Provide a solution based in control of the solution based in contr	P.O. # P.O. # Company: XIC EN Address: SUFE EN State: Toxae Zip: 846 Phone #: 575 200 Fax #: PRESERV ACID/BASE: ACID/BASE: City: Middress State: Toxae Zip: 846 Phone #: 575 200 Fax #: City: Middress DTHER: ACID/BASE: ACID/BASE: ACID/BASE: DATE	TIME TIME CI- (JAM 4500) TIME CI- (JAM 4500) TIME Subjective to the applicable to	ANALYSIS REQUEST
FAX (575) 393-2476	BILL ID ANALISIS	(5	(575) 393-2326 F.	AX (575) 393-24	176			ANALVSIS REDUES
ANA YSIS		Company Name: Ens	solum, LLC			BILLIO		
ansolum, LLC P.O. # P.O. #		Advace: 3122 Nation	nal Parks Hw			XTO E	3	
Be III P.O. # Company: XTO ENLIGY	tional Parks Hwy	City: Carlsbad		State: NM	Zip: 88220	Sarnett Gr	S	
State: NM Zip: 88220 Attn: Cog (ret) Green	tional Parks Hwy State: NM Zip: 88220 Attn: Co. (re+C	P A	5	Fax #:		DULE	SUG	
BILL TO ANALYSIS Bolill P.O. #: Imy State: NM State: NM Zip: 88220 Attn: Company: XIO Energy Address: JUVE Green	tional Parks Hwy State: NM Zip: 88220 Attn: Co. (ret) Address: 504E		õ	Project Owne	a	alpide Inc 12 pord	5	
BILL TO ANALYSIS My State: NM Zip: 88220 P.O. #: BSC)_ Fax #: Company: XIO Enverofy Broiser Duner: Address: Dividende	tional Parks Hwy State: NM Zip: 88220 Attn: Co. (ret) -854-0852 Fax #: -854-0852 Fax #: -855-0852	Project #: UCIU	CLO20	PIOJect Onin	1	State: Toyle		
BILL TO ANALYSIS My P.0. #: State: NM Zip: 88220 Attn: Councell Green Address: SIGHE Green Project Owner: City: Midding	tional Parks Hwy State: NM Zip: 88220 -854-0852 Fax #: -854045 Project Owner: -654045 Project Project Owner: -654045 Project Proj	Project Name:	xconnector	fullBooste	Amades Roucher	Phone #:575	20	
BILL TO ANALYSIS May State: NM Zip: 88220 P.O. #: SSD_ Fax #: Company: XIO ENURGY Attn: Connett Green Project Owner: Address: SIONE Green Address: SIONE Green Project Owner: City: Middlene City: Middlene Project Owner: City: Middlene City: Middlene Project Owner: City: Middlene City: Middlene	tional Parks Hwy State: NM Zip: 88220 -854-0852 Fax #: -854045 Project Owner: -253045 Project Own	Project Location: 5		10009			-	
BILL TO ANALYSIS State: NM Zip: 88220 State: NM Zip: 88220 Attn: Conneny: XIO Envirol BS2_Fax #: Address: SOURE Green Project Owner: Address: SOURE Green Project Owner: City: Mideme Chorf Cubboo Ster/Model Roundwicking City: Mideme Phone #: STS_200 Of Fax #: Phone #: STS_200	tional Parks Hwy State: NM Zip: 88220 Attn: Co, Meth Green SSG04S Fax #: SSG04S Project Owner: SSG04S Project Owner: SSG04S Project Owner: City: Method City: Method State: Toxae Zip: 86320 Phone #: 575 200 0729 Fax #: Fax #:	С	1	10.00	MATRIX		1	
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October 23, 2023

BEN BELILL ENSOLUM 3122 NATIONAL PARKS HWY

CARLSBAD, NM 88220

RE: BEU CONNECTOR PW BOOSTER/MOBLEY RANCH PIPELINE

Enclosed are the results of analyses for samples received by the laboratory on 10/20/23 15:33.

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/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



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

Received:	10/20/2023	Sampling Date:	10/20/2023
Reported:	10/23/2023	Sampling Type:	Soil
Project Name:	BEU CONNECTOR PW BOOSTER/MOBLE	Sampling Condition:	Cool & Intact
Project Number:	03C1558045	Sample Received By:	Dionica Hinojos
Project Location:	32.2907,-103.86159		

Sample ID: FS 12 2FT (H235770-01)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Benzene*	<0.050	0.050	10/20/2023	ND	2.01	100	2.00	7.92	
Toluene*	<0.050	0.050	10/20/2023	ND	2.05	103	2.00	9.60	
Ethylbenzene*	<0.050	0.050	10/20/2023	ND	2.06	103	2.00	11.1	
Total Xylenes*	<0.150	0.150	10/20/2023	ND	6.01	100	6.00	10.4	
Total BTEX	<0.300	0.300	10/20/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	117 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	10/23/2023	ND	400	100	400	7.69	
TPH 8015M	mg/	kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/20/2023	ND	185	92.5	200	1.90	
DRO >C10-C28*	<10.0	10.0	10/20/2023	ND	182	90.9	200	5.31	
EXT DRO >C28-C36	<10.0	10.0	10/20/2023	ND					
Surrogate: 1-Chlorooctane	89.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	91.3	% 49.1-14	0						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	10/20/2023	Sampling Date:	10/20/2023
Reported:	10/23/2023	Sampling Type:	Soil
Project Name:	BEU CONNECTOR PW BOOSTER/MOBLE	Sampling Condition:	Cool & Intact
Project Number:	03C1558045	Sample Received By:	Dionica Hinojos
Project Location:	32.2907,-103.86159		

Sample ID: FS 13 2FT (H235770-02)

BTEX 8021B	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/20/2023	ND	2.01	100	2.00	7.92	
Toluene*	<0.050	0.050	10/20/2023	ND	2.05	103	2.00	9.60	
Ethylbenzene*	<0.050	0.050	10/20/2023	ND	2.06	103	2.00	11.1	
Total Xylenes*	<0.150	0.150	10/20/2023	ND	6.01	100	6.00	10.4	
Total BTEX	<0.300	0.300	10/20/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	121 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	10/23/2023	ND	400	100	400	7.69	
TPH 8015M	mg/	′kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/20/2023	ND	185	92.5	200	1.90	
DRO >C10-C28*	<10.0	10.0	10/20/2023	ND	182	90.9	200	5.31	
EXT DRO >C28-C36	<10.0	10.0	10/20/2023	ND					
Surrogate: 1-Chlorooctane	92.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	93.5	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	10/20/2023	Sampling Date:	10/20/2023
Reported:	10/23/2023	Sampling Type:	Soil
Project Name:	BEU CONNECTOR PW BOOSTER/MOBLE	Sampling Condition:	Cool & Intact
Project Number:	03C1558045	Sample Received By:	Dionica Hinojos
Project Location:	32.2907,-103.86159		

Sample ID: FS 14 2FT (H235770-03)

BTEX 8021B	mg,	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/20/2023	ND	2.01	100	2.00	7.92	
Toluene*	<0.050	0.050	10/20/2023	ND	2.05	103	2.00	9.60	
Ethylbenzene*	<0.050	0.050	10/20/2023	ND	2.06	103	2.00	11.1	
Total Xylenes*	<0.150	0.150	10/20/2023	ND	6.01	100	6.00	10.4	
Total BTEX	<0.300	0.300	10/20/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	122	% 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	10/23/2023	ND	400	100	400	7.69	
TPH 8015M	mg,	′kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/20/2023	ND	185	92.5	200	1.90	
DRO >C10-C28*	<10.0	10.0	10/20/2023	ND	182	90.9	200	5.31	
EXT DRO >C28-C36	<10.0	10.0	10/20/2023	ND					
Surrogate: 1-Chlorooctane	120	48.2-13	4						
Surrogate: 1-Chlorooctadecane	121	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	10/20/2023	Sampling Date:	10/20/2023
Reported:	10/23/2023	Sampling Type:	Soil
Project Name:	BEU CONNECTOR PW BOOSTER/MOBLE	Sampling Condition:	Cool & Intact
Project Number:	03C1558045	Sample Received By:	Dionica Hinojos
Project Location:	32.2907,-103.86159		

Sample ID: FS 15 2FT (H235770-04)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/20/2023	ND	2.01	100	2.00	7.92	
Toluene*	<0.050	0.050	10/20/2023	ND	2.05	103	2.00	9.60	
Ethylbenzene*	<0.050	0.050	10/20/2023	ND	2.06	103	2.00	11.1	
Total Xylenes*	<0.150	0.150	10/20/2023	ND	6.01	100	6.00	10.4	
Total BTEX	<0.300	0.300	10/20/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	117 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	704	16.0	10/23/2023	ND	400	100	400	7.69	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/20/2023	ND	185	92.5	200	1.90	
DRO >C10-C28*	<10.0	10.0	10/20/2023	ND	182	90.9	200	5.31	
EXT DRO >C28-C36	<10.0	10.0	10/20/2023	ND					
Surrogate: 1-Chlorooctane	94.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	94.9	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	10/20/2023	Sampling Date:	10/20/2023
Reported:	10/23/2023	Sampling Type:	Soil
Project Name:	BEU CONNECTOR PW BOOSTER/MOBLE	Sampling Condition:	Cool & Intact
Project Number:	03C1558045	Sample Received By:	Dionica Hinojos
Project Location:	32.2907,-103.86159		

Sample ID: FS 16 2FT (H235770-05)

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/20/2023	ND	2.01	100	2.00	7.92	
Toluene*	<0.050	0.050	10/20/2023	ND	2.05	103	2.00	9.60	
Ethylbenzene*	<0.050	0.050	10/20/2023	ND	2.06	103	2.00	11.1	
Total Xylenes*	<0.150	0.150	10/20/2023	ND	6.01	100	6.00	10.4	
Total BTEX	<0.300	0.300	10/20/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	118 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	10/23/2023	ND	400	100	400	7.69	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/20/2023	ND	185	92.5	200	1.90	
DRO >C10-C28*	<10.0	10.0	10/20/2023	ND	182	90.9	200	5.31	
EXT DRO >C28-C36	<10.0	10.0	10/20/2023	ND					
Surrogate: 1-Chlorooctane	96.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	97.9	% 49.1-14	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	10/20/2023	Sampling Date:	10/20/2023
Reported:	10/23/2023	Sampling Type:	Soil
Project Name:	BEU CONNECTOR PW BOOSTER/MOBLE	Sampling Condition:	Cool & Intact
Project Number:	03C1558045	Sample Received By:	Dionica Hinojos
Project Location:	32.2907,-103.86159		

Sample ID: FS 17 3FT (H235770-06)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/20/2023	ND	2.01	100	2.00	7.92	
Toluene*	<0.050	0.050	10/20/2023	ND	2.05	103	2.00	9.60	
Ethylbenzene*	<0.050	0.050	10/20/2023	ND	2.06	103	2.00	11.1	
Total Xylenes*	<0.150	0.150	10/20/2023	ND	6.01	100	6.00	10.4	
Total BTEX	<0.300	0.300	10/20/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	120	% 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	368	16.0	10/23/2023	ND	400	100	400	3.92	
TPH 8015M	mg/	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/20/2023	ND	185	92.5	200	1.90	
DRO >C10-C28*	<10.0	10.0	10/20/2023	ND	182	90.9	200	5.31	
EXT DRO >C28-C36	<10.0	10.0	10/20/2023	ND					
Surrogate: 1-Chlorooctane	86.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	87.3	% 49.1-14	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	10/20/2023	Sampling Date:	10/20/2023
Reported:	10/23/2023	Sampling Type:	Soil
Project Name:	BEU CONNECTOR PW BOOSTER/MOBLE	Sampling Condition:	Cool & Intact
Project Number:	03C1558045	Sample Received By:	Dionica Hinojos
Project Location:	32.2907,-103.86159		

Sample ID: FS 18 3FT (H235770-07)

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/20/2023	ND	2.01	100	2.00	7.92	
Toluene*	<0.050	0.050	10/20/2023	ND	2.05	103	2.00	9.60	
Ethylbenzene*	<0.050	0.050	10/20/2023	ND	2.06	103	2.00	11.1	
Total Xylenes*	<0.150	0.150	10/20/2023	ND	6.01	100	6.00	10.4	
Total BTEX	<0.300	0.300	10/20/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	120 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	336	16.0	10/23/2023	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	10/20/2023	ND	185	92.5	200	1.90	
DRO >C10-C28*	<10.0	10.0	10/20/2023	ND	182	90.9	200	5.31	
EXT DRO >C28-C36	<10.0	10.0	10/20/2023	ND					
Surrogate: 1-Chlorooctane	73.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	73.8	% 49.1-14	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	10/20/2023	Sampling Date:	10/20/2023
Reported:	10/23/2023	Sampling Type:	Soil
Project Name:	BEU CONNECTOR PW BOOSTER/MOBLE	Sampling Condition:	Cool & Intact
Project Number:	03C1558045	Sample Received By:	Dionica Hinojos
Project Location:	32.2907,-103.86159		

Sample ID: FS 19 3FT (H235770-08)

BTEX 8021B	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/20/2023	ND	2.01	100	2.00	7.92	
Toluene*	<0.050	0.050	10/20/2023	ND	2.05	103	2.00	9.60	
Ethylbenzene*	<0.050	0.050	10/20/2023	ND	2.06	103	2.00	11.1	
Total Xylenes*	<0.150	0.150	10/20/2023	ND	6.01	100	6.00	10.4	
Total BTEX	<0.300	0.300	10/20/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	117 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	10/23/2023	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	10/20/2023	ND	185	92.5	200	1.90	
DRO >C10-C28*	<10.0	10.0	10/20/2023	ND	182	90.9	200	5.31	
EXT DRO >C28-C36	<10.0	10.0	10/20/2023	ND					
Surrogate: 1-Chlorooctane	66.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	67.0	% 49.1-14	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	10/20/2023	Sampling Date:	10/20/2023
Reported:	10/23/2023	Sampling Type:	Soil
Project Name:	BEU CONNECTOR PW BOOSTER/MOBLE	Sampling Condition:	Cool & Intact
Project Number:	03C1558045	Sample Received By:	Dionica Hinojos
Project Location:	32.2907,-103.86159		

Sample ID: FS 20 3FT (H235770-09)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/20/2023	ND	2.01	100	2.00	7.92	
Toluene*	<0.050	0.050	10/20/2023	ND	2.05	103	2.00	9.60	
Ethylbenzene*	<0.050	0.050	10/20/2023	ND	2.06	103	2.00	11.1	
Total Xylenes*	<0.150	0.150	10/20/2023	ND	6.01	100	6.00	10.4	
Total BTEX	<0.300	0.300	10/20/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	120	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	10/23/2023	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	10/20/2023	ND	185	92.5	200	1.90	
DRO >C10-C28*	<10.0	10.0	10/20/2023	ND	182	90.9	200	5.31	
EXT DRO >C28-C36	<10.0	10.0	10/20/2023	ND					
Surrogate: 1-Chlorooctane	102	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	103	% 49.1-14	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	10/20/2023	Sampling Date:	10/20/2023
Reported:	10/23/2023	Sampling Type:	Soil
Project Name:	BEU CONNECTOR PW BOOSTER/MOBLE	Sampling Condition:	Cool & Intact
Project Number:	03C1558045	Sample Received By:	Dionica Hinojos
Project Location:	32.2907,-103.86159		

Sample ID: SW 02 0-3 (H235770-10)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/20/2023	ND	2.01	100	2.00	7.92	
Toluene*	<0.050	0.050	10/20/2023	ND	2.05	103	2.00	9.60	
Ethylbenzene*	<0.050	0.050	10/20/2023	ND	2.06	103	2.00	11.1	
Total Xylenes*	<0.150	0.150	10/20/2023	ND	6.01	100	6.00	10.4	
Total BTEX	<0.300	0.300	10/20/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	121	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	10/23/2023	ND	400	100	400	3.92	
TPH 8015M	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/20/2023	ND	185	92.5	200	1.90	
DRO >C10-C28*	<10.0	10.0	10/20/2023	ND	182	90.9	200	5.31	
EXT DRO >C28-C36	<10.0	10.0	10/20/2023	ND					
Surrogate: 1-Chlorooctane	94.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	95.0	% 49.1-14	8						

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Celeg 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

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

Received by OCD: 6/13/2024 4:28:20 PM

(575) 393-2326 FAX (575) 393-2476 Company Name: Ensolum, LLC
Lust mananti, nobos, NM 88240

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Page 178 of 306



October 25, 2023

BEN BELILL ENSOLUM 3122 NATIONAL PARKS HWY CARLSBAD, NM 88220

RE: BEU CONNECTOR PW BOOSTER

Enclosed are the results of analyses for samples received by the laboratory on 10/24/23 13:15.

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/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



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

Received:	10/24/2023	Sampling Date:	10/23/2023
Reported:	10/25/2023	Sampling Type:	Soil
Project Name:	BEU CONNECTOR PW BOOSTER	Sampling Condition:	Cool & Intact
Project Number:	03C1558045	Sample Received By:	Tamara Oldaker
Project Location:	32.2907,-103.86159		

Sample ID: FS 21 3' (H235814-01)

BTEX 8021B	mg,	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Benzene*	<0.050	0.050	10/24/2023	ND	1.95	97.3	2.00	5.21	
Toluene*	<0.050	0.050	10/24/2023	ND	2.12	106	2.00	3.79	
Ethylbenzene*	<0.050	0.050	10/24/2023	ND	2.08	104	2.00	2.96	
Total Xylenes*	<0.150	0.150	10/24/2023	ND	6.30	105	6.00	2.70	
Total BTEX	<0.300	0.300	10/24/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	10/25/2023	ND	432	108	400	3.64	
TPH 8015M	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/24/2023	ND	176	88.0	200	4.23	
DRO >C10-C28*	<10.0	10.0	10/24/2023	ND	192	96.0	200	3.98	
EXT DRO >C28-C36	<10.0	10.0	10/24/2023	ND					
Surrogate: 1-Chlorooctane	113 % 48.2-134		4						
Surrogate: 1-Chlorooctadecane	130	% 49.1-14	0						

Cardinal Laboratories

*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager


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

Received:	10/24/2023	Sampling Date:	10/23/2023
Reported:	10/25/2023	Sampling Type:	Soil
Project Name:	BEU CONNECTOR PW BOOSTER	Sampling Condition:	Cool & Intact
Project Number:	03C1558045	Sample Received By:	Tamara Oldaker
Project Location:	32.2907,-103.86159		

Sample ID: FS 22 3' (H235814-02)

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	10/24/2023	ND	1.95	97.3	2.00	5.21	
Toluene*	<0.050	0.050	10/24/2023	ND	2.12	106	2.00	3.79	
Ethylbenzene*	<0.050	0.050	10/24/2023	ND	2.08	104	2.00	2.96	
Total Xylenes*	<0.150	0.150	10/24/2023	ND	6.30	105	6.00	2.70	
Total BTEX	<0.300	0.300	10/24/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 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	144	16.0	10/25/2023	ND	432	108	400	3.64	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/24/2023	ND	176	88.0	200	4.23	
DRO >C10-C28*	<10.0	10.0	10/24/2023	ND	192	96.0	200	3.98	
EXT DRO >C28-C36	<10.0	10.0	10/24/2023	ND					
Surrogate: 1-Chlorooctane	110 9	48.2-13	4						
Surrogate: 1-Chlorooctadecane	126	% 49.1-14	8						

Cardinal Laboratories

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	10/24/2023	Sampling Date:	10/23/2023
Reported:	10/25/2023	Sampling Type:	Soil
Project Name:	BEU CONNECTOR PW BOOSTER	Sampling Condition:	Cool & Intact
Project Number:	03C1558045	Sample Received By:	Tamara Oldaker
Project Location:	32.2907,-103.86159		

Sample ID: FS 23 3' (H235814-03)

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	10/24/2023	ND	1.95	97.3	2.00	5.21	
Toluene*	<0.050	0.050	10/24/2023	ND	2.12	106	2.00	3.79	
Ethylbenzene*	<0.050	0.050	10/24/2023	ND	2.08	104	2.00	2.96	
Total Xylenes*	<0.150	0.150	10/24/2023	ND	6.30	105	6.00	2.70	
Total BTEX	<0.300	0.300	10/24/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	10/25/2023	ND	448	112	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/24/2023	ND	176	88.0	200	4.23	
DRO >C10-C28*	<10.0	10.0	10/24/2023	ND	192	96.0	200	3.98	
EXT DRO >C28-C36	<10.0	10.0	10/24/2023	ND					
Surrogate: 1-Chlorooctane	100	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	114 9	% 49.1-14	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	10/24/2023	Sampling Date:	10/23/2023
Reported:	10/25/2023	Sampling Type:	Soil
Project Name:	BEU CONNECTOR PW BOOSTER	Sampling Condition:	Cool & Intact
Project Number:	03C1558045	Sample Received By:	Tamara Oldaker
Project Location:	32.2907,-103.86159		

Sample ID: FS 24 3' (H235814-04)

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	10/24/2023	ND	1.95	97.3	2.00	5.21	
Toluene*	<0.050	0.050	10/24/2023	ND	2.12	106	2.00	3.79	
Ethylbenzene*	<0.050	0.050	10/24/2023	ND	2.08	104	2.00	2.96	
Total Xylenes*	<0.150	0.150	10/24/2023	ND	6.30	105	6.00	2.70	
Total BTEX	<0.300	0.300	10/24/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	107 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	10/25/2023	ND	448	112	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/24/2023	ND	176	88.0	200	4.23	
DRO >C10-C28*	<10.0	10.0	10/24/2023	ND	192	96.0	200	3.98	
EXT DRO >C28-C36	<10.0	10.0	10/24/2023	ND					
Surrogate: 1-Chlorooctane	98.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	113 9	% 49.1-14	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	10/24/2023	Sampling Date:	10/23/2023
Reported:	10/25/2023	Sampling Type:	Soil
Project Name:	BEU CONNECTOR PW BOOSTER	Sampling Condition:	Cool & Intact
Project Number:	03C1558045	Sample Received By:	Tamara Oldaker
Project Location:	32.2907,-103.86159		

Sample ID: FS 25 3' (H235814-05)

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	10/24/2023	ND	1.95	97.3	2.00	5.21	
Toluene*	<0.050	0.050	10/24/2023	ND	2.12	106	2.00	3.79	
Ethylbenzene*	<0.050	0.050	10/24/2023	ND	2.08	104	2.00	2.96	
Total Xylenes*	<0.150	0.150	10/24/2023	ND	6.30	105	6.00	2.70	
Total BTEX	<0.300	0.300	10/24/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	106 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	448	112	400	0.00	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/24/2023	ND	176	88.0	200	4.23	
DRO >C10-C28*	<10.0	10.0	10/24/2023	ND	192	96.0	200	3.98	
EXT DRO >C28-C36	<10.0	10.0	10/24/2023	ND					
Surrogate: 1-Chlorooctane	102 9	48.2-13	4						
Surrogate: 1-Chlorooctadecane	117 9	% 49.1-14	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	10/24/2023	Sampling Date:	10/23/2023
Reported:	10/25/2023	Sampling Type:	Soil
Project Name:	BEU CONNECTOR PW BOOSTER	Sampling Condition:	Cool & Intact
Project Number:	03C1558045	Sample Received By:	Tamara Oldaker
Project Location:	32.2907,-103.86159		

Sample ID: FS 26 3' (H235814-06)

BTEX 8021B	mg,	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/24/2023	ND	1.95	97.3	2.00	5.21	
Toluene*	<0.050	0.050	10/24/2023	ND	2.12	106	2.00	3.79	
Ethylbenzene*	<0.050	0.050	10/24/2023	ND	2.08	104	2.00	2.96	
Total Xylenes*	<0.150	0.150	10/24/2023	ND	6.30	105	6.00	2.70	
Total BTEX	<0.300	0.300	10/24/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	108	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	10/25/2023	ND	448	112	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/25/2023	ND	176	88.0	200	4.23	
DRO >C10-C28*	<10.0	10.0	10/25/2023	ND	192	96.0	200	3.98	
EXT DRO >C28-C36	<10.0	10.0	10/25/2023	ND					
Surrogate: 1-Chlorooctane	105	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	121	% 49.1-14	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	10/24/2023	Sampling Date:	10/23/2023
Reported:	10/25/2023	Sampling Type:	Soil
Project Name:	BEU CONNECTOR PW BOOSTER	Sampling Condition:	Cool & Intact
Project Number:	03C1558045	Sample Received By:	Tamara Oldaker
Project Location:	32.2907,-103.86159		

Sample ID: FS 27 2' (H235814-07)

BTEX 8021B	mg,	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/24/2023	ND	1.95	97.3	2.00	5.21	
Toluene*	<0.050	0.050	10/24/2023	ND	2.12	106	2.00	3.79	
Ethylbenzene*	<0.050	0.050	10/24/2023	ND	2.08	104	2.00	2.96	
Total Xylenes*	<0.150	0.150	10/24/2023	ND	6.30	105	6.00	2.70	
Total BTEX	<0.300	0.300	10/24/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	10/25/2023	ND	448	112	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/25/2023	ND	176	88.0	200	4.23	
DRO >C10-C28*	<10.0	10.0	10/25/2023	ND	192	96.0	200	3.98	
EXT DRO >C28-C36	<10.0	10.0	10/25/2023	ND					
Surrogate: 1-Chlorooctane	104	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	119 9	% 49.1-14	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	10/24/2023	Sampling Date:	10/23/2023
Reported:	10/25/2023	Sampling Type:	Soil
Project Name:	BEU CONNECTOR PW BOOSTER	Sampling Condition:	Cool & Intact
Project Number:	03C1558045	Sample Received By:	Tamara Oldaker
Project Location:	32.2907,-103.86159		

Sample ID: FS 28 2' (H235814-08)

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	10/24/2023	ND	1.95	97.3	2.00	5.21	
Toluene*	<0.050	0.050	10/24/2023	ND	2.12	106	2.00	3.79	
Ethylbenzene*	<0.050	0.050	10/24/2023	ND	2.08	104	2.00	2.96	
Total Xylenes*	<0.150	0.150	10/24/2023	ND	6.30	105	6.00	2.70	
Total BTEX	<0.300	0.300	10/24/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	10/25/2023	ND	448	112	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/25/2023	ND	176	88.0	200	4.23	
DRO >C10-C28*	<10.0	10.0	10/25/2023	ND	192	96.0	200	3.98	
EXT DRO >C28-C36	<10.0	10.0	10/25/2023	ND					
Surrogate: 1-Chlorooctane	99.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	114 9	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	10/24/2023	Sampling Date:	10/23/2023
Reported:	10/25/2023	Sampling Type:	Soil
Project Name:	BEU CONNECTOR PW BOOSTER	Sampling Condition:	Cool & Intact
Project Number:	03C1558045	Sample Received By:	Tamara Oldaker
Project Location:	32.2907,-103.86159		

Sample ID: FS 29 2' (H235814-09)

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	10/24/2023	ND	1.95	97.3	2.00	5.21	
Toluene*	<0.050	0.050	10/24/2023	ND	2.12	106	2.00	3.79	
Ethylbenzene*	<0.050	0.050	10/24/2023	ND	2.08	104	2.00	2.96	
Total Xylenes*	<0.150	0.150	10/24/2023	ND	6.30	105	6.00	2.70	
Total BTEX	<0.300	0.300	10/24/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	10/25/2023	ND	448	112	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/25/2023	ND	176	88.0	200	4.23	
DRO >C10-C28*	<10.0	10.0	10/25/2023	ND	192	96.0	200	3.98	
EXT DRO >C28-C36	<10.0	10.0	10/25/2023	ND					
Surrogate: 1-Chlorooctane	106	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	121	% 49.1-14	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	10/24/2023	Sampling Date:	10/23/2023
Reported:	10/25/2023	Sampling Type:	Soil
Project Name:	BEU CONNECTOR PW BOOSTER	Sampling Condition:	Cool & Intact
Project Number:	03C1558045	Sample Received By:	Tamara Oldaker
Project Location:	32.2907,-103.86159		

Sample ID: FS 15A 3' (H235814-10)

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	10/24/2023	ND	1.95	97.3	2.00	5.21	
Toluene*	<0.050	0.050	10/24/2023	ND	2.12	106	2.00	3.79	
Ethylbenzene*	<0.050	0.050	10/24/2023	ND	2.08	104	2.00	2.96	
Total Xylenes*	<0.150	0.150	10/24/2023	ND	6.30	105	6.00	2.70	
Total BTEX	<0.300	0.300	10/24/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	107 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	10/25/2023	ND	448	112	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/25/2023	ND	176	88.0	200	4.23	
DRO >C10-C28*	<10.0	10.0	10/25/2023	ND	192	96.0	200	3.98	
EXT DRO >C28-C36	<10.0	10.0	10/25/2023	ND					
Surrogate: 1-Chlorooctane	103 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	119 9	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



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.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500CI-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Rece

-2476 -247 -2476 -247 -2476 -247 -2476 -247 -2476 -247 -2476 -247 -2476 -247 -2476 -247 -247 -247 -247 -247 -247 -247 -247	ALL II BILL TO ANN 26 FAX (575) 393-2476 60. # 60. # 26 FAX (575) 393-2476 60. # 60. # 27 Fax #: No 60. # 60. # 29 FAX (575) 393-2476 60. # 60. # 60. # 20 FAX (575) 393-2476 60. # 60. # 60. # 20 Fax #: No 60. # 60. # 60. # 20 Fax #: No 10. # 10. # 10. # 21 Fax #: No 10. # 10. # 10. # 21 Fax #: No 10. # 10. # 10. # 21 Fax #: No 10. # 10. # 10. # 22 Fax #: No 10. # 10. # 10. # 22 Fax #: No 10. # 10. # 10. # 22 Fax #: No 10. # 10. # 10. # 23 Fax #: 0. # 10. # 10. # 10. # 23 Fax #: 0. # 10. # 10. # 10. # 23 Fax #: 0. # 10. # 10. # 10. # 24 Fax # 10. # 10. # 10. # 10. # 25 Fax #: 10. # 10. # 10. # 10. # 26 Fax # <t< th=""><th>VC HYes Yes Corrected Temp. °C</th><th>(Initials) Thermometer ID #115 O.M.</th><th>,</th><th>C</th><th>Corrected Temp. °C</th><th>Bus - Other:</th><th>Sampler - UPS -</th></t<>	VC HYes Yes Corrected Temp. °C	(Initials) Thermometer ID #115 O.M.	,	C	Corrected Temp. °C	Bus - Other:	Sampler - UPS -
and, Hobbs, NM 88240 26 FAX (675) 333-2476 27 FaX #: Discrete State: NM Zip: 88220 ST FaX #: Discrete State: NM Zip: 88220 Attn: Contract For Discrete State: State: NM Zip: 88220 Attn: Contract For Discrete State: Sta	ALCORES and, Hobbs, NM 88240 26 FAX (575) 393-2476 27 Fax #: Project Owner: MCHC V & ICH 10 Project Owner: MCHC V & ICH 1	ard Bacteria (only) Sample Condition	urnaround Time: Standar	CHECKED BY:	1 Sample Conditio	Observed Temp. °C	Circle One)	Delivered By: ((
and, Hobbs, NM 88240 26 FAX (575) 393-2476 Project Owner, Michael State: NM Zip: 88220 SS Fax #: Project Owner, Michael State: Tower State State: Tower State Project Owner, Michael State: Tower State	Actories and, Hobbs, NM 88240 26 FAX (576) 393-2476 Ny State: NM Zip: 88220 Actin: Company: XID Frog Project Owner: Middley Runkliche Company: XID Frog Project Owner: Middley Runkliche Company: XID Frog Actin: Company: XID Frog Actin: Comp	3151424, NAAP2316045729	2 D	HOX	Received By:	Date: Time:	y: O	elinquished E
and, Hobbs, NM 88240 26 FAX (575) 393-2476 My State: NM Zip: 89220 Project Owner: MOdel y Runch Meller City: Minute Meller Project Owner: MOdel y Runch Meller City: Minute Meller City: Minute Meller Project Owner: MOdel y Runch Meller City: Minute Meller City: Minute Meller Project Owner: MOdel y Runch Meller City: Minute Meller City: Minute Meller Project Owner: MOdel y Runch Meller City: Minute Meller Project Owner: Model y Runch Meller City: Minute Meller Project Owner: Model y Runch Meller City: Minute Meller Project Owner: Taxas Zip: 55 City: Minute Meller Soli L OIL DEPth OIL DEPth OIL DIL GE : ACID/BASE VASTEWATER Soli L OIL DIL GE : ACID/BASE Soli L OIL DIL GE	and, Hobbs, NM 88240 26 FAX (575) 393-2476 27 FAX (575) 393-2476 28 FAX (575) 393-2476 29 FAX (575) 393-2476 20 FAX (575) 393-2476 20 FAX (575) 393-2476 20 FAX (575) 393-2476 20 FAX (575) 393-2476 21 Fax # Project Owner: MUCH Y Kurch Mick Piece 21 Fax # Project Owner: MUCH Y Kurch Mick Piece 21 Fax # Depth (feet) (feet) (feet) (g) RAB D OR (C) OMP. 23 GIL (G) RAB D OR (C) OMP. 24 GIL (Feet) (feet) (feet) (g) RAB D OR (C) OMP. 24 GIL (Feet) 01 JE (G) RAB D OR (C) OMP. 24 GIL (Feet) 02 JE (G) RAB D OR (C) OMP. 25 OIL 01 JE (G) RAB D OR (C) OMP. 26 GIL (G) RAB D OR (C) OMP. 27 GIL (Feet) 02 JE (G) RAB D OR (C) OMP. 28 GIL (Feet) 03 GIL (G) RAB S OIL 04 GIL (Feet) 04 GIL (Feet) 05 GIL (G) RAB S OIL 06 GIL (Feet)	movide Email address: Noerteensolur	I Results are emailed. Please p bccl 10 Emailed. Please p wol (1) Socydeniac)	and the second		Date: 24-23 Time: 315	A:	elinquished B
and, Hobbs, NM 88240 26 FAX (575) 393-2476 Mwy State: NM Zip: 88220 Project Owner: Middley Rurchildler Project Owner: Middley Rurchildler Company: XTO H Po. # Company: XTO H Address: 3DVEC Company: XTO H Address: 3DVEC Company: XTO H Address: 3DVEC Company: XTO H Address: 3DVEC Solid So	ALD FIES and, Hobbs, NM 88240 28 FAX (575) 393-2476 28 FAX (575) 393-2476 28 FAX (575) 393-2476 29 Project Owner: MCLEY Runch Heller Project Owner: MCLEY Runch Heller Company: XD H Company: XD H Address: 3D H E Company: XD H Address: 3D H C H E Company: XD H C H E C		plicable	nal within 30 days after o of profits incurred by clie f the above stated reason	leemed waived unless made in writing and n without limitation, business interruptions, lo rdinal, regardless of whether such claim is b	ance of services hereunder by Ca	and Damages. Caroniats leonity and ling those for negligence and any o Cardinal be liable for incidental or o sing out of or related to the perform	LASE NOTE: Liability v hyses, All claims includ vice. In no event shall (lates or successors aris
and, Hobbs, NM 88240 26 FAX (575) 393-2476 27 Fax #: NM Zip: 88220 Project Owner: Middley & Company: XTO H Project Owner: Middley & Address: 30/4E (Company: XTO H Company: XTO H Company: XTO H Address: 30/4E (Company: XTO H Company: XTO H Co	Attories and, Hobbs, NM 88240 26 FAX (575) 393-2476 Project Owner: Middley Runch Hilling Project Owner: Middley Runch Hilling Project Owner: Middley Runch Hilling Company: XTO H Address: 3DVEC P.0. # Company: XTO H Address: 3DVEC Phone # Project Owner: Middley Runch Hilling Company: XTO H Address: 3DVEC Company: XTO H Address: 3DVEC Phone # Phone # Ph		Die V	shall be limited to the amount paid by t	a whether based in contract or	- Bartin and a for an	FSISA	10
and, Hobbs, NM 88240 26 FAX (575) 393-2476 27 Fax #: NM Zip: 88220 State: NM Zip: 88220 Project Owner: MCHEY & Inthe City - Middle Company: XTO H Project Owner: MCHEY & Inthe State: Tools Zip: 68 Company: XTO H Address: 304 H G Company: XTO H Address: 304 H G City - Middle City - City -	and, Hobbs, NM 88240 26 FAX (675) 393-2476 State: NM Zip: 88220 Project Owner: MCdrey & Company: XTO H Company: XTO H Com		3.0.1.1			بر	FS 29	90
and, Hobbs, NM 88240 26 FAX (575) 393-2476 BILL TO State: NM Zip: 88220 Fax #: Company: XTO H Noject Owner: Middley Runch Hildline City: Middley Project Owner: Middley Runch Hildline City: Middley Company: XTO H Company: XTO H Address: 3 DVEC Company: XTO H Address: 3 DVEC City: Middley Runch Kielline City: Middley MATRIX Soll OIL SLUDGE OTHER: CE / COOL OTHER: CE / COOL OTHER: CE / COOL OTHER: CE / COOL OTHER: CE / COOL	and, Hobbs, NM 88240 26 FAX (575) 393-2476 27 FAX (575) 393-2476 State: NM Zip: 88220 Project Owner: MU BOSK (Mad Bate: Texas Zip: 88 Company: XTO H Address: 3 DVE Company: XTO H Address: 3 DVE Company: XTO H Company: XTO H Address: 3 DVE City: Michael City: Mic		3.05			er	FS 27	ca
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Page 13 of 13



October 27, 2023

BEN BELILL ENSOLUM 3122 NATIONAL PARKS HWY

CARLSBAD, NM 88220

RE: BEU CONNECTOR PW BOOSTER/MOBLEY RANCH PIPELINE

Enclosed are the results of analyses for samples received by the laboratory on 10/26/23 15:32.

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/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Whe Singh

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



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

Received:	10/26/2023	Sampling Date:	10/26/2023
Reported:	10/27/2023	Sampling Type:	Soil
Project Name:	BEU CONNECTOR PW BOOSTER/MOBLE	Sampling Condition:	Cool & Intact
Project Number:	03C1558045	Sample Received By:	Tamara Oldaker
Project Location:	32.2907,-103.86159		

Sample ID: FS 37 2 (H235883-01)

BTEX 8021B	mg,	′kg	Analyze	d By: AW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Benzene*	<0.050	0.050	10/26/2023	ND	2.04	102	2.00	1.64	
Toluene*	<0.050	0.050	10/26/2023	ND	2.10	105	2.00	1.81	
Ethylbenzene*	<0.050	0.050	10/26/2023	ND	2.11	105	2.00	1.17	
Total Xylenes*	<0.150	0.150	10/26/2023	ND	6.30	105	6.00	0.0421	
Total BTEX	<0.300	0.300	10/26/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 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	Qualifie
Chloride	112	16.0	10/27/2023	ND	384	96.0	400	11.8	
TPH 8015M	mg,	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
GRO C6-C10*	<10.0	10.0	10/27/2023	ND	182	90.8	200	8.03	
DRO >C10-C28*	<10.0	10.0	10/27/2023	ND	199	99.5	200	0.376	
EXT DRO >C28-C36	<10.0	10.0	10/27/2023	ND					
Surrogate: 1-Chlorooctane	93.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	106	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

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



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

Received:	10/26/2023	Sampling Date:	10/26/2023
Reported:	10/27/2023	Sampling Type:	Soil
Project Name:	BEU CONNECTOR PW BOOSTER/MOBLE	Sampling Condition:	Cool & Intact
Project Number:	03C1558045	Sample Received By:	Tamara Oldaker
Project Location:	32.2907,-103.86159		

Sample ID: FS 38 2 (H235883-02)

BTEX 8021B	mg/	′kg	Analyze	d By: AW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/26/2023	ND	2.04	102	2.00	1.64	
Toluene*	<0.050	0.050	10/26/2023	ND	2.10	105	2.00	1.81	
Ethylbenzene*	<0.050	0.050	10/26/2023	ND	2.11	105	2.00	1.17	
Total Xylenes*	<0.150	0.150	10/26/2023	ND	6.30	105	6.00	0.0421	
Total BTEX	<0.300	0.300	10/26/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 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	10/27/2023	ND	384	96.0	400	11.8	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/27/2023	ND	182	90.8	200	8.03	
DRO >C10-C28*	<10.0	10.0	10/27/2023	ND	199	99.5	200	0.376	
EXT DRO >C28-C36	<10.0	10.0	10/27/2023	ND					
Surrogate: 1-Chlorooctane	105 9	48.2-13	4						
Surrogate: 1-Chlorooctadecane	118 9	% 49.1-14	8						

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



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

Received:	10/26/2023	Sampling Date:	10/26/2023
Reported:	10/27/2023	Sampling Type:	Soil
Project Name:	BEU CONNECTOR PW BOOSTER/MOBLE	Sampling Condition:	Cool & Intact
Project Number:	03C1558045	Sample Received By:	Tamara Oldaker
Project Location:	32.2907,-103.86159		

Sample ID: FS 39 2 (H235883-03)

BTEX 8021B	mg/	kg	Analyze	d By: AW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/26/2023	ND	2.04	102	2.00	1.64	
Toluene*	<0.050	0.050	10/26/2023	ND	2.10	105	2.00	1.81	
Ethylbenzene*	<0.050	0.050	10/26/2023	ND	2.11	105	2.00	1.17	
Total Xylenes*	<0.150	0.150	10/26/2023	ND	6.30	105	6.00	0.0421	
Total BTEX	<0.300	0.300	10/26/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	106 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	10/27/2023	ND	384	96.0	400	11.8	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/27/2023	ND	182	90.8	200	8.03	
DRO >C10-C28*	<10.0	10.0	10/27/2023	ND	199	99.5	200	0.376	
EXT DRO >C28-C36	<10.0	10.0	10/27/2023	ND					
Surrogate: 1-Chlorooctane	101 9	48.2-13	4						
Surrogate: 1-Chlorooctadecane	113 %	49.1-14	8						

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



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

Received:	10/26/2023	Sampling Date:	10/26/2023
Reported:	10/27/2023	Sampling Type:	Soil
Project Name:	BEU CONNECTOR PW BOOSTER/MOBLE	Sampling Condition:	Cool & Intact
Project Number:	03C1558045	Sample Received By:	Tamara Oldaker
Project Location:	32.2907,-103.86159		

Sample ID: FS 40 2 (H235883-04)

BTEX 8021B	mg,	/kg	Analyze	d By: AW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/26/2023	ND	2.04	102	2.00	1.64	
Toluene*	<0.050	0.050	10/26/2023	ND	2.10	105	2.00	1.81	
Ethylbenzene*	<0.050	0.050	10/26/2023	ND	2.11	105	2.00	1.17	
Total Xylenes*	<0.150	0.150	10/26/2023	ND	6.30	105	6.00	0.0421	
Total BTEX	<0.300	0.300	10/26/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 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	10/27/2023	ND	384	96.0	400	11.8	
TPH 8015M	mg,	/kg	Analyze	zed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/27/2023	ND	182	90.8	200	8.03	
DRO >C10-C28*	<10.0	10.0	10/27/2023	ND	199	99.5	200	0.376	
EXT DRO >C28-C36	<10.0	10.0	10/27/2023	ND					
Surrogate: 1-Chlorooctane	103	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	116 9	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

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



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

Received:	10/26/2023	Sampling Date:	10/26/2023
Reported:	10/27/2023	Sampling Type:	Soil
Project Name:	BEU CONNECTOR PW BOOSTER/MOBLE	Sampling Condition:	Cool & Intact
Project Number:	03C1558045	Sample Received By:	Tamara Oldaker
Project Location:	32.2907,-103.86159		

Sample ID: FS 35 3 (H235883-05)

BTEX 8021B	mg,	/kg	Analyze	d By: AW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/26/2023	ND	2.04	102	2.00	1.64	
Toluene*	<0.050	0.050	10/26/2023	ND	2.10	105	2.00	1.81	
Ethylbenzene*	<0.050	0.050	10/26/2023	ND	2.11	105	2.00	1.17	
Total Xylenes*	<0.150	0.150	10/26/2023	ND	6.30	105	6.00	0.0421	
Total BTEX	<0.300	0.300	10/26/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 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	10/27/2023	ND	448	112	400	7.41	
TPH 8015M	mg,	/kg	Analyze	Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/27/2023	ND	182	90.8	200	8.03	
DRO >C10-C28*	<10.0	10.0	10/27/2023	ND	199	99.5	200	0.376	
EXT DRO >C28-C36	<10.0	10.0	10/27/2023	ND					
Surrogate: 1-Chlorooctane	94.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	106	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

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



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

Received:	10/26/2023	Sampling Date:	10/26/2023
Reported:	10/27/2023	Sampling Type:	Soil
Project Name:	BEU CONNECTOR PW BOOSTER/MOBLE	Sampling Condition:	Cool & Intact
Project Number:	03C1558045	Sample Received By:	Tamara Oldaker
Project Location:	32.2907,-103.86159		

Sample ID: FS 36 3 (H235883-06)

BTEX 8021B	mg,	/kg	Analyze	d By: AW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/26/2023	ND	2.04	102	2.00	1.64	
Toluene*	<0.050	0.050	10/26/2023	ND	2.10	105	2.00	1.81	
Ethylbenzene*	<0.050	0.050	10/26/2023	ND	2.11	105	2.00	1.17	
Total Xylenes*	<0.150	0.150	10/26/2023	ND	6.30	105	6.00	0.0421	
Total BTEX	<0.300	0.300	10/26/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 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	10/27/2023	ND	448	112	400	7.41	
TPH 8015M	mg,	/kg	Analyze	Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/27/2023	ND	182	90.8	200	8.03	
DRO >C10-C28*	<10.0	10.0	10/27/2023	ND	199	99.5	200	0.376	
EXT DRO >C28-C36	<10.0	10.0	10/27/2023	ND					
Surrogate: 1-Chlorooctane	102	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	115 9	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

mite Sugar

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



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

Received:	10/26/2023	Sampling Date:	10/26/2023
Reported:	10/27/2023	Sampling Type:	Soil
Project Name:	BEU CONNECTOR PW BOOSTER/MOBLE	Sampling Condition:	Cool & Intact
Project Number:	03C1558045	Sample Received By:	Tamara Oldaker
Project Location:	32.2907,-103.86159		

Sample ID: SW 04 0-3' (H235883-07)

BTEX 8021B	mg,	/kg	Analyze	d By: AW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/26/2023	ND	2.04	102	2.00	1.64	
Toluene*	<0.050	0.050	10/26/2023	ND	2.10	105	2.00	1.81	
Ethylbenzene*	<0.050	0.050	10/26/2023	ND	2.11	105	2.00	1.17	
Total Xylenes*	<0.150	0.150	10/26/2023	ND	6.30	105	6.00	0.0421	
Total BTEX	<0.300	0.300	10/26/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	10/27/2023	ND	448	112	400	7.41	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/27/2023	ND	182	90.8	200	8.03	
DRO >C10-C28*	<10.0	10.0	10/27/2023	ND	199	99.5	200	0.376	
EXT DRO >C28-C36	<10.0	10.0	10/27/2023	ND					
Surrogate: 1-Chlorooctane	101	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	113 9	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

mite Sugar

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



Notes and Definitions

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

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

Cardinal Laboratories

*=Accredited Analyte

Mite Sugar

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Released to Imaging: 6/25/2024 8:06:17 AM

Received by	OCD:	6/13/2024	4:28:20 PM
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analyses. Al claims including those for negregative analyses of concentration of our related to the performant and the able for includent of our related to the performant and the second of our related to the performance of the second of the	(575) 393-2326 FAX (6/9) 393-2326 Company Name: Ensolum, LLC Project Manager: BQA BQA BQA BQA Address: 3122 National Parks Hwy State: NM Z City: Carlsbad Project Name Project Name Project Name Project Name Project Commercial Commercia	101 East Marland, Hobbs, NM 88240
All Result: I Yes I No Add Phones: A Add Phone State Prevented Pares, Prevented by Cardial Ingention of services herewards by Cardial Ingention of the above stated resorts are emailed. Please provide Email address: A Control of the phone of services herewards by Cardia Phone By: The Pare: The	BILL TO Ip: 88220 Address: Sibr E Containers Address: Sibr E Concerned Address: Sibr E Concerned Ip: 88220 Address: Sibr E Concerned Address: Sibr E Concerned Ip: 88220 Address: Sibr E Concerned Address: Sibr E Concerned Ip: 88220 Ip: 88220 Address: Sibr E Concerned Ip: 88220	

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Received by OCD: 6/13/2024 4:28:20 PM



Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Ben Belill Ensolum 601 N. Marienfeld St. Suite 400 Midland, Texas 79701 Generated 11/13/2023 1:18:20 PM

JOB DESCRIPTION

Beu Connector Mobley Ranch Pipeline SDG NUMBER 32.2907,-105.86154

JOB NUMBER

890-5564-1

Eurofins Carlsbad 1089 N Canal St. Carlsbad NM 88220

See page two for job notes and contact information

Eurofins Carlsbad

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Authorization

AMER

Generated 11/13/2023 1:18:20 PM

Authorized for release by Jessica Kramer, Project Manager Jessica.Kramer@et.eurofinsus.com (432)704-5440

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Released to Imaging: 6/25/2024 8:06:17 AM

Laboratory Job ID: 890-5564-1

SDG: 32.2907,-105.86154

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Definitions/Glossary

Client: Ensolum Project/Site: Beu Connector Mobley Ranch Pipeline

Qualifiers

quainor		<u>3</u>
GC VOA		
Qualifier	Qualifier Description	
F1	MS and/or MSD recovery exceeds control limits.	
F2	MS/MSD RPD exceeds control limits	5
S1-	Surrogate recovery exceeds control limits, low biased.	
S1+	Surrogate recovery exceeds control limits, high biased.	
U	Indicates the analyte was analyzed for but not detected.	
GC Semi V	VOA	
Qualifier	Qualifier Description	
*1	LCS/LCSD RPD exceeds control limits.	8
S1+	Surrogate recovery exceeds control limits, high biased.	
U	Indicates the analyte was analyzed for but not detected.	Q
HPLC/IC		
Qualifier	Qualifier Description	
F1	MS and/or MSD recovery exceeds control limits.	
U	Indicates the analyte was analyzed for but not detected.	

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job ID: 890-5564-1

SDG: 32.2907,-105.86154

Eurofins Carlsbad

Case Narrative

Client: Ensolum Project/Site: Beu Connector Mobley Ranch Pipeline Job ID: 890-5564-1 SDG: 32.2907,-105.86154

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Job ID: 890-5564-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative 890-5564-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method. Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt

The samples were received on 11/3/2023 8:21 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.0°C

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: SW11 (890-5564-1), SW12 (890-5564-2), FS45 (890-5564-3), FS46 (890-5564-4), FS47 (890-5564-5), FS48 (890-5564-6), FS49 (890-5564-7), SW13 (890-5564-8), SW14 (890-5564-9), SW15 (890-5564-10), SW16 (890-5564-11), FS50 (890-5564-12), SW17 (890-5564-13), FS51 (890-5564-14), SW18 (890-5564-15), FS52 (890-5564-16), FS53 (890-5564-17), SW19 (890-5564-18), SW20 (890-5564-19), FS54 (890-5564-20), FS55 (890-5564-21) and FS56 (890-5564-22).

GC VOA

Method 8021B: Surrogate recovery for the following samples were outside control limits: FS45 (890-5564-3), FS46 (890-5564-4), FS47 (890-5564-5), FS48 (890-5564-6), FS49 (890-5564-7), SW13 (890-5564-8), SW14 (890-5564-9), SW15 (890-5564-10), FS53 (890-5564-17), SW20 (890-5564-19) and (890-5564-A-1-C MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-66321 and analytical batch 880-66359 was outside the control limits.

Method 8021B: Surrogate recovery for the following samples were outside control limits: (LCS 880-66358/1-A) and (MB 880-66358/5-A). Evidence of matrix interferences is not obvious.

Method 8021B: The method blank for preparation batch 880-66358 and analytical batch 880-66359 contained Benzene above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) precision for preparation batch 880-66321 and analytical batch 880-66359 was outside control limits. Sample non-homogeneity is suspected.

Method 8021B: Surrogate recovery for the following samples were outside control limits: FS55 (890-5564-21), FS56 (890-5564-22), (CCV 880-66703/33), (CCV 880-66703/82) and (890-5569-A-21-F). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-66435 and analytical batch 880-66703 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 8021B: Surrogate recovery for the following samples were outside control limits: (890-5569-A-21-D MS) and (890-5569-A-21-E

Case Narrative

Job ID: 890-5564-1 (Continued)

Laboratory: Eurofins Carlsbad (Continued)

MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC Semi VOA

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-66317 and analytical batch 880-66340 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (CCV 880-66340/20) and (CCV 880-66340/5). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-66315 and analytical batch 880-66346 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: SW11 (890-5564-1), SW12 (890-5564-2), FS45 (890-5564-3), FS46 (890-5564-4), FS47 (890-5564-5), FS48 (890-5564-6), FS49 (890-5564-7), SW13 (890-5564-8), SW14 (890-5564-9), SW15 (890-5564-10), SW16 (890-5564-11), FS50 (890-5564-12), SW17 (890-5564-13), FS51 (890-5564-14), (890-5563-A-19-A), (890-5563-A-19-B MS) and (890-5563-A-19-C MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (CCV 880-66346/20), (CCV 880-66346/31), (CCV 880-66346/51), (CCV 880-66346/57) and (CCV 880-66346/58). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 880-66315 and analytical batch 880-66346 recovered outside control limits for the following analytes: Diesel Range Organics (Over C10-C28).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

HPLC/IC

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-66356 and 880-66356 and analytical batch 880-66512 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-66357 and analytical batch 880-66513 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-66337 and analytical batch 880-66518 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Client Sample Results

Client: Ensolum Project/Site: Beu Connector Mobley Ranch Pipeline

Client Sample ID: SW11

Date Collected: 11/02/23 09:00 Date Received: 11/03/23 08:21

Sample Depth: 0-2

Job ID: 890-5564-1 SDG: 32.2907,-105.86154

Lab Sample ID: 890-5564-1

Matrix: Solid

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Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0.00200	U F2	0.00200	mg/Kg		11/06/23 17:15	11/08/23 05:35	
Toluene	<0.00200	U	0.00200	mg/Kg		11/06/23 17:15	11/08/23 05:35	
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		11/06/23 17:15	11/08/23 05:35	
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		11/06/23 17:15	11/08/23 05:35	• • • • • • •
o-Xylene	<0.00200	U	0.00200	mg/Kg		11/06/23 17:15	11/08/23 05:35	
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		11/06/23 17:15	11/08/23 05:35	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	104		70 - 130			11/06/23 17:15	11/08/23 05:35	
1,4-Difluorobenzene (Surr)	75		70 - 130			11/06/23 17:15	11/08/23 05:35	
Method: TAL SOP Total BTEX - Tot	al BTEX Calo	ulation						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Total BTEX	<0.00399	U	0.00399	mg/Kg			11/08/23 05:35	
Method: SW846 8015 NM - Diesel F	Range Organ	ics (DRO) (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Total TPH	<50.2	U	50.2	mg/Kg			11/07/23 14:55	
Method: SW846 8015B NM - Diesel	Range Orga	nics (DRO)	(GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Gasoline Range Organics (GRO)-C6-C10	<50.2	U	50.2	mg/Kg		11/06/23 16:30	11/07/23 14:55	
Diesel Range Organics (Over C10-C28)	<50.2	U *1	50.2	mg/Kg		11/06/23 16:30	11/07/23 14:55	
Oll Range Organics (Over C28-C36)	<50.2	U	50.2	mg/Kg		11/06/23 16:30	11/07/23 14:55	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
1-Chlorooctane	146	S1+	70 - 130			11/06/23 16:30	11/07/23 14:55	
o-Terphenyl	176	S1+	70 - 130			11/06/23 16:30	11/07/23 14:55	
Method: EPA 300.0 - Anions, Ion C	hromatograp	hy - Solubl	e					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Chloride	195		4.99	mg/Kg			11/08/23 08:53	
lient Sample ID: SW12						Lab San	nple ID: 890-	5564-2
ate Collected: 11/02/23 09:05							Matri	x: Solid
ate Received: 11/03/23 08:21								
ample Depth: 0-2								
Method: SW846 8021B - Volatile O	ganic Comp	ounds (GC))					
	Beault	Qualifier	ы	Unit	D	Prepared	Analyzed	Dil Fa
Analyte	Result	Quaimer	RL	onit		riepaieu	Analyzeu	Diria
Analyte Benzene	<0.00200	U	0.00200	mg/Kg		11/06/23 17:15	11/08/23 06:01	

Ethylbenzene <0.00200	Surrogate 4-Bromofluorobenzene (Surr)	% Recovery 109	Qualifier	Limits 70 - 130		Prepared 11/06/23 17:15	Analyzed 11/08/23 06:01	Dil Fac
m-Xylene & p-Xylene <a> <0.00401 U 0.00401 mg/Kg 11/06/23 17:15 11/08/23 06:01 1	Xylenes, Total	<0.00401	U	0.00401	mg/Kg	11/06/23 17:15	11/08/23 06:01	1
,	o-Xylene	<0.00200	U	0.00200	mg/Kg	11/06/23 17:15	11/08/23 06:01	1
Ethylbenzene <0.00200 U 0.00200 mg/Kg 11/06/23 17:15 11/08/23 06:01 1	m-Xylene & p-Xylene	<0.00401	U	0.00401	mg/Kg	11/06/23 17:15	11/08/23 06:01	1
	Ethylbenzene	<0.00200	U	0.00200	mg/Kg	11/06/23 17:15	11/08/23 06:01	1

Eurofins Carlsbad

Released to Imaging: 6/25/2024 8:06:17 AM

Project/Site: Beu Connector Mobley Ranch Pipeline

Matrix: Solid

5

Job ID: 890-5564-1 SDG: 32.2907,-105.86154

Lab Sample ID: 890-5564-2

Client Sample ID: SW12

Date Collected: 11/02/23 09:05 Date Received: 11/03/23 08:21

Sample Depth: 0-2

Client: Ensolum

Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	71		70 - 130			11/06/23 17:15	11/08/23 06:01	
Method: TAL SOP Total BTEX - To	otal BTEX Calo	culation						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401	mg/Kg			11/08/23 06:01	
Method: SW846 8015 NM - Diesel	Range Organ	ics (DRO) (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Total TPH	<50.5	U	50.5	mg/Kg			11/07/23 15:17	
Method: SW846 8015B NM - Dies	el Range Orga	nics (DRO)	(GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.5	U	50.5	mg/Kg		11/06/23 16:30	11/07/23 15:17	1
Diesel Range Organics (Over C10-C28)	<50.5	U *1	50.5	mg/Kg		11/06/23 16:30	11/07/23 15:17	
Oll Range Organics (Over C28-C36)	<50.5	U	50.5	mg/Kg		11/06/23 16:30	11/07/23 15:17	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	137	S1+	70 - 130			11/06/23 16:30	11/07/23 15:17	1
o-Terphenyl	165	S1+	70 - 130			11/06/23 16:30	11/07/23 15:17	1
Method: EPA 300.0 - Anions, Ion	Chromatograp	hy - Solubl	e					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	256		4.95	mg/Kg			11/08/23 09:09	

Date Collected: 11/02/23 09:10 Date Received: 11/03/23 08:21 Sample Depth: 2

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		11/06/23 17:15	11/08/23 06:26	1
Toluene	<0.00199	U	0.00199	mg/Kg		11/06/23 17:15	11/08/23 06:26	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		11/06/23 17:15	11/08/23 06:26	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		11/06/23 17:15	11/08/23 06:26	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		11/06/23 17:15	11/08/23 06:26	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		11/06/23 17:15	11/08/23 06:26	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	138	S1+	70 - 130			11/06/23 17:15	11/08/23 06:26	1
1,4-Difluorobenzene (Surr)	94		70 - 130			11/06/23 17:15	11/08/23 06:26	1
- Method: TAL SOP Total BTEX	- Total BTEX Cald	culation						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			11/08/23 06:26	1
- Method: SW846 8015 NM - Die	esel Range Organ	ics (DRO) (GC)					
	Bosult	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Analyte	Result	Quanner		onne		ricpuicu	Analyzeu	Dirrac

Eurofins Carlsbad

Project/Site: Beu Connector Mobley Ranch Pipeline

Client Sample Results

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Job ID: 890-5564-1 SDG: 32.2907,-105.86154

Lab Sample ID: 890-5564-3

Client Sample ID: FS45

Date Collected: 11/02/23 09:10 Date Received: 11/03/23 08:21

Sample Depth: 2

Client: Ensolum

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.5	U	50.5	mg/Kg		11/06/23 16:30	11/07/23 15:38	1
(GRO)-C6-C10								
Diesel Range Organics (Over	<50.5	U *1	50.5	mg/Kg		11/06/23 16:30	11/07/23 15:38	1
C10-C28)								
Oll Range Organics (Over C28-C36)	<50.5	U	50.5	mg/Kg		11/06/23 16:30	11/07/23 15:38	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	130		70 - 130			11/06/23 16:30	11/07/23 15:38	1
o-Terphenyl	155	S1+	70 - 130			11/06/23 16:30	11/07/23 15:38	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	180	4.98	mg/Kg			11/08/23 09:14	1

Client Sample ID: FS46

Date Collected: 11/02/23 09:15 Date Received: 11/03/23 08:21

Sample Depth: 2

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		11/06/23 17:15	11/08/23 06:52	1
Toluene	<0.00199	U	0.00199	mg/Kg		11/06/23 17:15	11/08/23 06:52	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		11/06/23 17:15	11/08/23 06:52	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		11/06/23 17:15	11/08/23 06:52	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		11/06/23 17:15	11/08/23 06:52	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		11/06/23 17:15	11/08/23 06:52	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	133	S1+	70 - 130			11/06/23 17:15	11/08/23 06:52	1
1,4-Difluorobenzene (Surr)	93		70 - 130			11/06/23 17:15	11/08/23 06:52	1
Method: TAL SOP Total BTEX - T Analyte Total BTEX		Qualifier	RL 0.00398	<mark>Unit</mark> mg/Kg	<u>D</u>	Prepared	Analyzed 11/08/23 06:52	Dil Fac
Analyte Total BTEX Method: SW846 8015 NM - Diese	Result <0.00398	Qualifier U ics (DRO) (0.00398 GC)	mg/Kg		<u> </u>	11/08/23 06:52	Dil Fac
Analyte Total BTEX	Result <0.00398	Qualifier U ics (DRO) (Qualifier	0.00398		<u>D</u>	Prepared Prepared		Dil Fac
Analyte Total BTEX Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte	Result <0.00398 Range Organ Result <49.7 Sel Range Orga Result	Qualifier U ics (DRO) (Qualifier U nics (DRO) Qualifier	0.00398 GC) RL 49.7 (GC) RL	mg/Kg Unit mg/Kg Unit		Prepared	Analyzed 11/07/23 16:00 Analyzed	1
Analyte Total BTEX Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics	Result <0.00398 Range Organ Result <49.7 Sel Range Orga	Qualifier U ics (DRO) (Qualifier U nics (DRO) Qualifier	0.00398 GC) <u>RL</u> 49.7 (GC)	mg/Kg Unit mg/Kg	D	Prepared	Analyzed 11/07/23 16:00	Dil Fac
Analyte Total BTEX Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Dies	Result <0.00398 Range Organ Result <49.7 Sel Range Orga Result	Qualifier U ics (DRO) (Qualifier U nics (DRO) Qualifier U	0.00398 GC) RL 49.7 (GC) RL	mg/Kg Unit mg/Kg Unit	D	Prepared	Analyzed 11/07/23 16:00 Analyzed	Dil Fac

Dil Fac %Recovery Qualifier Limits Prepared Analyzed Surrogate 1-Chlorooctane 70 - 130 11/06/23 16:30 11/07/23 16:00 127 1 o-Terphenyl 151 S1+ 70 - 130 11/06/23 16:30 11/07/23 16:00 1

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Matrix: Solid

5

Lab Sample ID: 890-5564-4 Matrix: Solid

5

		Clien	t Sample Re	sults				
Client: Ensolum							Job ID: 890)-5564-1
Project/Site: Beu Connector Mobley	/ Ranch Pipelin	e				SD	G: 32.2907,-10	5.86154
Client Sample ID: FS46						Lab Sar	nple ID: 890-	5564-4
Date Collected: 11/02/23 09:15							Matr	ix: Solid
Date Received: 11/03/23 08:21								
Sample Depth: 2								
 Method: EPA 300.0 - Anions, Ion	Chromatogram	hv - Solub	e					
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	235		5.04	mg/Kg			11/08/23 09:19	1
Client Sample ID: FS47						Lab Sar	nple ID: 890-	5564-5
Date Collected: 11/02/23 09:20							-	ix: Solid
Date Received: 11/03/23 08:21								
Sample Depth: 2								
Method: SW846 8021B - Volatile		ounds (GC Qualifier) RL	Unit	D	Bronorod	Applyzod	Dil Ea
Analyte Benzene	<0.00200		0.00200	0mt mg/Kg		Prepared 11/06/23 17:15	Analyzed 11/08/23 07:19	Dil Fa
Toluene	< 0.00200		0.00200	mg/Kg		11/06/23 17:15	11/08/23 07:19	
Ethylbenzene	< 0.00200		0.00200	mg/Kg		11/06/23 17:15	11/08/23 07:19	
m-Xylene & p-Xylene	<0.00399		0.00399	mg/Kg		11/06/23 17:15	11/08/23 07:19	
o-Xylene	<0.00200	U	0.00200	mg/Kg		11/06/23 17:15	11/08/23 07:19	
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		11/06/23 17:15	11/08/23 07:19	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	137		70 - 130			11/06/23 17:15	11/08/23 07:19	
1,4-Difluorobenzene (Surr)	79		70 - 130			11/06/23 17:15	11/08/23 07:19	1
_ Method: TAL SOP Total BTEX - T	otal BTEX Cal	culation						
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Total BTEX	<0.00399		0.00399	mg/Kg			11/08/23 07:19	
Method: SW846 8015 NM - Diese					_	<u> </u>		
		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Total TPH	<49.6	0	49.6	mg/Kg			11/07/23 16:45	
Method: SW846 8015B NM - Dies	el Range Orga	nics (DRO)	(GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6	mg/Kg		11/06/23 16:30	11/07/23 16:45	
Diesel Range Organics (Over C10-C28)	<49.6	U *1	49.6	mg/Kg		11/06/23 16:30	11/07/23 16:45	

C10-C28) Oll Range Organics (Over C28-C36) <49.6 U 49.6 11/07/23 16:45 mg/Kg 11/06/23 16:30 1 Dil Fac Surrogate %Recovery Qualifier Limits Prepared Analyzed 1-Chlorooctane 70 - 130 11/06/23 16:30 11/07/23 16:45 129 1 o-Terphenyl 153 S1+ 70 - 130 11/06/23 16:30 11/07/23 16:45 1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble Dil Fac Analyte Result Qualifier RL Unit D Prepared Analyzed 11/08/23 09:25 Chloride 256 5.03 mg/Kg 1

Client Sample Results

Client: Ensolum Project/Site: Beu Connector Mobley Ranch Pipeline

Client Sample ID: FS48

Date Collected: 11/02/23 10:00 Date Received: 11/03/23 08:21

Sample Depth: 2

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0.00200	U	0.00200	mg/Kg		11/06/23 17:15	11/08/23 07:46	
Toluene	<0.00200	U	0.00200	mg/Kg		11/06/23 17:15	11/08/23 07:46	
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		11/06/23 17:15	11/08/23 07:46	
m-Xylene & p-Xylene	<0.00401	U	0.00401	mg/Kg		11/06/23 17:15	11/08/23 07:46	
o-Xylene	<0.00200	U	0.00200	mg/Kg		11/06/23 17:15	11/08/23 07:46	
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		11/06/23 17:15	11/08/23 07:46	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	139	S1+	70 - 130			11/06/23 17:15	11/08/23 07:46	
1,4-Difluorobenzene (Surr)	98		70 - 130			11/06/23 17:15	11/08/23 07:46	
Method: TAL SOP Total BTEX - 1								
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Total BTEX	<0.00401	U	0.00401	mg/Kg			11/08/23 07:46	
Method: SW846 8015 NM - Diese								
Analyte Total TPH	Result <49.9	Qualifier	RL	Unit mg/Kg	D	Prepared	Analyzed 11/07/23 17:08	Dil Fa
Method: SW846 8015B NM - Dies	sel Range Orga	nics (DRO)	(GC)					
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		11/06/23 16:30	11/07/23 17:08	
Diesel Range Organics (Over C10-C28)	<49.9	U *1	49.9	mg/Kg		11/06/23 16:30	11/07/23 17:08	
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		11/06/23 16:30	11/07/23 17:08	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
1-Chlorooctane	122		70 - 130			11/06/23 16:30	11/07/23 17:08	
o-Terphenyl	147	S1+	70 - 130			11/06/23 16:30	11/07/23 17:08	
Method: EPA 300.0 - Anions, Ion		-						
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Chloride	251		4.98	mg/Kg			11/08/23 09:30	
lient Sample ID: FS49						Lab San	nple ID: 890-	
ate Collected: 11/02/23 10:05							Matri	x: Soli
ate Received: 11/03/23 08:21								
ample Depth: 3								
Method: SW846 8021B - Volatile	• •							
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa

Analyte	• •	Qualifier	RL	Unit	D	Prepared	Analyzad	Dil Fac
Analyte	Result	Quaimer	RL		U	Prepared	Analyzed	DIFac
Benzene	<0.00201	U	0.00201	mg/Kg		11/06/23 17:15	11/08/23 08:12	1
Toluene	<0.00201	U	0.00201	mg/Kg		11/06/23 17:15	11/08/23 08:12	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		11/06/23 17:15	11/08/23 08:12	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	mg/Kg		11/06/23 17:15	11/08/23 08:12	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		11/06/23 17:15	11/08/23 08:12	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		11/06/23 17:15	11/08/23 08:12	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	152	S1+	70 - 130			11/06/23 17:15	11/08/23 08:12	1

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Matrix: Solid

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Job ID: 890-5564-1 SDG: 32.2907,-105.86154

Lab Sample ID: 890-5564-6

Project/Site: Beu Connector Mobley Ranch Pipeline

Matrix: Solid

5

Job ID: 890-5564-1 SDG: 32.2907,-105.86154

Lab Sample ID: 890-5564-7

Client Sample ID: FS49

Date Collected: 11/02/23 10:05 Date Received: 11/03/23 08:21

Sample Depth: 3

Client: Ensolum

Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	98		70 - 130			11/06/23 17:15	11/08/23 08:12	1
Method: TAL SOP Total BTEX - T	otal BTEX Calo	culation						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			11/08/23 08:12	1
Method: SW846 8015 NM - Diese	I Range Organ	ics (DRO) (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.2	U	50.2	mg/Kg			11/07/23 17:30	1
Method: SW846 8015B NM - Dies	sel Range Orga	nics (DRO)	(GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.2	U	50.2	mg/Kg		11/06/23 16:30	11/07/23 17:30	1
Diesel Range Organics (Over C10-C28)	<50.2	U *1	50.2	mg/Kg		11/06/23 16:30	11/07/23 17:30	1
Oll Range Organics (Over C28-C36)	<50.2	U	50.2	mg/Kg		11/06/23 16:30	11/07/23 17:30	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane		S1+	70 - 130			11/06/23 16:30	11/07/23 17:30	1
o-Terphenyl	171	S1+	70 - 130			11/06/23 16:30	11/07/23 17:30	1
Method: EPA 300.0 - Anions, Ion	Chromatograp	hy - Solubl	e					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	334	F1	4.98	mg/Kg			11/08/23 09:35	1
lient Sample ID: SW13						Lah San	nple ID: 890-	5564-8

Sample Depth: 0-2

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		11/06/23 17:15	11/08/23 08:38	1
Toluene	<0.00199	U	0.00199	mg/Kg		11/06/23 17:15	11/08/23 08:38	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		11/06/23 17:15	11/08/23 08:38	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		11/06/23 17:15	11/08/23 08:38	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		11/06/23 17:15	11/08/23 08:38	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		11/06/23 17:15	11/08/23 08:38	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	150	S1+	70 - 130			11/06/23 17:15	11/08/23 08:38	1
1,4-Difluorobenzene (Surr)	102		70 - 130			11/06/23 17:15	11/08/23 08:38	1
Method: TAL SOP Total BTEX	- Total BTEX Cald	culation						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			11/08/23 08:38	1
Method: SW846 8015 NM - Die	esel Range Organ	ics (DRO) (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac

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Project/Site: Beu Connector Mobley Ranch Pipeline

Client Sample Results

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Job ID: 890-5564-1 SDG: 32.2907,-105.86154

Lab Sample ID: 890-5564-8

Lab Sample ID: 890-5564-9

Client Sample ID: SW13

Date Collected: 11/02/23 10:10 Date Received: 11/03/23 08:21

Sample Depth: 0-2

Client: Ensolum

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.4	U	50.4	mg/Kg		11/06/23 16:30	11/07/23 17:53	1
Diesel Range Organics (Over C10-C28)	<50.4	U *1	50.4	mg/Kg		11/06/23 16:30	11/07/23 17:53	1
Oll Range Organics (Over C28-C36)	<50.4	U	50.4	mg/Kg		11/06/23 16:30	11/07/23 17:53	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	130		70 - 130			11/06/23 16:30	11/07/23 17:53	1
o-Terphenyl	157	S1+	70 - 130			11/06/23 16:30	11/07/23 17:53	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	173	5.04	mg/Kg			11/08/23 09:51	1

Client Sample ID: SW14

Date Collected: 11/02/23 10:15 Date Received: 11/03/23 08:21

Sample Depth: 0-2

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198	mg/Kg		11/06/23 17:15	11/08/23 09:51	1
Toluene	<0.00198	U	0.00198	mg/Kg		11/06/23 17:15	11/08/23 09:51	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		11/06/23 17:15	11/08/23 09:51	1
m-Xylene & p-Xylene	<0.00396	U	0.00396	mg/Kg		11/06/23 17:15	11/08/23 09:51	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		11/06/23 17:15	11/08/23 09:51	1
Xylenes, Total	<0.00396	U	0.00396	mg/Kg		11/06/23 17:15	11/08/23 09:51	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130			11/06/23 17:15	11/08/23 09:51	1
1,4-Difluorobenzene (Surr)	70		70 - 130			11/06/23 17:15	11/08/23 09:51	1
Method: TAL SOP Total BTEX - 1	Total BTEX Calo	culation						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396	mg/Kg			11/08/23 09:51	1
- Method: SW846 8015 NM - Diese	el Range Organ	ics (DRO) (GC)					
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7	mg/Kg			11/07/23 18:14	1
- Method: SW846 8015B NM - Dies	sel Range Orga	nics (DRO)	(GC)					
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7	mg/Kg		11/06/23 16:30	11/07/23 18:14	1
Diesel Range Organics (Over C10-C28)	<49.7	U *1	49.7	mg/Kg		11/06/23 16:30	11/07/23 18:14	
			10.7	····		11/06/23 16:30	11/07/23 18:14	
Oll Range Organics (Over C28-C36)	<49.7	U	49.7	mg/Kg		11/06/23 10:30	11/07/23 10:14	1

Client Sample Results

		Clier	nt Sample Res	sults				
Client: Ensolum Project/Site: Beu Connector Mobley	Ranch Pipelin	e				SD	Job ID: 890 9G: 32.2907,-10	
Client Sample ID: SW14 Date Collected: 11/02/23 10:15						Lab San	nple ID: 890- Matri	5564-9 ix: Soli
Date Received: 11/03/23 08:21 Sample Depth: 0-2								
Method: EPA 300.0 - Anions, Ion	Chromotogram	aby Solub						
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Chloride	190		5.01	mg/Kg		·	11/08/23 09:56	
lient Sample ID: SW15						Lab Sam	ple ID: 890-5	564-1
ate Collected: 11/02/23 10:20 ate Received: 11/03/23 08:21							-	ix: Soli
ample Depth: 0-3								
Method: SW846 8021B - Volatile	Organic Comp	ounds (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0.00200	U	0.00200	mg/Kg		11/06/23 17:15	11/08/23 10:17	
Toluene	<0.00200	U	0.00200	mg/Kg		11/06/23 17:15	11/08/23 10:17	
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		11/06/23 17:15	11/08/23 10:17	
n-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		11/06/23 17:15	11/08/23 10:17	
o-Xylene	<0.00200	U	0.00200	mg/Kg		11/06/23 17:15	11/08/23 10:17	
Kylenes, Total	<0.00399	U	0.00399	mg/Kg		11/06/23 17:15	11/08/23 10:17	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil F
4-Bromofluorobenzene (Surr)		S1+	70 - 130			11/06/23 17:15	11/08/23 10:17	
1,4-Difluorobenzene (Surr)	119		70 - 130			11/06/23 17:15	11/08/23 10:17	
Method: TAL SOP Total BTEX - To	otal BTEX Cal	culation						
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil F
Total BTEX	<0.00399		0.00399	mg/Kg			11/08/23 10:17	
Method: SW846 8015 NM - Diesel	Range Organ	ics (DRO) (GC)					
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil F
Total TPH	<49.5		49.5	mg/Kg			11/07/23 18:36	
Method: SW846 8015B NM - Dies	el Range Orga	nics (DRO)						
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil F
Gasoline Range Organics (GRO)-C6-C10	<49.5	U	49.5	mg/Kg		11/06/23 16:30	11/07/23 18:36	
Diesel Range Organics (Over C10-C28)	<49.5	U *1	49.5	mg/Kg		11/06/23 16:30	11/07/23 18:36	
Oll Range Organics (Over C28-C36)	<49.5	U	49.5	mg/Kg		11/06/23 16:30	11/07/23 18:36	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil F
1-Chlorooctane	142	S1+	70 - 130			11/06/23 16:30	11/07/23 18:36	
o-Terphenyl	171	S1+	70 - 130			11/06/23 16:30	11/07/23 18:36	
Method: EPA 300.0 - Anions, Ion	Chromatograp	hy - Solub	le					
- Method: EPA 300.0 - Anions, Ion Analyte	• •	hy - Solub Qualifier	le RL	Unit	D	Prepared	Analyzed	Dil Fa

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Client Sample Results

Client: Ensolum Project/Site: Beu Connector Mobley Ranch Pipeline

Client Sample ID: SW16

Date Collected: 11/02/23 10:25 Date Received: 11/03/23 08:21

Sample Depth: 0-3

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0.00200	U	0.00200	mg/Kg		11/06/23 17:15	11/08/23 12:02	
Toluene	<0.00200	U	0.00200	mg/Kg		11/06/23 17:15	11/08/23 12:02	
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		11/06/23 17:15	11/08/23 12:02	
m-Xylene & p-Xylene	<0.00401	U	0.00401	mg/Kg		11/06/23 17:15	11/08/23 12:02	
p-Xylene	<0.00200	U	0.00200	mg/Kg		11/06/23 17:15	11/08/23 12:02	
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		11/06/23 17:15	11/08/23 12:02	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	111		70 - 130			11/06/23 17:15	11/08/23 12:02	
1,4-Difluorobenzene (Surr)	90		70 - 130			11/06/23 17:15	11/08/23 12:02	
Method: TAL SOP Total BTEX - To	otal BTEX Calo	culation						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Total BTEX	<0.00401	U	0.00401	mg/Kg			11/08/23 12:02	
Method: SW846 8015 NM - Diesel	Range Organ	ics (DRO) (GC)					
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Total TPH	<50.0	U	50.0	mg/Kg			11/07/23 18:57	
Method: SW846 8015B NM - Dies	el Range Orga	nice (DRO)	(60)					
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		11/06/23 16:30	11/07/23 18:57	
Diesel Range Organics (Over C10-C28)	<50.0	U *1	50.0	mg/Kg		11/06/23 16:30	11/07/23 18:57	
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		11/06/23 16:30	11/07/23 18:57	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil F
1-Chlorooctane	123		70 - 130			11/06/23 16:30	11/07/23 18:57	
o-Terphenyl	149	S1+	70 - 130			11/06/23 16:30	11/07/23 18:57	
Method: EPA 300.0 - Anions, Ion	Chromatograp	hy - Solubl	e					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Chloride	72.1		5.02	mg/Kg			11/08/23 10:17	
lient Sample ID: FS50						Lab Sam	ple ID: 890-5	564-1
ate Collected: 11/02/23 11:00							Matri	x: Soli
ate Received: 11/03/23 08:21								
ample Depth: 3								
Method: SW846 8021B - Volatile (Organic Comp	ounds (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0 00199	U	0.00199	ma/Ka		11/06/23 17:15	11/08/23 12.28	

			/					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		11/06/23 17:15	11/08/23 12:28	1
Toluene	<0.00199	U	0.00199	mg/Kg		11/06/23 17:15	11/08/23 12:28	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		11/06/23 17:15	11/08/23 12:28	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		11/06/23 17:15	11/08/23 12:28	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		11/06/23 17:15	11/08/23 12:28	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		11/06/23 17:15	11/08/23 12:28	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130			11/06/23 17:15	11/08/23 12:28	1

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Matrix: Solid

5

Job ID: 890-5564-1

SDG: 32.2907,-105.86154

Lab Sample ID: 890-5564-11
Matrix: Solid

5

Job ID: 890-5564-1 SDG: 32.2907,-105.86154

Lab Sample ID: 890-5564-12

Client Sample ID: FS50

Date Collected: 11/02/23 11:00 Date Received: 11/03/23 08:21

Sample Depth: 3

Client: Ensolum

Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	88		70 - 130			11/06/23 17:15	11/08/23 12:28	1
Method: TAL SOP Total BTEX - T	otal BTEX Calo	ulation						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			11/08/23 12:28	1
Method: SW846 8015 NM - Diese	I Range Organ	ics (DRO) (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			11/07/23 19:19	1
Method: SW846 8015B NM - Dies	el Range Orga	nics (DRO)	(GC)					
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0	mg/Kg		11/06/23 16:30	11/07/23 19:19	1
(GRO)-C6-C10 Diesel Range Organics (Over	<50.0	11*1	50.0	mg/Kg		11/06/23 16:30	11/07/23 19:19	1
C10-C28)	\$00.0	0 1	50.0	mg/rtg		11/00/23 10:50	11/07/20 19:19	
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		11/06/23 16:30	11/07/23 19:19	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane		S1+	70 - 130			11/06/23 16:30	11/07/23 19:19	1
o-Terphenyl	183	S1+	70 - 130			11/06/23 16:30	11/07/23 19:19	1
Method: EPA 300.0 - Anions, Ion	Chromatograp	hy - Solubl	e					
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
	157		5.01	mg/Kg			11/08/23 10:22	1

Date Collected: 11/02/23 11:05 Date Received: 11/03/23 08:21 Sample Depth: 0-3

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		11/06/23 17:15	11/08/23 12:54	1
Toluene	<0.00199	U	0.00199	mg/Kg		11/06/23 17:15	11/08/23 12:54	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		11/06/23 17:15	11/08/23 12:54	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		11/06/23 17:15	11/08/23 12:54	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		11/06/23 17:15	11/08/23 12:54	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		11/06/23 17:15	11/08/23 12:54	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130			11/06/23 17:15	11/08/23 12:54	1
1,4-Difluorobenzene (Surr)	95		70 - 130			11/06/23 17:15	11/08/23 12:54	1
Method: TAL SOP Total BTEX	- Total BTEX Cald	culation						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			11/08/23 12:54	1
- Method: SW846 8015 NM - Die	esel Range Organ	ics (DRO) (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Analyte								

Client Sample Results

Client: Ensolum Project/Site: Beu Connector Mobley Ranch Pipeline

Client Sample ID: SW17

Date Collected: 11/02/23 11:05 Date Received: 11/03/23 08:21

Sample Depth: 0-3

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1	mg/Kg		11/06/23 16:30	11/07/23 19:40	1
Diesel Range Organics (Over	<50.1	U *1	50.1	mg/Kg		11/06/23 16:30	11/07/23 19:40	1
C10-C28)								
Oll Range Organics (Over C28-C36)	<50.1	U	50.1	mg/Kg		11/06/23 16:30	11/07/23 19:40	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	140	S1+	70 - 130			11/06/23 16:30	11/07/23 19:40	1
o-Terphenyl	170	S1+	70 - 130			11/06/23 16:30	11/07/23 19:40	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	284	5.04	mg/Kg			11/08/23 10:27	1

Client Sample ID: FS51

Date Collected: 11/02/23 11:10 Date Received: 11/03/23 08:21

Sample Depth: 3

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		11/06/23 17:15	11/08/23 13:21	1
Toluene	<0.00200	U	0.00200	mg/Kg		11/06/23 17:15	11/08/23 13:21	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		11/06/23 17:15	11/08/23 13:21	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		11/06/23 17:15	11/08/23 13:21	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		11/06/23 17:15	11/08/23 13:21	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		11/06/23 17:15	11/08/23 13:21	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130			11/06/23 17:15	11/08/23 13:21	1
1,4-Difluorobenzene (Surr)	70		70 - 130			11/06/23 17:15	11/08/23 13:21	1
Method: SW846 8015 NM - Diese								
		ics (DRO) (Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Analyte		Qualifier		<mark>Unit</mark> mg/Kg	<u>D</u>	Prepared	Analyzed	Dil Fac
Analyte Total TPH	Result <50.4	Qualifier	RL 50.4	mg/Kg	<u> </u>	Prepared		1
Analyte Total TPH Method: SW846 8015B NM - Dies	Result <50.4	Qualifier U	RL 50.4		D	Prepared		Dil Fac 1 Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics	Result <50.4	Qualifier U Inics (DRO) Qualifier	RL 50.4	mg/Kg		<u>·</u>	11/07/23 20:02	1
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result <50.4 sel Range Orga Result	Qualifier U nics (DRO) Qualifier U	(GC) RL	mg/Kg		Prepared	11/07/23 20:02	1
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result <50.4	Qualifier U Qualifier U U *1	RL 50.4 (GC) RL 50.4 50.4	Unit mg/Kg mg/Kg mg/Kg		Prepared 11/06/23 16:30 11/06/23 16:30	Analyzed 11/07/23 20:02 11/07/23 20:02 11/07/23 20:02	1
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result <sol> Sel Range Orga Result <sol> <sol></sol> </sol></sol>	Qualifier U Qualifier U U *1	RL 50.4 (GC) RL 50.4	Unit mg/Kg		Prepared 11/06/23 16:30	11/07/23 20:02 Analyzed 11/07/23 20:02	1
Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate	Result <50.4	Qualifier U Qualifier U U *1 U	RL 50.4 (GC) RL 50.4 50.4	Unit mg/Kg mg/Kg mg/Kg		Prepared 11/06/23 16:30 11/06/23 16:30	Analyzed 11/07/23 20:02 11/07/23 20:02 11/07/23 20:02	1

70 - 130

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11/07/23 20:02

11/06/23 16:30

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Job ID: 890-5564-1 SDG: 32.2907,-105.86154

Lab Sample ID: 890-5564-13

Lab Sample ID: 890-5564-14

Matrix: Solid

 ad
 Dil Fac
 5

 9:40
 1
 6

 9:40
 1
 7

 9:40
 1
 7

 9:40
 1
 8

 ad
 Dil Fac
 9

 9:40
 1
 9

 9:40
 1
 9

 9:40
 1
 9

 9:40
 1
 10

 ad
 Dil Fac
 9

 0:27
 1
 10

 90-5564-14
 12
 12

 Matrix: Solid
 13
 13

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173 S1+

1

o-Terphenyl

Client: Ensolum		Clier	nt Sample Rea	sults				EEGA -
Project/Site: Beu Connector Moble	/ Ranch Pipelin	е				SD	Job ID: 890 G: 32.2907,-10	
lient Sample ID: FS51						Lab Sam	ple ID: 890-5	564-1
ate Collected: 11/02/23 11:10							Matri	x: Soli
ate Received: 11/03/23 08:21								
ample Depth: 3								
-								
Method: EPA 300.0 - Anions, Ion Analyte		hy - Solub Qualifier	le RL	Unit	D	Prepared	Analyzed	Dil Fa
Chloride	215		5.02				11/08/23 10:32	
Night Comple ID: CM/19						Lob Som		EG 4 4
Client Sample ID: SW18						Lab Sam	ple ID: 890-5	
ate Collected: 11/02/23 11:15							Matri	x: Soli
Pate Received: 11/03/23 08:21								
ample Depth: 0-2								
Method: SW846 8021B - Volatile	Organic Comp	ounds (GC)					
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0.00200	U	0.00200	mg/Kg		11/06/23 17:15	11/08/23 13:47	
Toluene	<0.00200	U	0.00200	mg/Kg		11/06/23 17:15	11/08/23 13:47	
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		11/06/23 17:15	11/08/23 13:47	
m-Xylene & p-Xylene	<0.00401	U	0.00401	mg/Kg		11/06/23 17:15	11/08/23 13:47	
o-Xylene	<0.00200	U	0.00200	mg/Kg		11/06/23 17:15	11/08/23 13:47	
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		11/06/23 17:15	11/08/23 13:47	
0	0/ D	0	1 : :4			D escriptions of	A	D# 5
Surrogate	%Recovery	Qualifier	<i>Limits</i>			Prepared	Analyzed	Dil F
4-Bromofluorobenzene (Surr)	96		70 - 130 70 - 120			11/06/23 17:15	11/08/23 13:47	
1,4-Difluorobenzene (Surr)	89		70 - 130			11/06/23 17:15	11/08/23 13:47	
Method: TAL SOP Total BTEX - 1	otal BTEX Calo	culation						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Total BTEX	<0.00401	U	0.00401	mg/Kg			11/08/23 13:47	
Method: SW846 8015 NM - Diese Analyte		Qualifier	(GC) RL	Unit	D	Prepared	Analyzed	Dil Fa
Total TPH	<49.8		49.8	mg/Kg			11/07/23 12:51	
•				5 5				
Method: SW846 8015B NM - Dies	sel Range Orga	nics (DRO) (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	mg/Kg		11/06/23 16:35	11/07/23 12:51	
Diesel Range Organics (Over	<49.8	U	49.8	mg/Kg		11/06/23 16:35	11/07/23 12:51	
C10-C28) Oll Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		11/06/23 16:35	11/07/23 12:51	
Surrogate	% Pacavar	Qualifier	Limits			Droparad	Analuzad	Dil F
Surrogate 1-Chlorooctane	_ %Recovery 93	Qualifier	70 - 130			Prepared 11/06/23 16:35	Analyzed 11/07/23 12:51	
o-Terphenyl	93 94		70 - 130 70 - 130			11/06/23 16:35	11/07/23 12:51	
Method: EPA 300.0 - Anions, Ion		-						
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Chloride	224		5.04	mg/Kg			11/08/23 10:38	

Client Sample Results

Client: Ensolum Project/Site: Beu Connector Mobley Ranch Pipeline

Client Sample ID: FS52

Date Collected: 11/02/23 11:20 Date Received: 11/03/23 08:21

Sample Depth: 3

11/08/23 14:13 11/08/23 14:13 11/08/23 14:13 11/08/23 14:13 11/08/23 14:13 11/08/23 14:13 11/08/23 14:13 11/08/23 14:13 11/08/23 14:13 11/08/23 14:13 11/08/23 14:13 11/08/23 14:13 11/08/23 14:13 11/08/23 14:13 11/08/23 14:13 11/08/23 14:13	Dil
11/08/23 14:13 11/08/23 14:13 11/08/23 14:13 11/08/23 14:13 Analyzed 11/08/23 14:13	Dil
11/08/23 14:13 11/08/23 14:13 11/08/23 14:13 Analyzed 11/08/23 14:13	Dil
11/08/23 14:13 11/08/23 14:13 Analyzed 11/08/23 14:13	Dil
11/08/23 14:13 Analyzed 11/08/23 14:13	Dil
Analyzed 11/08/23 14:13	Dil
11/08/23 14:13	Dil
11/08/22 11.12	
11/00/23 14.13	
Analyzed	Dil
11/08/23 14:13	
Analyzed	Dil
Analyzed	Dil
11/07/23 13:15	
11/07/23 13:15	
11/07/23 13:15	
Analyzed	Dil
11/07/23 13:15	
11/07/23 13:15	
Analyzed	Dil
11/08/23 12:46	
ple ID: 890-5	
Matr	ix: So
	11/08/23 12:46 ole ID: 890-5 Matr

game comp							
Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
<0.00198	U	0.00198	mg/Kg		11/06/23 17:15	11/08/23 14:39	1
<0.00198	U	0.00198	mg/Kg		11/06/23 17:15	11/08/23 14:39	1
<0.00198	U	0.00198	mg/Kg		11/06/23 17:15	11/08/23 14:39	1
<0.00396	U	0.00396	mg/Kg		11/06/23 17:15	11/08/23 14:39	1
<0.00198	U	0.00198	mg/Kg		11/06/23 17:15	11/08/23 14:39	1
<0.00396	U	0.00396	mg/Kg		11/06/23 17:15	11/08/23 14:39	1
%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
135	S1+	70 - 130			11/06/23 17:15	11/08/23 14:39	1
	Result <0.00198	Result Qualifier <0.00198	<0.00198	Result Qualifier RL Unit <0.00198	Result Qualifier RL Unit D <0.00198	Result Qualifier RL Unit D Prepared <0.00198	Result Qualifier RL Unit D Prepared Analyzed <0.00198

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Matrix: Solid

5

Job ID: 890-5564-1 SDG: 32.2907.-105.86154

SDG: 32.2907,-105.86154 Lab Sample ID: 890-5564-16

Matrix: Solid

5

Job ID: 890-5564-1 SDG: 32.2907,-105.86154

Lab Sample ID: 890-5564-17

Client Sample ID: FS53

Date Collected: 11/02/23 11:25 Date Received: 11/03/23 08:21

Sample Depth: 3

Client: Ensolum

Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	120		70 - 130			11/06/23 17:15	11/08/23 14:39	1
Method: TAL SOP Total BTEX - To	otal BTEX Calo	culation						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Total BTEX	<0.00396	U	0.00396	mg/Kg			11/08/23 14:39	
Method: SW846 8015 NM - Diesel	Range Organ	ics (DRO) (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			11/07/23 13:38	1
Method: SW846 8015B NM - Dies	el Range Orga	nics (DRO)	(6C)					
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.9	U	49.9	mg/Kg		11/06/23 16:35	11/07/23 13:38	1
(GRO)-C6-C10								
Diesel Range Organics (Over	<49.9	U	49.9	mg/Kg		11/06/23 16:35	11/07/23 13:38	
C10-C28)	. 40.0		10.0			11/00/00 10 05	11/07/00 10 00	
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		11/06/23 16:35	11/07/23 13:38	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	96		70 - 130			11/06/23 16:35	11/07/23 13:38	1
o-Terphenyl	97		70 - 130			11/06/23 16:35	11/07/23 13:38	1
Method: EPA 300.0 - Anions, Ion	Chromatograp	hy - Solubl	e					
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
		F1	4.98	mg/Kg			11/08/23 08:43	

Date Received: 11/03/23 08:21 Sample Depth: 0-2

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	< 0.00199	U	0.00199	mg/Kg		11/06/23 17:15	11/08/23 15:05	1
Toluene	<0.00199	U	0.00199	mg/Kg		11/06/23 17:15	11/08/23 15:05	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		11/06/23 17:15	11/08/23 15:05	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		11/06/23 17:15	11/08/23 15:05	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		11/06/23 17:15	11/08/23 15:05	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		11/06/23 17:15	11/08/23 15:05	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	130		70 - 130			11/06/23 17:15	11/08/23 15:05	1
1,4-Difluorobenzene (Surr)	77		70 - 130			11/06/23 17:15	11/08/23 15:05	1
Method: TAL SOP Total BTEX	- Total BTEX Cald	culation						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			11/08/23 15:05	1
Method: SW846 8015 NM - Die	esel Range Organ	ics (DRO) (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac

Client Sample Results

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Job ID: 890-5564-1 SDG: 32.2907,-105.86154

Lab Sample ID: 890-5564-18

Lab Sample ID: 890-5564-19

Matrix: Solid

Client Sample ID: SW19

Date Collected: 11/02/23 12:30 Date Received: 11/03/23 08:21

Sample Depth: 0-2

Client: Ensolum

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1	mg/Kg		11/06/23 16:35	11/07/23 11:43	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1	mg/Kg		11/06/23 16:35	11/07/23 11:43	1
Oll Range Organics (Over C28-C36)	<50.1	U	50.1	mg/Kg		11/06/23 16:35	11/07/23 11:43	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130			11/06/23 16:35	11/07/23 11:43	1
o-Terphenyl	98		70 - 130			11/06/23 16:35	11/07/23 11:43	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	118	4.99	mg/Kg			11/08/23 09:00	1

Client Sample ID: SW20

Date Collected: 11/02/23 12:35 Date Received: 11/03/23 08:21

Sample Depth: 0-2

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		11/06/23 17:15	11/08/23 15:31	1
Toluene	<0.00200	U	0.00200	mg/Kg		11/06/23 17:15	11/08/23 15:31	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		11/06/23 17:15	11/08/23 15:31	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		11/06/23 17:15	11/08/23 15:31	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		11/06/23 17:15	11/08/23 15:31	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		11/06/23 17:15	11/08/23 15:31	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	132	S1+	70 - 130			11/06/23 17:15	11/08/23 15:31	1
1,4-Difluorobenzene (Surr)	84		70 - 130			11/06/23 17:15	11/08/23 15:31	1
Method: SW846 8015 NM - Diese	• •		· ·	1114	_	Descende	Angeland	Dil 5
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7	mg/Kg			11/07/23 14:03	1
Method: SW846 8015B NM - Die	sel Range Orga	nics (DRO)	(GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7	mg/Kg		11/06/23 16:35	11/07/23 14:03	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7	mg/Kg		11/06/23 16:35	11/07/23 14:03	1
Oll Range Organics (Over C28-C36)	<49.7	U	49.7	mg/Kg		11/06/23 16:35	11/07/23 14:03	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac

11/07/23 14:03

11/06/23 16:35

Matrix: Solid

5

Released to Imaging: 6/25/2024 8:06:17 AM

o-Terphenyl

70 - 130

76

Client Sample ID: SW20

Date Collected: 11/02/23 12:35

Project/Site: Beu Connector Mobley Ranch Pipeline

Client: Ensolum

5

Client Sample Results

Job ID: 890-5564-1 SDG: 32.2907,-105.86154	
Lab Sample ID: 890-5564-19 Matrix: Solid	

Method: EPA 300.0 - Anions, le	on Chromatograp	hy - Solubl	e					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Chloride	284		5.04	mg/Kg			11/08/23 09:05	
Client Sample ID: FS54						Lab Sam	ple ID: 890-5	564-20
ate Collected: 11/02/23 12:40							Matri	ix: Solie
ate Received: 11/03/23 08:21								
Date Received: 11/03/23 08:21 Sample Depth: 2								
	ile Organic Compo	ounds (GC)						
ample Depth: 2		o <mark>unds (GC)</mark> Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
ample Depth: 2 Method: SW846 8021B - Volati		Qualifier		Unit mg/Kg	<u>D</u>	Prepared 11/06/23 17:15	Analyzed 11/08/23 15:57	Dil Fa
ample Depth: 2 Method: SW846 8021B - Volati Analyte	Result	Qualifier	RL		<u>D</u>	•		Dil Fa
Method: SW846 8021B - Volati Analyte Benzene Toluene	Result <0.00200	Qualifier U U	RL 0.00200	mg/Kg	<u>D</u>	11/06/23 17:15	11/08/23 15:57	Dil Fa
ample Depth: 2 Method: SW846 8021B - Volati Analyte Benzene Toluene Ethylbenzene	Result <0.00200	Qualifier U U U	RL 0.00200 0.00200	mg/Kg mg/Kg	<u>D</u>	11/06/23 17:15 11/06/23 17:15	11/08/23 15:57 11/08/23 15:57	Dil Fa
Method: SW846 8021B - Volati Analyte Benzene	Result <0.00200	Qualifier U U U U U	RL 0.00200 0.00200 0.00200 0.00200	mg/Kg mg/Kg mg/Kg	<u>D</u>	11/06/23 17:15 11/06/23 17:15 11/06/23 17:15	11/08/23 15:57 11/08/23 15:57 11/08/23 15:57	Dil Fa

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	120	70 - 130	11/06/23 17:15	11/08/23 15:57	· · ·
1,4-Difluorobenzene (Surr)	88	70 - 130	11/06/23 17:15	11/08/23 15:57	

Method: TAL SOP Total BTEX - Tot	al BIEX Calc	culation						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401	mg/Kg			11/08/23 15:57	1

Method: SW846 8015 NM - Diesel R	ange Organics (DRO) (GC)		
Analyte	Result Qualifier	RL	Unit

Method: SW846 8015B NM - Diesel Range	e Organics (DRO) (GC)					
Total TPH	<49.9 U	49.9	mg/Kg		11/07/23 14:27	1

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.9	U	49.9	mg/Kg		11/06/23 16:35	11/07/23 14:27	1
(GRO)-C6-C10								
Diesel Range Organics (Over	<49.9	U	49.9	mg/Kg		11/06/23 16:35	11/07/23 14:27	1
C10-C28)								
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		11/06/23 16:35	11/07/23 14:27	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130			11/06/23 16:35	11/07/23 14:27	1
o-Terphenyl	103		70 - 130			11/06/23 16:35	11/07/23 14:27	1
Method: EPA 300.0 - Anions, Ion	Chromatogram	hy - Solubl	е					

Method: EPA 300.0 - Anions, Ion C	hromatograp	hy - Soluble	e					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	273		5.00	mg/Kg			11/08/23 09:11	1

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Dil Fac

Analyzed

D

Prepared

Client Sample Results

Client: Ensolum Project/Site: Beu Connector Mobley Ranch Pipeline

Client Sample ID: FS55

Date Collected: 11/02/23 12:45 Date Received: 11/03/23 08:21

Sample Depth: 2

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0.00199	U	0.00199	mg/Kg		11/08/23 12:08	11/12/23 03:56	
Toluene	<0.00199	U	0.00199	mg/Kg		11/08/23 12:08	11/12/23 03:56	
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		11/08/23 12:08	11/12/23 03:56	
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		11/08/23 12:08	11/12/23 03:56	
o-Xylene	<0.00199	U	0.00199	mg/Kg		11/08/23 12:08	11/12/23 03:56	
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		11/08/23 12:08	11/12/23 03:56	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	139	S1+	70 - 130			11/08/23 12:08	11/12/23 03:56	
1,4-Difluorobenzene (Surr)	97		70 - 130			11/08/23 12:08	11/12/23 03:56	
Method: TAL SOP Total BTEX - T								
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Total BTEX	<0.00398	U	0.00398	mg/Kg			11/12/23 03:56	
Method: SW846 8015 NM - Diese	• •							
Analyte Total TPH	Result <50.2	Qualifier		Unit mg/Kg	D	Prepared	Analyzed 11/07/23 14:52	Dil Fa
Method: SW846 8015B NM - Dies	• •		• •		_	. .		
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Gasoline Range Organics (GRO)-C6-C10	<50.2	U	50.2	mg/Kg		11/06/23 16:35	11/07/23 14:52	
Diesel Range Organics (Over C10-C28)	<50.2	U	50.2	mg/Kg		11/06/23 16:35	11/07/23 14:52	
Oll Range Organics (Over C28-C36)	<50.2	U	50.2	mg/Kg		11/06/23 16:35	11/07/23 14:52	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
1-Chlorooctane	90		70 - 130			11/06/23 16:35	11/07/23 14:52	
o-Terphenyl	92		70 - 130			11/06/23 16:35	11/07/23 14:52	
Method: EPA 300.0 - Anions, Ion	• •	-	e RL	Unit	D	Drenered	Analyzad	Dil Fa
Analyte		Qualifier	KL		D	Prepared	Analyzed 11/07/23 16:40	
Chloride	310		5.05	mg/Kg				
lient Sample ID: FS56						Lab Sam	ple ID: 890-5	
ate Collected: 11/02/23 12:50							Matri	ix: Soli
ate Received: 11/03/23 08:21								
ample Depth: 2								
Method: SW846 8021B - Volatile	Organic Comp	ounds (GC)						
		Qualifier						

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	< 0.00200	U	0.00200	mg/Kg		11/08/23 12:00	11/12/23 04:23	1
Toluene	<0.00200	U	0.00200	mg/Kg		11/08/23 12:00	11/12/23 04:23	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		11/08/23 12:00	11/12/23 04:23	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		11/08/23 12:00	11/12/23 04:23	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		11/08/23 12:00	11/12/23 04:23	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		11/08/23 12:00	11/12/23 04:23	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	147	S1+	70 - 130			11/08/23 12:00	11/12/23 04:23	1

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Job ID: 890-5564-1 SDG: 32.2907,-105.86154

Lab Sample ID: 890-5564-21 Matrix: Solid

Matrix: Solid

5

Job ID: 890-5564-1 SDG: 32.2907,-105.86154

Lab Sample ID: 890-5564-22

Client Sample ID: FS56

Date Collected: 11/02/23 12:50 Date Received: 11/03/23 08:21

Sample Depth: 2

Client: Ensolum

Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
1,4-Difluorobenzene (Surr)	10	S1-	70 - 130			11/08/23 12:00	11/12/23 04:23	
Method: TAL SOP Total BTEX - T	otal BTEX Calo	ulation						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Total BTEX	<0.00399	U	0.00399	mg/Kg			11/12/23 04:23	
Method: SW846 8015 NM - Diese	l Range Organ	ics (DRO) (GC)					
Analyte	• •	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Total TPH	<50.2	U	50.2	mg/Kg			11/07/23 15:17	
	<50.2	0	50.2	mg/Kg		11/06/23 16:35	11/07/23 15:17	
Diesel Range Organics (Over C10-C28)	<50.2 <50.2 <50.2	U	50.2 50.2 50.2	mg/Kg mg/Kg mg/Kg		11/06/23 16:35 11/06/23 16:35 11/06/23 16:35	11/07/23 15:17 11/07/23 15:17 11/07/23 15:17	
Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	<50.2	U U	50.2	mg/Kg		11/06/23 16:35	11/07/23 15:17	Dil Fa
Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) <i>Surrogate</i>	<50.2 <50.2	U U	50.2 50.2	mg/Kg		11/06/23 16:35 11/06/23 16:35	11/07/23 15:17 11/07/23 15:17	Dil Fa
(GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl	<50.2 <50.2 %Recovery	U U	50.2 50.2 <i>Limits</i>	mg/Kg		11/06/23 16:35 11/06/23 16:35 Prepared	11/07/23 15:17 11/07/23 15:17 Analyzed	Dil Fa
Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl Method: EPA 300.0 - Anions, Ion	<50.2 <50.2 <u>%Recovery</u> 95 98 Chromatograp	U U Qualifier Dhy - Solubl	50.2 50.2 <u>Limits</u> 70 - 130 70 - 130 e	mg/Kg mg/Kg		11/06/23 16:35 11/06/23 16:35 Prepared 11/06/23 16:35 11/06/23 16:35	11/07/23 15:17 11/07/23 15:17 Analyzed 11/07/23 15:17 11/07/23 15:17	
Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorooctane p-Terphenyl	<50.2 <50.2 <u>%Recovery</u> 95 98 Chromatograp	U Qualifier Dhy - Solubl Qualifier	50.2 50.2 <u>Limits</u> 70 - 130 70 - 130	mg/Kg	<u>D</u>	11/06/23 16:35 11/06/23 16:35 Prepared 11/06/23 16:35	11/07/23 15:17 11/07/23 15:17 Analyzed 11/07/23 15:17	Dil Fa

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Lab Sample ID 880-34990-A-2-B MB

890-5564-1 MS

890-5564-1 MSD

890-5564-1

890-5564-2

Surrogate Summary

DFBZ1

(70-130)

99

75

126

67 S1-

71

BFB1

(70-130)

123

104

121

81

109

Client: Ensolum Project/Site: Beu Connector Mobley Ranch Pipeline

Method: 8021B - Volatile Organic Compounds (GC) Matrix: Solid

Client Sample ID

Method Blank

SW11

SW11

SW11

SW12

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Job ID: 890-556
SDG: 32.2907,-105.86

Percent Surrogate Recovery (Acceptance Limits)

Job ID: 890-5564-1
SDG: 32.2907,-105.86154

Prep Type: Total/NA

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890-5564-3	FS45	138 S1+	94	
390-5564-4	FS46	133 S1+	93	
390-5564-5	FS47	137 S1+	79	
390-5564-6	FS48	139 S1+	98	
890-5564-7	FS49	152 S1+	98	
390-5564-8	SW13	150 S1+	102	
390-5564-9	SW14	93	70	
390-5564-10	SW15	143 S1+	119	
390-5564-11	SW16	111	90	
390-5564-12	FS50	114	88	
390-5564-13	SW17	97	95	
390-5564-14	FS51	109	70	
390-5564-15	SW18	96	89	
390-5564-16	FS52	86	90	
390-5564-17	FS53	135 S1+	120	
390-5564-18	SW19	130	77	
390-5564-19	SW20	132 S1+	84	
390-5564-20	FS54	120	88	
390-5564-21	FS55	139 S1+	97	
890-5564-22	FS56	147 S1+	10 S1-	
890-5569-A-21-D MS	Matrix Spike	132 S1+	68 S1-	
390-5569-A-21-E MSD	Matrix Spike Duplicate	153 S1+	89	
LCS 880-66321/1-A	Lab Control Sample	95	80	
LCS 880-66435/1-A	Lab Control Sample	113	83	
LCSD 880-66321/2-A	Lab Control Sample Dup	122	99	
_CSD 880-66435/2-A	Lab Control Sample Dup	124	75	
MB 880-66321/5-A	Method Blank	69 S1-	88	
MB 880-66434/5-A	Method Blank	81	79	
MB 880-66435/5-A	Method Blank	76	71	

DFBZ = 1,4-Difluorobenzene (Surr)

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Matrix: Solid

				Percent Surrogate Recovery (Acceptance Limits)
		1CO1	OTPH1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
890-5563-A-19-B MS	Matrix Spike	132 S1+	131 S1+	
890-5563-A-19-C MSD	Matrix Spike Duplicate	130	132 S1+	
890-5564-1	SW11	146 S1+	176 S1+	
890-5564-2	SW12	137 S1+	165 S1+	
890-5564-3	FS45	130	155 S1+	

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11/13/2023

Prep Type: Total/NA

Surrogate Summary

Job ID: 890-5564-1 SDG: 32.2907,-105.86154

Prep Type: Total/NA

Project/Site: Beu Connector Mobley Ranch Pipeline Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Matrix: Solid

Client: Ensolum

		1CO1	OTPH1	Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)		
890-5564-4	FS46	127	151 S1+		- 5
890-5564-5	FS47	127	151 S1+		
890-5564-6	FS48	123	133 S1+ 147 S1+		6
890-5564-7	FS49	143 S1+	171 S1+		
890-5564-8	SW13	130	157 S1+		
890-5564-9	SW14	130	157 S1+		
890-5564-10	SW15	142 S1+	171 S1+		8
890-5564-11	SW15	142 314	149 S1+		
890-5564-12	500 FS50	123 148 S1+	149 S1+ 183 S1+		G
890-5564-12	SW17	140 S1+ 140 S1+	163 S1+ 170 S1+		Ň
890-5564-14	FS51	143 S1+	173 S1+		
890-5564-15	SW18	93	94		
890-5564-16	FS52	95	96		
890-5564-17	FS53	96	97		
890-5564-18	SW19	97	98		
890-5564-18 MS	SW19	95	86		
890-5564-18 MSD	SW19	96	89		
890-5564-19	SW20	73	76		
890-5564-20	FS54	101	103		
890-5564-21	FS55	90	92		
890-5564-22	FS56	95	98		
LCS 880-66315/2-A	Lab Control Sample	86	105		
LCS 880-66317/2-A	Lab Control Sample	103	115		
LCSD 880-66315/3-A	Lab Control Sample Dup	98	118		
LCSD 880-66317/3-A	Lab Control Sample Dup	98	101		
MB 880-66315/1-A	Method Blank	243 S1+	301 S1+		
MB 880-66317/1-A	Method Blank	162 S1+	169 S1+		

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

Lab Sample ID: MB 880-66321/5-A

QC Sample Results

Client: Ensolum Project/Site: Beu Connector Mobley Ranch Pipeline

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid Analysis Batch: 66359							Prep Type: 1 Prep Batch	
	МВ	MB						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		11/06/23 17:15	11/08/23 05:10	1
Toluene	<0.00200	U	0.00200	mg/Kg		11/06/23 17:15	11/08/23 05:10	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		11/06/23 17:15	11/08/23 05:10	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		11/06/23 17:15	11/08/23 05:10	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		11/06/23 17:15	11/08/23 05:10	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		11/06/23 17:15	11/08/23 05:10	1
	МВ	МВ						
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	69	S1-	70 - 130			11/06/23 17:15	11/08/23 05:10	1
1,4-Difluorobenzene (Surr)	88		70 - 130			11/06/23 17:15	11/08/23 05:10	1

Lab Sample ID: LCS 880-66321/1-A Matrix: Solid

Analysis Batch: 66359

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.08935		mg/Kg		89	70 - 130	
Toluene	0.100	0.1017		mg/Kg		102	70 - 130	
Ethylbenzene	0.100	0.1027		mg/Kg		103	70 - 130	
m-Xylene & p-Xylene	0.200	0.2045		mg/Kg		102	70 - 130	
o-Xylene	0.100	0.1079		mg/Kg		108	70 - 130	

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	95		70 - 130
1,4-Difluorobenzene (Surr)	80		70 - 130

Lab Sample ID: LCSD 880-66321/2-A

Matrix: Solid

Analysis Batch: 66359							Prep	Batch:	66321
	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.100	0.09122		mg/Kg		91	70 - 130	2	35
Toluene	0.100	0.1055		mg/Kg		106	70 - 130	4	35
Ethylbenzene	0.100	0.1051		mg/Kg		105	70 - 130	2	35
m-Xylene & p-Xylene	0.200	0.2022		mg/Kg		101	70 - 130	1	35
o-Xylene	0.100	0.1081		mg/Kg		108	70 - 130	0	35

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	122		70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

Lab Sample ID: 890-5564-1 MS Matrix: Solid

Analysis Rataby 66250

Analysis Batch: 66359									Prep Batch: 66321
	Sample	Sample	Spike	MS	MS				%Rec
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits
Benzene	<0.00200	U F2	0.100	0.1173		mg/Kg		117	70 - 130
Toluene	<0.00200	U	0.100	0.1106		mg/Kg		110	70 - 130

Eurofins Carlsbad

Client Sample ID: SW11

Prep Type: Total/NA

Client Sample ID: Method Blank Tetel/NLA

Client Sample ID: Lab Control Sample

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Type: Total/NA

Prep Batch: 66321

Released to Imaging: 6/25/2024 8:06:17 AM

Client: Ensolum Project/Site: Beu Connector Mobley Ranch Pipeline Job ID: 890-5564-1 SDG: 32.2907,-105.86154

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: 890-5564-1 MS											Client Sam	-	
Matrix: Solid											Prep T		
Analysis Batch: 66359											Prep	Batch:	66321
	Sample	Sam	ple	Spike	MS	MS					%Rec		
Analyte	Result		lifier	Added	Result	Qualifier	Unit		D	%Rec	Limits		
Ethylbenzene	<0.00200	U		0.100	0.1068		mg/Kg			107	70 - 130		
m-Xylene & p-Xylene	< 0.00399	U		0.200	0.2065		mg/Kg			103	70 - 130		
o-Xylene	<0.00200	U		0.100	0.1062		mg/Kg			106	70 - 130		
	MS	мs											
Surrogate	%Recovery		lifior	Limits									
4-Bromofluorobenzene (Surr)	121	Qua		70 - 130									
1,4-Difluorobenzene (Surr)	121			70 - 130 70 - 130									
	120			70 - 700									
Lab Sample ID: 890-5564-1 MSD)										Client Sam	ple ID:	: SW 11
Matrix: Solid											Prep T	-	
Analysis Batch: 66359												Batch:	
····· , ··· ····	Sample	Sam	ple	Spike	MSD	MSD					%Rec		RPI
Analyte	Result	Qua	lifier	Added	Result	Qualifier	Unit		D	%Rec	Limits	RPD	Limi
Benzene	<0.00200	U F2	2	0.0996	0.07697	F2	mg/Kg			77	70 - 130	41	35
Toluene	<0.00200	U		0.0996	0.07765		mg/Kg			78	70 - 130	35	35
Ethylbenzene	<0.00200	U		0.0996	0.09176		mg/Kg			92	70 - 130	15	3
m-Xylene & p-Xylene	<0.00399	U		0.199	0.1741		mg/Kg			87	70 - 130	17	35
p-Xylene	<0.00200	U		0.0996	0.08459		mg/Kg			85	70 - 130	23	3
D	MSD			1									
	%Recovery	Qua		Limits									
4-Bromofluorobenzene (Surr)	%Recovery 81			Limits 70 - 130 70 - 130									
4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Lab Sample ID: 880-34990-A-2-E	% Recovery 81 67	Qua		70 - 130						Client Sa	ample ID: I Prep T		
4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Lab Sample ID: 880-34990-A-2-E Matrix: Solid	% Recovery 81 67	Qua		70 - 130						Client Sa	Prep T		otal/NA
4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Lab Sample ID: 880-34990-A-2-E Matrix: Solid	% Recovery 81 67	Qua S1-		70 - 130					ſ	Client Sa	Prep T	ype: To	otal/NA
4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Lab Sample ID: 880-34990-A-2-E Matrix: Solid Analysis Batch: 66359	%Recovery 81 67 3 MB	Qua S1-	lifier _	70 - 130		Unit		D		Client Sa	Prep T	ype: To Batch:	otal/NA 66358
4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Lab Sample ID: 880-34990-A-2-E Matrix: Solid Analysis Batch: 66359 Analyte	%Recovery 81 67 3 MB	Qua S1-	MB Qualifier	70 - 130 70 - 130		Unit mg/K	g	<u>D</u>	Pr		Prep T Prep	ype: To Batch: ed	Dil Fa
4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Lab Sample ID: 880-34990-A-2-E Matrix: Solid Analysis Batch: 66359 Analyte Benzene	%Recovery 81 67 8 MB R <0.0	Qua S1- MB esult	MB Qualifier U	70 - 130 70 - 130 				<u>D</u>	Pr 11/07	epared	Prep T Prep Analyze	ype: To Batch: ed 00:56	Dill Fac
4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Lab Sample ID: 880-34990-A-2-E Matrix: Solid Analysis Batch: 66359 Analyte Benzene Toluene	%Recovery 81 67 3 MB 	Qua S1- MB esult 0200	MB Qualifier U U	70 - 130 70 - 130 	,, ,	mg/K	g	<u>D</u>	Pr 11/07 11/07	repared 7/23 11:44	Prep T Prep Analyze 11/08/23 0	ype: To Batch: ed 00:56	Dil Fac
4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Lab Sample ID: 880-34990-A-2-E Matrix: Solid Analysis Batch: 66359 Analyte Benzene Toluene Ethylbenzene	%Recovery 81 67 3 MB 	Qua S1- MB esult 0200 0200	MB Qualifier U U	70 - 130 70 - 130)))	mg/K mg/K	g g	<u>D</u>	Pr 11/07 11/07 11/07	repared 7/23 11:44 7/23 11:44	Prep T Prep Analyze 11/08/23 0 11/08/23 0	ype: To Batch: ed 00:56 00:56	Dil Fac
4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Lab Sample ID: 880-34990-A-2-E Matrix: Solid Analysis Batch: 66359 Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene	%Recovery 81 67 3 MB 	Qua S1- MB esult 0200 0200 0200	MB Qualifier U U U U	70 - 130 70 - 130 RL 0.00200 0.00200 0.00200)))	mg/K mg/K mg/K	g g	<u>D</u>	Pr 11/07 11/07 11/07 11/07	epared 7/23 11:44 7/23 11:44 7/23 11:44	Prep T Prep Analyze 11/08/23 0 11/08/23 0	ype: To Batch: ed 00:56 00:56 00:56	Dil Fac
4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Lab Sample ID: 880-34990-A-2-E Matrix: Solid Analysis Batch: 66359 Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene o-Xylene	%Recovery 81 67 3 MB 	Qua S1- MB esult 0200 0200 0200 0200	MB Qualifier U U U U U	70 - 130 70 - 130 RL 0.00200 0.00200 0.00200 0.00200)))	mg/K mg/K mg/K mg/K	g g g	<u>D</u>	Pr 11/07 11/07 11/07 11/07 11/07	epared 7/23 11:44 7/23 11:44 7/23 11:44 7/23 11:44	Prep T Prep Analyza 11/08/23 0 11/08/23 0 11/08/23 0	ad 00:56 00:56 00:56 00:56 00:56	bil Fac
4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Lab Sample ID: 880-34990-A-2-E Matrix: Solid Analysis Batch: 66359 Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene o-Xylene	%Recovery 81 67 3 MB 	Qua S1- MB esult 0200 0200 0400 0200 0400	MB Qualifier U U U U U U U U	70 - 130 70 - 130 RL 0.00200 0.00200 0.00200 0.00400 0.00200)))	mg/K mg/K mg/K mg/K	g g g	<u>D</u>	Pr 11/07 11/07 11/07 11/07 11/07	epared 7/23 11:44 7/23 11:44 7/23 11:44 7/23 11:44 7/23 11:44	Prep T Prep Analyza 11/08/23 0 11/08/23 0 11/08/23 0 11/08/23 0	ad 00:56 00:56 00:56 00:56 00:56	Dil Fac
Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Lab Sample ID: 880-34990-A-2-E Matrix: Solid Analysis Batch: 66359 Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene o-Xylene Xylenes, Total Surrogate	%Recovery 81 67 3 MB 67 8	Qua S1- MB esult 0200 0200 0200 0200 0400 0200 0400 MB	MB Qualifier U U U U U U U U U U MB	70 - 130 70 - 130 70 - 130 RL 0.00200 0.00200 0.00200 0.00400 0.00200 0.00400)))	mg/K mg/K mg/K mg/K	g g g	<u>D</u>	Pr 11/07 11/07 11/07 11/07 11/07	epared 7/23 11:44 7/23 11:44 7/23 11:44 7/23 11:44 7/23 11:44 7/23 11:44	Prep T Prep 11/08/23 0 11/08/23 0 11/08/23 0 11/08/23 0 11/08/23 0	ype: To Batch: ed 00:56 00:56 00:56 00:56 00:56 00:56	Dil Fac
4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Lab Sample ID: 880-34990-A-2-E Matrix: Solid Analysis Batch: 66359 Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene o-Xylene Xylenes, Total Surrogate	%Recovery 81 67 3 MB 	Qua S1- S1- 0200 0200 0200 0400 0400 0400 MB wvery	MB Qualifier U U U U U U U U U U MB	70 - 130 70 - 130 70 - 130 RL 0.00200 0.00200 0.00200 0.00400 0.00200 0.00400 0.00400)))	mg/K mg/K mg/K mg/K	g g g	<u>D</u>	Pr 11/07 11/07 11/07 11/07 11/07 11/07 Pr	epared 7/23 11:44 7/23 11:44 7/23 11:44 7/23 11:44 7/23 11:44 7/23 11:44 7/23 11:44	Prep T Prep 11/08/23 0 11/08/23 0 11/08/23 0 11/08/23 0 11/08/23 0 11/08/23 0 11/08/23 0	ype: To Batch: ed 00:56 00:56 00:56 00:56 00:56 00:56 00:56	Dil Fac
4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Lab Sample ID: 880-34990-A-2-E Matrix: Solid Analysis Batch: 66359 Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene o-Xylene Xylenes, Total Surrogate 4-Bromofluorobenzene (Surr)	%Recovery 81 67 3 MB 67 8	Qua S1- S1- 0200 0200 0200 0200 0200 0200 0200 02	MB Qualifier U U U U U U U U U U MB	70 - 130 70 - 130 70 - 130 RL 0.00200 0.00200 0.00200 0.00400 0.00400 0.00400 0.00400 0.00400 0.00400)))	mg/K mg/K mg/K mg/K	g g g	<u>D</u>	Pr 11/07 11/07 11/07 11/07 11/07 11/07 11/07	epared 7/23 11:44 7/23 11:44 7/23 11:44 7/23 11:44 7/23 11:44 7/23 11:44 repared 7/23 11:44	Prep T Prep T Prep 11/08/23 0 11/08/23 0 11/08/23 0 11/08/23 0 11/08/23 0 11/08/23 0 11/08/23 0 11/08/23 0 11/08/23 0 11/08/23 0 11/08/23 0 11/08/23 0 11/08/23 0 11/08/23 0	ype: To Batch: ed 0:56 0:56 0:56 0:56 0:56 0:56 0:56 ed 0:56	Dil Fac
4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Lab Sample ID: 880-34990-A-2-E Matrix: Solid Analysis Batch: 66359 Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene o-Xylene Xylenes, Total Surrogate 4-Bromofluorobenzene (Surr)	%Recovery 81 67 3 MB 67 8	Qua S1- S1- 0200 0200 0200 0400 0400 0400 MB wvery	MB Qualifier U U U U U U U U U U MB	70 - 130 70 - 130 70 - 130 RL 0.00200 0.00200 0.00200 0.00400 0.00200 0.00400 0.00400)))	mg/K mg/K mg/K mg/K	g g g	<u>D</u>	Pr 11/07 11/07 11/07 11/07 11/07 11/07 11/07	epared 7/23 11:44 7/23 11:44 7/23 11:44 7/23 11:44 7/23 11:44 7/23 11:44 7/23 11:44	Prep T Prep 11/08/23 0 11/08/23 0 11/08/23 0 11/08/23 0 11/08/23 0 11/08/23 0 11/08/23 0	ype: To Batch: ed 0:56 0:56 0:56 0:56 0:56 0:56 0:56 ed 0:56	Dil Fac
4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Lab Sample ID: 880-34990-A-2-E Matrix: Solid Analysis Batch: 66359 Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene o-Xylene Xylenes, Total Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr)	%Recovery 81 67 3 MB <0.0	Qua S1- S1- 0200 0200 0200 0200 0200 0200 0200 02	MB Qualifier U U U U U U U U U U MB	70 - 130 70 - 130 70 - 130 RL 0.00200 0.00200 0.00200 0.00400 0.00400 0.00400 0.00400 0.00400 0.00400)))	mg/K mg/K mg/K mg/K	g g g	<u>D</u>	Pr 11/07 11/07 11/07 11/07 11/07 11/07 11/07 11/07	epared 7/23 11:44 7/23 11:44 7/23 11:44 7/23 11:44 7/23 11:44 7/23 11:44 7/23 11:44 7/23 11:44 7/23 11:44 7/23 11:44 7/23 11:44 7/23 11:44	Prep T Prep T Prep 11/08/23 0 11/08/23 0 11/08/23 0 11/08/23 0 11/08/23 0 11/08/23 0 11/08/23 0 11/08/23 0 11/08/23 0 11/08/23 0 11/08/23 0 11/08/23 0 11/08/23 0 11/08/23 0	ype: To Batch: ed 00:56 00:56 00:56 00:56 00:56 ed 00:56 00:56 00:56	Dil Fac
4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Lab Sample ID: 880-34990-A-2-E Matrix: Solid Analysis Batch: 66359 Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene o-Xylene Xylenes, Total Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Lab Sample ID: MB 880-66434/5	%Recovery 81 67 3 MB <0.0	Qua S1- S1- 0200 0200 0200 0200 0200 0200 0200 02	MB Qualifier U U U U U U U U U U MB	70 - 130 70 - 130 70 - 130 RL 0.00200 0.00200 0.00200 0.00400 0.00400 0.00400 0.00400 0.00400 0.00400)))	mg/K mg/K mg/K mg/K	g g g	<u>D</u>	Pr 11/07 11/07 11/07 11/07 11/07 11/07 11/07 11/07	epared 7/23 11:44 7/23 11:44 7/23 11:44 7/23 11:44 7/23 11:44 7/23 11:44 7/23 11:44 7/23 11:44 7/23 11:44 7/23 11:44 7/23 11:44 7/23 11:44	Prep T Prep T 11/08/23 0 11/08/23 0	ype: To Batch: 00:56 00:56 00:56 00:56 00:56 00:56 00:56 00:56	Dil Fac
4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Lab Sample ID: 880-34990-A-2-E Matrix: Solid Analysis Batch: 66359 Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene o-Xylene Xylenes, Total Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Lab Sample ID: MB 880-66434/5 Matrix: Solid	%Recovery 81 67 3 MB <0.0	Qua S1- S1- 0200 0200 0200 0200 0200 0200 0200 02	MB Qualifier U U U U U U U U U U MB	70 - 130 70 - 130 70 - 130 RL 0.00200 0.00200 0.00200 0.00400 0.00400 0.00400 0.00400 0.00400 0.00400)))	mg/K mg/K mg/K mg/K	g g g	<u>D</u>	Pr 11/07 11/07 11/07 11/07 11/07 11/07 11/07 11/07	epared 7/23 11:44 7/23 11:44 7/23 11:44 7/23 11:44 7/23 11:44 7/23 11:44 7/23 11:44 7/23 11:44 7/23 11:44 7/23 11:44 7/23 11:44 7/23 11:44	Prep T Prep 11/08/23 0 11/08/23 0	ype: To Batch: 00:56 00:56 00:56 00:56 00:56 00:56 00:56 00:56	Dil Fac
4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Lab Sample ID: 880-34990-A-2-E Matrix: Solid Analysis Batch: 66359 Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene o-Xylene Xylenes, Total Surrogate	%Recovery 81 67 3 MB <0.0	Qua S1- S1- 0200 0200 0200 0400 0400 0400 0400 040	MB Qualifier U U U U U U U U U U MB	70 - 130 70 - 130 70 - 130 RL 0.00200 0.00200 0.00200 0.00400 0.00400 0.00400 0.00400 0.00400 0.00400)))	mg/K mg/K mg/K mg/K	g g g	<u>D</u>	Pr 11/07 11/07 11/07 11/07 11/07 11/07 11/07 11/07	epared 7/23 11:44 7/23 11:44 7/23 11:44 7/23 11:44 7/23 11:44 7/23 11:44 7/23 11:44 7/23 11:44 7/23 11:44 7/23 11:44 7/23 11:44 7/23 11:44	Prep T Prep 11/08/23 0 11/08/23 0	ype: To Batch: ed 00:56 00:56 00:56 00:56 00:56 00:56 00:56 00:56 00:56 00:56 00:56 Method ype: To	Dil Fac
4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Lab Sample ID: 880-34990-A-2-E Matrix: Solid Analysis Batch: 66359 Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene p-Xylene & p-Xylene p-Xylene Xylenes, Total Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Lab Sample ID: MB 880-66434/5 Matrix: Solid Analysis Batch: 66703	%Recovery 81 67 3 MB 67 3 MB	Qua S1- S1- 0200 0200 0400 0400 0400 0400 0400 040	IIFIER MB Qualifier U U U U U U U U U U U U U U U U U U U	70 - 130 70 - 130 70 - 130 RL 0.00200 0.00200 0.00200 0.00400 0.00400 0.00400 0.00400 0.00400 0.00400	-	mg/K mg/K mg/K mg/K	g g g	D	Pr 11/07 11/07 11/07 11/07 11/07 11/07	epared 7/23 11:44 7/23 11:44 7/23 11:44 7/23 11:44 7/23 11:44 7/23 11:44 7/23 11:44 7/23 11:44 7/23 11:44 7/23 11:44 7/23 11:44 7/23 11:44	Prep T Prep 11/08/23 0 11/08/23 0	ype: To Batch: ed 10:56 10:	Dil Fac
4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Lab Sample ID: 880-34990-A-2-E Matrix: Solid Analysis Batch: 66359 Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene o-Xylene Xylenes, Total Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Lab Sample ID: MB 880-66434/5 Matrix: Solid	%Recovery 81 67 8 MB 67 8 MB <0.0	Qua S1- S1- 0200 0200 0400 0400 0400 0400 0400 040	MB Qualifier U U U U U MB Qualifier MB Qualifier	70 - 130 70 - 130 70 - 130 		mg/K mg/K mg/K mg/K	9 9 9 9	_	Pr 11/07 11/07 11/07 11/07 11/07 11/07	eepared 7/23 11:44 7/23 11:44 7/23 11:44 7/23 11:44 7/23 11:44 7/23 11:44 7/23 11:44 7/23 11:44 7/23 11:44 7/23 11:44 7/23 11:44 7/23 11:44 7/23 11:44 7/23 11:44 7/23 11:44 7/23 11:44 7/23 11:44	Analyze 11/08/23 0 11/08/23 0 11/08/23 0 11/08/23 0 11/08/23 0 11/08/23 0 11/08/23 0 11/08/23 0 11/08/23 0 11/08/23 0 11/08/23 0 11/08/23 0 11/08/23 0 11/08/23 0 11/08/23 0 11/08/23 0 Prep T Prep T Prep T Prep T	ype: To Batch: ed 00:56 00:	Dil Fac
4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Lab Sample ID: 880-34990-A-2-E Matrix: Solid Analysis Batch: 66359 Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene o-Xylene & p-Xylene Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Lab Sample ID: MB 880-66434/5 Matrix: Solid Analysis Batch: 66703 Analyte	%Recovery 81 67 3 MB <0.0	Qua S1- S1- 0200 0200 0400 0400 0400 0400 0400 040	MB Qualifier U U U U U U MB Qualifier U	70 - 130 70 - 130 70 - 130 0.00200 0.00200 0.00400 0.00200 0.00400 0.00400 0.00400 0.00400 0.00400 0.00400 0.00400 0.00400 0.00200 0.00400 0.00200 0.00400 0.00200 0.00000000	-	mg/K mg/K mg/K mg/K	9 9 9 9 9 9	_	Pr 11/07 11/07 11/07 11/07 11/07 11/07 11/07 11/07	epared 7/23 11:44 7/23 11:44 7/23 11:44 7/23 11:44 7/23 11:44 7/23 11:44 7/23 11:44 7/23 11:44 7/23 11:44 7/23 11:44 Client Sa Client Sa	Prep T Prep T 11/08/23 0 11/08/23 0	ype: To Batch: ed 0:56	Dil Fac

Eurofins Carlsbad

11/11/23 04:38

11/07/23 15:54

m-Xylene & p-Xylene

0.00400

mg/Kg

<0.00400 U

Client: Ensolum Project/Site: Beu Connector Mobley Ranch Pipeline Job ID: 890-5564-1 SDG: 32.2907,-105.86154

Lab Sample ID: MB 880-66434/5-A								Client Sa	mple ID: Metho	d Blank
Matrix: Solid									· Prep Type: '	
Analysis Batch: 66703									Prep Batcl	
-	MB	МВ								
Analyte	Result	Qualifier	RL		Unit		D	Prepared	Analyzed	Dil Fac
o-Xylene	<0.00200	U	0.00200		mg/Kg	g	_	11/07/23 15:54	11/11/23 04:38	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg			11/07/23 15:54	11/11/23 04:38	1
	MB							_		
Surrogate	%Recovery		Limits					Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	81		70 - 130					11/07/23 15:54	11/11/23 04:38	1
1,4-Difluorobenzene (Surr)	79		70 - 130					11/07/23 15:54	11/11/23 04:38	1
Lab Samula ID: MD 990 CC425/5 A								Client Cr	male ID: Methe	d Diank
Lab Sample ID: MB 880-66435/5-A Matrix: Solid								Client Sa	mple ID: Metho	
									Prep Type:	
Analysis Batch: 66703	MD	мв							Prep Batc	1. 00435
Analyta		Qualifier	Ы		Unit		D	Bronarad	Applyzod	Dil Fac
Analyte	<0.00200		RL 0.00200		Unit mg/Kg		D	Prepared 11/07/23 15:55	Analyzed	1
Toluene	<0.00200		0.00200			-		11/07/23 15:55	11/11/23 18:17	1
	<0.00200		0.00200		mg/Ko mg/Ko	-		11/07/23 15:55		1
Ethylbenzene	<0.00200		0.00200					11/07/23 15:55	11/11/23 18:17 11/11/23 18:17	1
m-Xylene & p-Xylene					mg/Kg					1
o-Xylene	<0.00200		0.00200		mg/Kg	-		11/07/23 15:55	11/11/23 18:17	1
Xylenes, Total	<0.00400	U	0.00400		mg/Ko	9		11/07/23 15:55	11/11/23 18:17	1
	MB	МВ								
Surrogate	%Recovery	Qualifier	Limits					Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	76		70 - 130					11/07/23 15:55	11/11/23 18:17	1
1,4-Difluorobenzene (Surr)	71		70 - 130					11/07/23 15:55	11/11/23 18:17	1
							~			•
Lab Sample ID: LCS 880-66435/1-A							C	lient Sample	ID: Lab Control	
Matrix: Solid									Prep Type:	
Analysis Batch: 66703			Spiko	LCS	1.09				Prep Batc	1: 00435
Analyta			Spike Added			Unit		D %Rec	%Rec Limits	
Analyte			0.100	0.1094	Qualifier			<u>– %Rec</u> 109	70 - 130	
				0.1094		mg/Kg				
IOIIIANA			0 100			mg/Kg		111	70 ₋ 130 70 - 130	
			0.100			malla				
Ethylbenzene			0.100	0.1031		mg/Kg		103		
Ethylbenzene m-Xylene & p-Xylene			0.100 0.200	0.1031 0.2001		mg/Kg		100	70 - 130	
Ethylbenzene m-Xylene & p-Xylene			0.100	0.1031						
Ethylbenzene m-Xylene & p-Xylene	LCS LCS		0.100 0.200	0.1031 0.2001		mg/Kg		100	70 - 130	
Ethylbenzene m-Xylene & p-Xylene o-Xylene	LCS LCS Recovery Qua		0.100 0.200	0.1031 0.2001		mg/Kg		100	70 - 130	
Ethylbenzene m-Xylene & p-Xylene o-Xylene Surrogate %R			0.100 0.200 0.100	0.1031 0.2001		mg/Kg		100	70 - 130	
Ethylbenzene m-Xylene & p-Xylene o-Xylene Surrogate %R 4-Bromofluorobenzene (Surr)	Recovery Qua		0.100 0.200 0.100 <i>Limits</i>	0.1031 0.2001		mg/Kg		100	70 - 130	
Ethylbenzene m-Xylene & p-Xylene o-Xylene Surrogate %R 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr)	Recovery Qua 113 83		0.100 0.200 0.100 <i>Limits</i> 70 - 130	0.1031 0.2001		mg/Kg mg/Kg		100 105	70 - 130 70 - 130	
Ethylbenzene m-Xylene & p-Xylene o-Xylene Surrogate %R 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr)	Recovery Qua 113 83		0.100 0.200 0.100 <i>Limits</i> 70 - 130	0.1031 0.2001		mg/Kg mg/Kg	ent	100 105	70 - 130 70 - 130 ab Control Sam	
Ethylbenzene m-Xylene & p-Xylene o-Xylene <u>Surrogate</u> %R 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Lab Sample ID: LCSD 880-66435/2-J	Recovery Qua 113 83		0.100 0.200 0.100 <i>Limits</i> 70 - 130	0.1031 0.2001		mg/Kg mg/Kg	ent	100 105	70 - 130 70 - 130	
Ethylbenzene m-Xylene & p-Xylene o-Xylene <i>Surrogate %R</i> 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Lab Sample ID: LCSD 880-66435/2-/ Matrix: Solid	Recovery Qua 113 83		0.100 0.200 0.100 <i>Limits</i> 70 - 130	0.1031 0.2001 0.1053		mg/Kg mg/Kg	ent	100 105	70 - 130 70 - 130 ab Control Sam	Total/NA
m-Xylene & p-Xylene o-Xylene	Recovery Qua 113 83		0.100 0.200 0.100 <i>Limits</i> 70 - 130	0.1031 0.2001	LCSD	mg/Kg mg/Kg	ent	100 105	70 - 130 70 - 130 ab Control Sam Prep Type:	Total/NA h: 66435
Ethylbenzene m-Xylene & p-Xylene o-Xylene <u>Surrogate</u> %R 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Lab Sample ID: LCSD 880-66435/2-/ Matrix: Solid Analysis Batch: 66703	Recovery Qua 113 83		0.100 0.200 0.100 <i>Limits</i> 70 - 130 70 - 130	0.1031 0.2001 0.1053	LCSD Qualifier	mg/Kg mg/Kg	ent	100 105	70 - 130 70 - 130 ab Control Sam Prep Type: Prep Batc	Total/NA h: 66435 RPD
Ethylbenzene m-Xylene & p-Xylene o-Xylene <i>Surrogate %R</i> <i>4-Bromofluorobenzene (Surr)</i> 1,4-Difluorobenzene (Surr) Lab Sample ID: LCSD 880-66435/2-/ Matrix: Solid	Recovery Qua 113 83		0.100 0.200 0.100 <i>Limits</i> 70 - 130 70 - 130 Spike	0.1031 0.2001 0.1053		mg/Kg mg/Kg Cli	ent	100 105 Sample ID: La	70 - 130 70 - 130 ab Control Sam Prep Type: " Prep Batcl %Rec Limits RPI	Total/NA h: 66435 RPD
Ethylbenzene m-Xylene & p-Xylene o-Xylene <i>Surrogate</i> %R 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Lab Sample ID: LCSD 880-66435/2-/ Matrix: Solid Analysis Batch: 66703 Analyte Benzene	Recovery Qua 113 83		0.100 0.200 0.100 <i>Limits</i> 70 - 130 70 - 130 Spike Added	0.1031 0.2001 0.1053 LCSD Result		mg/Kg mg/Kg Cli	ent	100 105 Sample ID: La	70 - 130 70 - 130 ab Control Sam Prep Type: Prep Batcl %Rec Limits RPI 70 - 130	Total/NA h: 66435 RPD D Limit
Ethylbenzene m-Xylene & p-Xylene o-Xylene <i>Surrogate</i> %R 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Lab Sample ID: LCSD 880-66435/2-J Matrix: Solid Analysis Batch: 66703 Analyte	Recovery 113 83		0.100 0.200 0.100 <i>Limits</i> 70 - 130 70 - 130 Spike Added 0.100	0.1031 0.2001 0.1053 LCSD Result 0.1110		mg/Kg mg/Kg Cli <u>Unit</u> mg/Kg	ent	100 105 Sample ID: La <u>D</u> <u>%Rec</u>	70 - 130 70 - 130 ab Control Sam Prep Type: Prep Batcl %Rec Limits RPI 70 - 130	Total/NA h: 66435 RPD D 1 Limit 3 35
Ethylbenzene m-Xylene & p-Xylene o-Xylene <i>Surrogate</i> %R 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Lab Sample ID: LCSD 880-66435/2-/ Matrix: Solid Analysis Batch: 66703 Analyte Benzene Toluene	Recovery 113 83		0.100 0.200 0.100 <i>Limits</i> 70 - 130 70 - 130 70 - 130 Spike Added 0.100 0.100	0.1031 0.2001 0.1053 LCSD Result 0.1110 0.1078		mg/Kg mg/Kg Cli Mg/Kg mg/Kg	ent	100 105 Sample ID: La <u>D</u> <u>%Rec</u> 111 108	70 - 130 70 - 130 ab Control Sam Prep Type: Prep Batcl %Rec Limits RPI 70 - 130 70 - 130	Total/NA h: 66435 RPD 1 Limit 1 35 3 35 1 35

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	124		70 - 130
1,4-Difluorobenzene (Surr)	75		70 - 130

Lab Sample ID: 890-5569-A-21-D MS

Matrix: Solid

Analysis Batch: 66703									Prep Ba	atch: 66435
	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.00201	U	0.101	0.08876		mg/Kg		88	70 - 130	
Toluene	<0.00201	U F2 F1	0.101	0.07431		mg/Kg		74	70 - 130	
Ethylbenzene	<0.00201	U F2 F1	0.101	0.07440		mg/Kg		74	70 - 130	
m-Xylene & p-Xylene	<0.00402	U F2 F1	0.202	0.1432		mg/Kg		71	70 - 130	
o-Xylene	<0.00201	U F2 F1	0.101	0.09014		mg/Kg		89	70 - 130	
	MS	MS								
Surrogate	%Pecoverv	Qualifier	Limite							

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	132	S1+	70 - 130
1,4-Difluorobenzene (Surr)	68	S1-	70 - 130

Lab Sample ID: 890-5569-A-21-E MSD Matrix: Solid Analysis Batch: 66703

1,4-Difluorobenzene (Surr)

Analysis Batch: 66703									Prep	Batch:	66435
	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	<0.00201	U	0.0996	0.07067		mg/Kg		71	70 - 130	23	35
Toluene	<0.00201	U F2 F1	0.0996	0.02247	F2 F1	mg/Kg		23	70 - 130	107	35
Ethylbenzene	<0.00201	U F2 F1	0.0996	0.02605	F2 F1	mg/Kg		26	70 - 130	96	35
m-Xylene & p-Xylene	<0.00402	U F2 F1	0.199	0.05428	F2 F1	mg/Kg		27	70 - 130	90	35
o-Xylene	<0.00201	U F2 F1	0.0996	0.06237	F2 F1	mg/Kg		63	70 - 130	36	35
	MSD	MSD									
Surrogate	%Recovery	Qualifier	Limits								
4-Bromofluorobenzene (Surr)	153	S1+	70 _ 130								

70 - 130

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

89

Lab Sample ID: MB 880-66315/1- Matrix: Solid Analysis Batch: 66346						Client Sa	mple ID: Metho Prep Type: ⁻ Prep Batcl	Total/NA
Analyta	MB	MB Qualifier	RL	Unit	D	Prepared	Analyzad	Dil Fac
Analyte						· · · · · · · · · · · · · · · · · · ·	Analyzed	DIIFac
Gasoline Range Organics	<50.0	U	50.0	mg/Kg		11/06/23 16:30	11/07/23 09:02	1
(GRO)-C6-C10								
Diesel Range Organics (Over	<50.0	U	50.0	mg/Kg		11/06/23 16:30	11/07/23 09:02	1
C10-C28)								
OII Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		11/06/23 16:30	11/07/23 09:02	1
	МВ	МВ						
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	243	S1+	70 - 130			11/06/23 16:30	11/07/23 09:02	1
o-Terphenyl	301	S1+	70 _ 130			11/06/23 16:30	11/07/23 09:02	1

Job ID: 890-5564-1 SDG: 32.2907,-105.86154

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Client Sample ID: Matrix Spike Duplicate Prep Type: Total/NA

1	

Client: Ensolum Project/Site: Beu Connector Mobley Ranch Pipeline

Job ID: 890-5564-1 SDG: 32.2907,-105.86154

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Diesel Range Organics (Over C10-C28)	MSD	MSD									
	00.0										
Diesel Range Organics (Over						5				•	-
(GRO)-C6-C10	56.3	*1	1010	1102		mg/Kg		103	70 - 130	1	2
Gasoline Range Organics	<50.5	U	1010	899.8		mg/Kg		89	70 - 130	4	2
nalyte		Qualifier	Added		Qualifier	Unit	D	%Rec	Limits	RPD	Lim
	Sample	-	Spike		MSD				%Rec		RP
Analysis Batch: 66346										Batch:	
Matrix: Solid										Гуре: То	
Lab Sample ID: 890-5563-A-	19-C MSD					CI	ient Sa	ample ID	: Matrix S		
o-Terphenyl	131	S1+	70 - 130								
1-Chlorooctane		S1+	70 - 130								
Surrogate	%Recovery		Limits								
		MS									
C10-C28)											
Diesel Range Organics (Over	56.3	*1	1010	1092		mg/Kg		103	70 - 130		
Gasoline Range Organics (GRO)-C6-C10	<50.5	U	1010	937.0		mg/Kg		93	70 - 130		
Analyte		Qualifier	Added		Qualifier	Unit	D	%Rec	Limits		
	Sample	-	Spike		MS		_	ov =	%Rec		
Analysis Batch: 66346	_	. .								Batch:	663
Matrix: Solid										Type: To	
Lab Sample ID: 890-5563-A-	19-R M2							Client	Sample ID		
								O !!			•
o-Terphenyl	118		70 - 130								
I-Chlorooctane	98		70 - 130								
Surrogate	%Recovery	Qualifier	Limits								
	LCSD	LCSD									
C10-C28)											
Diesel Range Organics (Over			1000	1036	*1	mg/Kg		104	70 - 130	21	:
GRO)-C6-C10											
Gasoline Range Organics			1000	1028		mg/Kg		103	70 - 130	20	
Analyte			Added		Qualifier	Unit	D	%Rec	Limits	RPD	Lin
· · · · · · · · · · · · · · · · · · ·			Spike	LCSD	LCSD				%Rec		RF
Analysis Batch: 66346										Batch:	
Matrix: Solid								-		Type: To	
Lab Sample ID: LCSD 880-60	6315/3-A					Clier	nt San	ple ID: I	_ab Contro	l Sampl	e Du
, ioipiioiigi	,05		10 - 100								
p-Terphenyl	105		70 - 130 70 - 130								
1-Chlorooctane		guaiiiidi	70 - 130								
Surrogate	%Recovery	Qualifier	Limits								
	LCS	LCS									
C10-C28)				551.L				0.			
Diesel Range Organics (Over			1000	837.2		mg/Kg		84	70 - 130		
Gasoline Range Organics (GRO)-C6-C10			1000	841.4		mg/Kg		84	70 - 130		
Analyte			Added		Qualifier	Unit	D	%Rec	Limits		
			Spike		LCS		_	~ =	%Rec		
										Batch:	663 [,]
Analysis Batch: 66346											
Matrix: Solid Analysis Batch: 66346										Гуре: То	

Client: Ensolum Project/Site: Beu Connector Mobley Ranch Pipeline

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Job ID: 890-5564-1 SDG: 32.2907,-105.86154

Lab Sample ID: 890-5563-A-19 Matrix: Solid Analysis Batch: 66346	-C MSD								Clie	nt Sa	mple ID:	Matrix Spike Prep Type Prep Ba	: Tot	tal/NA
	MSD	MSE)											
Surrogate	%Recovery	Qua	lifier	Limits										
o-Terphenyl		S1+		70 - 130										
Lab Sample ID: MB 880-66317/ Matrix: Solid	1-A										Client Sa	Imple ID: Met Prep Type		
Analysis Batch: 66340		MR	мв									Prep Ba	tch: (0031
Analyto	D,		Qualifier	ы			Unit		D	Dr	epared	Analyzod		Dil Fa
Analyte Gasoline Range Organics		50.0		RL 50.0			mg/Kg		_		6/23 16:35	Analyzed 11/07/23 08:58		DIIFa
(GRO)-C6-C10		50.0	0	50.0			mg/ng			11/00	J/25 10.55	11/07/23 00.30)	
Diesel Range Organics (Over	<	\$50.0	U	50.0			mg/Kg			11/06	6/23 16:35	11/07/23 08:58	3	
C10-C28)														
Oll Range Organics (Over C28-C36)	<	\$50.0	U	50.0			mg/Kg			11/06	6/23 16:35	11/07/23 08:58	3	
		ΜВ	МВ											
Surrogate	%Reco	very	Qualifier	Limits						Pr	repared	Analyzed		Dil Fa
1-Chlorooctane		162	S1+	70 - 130						11/06	6/23 16:35	11/07/23 08:5	3	
o-Terphenyl		169	S1+	70 - 130						11/06	6/23 16:35	11/07/23 08:5	3	
Matrix: Solid Analysis Batch: 66340	7/ 2-A			Spike		LCS			С		-	ID: Lab Contr Prep Type Prep Ba %Rec	e: Tot	tal/N
Matrix: Solid Analysis Batch: 66340 Analyte Gasoline Range Organics	7/2-A			Spike <u>Added</u> 1000		LCS Qualit	fier	Unit mg/Kg	C	<u>D</u>	Sample %Rec 92	Prep Type Prep Ba	e: Tot	tal/N/
Matrix: Solid Analysis Batch: 66340 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	7/2-A			Added	Result				С		%Rec	Prep Type Prep Ba %Rec Limits	e: Tot	tal/N
Matrix: Solid Analysis Batch: 66340 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	7/2-A	LCS		Added	Result 924.3			mg/Kg	С		%Rec	Prep Type Prep Ba %Rec Limits 70 - 130	e: Tot	tal/N/
Matrix: Solid Analysis Batch: 66340 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)				Added	Result 924.3			mg/Kg	С		%Rec	Prep Type Prep Ba %Rec Limits 70 - 130	e: Tot	tal/N/
Matrix: Solid Analysis Batch: 66340 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate				Added	Result 924.3			mg/Kg	С		%Rec	Prep Type Prep Ba %Rec Limits 70 - 130	e: Tot	tal/N
Matrix: Solid Analysis Batch: 66340 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane	LCS %Recovery			Added 1000 1000 <i>Limits</i>	Result 924.3			mg/Kg	С		%Rec	Prep Type Prep Ba %Rec Limits 70 - 130	e: Tot	tal/N
Matrix: Solid Analysis Batch: 66340 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane p-Terphenyl	LCS %Recovery 103 115			Added 1000 1000 Limits 70 - 130	Result 924.3			mg/Kg		. <u>D</u> .	%Rec 92 106	Prep Type Prep Ba %Rec Limits 70 - 130 70 - 130	e: Tot tch: (6631
Lab Sample ID: LCS 880-66317 Matrix: Solid Analysis Batch: 66340 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-6637 Matrix: Solid	LCS %Recovery 103 115			Added 1000 1000 Limits 70 - 130	Result 924.3			mg/Kg		. <u>D</u> .	%Rec 92 106	Prep Type Prep Ba %Rec Limits 70 - 130 70 - 130	ample	e Du
Matrix: Solid Analysis Batch: 66340 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-663 Matrix: Solid	LCS %Recovery 103 115			Added 1000 1000 Limits 70 - 130	Result 924.3			mg/Kg		. <u>D</u> .	%Rec 92 106	Prep Type Prep Ba %Rec Limits 70 - 130 70 - 130 70 - 130	ample e: Tof	e Du tal/N/
Matrix: Solid Analysis Batch: 66340 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-663	LCS %Recovery 103 115			Added 1000 1000 <u>Limits</u> 70 - 130 70 - 130	Result 924.3 1057	Qualit		mg/Kg		. <u>D</u> .	%Rec 92 106	Prep Type Prep Ba %Rec Limits 70 - 130 70 - 130 70 - 130 70 - 130	ample e: Tof	e Du 6631 tal/N/ 6631
Matrix: Solid Analysis Batch: 66340 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-663 Matrix: Solid Analysis Batch: 66340	LCS %Recovery 103 115			Added 1000 1000 Limits 70 - 130	Result 924.3 1057)	mg/Kg		. <u>D</u> .	%Rec 92 106	Prep Type Prep Ba %Rec Limits 70 - 130 70 - 130 70 - 130 70 - 130 8 b Control Sa Prep Type Prep Ba %Rec	ample e: Tof	e Du 6631 tal/N/ 6631 RPI
Matrix: Solid Analysis Batch: 66340 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-663 Matrix: Solid Analysis Batch: 66340 Analyte	LCS %Recovery 103 115			Added 1000 1000 <u>Limits</u> 70 - 130 70 - 130 Spike	Result 924.3 1057 LCSD Result	LCSD)	mg/Kg mg/Kg Cli		D Sam	%Rec 92 106	Prep Type Prep Ba %Rec Limits 70 - 130 70 - 130 70 - 130 70 - 130 8 b Control Sa Prep Type Prep Ba %Rec	ample :: Tot tch: (e Du 6631 tal/N/ 6631 RPI Lim
Matrix: Solid Analysis Batch: 66340 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-663 Matrix: Solid Analysis Batch: 66340 Analyte Gasoline Range Organics	LCS %Recovery 103 115			Added 1000 1000 <i>Limits</i> 70 - 130 70 - 130 Spike Added	Result 924.3 1057	LCSD)	mg/Kg mg/Kg Cli		D Sam	%Rec 92 106 ple ID: La	Prep Type Prep Ba %Rec Limits 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 70 - 190 70 - 190	ample s: Tof s: Tof tch: (e Du 6631 tal/N, 6631 RP Lim
Matrix: Solid Analysis Batch: 66340 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-663 Matrix: Solid Analysis Batch: 66340 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	LCS %Recovery 103 115			Added 1000 1000 <i>Limits</i> 70 - 130 70 - 130 Spike Added	Result 924.3 1057 LCSD Result	Qualit LCSD Qualit)	mg/Kg mg/Kg Cli		D Sam	%Rec 92 106 ple ID: La	Prep Type Prep Ba %Rec Limits 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 70 - 190 70 - 190	ample s: Tof s: Tof tch: (e Du 6631 tal/N. 6631 RP Lim 2
Matrix: Solid Analysis Batch: 66340 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-663 Matrix: Solid	LCS %Recovery 103 115	Qua	lifier	Added 1000 1000 1000 1000 1000 1000 50 1000 1000 1000	Result 924.3 1057 LCSD Result 932.7	Qualit LCSD Qualit)	mg/Kg mg/Kg Cli <u>Unit</u> mg/Kg		D Sam	%Rec 92 106 ple ID: La %Rec 93	Prep Type Prep Ba %Rec Limits 70 - 130 70 - 130 70 - 130 70 - 130 ab Control Sa Prep Type Prep Ba %Rec Limits 70 - 130	ample e: Tof e: Tof tch: (<u>RPD</u> 1	e Du 6631 tal/NJ 6631 RPI Lim 2
Matrix: Solid Analysis Batch: 66340 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-663 Matrix: Solid Analysis Batch: 66340 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	LCS %Recovery 103 115 17/3-A	Qua	lifier	Added 1000 1000 1000 1000 1000 1000 50 1000 1000 1000	Result 924.3 1057 LCSD Result 932.7	Qualit LCSD Qualit)	mg/Kg mg/Kg Cli <u>Unit</u> mg/Kg		D Sam	%Rec 92 106 ple ID: La %Rec 93	Prep Type Prep Ba %Rec Limits 70 - 130 70 - 130 70 - 130 70 - 130 ab Control Sa Prep Type Prep Ba %Rec Limits 70 - 130	ample e: Tof e: Tof tch: (<u>RPD</u> 1	e Duj tal/N/
Matrix: Solid Analysis Batch: 66340 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-663 Matrix: Solid Analysis Batch: 66340 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	LCS %Recovery 103 115 17/3-A	Qua	lifier	Added 1000 1000 1000 1000 1000 70 - 130 70 - 130 70 - 130 1000 1000 1000	Result 924.3 1057 LCSD Result 932.7	Qualit LCSD Qualit)	mg/Kg mg/Kg Cli <u>Unit</u> mg/Kg		D Sam	%Rec 92 106 ple ID: La %Rec 93	Prep Type Prep Ba %Rec Limits 70 - 130 70 - 130 70 - 130 70 - 130 ab Control Sa Prep Type Prep Ba %Rec Limits 70 - 130	ample e: Tof e: Tof tch: (<u>RPD</u> 1	e Du 6631 tal/N, 6631 RP Lim 2

Lab Sample ID: 890-5564-18 MS

Lab Sample ID: 890-5564-18 MSD

Matrix: Solid

(GRO)-C6-C10

Analyte

C10-C28)

Surrogate

o-Terphenyl

o-Terphenyl

1-Chlorooctane

Matrix: Solid

Analysis Batch: 66340

Gasoline Range Organics

Diesel Range Organics (Over

Analysis Batch: 66340

QC Sample Results

MS MS

MSD MSD

737.2

759.3

Result Qualifier

Unit

mg/Kg

mg/Kg

D

%Rec

71

74

Spike

Added

1010

1010

Limits 70 - 130

70 - 130

Spike

Client: Ensolum Project/Site: Beu Connector Mobley Ranch Pipeline

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Sample Sample

<50.1 U

<50.1 U

95

86

Sample Sample

%Recovery

MS MS

Qualifier

Result Qualifier

Job ID: 890-5564-1 SDG: 32.2907,-105.86154

Client Sample ID: SW19

Prep Type: Total/NA

5
7
8
9

Client Sample I	D: SW19
Prep Type: 1	Total/NA
Prep Batch	n: 66317
%Rec	RPD

Prep	ype:	lota	II/NA
Prep	Batc	h: 6	6317
% Poc			חסס

Limit

20

20

1										/	
	Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD
	Gasoline Range Organics (GRO)-C6-C10	<50.1	U	1010	744.9		mg/Kg		71	70 - 130	1
	Diesel Range Organics (Over C10-C28)	<50.1	U	1010	798.0		mg/Kg		77	70 - 130	5
		MSD	MSD								
	Surrogate	%Recovery	Qualifier	Limits							
	1-Chlorooctane	96		70 - 130							
	o-Terphenyl	89		70 - 130							

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-66334/1-A Matrix: Solid									Client S	Sample ID: M Prep Ty		
Analysis Batch: 66438												
	МВ	МВ										
Analyte	Result	Qualifier		RL		Unit		D F	Prepared	Analyzed	i	Dil Fac
Chloride	<5.00	U		5.00		mg/Kg]			11/07/23 15	:47	1
Lab Sample ID: LCS 880-66334/2-A								Clien	t Sample	D: Lab Con	trol S	ample
Matrix: Solid										Prep Ty	/pe: S	oluble
Analysis Batch: 66438												
			Spike		LCS	LCS				%Rec		
Analyte			Added		Result	Qualifier	Unit	D	%Rec	Limits		
Chloride			250		244.8		mg/Kg		98	90 - 110		
Lab Sample ID: LCSD 880-66334/3-A							CI	ient San	nple ID:	Lab Control	Sampl	e Dup
Matrix: Solid										Prep Ty	,pe: S	oluble
Analysis Batch: 66438												
			Spike		LCSD	LCSD				%Rec		RPD
Analyte			Added		Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride			250		246.3		mg/Kg		99	90 - 110	1	20

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Prep Batch: 66317 %Rec Limits 70 - 130

70 - 130

Client: Ensolum Project/Site: Beu Connector Mobley Ranch Pipeline Page 235 of 306

Job ID: 890-5564-1 SDG: 32.2907,-105.86154

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-35311-A-6-C	MS							Client	Sample ID		-
Matrix: Solid									Prep	Type: S	oluble
Analysis Batch: 66438	Somela	Sampla	Spike	ме	мѕ				%Rec		
Analyta	Sample	•	Spike Added		MS Qualifier	Unit		%Rec	Limits		
Analyte Chloride	4090	Qualifier	2500	6463	Quaimer	mg/Kg	D	95	90 - 110		
	4090		2500	0403		ilig/Kg		95	90 - 110		
Lab Sample ID: 880-35311-A-6-D	MSD					0	Client \$	Sample II	D: Matrix Sp		
Matrix: Solid									Prep	Type: S	oluble
Analysis Batch: 66438											
	Sample	-	Spike		MSD		_	~ -	%Rec		RPD
Analyte		Qualifier	Added		Qualifier	Unit	D		Limits		Limit
Chloride	4090		2500	6476		mg/Kg		96	90 - 110	0	20
Lab Sample ID: MB 880-66356/1-	A							Client S	Sample ID: I	Method	Blank
Matrix: Solid									Prep	Type: S	oluble
Analysis Batch: 66512											
		MB MB									
Analyte	R	esult Qualifier		RL	Unit		D	Prepared	Analyz	ed	Dil Fac
Chloride	<	5.00 U	5	.00	mg/K	9			11/08/23 (08:06	1
Lab Sample ID: LCS 880-66356/2	2- A						Clier	nt Sample	e ID: Lab Co	ontrol S	ample
Matrix: Solid										Type: S	
Analysis Batch: 66512											
			Spike	LCS	LCS				%Rec		
Analuto			Added	Result	Qualifier	Unit	D	%Rec	Limits		
Analyte											
Chloride			250	259.5		mg/Kg		104	90 - 110		
Chloride Lab Sample ID: LCSD 880-66356 Matrix: Solid	/ 3-A		250	259.5			ent Sa		Lab Contro	l Sampl Type: S	-
Chloride Lab Sample ID: LCSD 880-66356	/ 3-A		250 Spike		LCSD		ent Sa		Lab Contro	-	-
Chloride Lab Sample ID: LCSD 880-66356 Matrix: Solid	/3-A			LCSD	LCSD Qualifier		ent Sa D	mple ID:	Lab Contro Prep [·]	-	oluble
Chloride Lab Sample ID: LCSD 880-66356 Matrix: Solid Analysis Batch: 66512	/3-A		Spike	LCSD		Cli		mple ID:	Lab Contro Prep ` %Rec	Type: S	oluble RPD
Chloride Lab Sample ID: LCSD 880-66356 Matrix: Solid Analysis Batch: 66512 Analyte Chloride	/3-A		Spike Added	LCSD Result		Cli Unit		mple ID:	Lab Contro Prep %Rec Limits 90 - 110	Type: S	Oluble RPD Limit 20
Chloride Lab Sample ID: LCSD 880-66356 Matrix: Solid Analysis Batch: 66512 Analyte	/3-A		Spike Added	LCSD Result		Cli Unit		mple ID:	Lab Contro Prep %Rec Limits 90 - 110 Client Sar	Type: S <u>RPD</u> 0 mple ID:	RPD Limit 20
Chloride Lab Sample ID: LCSD 880-66356 Matrix: Solid Analysis Batch: 66512 Analyte Chloride Lab Sample ID: 890-5564-7 MS Matrix: Solid	/ 3-A		Spike Added	LCSD Result		Cli Unit		mple ID:	Lab Contro Prep %Rec Limits 90 - 110 Client Sar	Type: S	RPD Limit 20
Chloride Lab Sample ID: LCSD 880-66356 Matrix: Solid Analysis Batch: 66512 Analyte Chloride Lab Sample ID: 890-5564-7 MS	/3-A Sample		Spike Added	LCSD Result 260.4		Cli Unit		mple ID:	Lab Contro Prep %Rec Limits 90 - 110 Client Sar	Type: S <u>RPD</u> 0 mple ID:	RPD Limit 20
Chloride Lab Sample ID: LCSD 880-66356 Matrix: Solid Analysis Batch: 66512 Analyte Chloride Lab Sample ID: 890-5564-7 MS Matrix: Solid	Sample	Sample Qualifier	Spike Added 250	LCSD Result 260.4 MS	Qualifier	Cli Unit		mple ID: - <u>%Rec</u> 104	Lab Contro Prep 7 %Rec Limits 90 - 110 Client Sar Prep 7	Type: S <u>RPD</u> 0 mple ID:	RPD Limit 20
Chloride Lab Sample ID: LCSD 880-66356 Matrix: Solid Analysis Batch: 66512 Analyte Chloride Lab Sample ID: 890-5564-7 MS Matrix: Solid Analysis Batch: 66512	Sample	Qualifier	Spike Added 250 Spike	LCSD Result 260.4 MS	Qualifier MS Qualifier	Cli Unit mg/Kg	<u>D</u>	mple ID: - <u>%Rec</u> 104	Lab Contro Prep %Rec Limits 90 - 110 Client Sar Prep %Rec	Type: S <u>RPD</u> 0 mple ID:	RPD Limit 20 : FS49
Chloride Lab Sample ID: LCSD 880-66356 Matrix: Solid Analysis Batch: 66512 Analyte Chloride Lab Sample ID: 890-5564-7 MS Matrix: Solid Analysis Batch: 66512 Analyte Chloride	Sample Result	Qualifier	Spike Added 250 Spike Added	LCSD Result 260.4 MS Result	Qualifier MS Qualifier	Cli Unit mg/Kg Unit	<u>D</u>	%Rec %Rec %Rec	Lab Contro Prep 7 %Rec Limits 90 - 110 Client Sar Prep 7 %Rec Limits 90 - 110	Type: S RPD 0 mple ID: Type: S	oluble RPD Limit 20 : FS49 oluble
Chloride Lab Sample ID: LCSD 880-66356 Matrix: Solid Analysis Batch: 66512 Analyte Chloride Lab Sample ID: 890-5564-7 MS Matrix: Solid Analysis Batch: 66512 Analyte Chloride Lab Sample ID: 890-5564-7 MSD	Sample Result	Qualifier	Spike Added 250 Spike Added	LCSD Result 260.4 MS Result	Qualifier MS Qualifier	Cli Unit mg/Kg Unit	<u>D</u>	%Rec %Rec %Rec	Lab Contro Prep 7 %Rec Limits 90 - 110 Client Sar Prep 7 %Rec Limits 90 - 110 Client Sar	Type: S RPD 0 nple ID: Type: S nple ID:	eluble RPD Limit 20 : FS49 oluble
Chloride Lab Sample ID: LCSD 880-66356 Matrix: Solid Analysis Batch: 66512 Analyte Chloride Lab Sample ID: 890-5564-7 MS Matrix: Solid Analysis Batch: 66512 Analyte Chloride Lab Sample ID: 890-5564-7 MSD Matrix: Solid	Sample Result	Qualifier	Spike Added 250 Spike Added	LCSD Result 260.4 MS Result	Qualifier MS Qualifier	Cli Unit mg/Kg Unit	<u>D</u>	%Rec %Rec %Rec	Lab Contro Prep 7 %Rec Limits 90 - 110 Client Sar Prep 7 %Rec Limits 90 - 110 Client Sar	Type: S RPD 0 mple ID: Type: S	eluble RPD Limit 20 : FS49 oluble
Chloride Lab Sample ID: LCSD 880-66356 Matrix: Solid Analysis Batch: 66512 Analyte Chloride Lab Sample ID: 890-5564-7 MS Matrix: Solid Analysis Batch: 66512 Analyte Chloride Lab Sample ID: 890-5564-7 MSD	Sample Result 334	Qualifier F1	Spike Added 250 Spike Added 249	LCSD Result 260.4 MS Result 511.2	Qualifier MS Qualifier F1	Cli Unit mg/Kg Unit	<u>D</u>	%Rec %Rec %Rec	Lab Contro Prep 7 %Rec Limits 90 - 110 Client Sar Prep 7 %Rec Limits 90 - 110 Client Sar Prep 7	Type: S RPD 0 nple ID: Type: S nple ID:	eluble RPD Limit 20 FS49 oluble FS49 oluble
Chloride Lab Sample ID: LCSD 880-66356 Matrix: Solid Analysis Batch: 66512 Analyte Chloride Lab Sample ID: 890-5564-7 MS Matrix: Solid Analysis Batch: 66512 Analyte Chloride Lab Sample ID: 890-5564-7 MSD Matrix: Solid Analysis Batch: 66512	Sample Result 334 Sample	Qualifier F1	Spike Added 250 Spike Added 249 Spike	LCSD Result 260.4 MS Result 511.2	Qualifier MS Qualifier F1	Cli Unit mg/Kg	D	%Rec 104 %Rec 71	Lab Contro Prep 7 %Rec Limits 90 - 110 Client Sar Prep 7 %Rec Limits 90 - 110 Client Sar Prep 7	Type: S RPD 0 nple ID: Type: S nple ID: Type: S	eluble RPD Limit 20 FS49 oluble FS49 oluble RPD
Chloride Lab Sample ID: LCSD 880-66356 Matrix: Solid Analysis Batch: 66512 Analyte Chloride Lab Sample ID: 890-5564-7 MS Matrix: Solid Analysis Batch: 66512 Analyte Chloride Lab Sample ID: 890-5564-7 MSD Matrix: Solid	Sample Result 334 Sample	Qualifier F1 Sample Qualifier	Spike Added 250 Spike Added 249	LCSD Result 260.4 MS Result 511.2	Qualifier MS Qualifier F1 MSD Qualifier	Cli Unit mg/Kg Unit Unit	<u>D</u>	%Rec 104 %Rec 71	Lab Contro Prep 7 %Rec Limits 90 - 110 Client Sar Prep 7 %Rec Limits 90 - 110 Client Sar Prep 7	Type: S RPD 0 nple ID: Type: S nple ID:	eluble RPD Limit 20 : FS49 oluble : FS49 oluble
Chloride Lab Sample ID: LCSD 880-66356 Matrix: Solid Analysis Batch: 66512 Analyte Chloride Lab Sample ID: 890-5564-7 MS Matrix: Solid Analysis Batch: 66512 Analyte Chloride Lab Sample ID: 890-5564-7 MSD Matrix: Solid Analysis Batch: 66512 Analyte Chloride Chlorid	Sample Result 334 Sample Result 334	Qualifier F1 Sample Qualifier	Spike Added 250 Spike Added 249 Spike Added	LCSD Result 260.4 MS Result 511.2 MSD Result	Qualifier MS Qualifier F1 MSD Qualifier	Cli Unit mg/Kg	D	%Rec 104 %Rec 71 %Rec 69	Lab Contro Prep 7 %Rec Limits 90 - 110 Client Sar Prep 7 %Rec Limits 90 - 110 Client Sar Prep 7 %Rec Limits 90 - 110	Type: S RPD 0 nple ID: Type: S nple ID: Type: S RPD 1	cluble RPD Limit 20 FS49 cluble FS49 cluble RPD Limit 20
Chloride Lab Sample ID: LCSD 880-66356 Matrix: Solid Analysis Batch: 66512 Analyte Chloride Lab Sample ID: 890-5564-7 MS Matrix: Solid Analysis Batch: 66512 Analyte Chloride Lab Sample ID: 890-5564-7 MSD Matrix: Solid Analysis Batch: 66512 Analyte Chloride Lab Sample ID: 890-5564-7 MSD Matrix: Solid Analysis Batch: 66512 Analyte Chloride Lab Sample ID: MB 880-66357/1-	Sample Result 334 Sample Result 334	Qualifier F1 Sample Qualifier	Spike Added 250 Spike Added 249 Spike Added	LCSD Result 260.4 MS Result 511.2 MSD Result	Qualifier MS Qualifier F1 MSD Qualifier	Cli Unit mg/Kg Unit Unit	D	%Rec 104 %Rec 71 %Rec 69	Lab Contro Prep 7 %Rec Limits 90 - 110 Client Sar Prep 7 %Rec Limits 90 - 110 Client Sar Prep 7 %Rec Limits 90 - 110	Type: S RPD 0 mple ID: Type: S mple ID: Type: S RPD 1 Method	oluble RPD Limit 20 : FS49 oluble : FS49 oluble RPD Limit 20 Blank
Chloride Lab Sample ID: LCSD 880-66356 Matrix: Solid Analysis Batch: 66512 Analyte Chloride Lab Sample ID: 890-5564-7 MS Matrix: Solid Analysis Batch: 66512 Analyte Chloride Lab Sample ID: 890-5564-7 MSD Matrix: Solid Analysis Batch: 66512 Analyte Chloride Lab Sample ID: MB 880-66357/1- Matrix: Solid	Sample Result 334 Sample Result 334	Qualifier F1 Sample Qualifier	Spike Added 250 Spike Added 249 Spike Added	LCSD Result 260.4 MS Result 511.2 MSD Result	Qualifier MS Qualifier F1 MSD Qualifier	Cli Unit mg/Kg Unit Unit	D	%Rec 104 %Rec 71 %Rec 69	Lab Contro Prep 7 %Rec Limits 90 - 110 Client Sar Prep 7 %Rec Limits 90 - 110 Client Sar Prep 7 %Rec Limits 90 - 110	Type: S RPD 0 nple ID: Type: S nple ID: Type: S RPD 1	oluble RPD Limit 20 : FS49 oluble : FS49 oluble RPD Limit 20 Blank
Chloride Lab Sample ID: LCSD 880-66356 Matrix: Solid Analysis Batch: 66512 Analyte Chloride Lab Sample ID: 890-5564-7 MS Matrix: Solid Analysis Batch: 66512 Analyte Chloride Lab Sample ID: 890-5564-7 MSD Matrix: Solid Analysis Batch: 66512 Analyte Chloride Lab Sample ID: MB 880-66357/1-	Sample Result 334 Sample Result 334	Qualifier F1 Sample Qualifier F1	Spike Added 250 Spike Added 249 Spike Added	LCSD Result 260.4 MS Result 511.2 MSD Result	Qualifier MS Qualifier F1 MSD Qualifier	Cli Unit mg/Kg Unit Unit	D	%Rec 104 %Rec 71 %Rec 69	Lab Contro Prep 7 %Rec Limits 90 - 110 Client Sar Prep 7 %Rec Limits 90 - 110 Client Sar Prep 7 %Rec Limits 90 - 110	Type: S RPD 0 mple ID: Type: S mple ID: Type: S RPD 1 Method	oluble RPD Limit 20 : FS49 oluble : FS49 oluble RPD Limit 20 Blank
Chloride Lab Sample ID: LCSD 880-66356 Matrix: Solid Analysis Batch: 66512 Analyte Chloride Lab Sample ID: 890-5564-7 MS Matrix: Solid Analysis Batch: 66512 Analyte Chloride Lab Sample ID: 890-5564-7 MSD Matrix: Solid Analysis Batch: 66512 Analyte Chloride Lab Sample ID: MB 880-66357/1- Matrix: Solid	Sample Result 334 Sample Result 334	Qualifier F1 Sample Qualifier	Spike Added 250 Spike Added 249 Spike Added 249	LCSD Result 260.4 MS Result 511.2 MSD Result	Qualifier MS Qualifier F1 MSD Qualifier	Cli Unit mg/Kg Unit Unit	D	%Rec 104 %Rec 71 %Rec 69	Lab Contro Prep 7 %Rec Limits 90 - 110 Client Sar Prep 7 %Rec Limits 90 - 110 Client Sar Prep 7 %Rec Limits 90 - 110	Type: S RPD 0 nple ID: Type: S Mple ID: Type: S RPD 1 Method Type: S	oluble RPD Limit 20 FS49 oluble FS49 oluble RPD Limit 20 Blank

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Released to Imaging: 6/25/2024 8:06:17 AM

Client: Ensolum

QC Sample Results

Job ID: 890-5564-1 SDG: 32.2907,-105.86154

Project/Site: Beu Connector Mobley Ranch Pipeline

 Lab Sample ID: LCS 880-66357/2-/	4							Clie	nt S	Sample	ID: Lab C	ontrol S	ample
Matrix: Solid											Prep	Type: S	oluble
Analysis Batch: 66513													
				Spike	LCS	LCS					%Rec		
Analyte				Added	Result	Qualifier	Unit	0	0	%Rec	Limits		
Chloride				250	250.8		mg/Kg			100	90 - 110		
- Lab Sample ID: LCSD 880-66357/3	-A						Cli	ient Sa	amp	ole ID: I	Lab Contro	ol Sampl	le Dup
Matrix: Solid											Prep	Type: S	oluble
Analysis Batch: 66513													
				Spike	LCSD	LCSD					%Rec		RPD
Analyte				Added		Qualifier	Unit		2	%Rec	Limits	RPD	Limit
Chloride				250	250.5		mg/Kg			100	90 - 110	0	20
											Client Sa	mple ID:	: FS53
Matrix: Solid												Type: S	
Analysis Batch: 66513													
	Sample	Sam	ple	Spike	MS	MS					%Rec		
Analyte	Result		lifier	Added	Result	Qualifier	Unit		<u> </u>	%Rec	Limits		
_Chloride	255	F1		249	545.7	F1	mg/Kg			117	90 - 110		
- Lab Sample ID: 890-5564-17 MSD											Client Sa	mple ID:	: FS53
the second s												Type: S	
Matrix: Solid													
Matrix: Solid Analysis Batch: 66513													
Matrix: Solid Analysis Batch: 66513	Sample	Sam	ple	Spike	MSD	MSD					%Rec		RPD
	Sample Result			Spike Added		MSD Qualifier	Unit		5	%Rec	%Rec Limits	RPD	Limit
Analysis Batch: 66513		Qual				Qualifier	Unit mg/Kg	[<u> </u>	%Rec 115		RPD	
Analysis Batch: 66513 Analyte Chloride	Result 255	Qual		Added	Result	Qualifier		<u>[</u>		115	Limits 90 - 110	1	Limit 20
Analysis Batch: 66513 Analyte Chloride Lab Sample ID: MB 880-66337/1-A	Result 255	Qual		Added	Result	Qualifier		[115	Limits 90 - 110 Sample ID:	1 Method	Limit 20 Blank
Analysis Batch: 66513 Analyte Chloride Lab Sample ID: MB 880-66337/1-A Matrix: Solid	Result 255	Qual		Added	Result	Qualifier		<u>[</u>		115	Limits 90 - 110 Sample ID:	1	Limit 20 Blank
Analysis Batch: 66513 Analyte Chloride Lab Sample ID: MB 880-66337/1-A	Result 255	Qual	lifier	Added	Result	Qualifier		<u>[</u>		115	Limits 90 - 110 Sample ID:	1 Method	Limit 20 Blank
Analysis Batch: 66513 Analyte Chloride Lab Sample ID: MB 880-66337/1-A Matrix: Solid	Result 255	Qual F1	lifier	Added	Result	Qualifier		[C	115	Limits 90 - 110 Sample ID:	1 Method Type: S	Limit 20 Blank
Analysis Batch: 66513 Analyte Chloride Lab Sample ID: MB 880-66337/1-A Matrix: Solid Analysis Batch: 66518	Result 255	Qual F1	MB Qualifier	Added	Result 540.3	Qualifier F1	mg/Kg		C	115	Limits 90 - 110 Sample ID: Prep	1 Method Type: S	Limit 20 Blank oluble
Analysis Batch: 66513 Analyte Chloride Lab Sample ID: MB 880-66337/1-A Matrix: Solid Analysis Batch: 66518 Analyte Chloride	Result 255	Qual F1 MB cesult	MB Qualifier	Added	Result 540.3	Qualifier F1	mg/Kg	<u>D</u>	C	115 Client S	Limits 90 - 110 Sample ID: Prep 	1 Method Type: S zed 15:02	Limit 20 Blank oluble Dil Fac
Analysis Batch: 66513 Analyte Chloride Lab Sample ID: MB 880-66337/1-A Matrix: Solid Analysis Batch: 66518 Analyte Chloride Lab Sample ID: LCS 880-66337/2-4	Result 255	Qual F1 MB cesult	MB Qualifier	Added	Result 540.3	Qualifier F1	mg/Kg	<u>D</u>	C	115 Client S	Limits 90 - 110 Sample ID: Prep - Analyz 11/08/23 PID: Lab C	Type: S zed 15:02	Limit 20 Blank oluble Dil Fac 1 ample
Analysis Batch: 66513 Analyte Chloride Lab Sample ID: MB 880-66337/1-A Matrix: Solid Analysis Batch: 66518 Analyte Chloride Lab Sample ID: LCS 880-66337/2-A Matrix: Solid	Result 255	Qual F1 MB cesult	MB Qualifier	Added	Result 540.3	Qualifier F1	mg/Kg	<u>D</u>	C	115 Client S	Limits 90 - 110 Sample ID: Prep - Analyz 11/08/23 PID: Lab C	1 Method Type: S zed 15:02	Limit 20 Blank oluble Dil Fac 1 ample
Analysis Batch: 66513 Analyte Chloride Lab Sample ID: MB 880-66337/1-A Matrix: Solid Analysis Batch: 66518 Analyte Chloride Lab Sample ID: LCS 880-66337/2-4	Result 255	Qual F1 MB cesult	MB Qualifier	Added	Result 540.3 RL 5.00	Qualifier F1	mg/Kg	<u>D</u>	C	115 Client S	Limits 90 - 110 Sample ID: Prep - Analyz 11/08/23 PID: Lab C	Type: S zed 15:02	Limit 20 Blank oluble Dil Fac 1 ample
Analysis Batch: 66513 Analyte Chloride Lab Sample ID: MB 880-66337/1-A Matrix: Solid Analysis Batch: 66518 Analyte Chloride Lab Sample ID: LCS 880-66337/2-A Matrix: Solid	Result 255	Qual F1 MB cesult	MB Qualifier	Added 249	Result 540.3	Qualifier F1 Unit mg/K	mg/Kg	<u>D</u>	C Pre nt S	115 Client S	Limits 90 - 110 Gample ID: Prep Analyz 11/08/23 e ID: Lab Co Prep	Type: S zed 15:02	Limit 20 Blank oluble Dil Fac 1 ample
Analysis Batch: 66513 Analyte Chloride Lab Sample ID: MB 880-66337/1-A Matrix: Solid Analysis Batch: 66518 Analyte Chloride Lab Sample ID: LCS 880-66337/2-A Matrix: Solid Analyte Chloride Lab Sample ID: LCS 880-66337/2-A Matrix: Solid Analysis Batch: 66518	Result 255	Qual F1 MB cesult	MB Qualifier	Added 249	Result 540.3	Qualifier F1 Unit mg/Kt	mg/Kg	D Clie	C Pre nt S	115 Client S epared	Limits 90 - 110 Gample ID: Prep 4 Analyz 11/08/23 C ID: Lab C Prep %Rec	Type: S zed 15:02	Limit 20 Blank oluble Dil Fac 1 ample
Analysis Batch: 66513 Analyte Chloride Lab Sample ID: MB 880-66337/1-A Matrix: Solid Analysis Batch: 66518 Analyte Chloride Lab Sample ID: LCS 880-66337/2-A Matrix: Solid Analyte Chloride Lab Sample ID: LCS 880-66337/2-A Matrix: Solid Analysis Batch: 66518 Analysis Batch: 66518 Chloride	Result 255	Qual F1 MB cesult	MB Qualifier	Added 249 	Result 540.3 RL 5.00 LCS Result	Qualifier F1 Unit mg/Kt	g Unit mg/Kg	D Clie	C Pre nt S	115 Client S epared Sample %Rec 103	Limits 90 - 110 Gample ID: Prep 4. 11/08/23 9 ID: Lab C Prep %Rec Limits 90 - 110	Method Type: S zed 15:02 - ontrol S Type: S	Limit 20 Blank oluble Dil Fac 1 ample oluble
Analysis Batch: 66513 Analyte Chloride Lab Sample ID: MB 880-66337/1-A Matrix: Solid Analysis Batch: 66518 Analyte Chloride Lab Sample ID: LCS 880-66337/2-A Matrix: Solid Analyte Chloride Lab Sample ID: LCS 880-66337/2-A Matrix: Solid Analyte Chloride Lab Sample ID: LCSD 880-66337/3-A	Result 255	Qual F1 MB cesult	MB Qualifier	Added 249 	Result 540.3 RL 5.00 LCS Result	Qualifier F1 Unit mg/Kt	g Unit mg/Kg	D Clie	C Pre nt S	115 Client S epared Sample %Rec 103	Limits 90 - 110 Sample ID: Prep Analyz 11/08/23 Prep %Rec Limits 90 - 110 Lab Contro	1 Method Type: S 2ed 15:02 Ontrol S Type: S	Limit 20 Blank oluble Dil Fac 1 ample oluble
Analysis Batch: 66513 Analyte Chloride Lab Sample ID: MB 880-66337/1-A Matrix: Solid Analysis Batch: 66518 Analyte Chloride Lab Sample ID: LCS 880-66337/2-A Matrix: Solid Analyte Chloride Lab Sample ID: LCS 880-66337/2-A Matrix: Solid Analyte Chloride Lab Sample ID: LCSD 880-66337/3 Matrix: Solid	Result 255	Qual F1 MB cesult	MB Qualifier	Added 249 	Result 540.3 RL 5.00 LCS Result	Qualifier F1 Unit mg/Kt	g Unit mg/Kg	D Clie	C Pre nt S	115 Client S epared Sample %Rec 103	Limits 90 - 110 Sample ID: Prep Analyz 11/08/23 Prep %Rec Limits 90 - 110 Lab Contro	1 Method Type: S Zed 15:02 - ontrol S Type: S	Limit 20 Blank oluble Dil Fac 1 ample oluble
Analysis Batch: 66513 Analyte Chloride Lab Sample ID: MB 880-66337/1-A Matrix: Solid Analysis Batch: 66518 Analyte Chloride Lab Sample ID: LCS 880-66337/2-A Matrix: Solid Analyte Chloride Lab Sample ID: LCS 880-66337/2-A Matrix: Solid Analyte Chloride Lab Sample ID: LCSD 880-66337/3-A	Result 255	Qual F1 MB cesult	MB Qualifier	Added 249 	Result 540.3 RL 5.00 LCS Result 257.8	Qualifier F1 Unit mg/Kt	g Unit mg/Kg	D Clie	C Pre nt S	115 Client S epared Sample %Rec 103	Limits 90 - 110 Sample ID: Prep Analyz 11/08/23 Prep %Rec Limits 90 - 110 Lab Contro	1 Method Type: S 2ed 15:02 Ontrol S Type: S	Limit 20 Blank oluble Dil Fac 1 ample oluble
Analysis Batch: 66513 Analyte Chloride Lab Sample ID: MB 880-66337/1-A Matrix: Solid Analysis Batch: 66518 Analyte Chloride Lab Sample ID: LCS 880-66337/2-A Matrix: Solid Analyte Chloride Lab Sample ID: LCS 880-66337/2-A Matrix: Solid Analyte Chloride Lab Sample ID: LCSD 880-66337/3 Matrix: Solid	Result 255	Qual F1 MB cesult	MB Qualifier	Added 249 Spike Added 250	Result 540.3 RL 5.00 LCS Result 257.8 LCSD	Qualifier F1 Unit mg/K LCS Qualifier	g Unit mg/Kg	D Clie	C Pre nt S	115 Client S epared Sample %Rec 103	Limits 90 - 110 Sample ID: Prep Analyz 11/08/23 PID: Lab Co Prep %Rec Limits 90 - 110 Lab Contro Prep	1 Method Type: S 2ed 15:02 Ontrol S Type: S	Limit 20 Blank oluble 1 ample oluble
Analysis Batch: 66513 Analyte Chloride Lab Sample ID: MB 880-66337/1-A Matrix: Solid Analysis Batch: 66518 Analyte Chloride Lab Sample ID: LCS 880-66337/2-A Matrix: Solid Analysis Batch: 66518 Analysis Batch: 66518 Analyte Chloride Lab Sample ID: LCS 880-66337/2-A Matrix: Solid Analysis Batch: 66518 Analyte Chloride Lab Sample ID: LCSD 880-66337/3 Matrix: Solid Analysis Batch: 66518	Result 255	Qual F1 MB cesult	MB Qualifier	Added 249 Spike Added 250 Spike	Result 540.3 RL 5.00 LCS Result 257.8 LCSD	Qualifier F1 Unit mg/Ks Qualifier	g Unit mg/Kg Cli	DClie	C Pre nt S	2115 Client S epared Sample <u>%Rec</u> 103 - ble ID: I	Limits 90 - 110 Gample ID: Prep 4nalyz 11/08/23 PID: Lab Co Prep %Rec Limits 90 - 110 Lab Contro Prep %Rec	1 Method Type: S 2ed 15:02 ontrol S Type: S Ol Sampl Type: S	Limit 20 Blank oluble 1 ample oluble e Dup oluble RPD
Analysis Batch: 66513 Analyte Chloride Lab Sample ID: MB 880-66337/1-A Matrix: Solid Analysis Batch: 66518 Analyte Chloride Lab Sample ID: LCS 880-66337/2-A Matrix: Solid Analysis Batch: 66518 Analysis Batch: 66518 Analyte Chloride Lab Sample ID: LCS 880-66337/2-A Matrix: Solid Analyte Chloride Lab Sample ID: LCSD 880-66337/3 Matrix: Solid Analysis Batch: 66518 Analysis Batch: 66518 Analysis Batch: 66518 Analysis Batch: 66518	Result 255	Qual F1 MB cesult	MB Qualifier	Added 249 Spike Added 250 Spike Added	RE 540.3	Qualifier F1 Unit mg/Ks Qualifier	g Unit mg/Kg Cli Unit	DClie	C Pre nt S	115 Client S epared Sample %Rec 103 ole ID: I %Rec	Limits 90 - 110 Sample ID: Prep Analyz 11/08/23 PID: Lab Co Prep %Rec Limits 90 - 110 Lab Controc Prep %Rec Limits 90 - 110	1 Method Type: S 2 2 2 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	Limit 20 Blank oluble 1 ample oluble e Dup oluble RPD Limit 20
Analysis Batch: 66513 Analyte Chloride Lab Sample ID: MB 880-66337/1-A Matrix: Solid Analysis Batch: 66518 Analyte Chloride Lab Sample ID: LCS 880-66337/2-A Matrix: Solid Analysis Batch: 66518 Analysis Batch: 66518 Analyte Chloride Lab Sample ID: LCS 880-66337/2-A Matrix: Solid Analyte Chloride Lab Sample ID: LCSD 880-66337/3 Matrix: Solid Analysis Batch: 66518 Analysis Batch: 66518 Analysis Batch: 66518	Result 255	Qual F1 MB cesult	MB Qualifier	Added 249 Spike Added 250 Spike Added	RE 540.3	Qualifier F1 Unit mg/Ks Qualifier	g Unit mg/Kg Cli Unit	DClie	C Pre nt S	115 Client S epared Sample %Rec 103 ole ID: I %Rec	Limits 90 - 110 Sample ID: Prep Analyz 11/08/23 PID: Lab Co Prep %Rec Limits 90 - 110 Lab Controc Prep %Rec Limits 90 - 110 Client Sa	1 Method Type: S 2ed 15:02 - ontrol S Type: S 	Limit 20 Blank oluble 1 ample oluble e Dup oluble RPD Limit 20
Analysis Batch: 66513 Analyte Chloride Lab Sample ID: MB 880-66337/1-A Matrix: Solid Analysis Batch: 66518 Analyte Chloride Lab Sample ID: LCS 880-66337/2-A Matrix: Solid Analysis Batch: 66518 Analyte Chloride Lab Sample ID: LCS 880-66337/2-A Matrix: Solid Analyte Chloride Lab Sample ID: LCSD 880-66337/3 Matrix: Solid Analysis Batch: 66518 Analysis Batch: 66518 Analysis Batch: 66518 Lab Sample ID: LCSD 880-66337/3 Matrix: Solid Analysis Batch: 66518 Analyte Chloride Lab Sample ID: 890-5564-22 MS Matrix: Solid	Result 255	Qual F1 MB cesult	MB Qualifier	Added 249 Spike Added 250 Spike Added	RE 540.3	Qualifier F1 Unit mg/Ks Qualifier	g Unit mg/Kg Cli Unit	DClie	C Pre nt S	115 Client S epared Sample %Rec 103 ole ID: I %Rec	Limits 90 - 110 Sample ID: Prep Analyz 11/08/23 PID: Lab Co Prep %Rec Limits 90 - 110 Lab Controc Prep %Rec Limits 90 - 110 Client Sa	1 Method Type: S 2 2 2 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	Limit 20 Blank oluble 1 ample oluble e Dup oluble RPD Limit 20
Analysis Batch: 66513 Analyte Chloride Lab Sample ID: MB 880-66337/1-A Matrix: Solid Analysis Batch: 66518 Analyte Chloride Lab Sample ID: LCS 880-66337/2-A Matrix: Solid Analysis Batch: 66518 Analysis Batch: 66518 Analyte Chloride Lab Sample ID: LCSD 880-66337/3 Matrix: Solid Analysis Batch: 66518 Lab Sample ID: LCSD 880-66337/3 Matrix: Solid Analysis Batch: 66518 Analysis Batch: 66518 Lab Sample ID: 890-5564-22 MS	Result 255	Qual F1 MB esult <5.00	MB Qualifier U	Added 249 Spike Added 250 Spike Added	Result 540.3 RL 5.00 LCS Result 257.8 LCSD Result 257.8	Qualifier F1 Unit mg/Ks Qualifier	g Unit mg/Kg Cli Unit	DClie	C Pre nt S	115 Client S epared Sample %Rec 103 ole ID: I %Rec	Limits 90 - 110 Sample ID: Prep Analyz 11/08/23 PID: Lab Co Prep %Rec Limits 90 - 110 Lab Controc Prep %Rec Limits 90 - 110 Client Sa	1 Method Type: S 2ed 15:02 - ontrol S Type: S 	Limit 20 Blank oluble 1 ample oluble e Dup oluble RPD Limit 20
Analysis Batch: 66513 Analyte Chloride Lab Sample ID: MB 880-66337/1-A Matrix: Solid Analysis Batch: 66518 Analyte Chloride Lab Sample ID: LCS 880-66337/2-A Matrix: Solid Analysis Batch: 66518 Analyte Chloride Lab Sample ID: LCS 880-66337/2-A Matrix: Solid Analyte Chloride Lab Sample ID: LCSD 880-66337/3 Matrix: Solid Analysis Batch: 66518 Analysis Batch: 66518 Analysis Batch: 66518 Lab Sample ID: LCSD 880-66337/3 Matrix: Solid Analysis Batch: 66518 Analyte Chloride Lab Sample ID: 890-5564-22 MS Matrix: Solid	Result 255	Qual F1 MB esult 5.00	MB Qualifier U	Added 249 Spike Added 250 Spike Added 250	Result 540.3 540.3 LCS Result 257.8 LCSD Result 258.1	Qualifier F1 Unit mg/Kt LCS Qualifier	g Unit mg/Kg Cli Unit	DClie	C Pre nt S	115 Client S epared Sample %Rec 103 ole ID: I %Rec	Limits 90 - 110 Sample ID: Prep 4 11/08/23 Prep %Rec Limits 90 - 110 Lab Contro Prep %Rec Limits 90 - 110 Client Sa Prep	1 Method Type: S 2ed 15:02 - ontrol S Type: S 	Limit 20 Blank oluble 1 ample oluble e Dup oluble RPD Limit 20

Client: Ensolum

Project/Site: Beu Connector Mobley Ranch Pipeline

Job ID: 890-5564-1 SDG: 32.2907,-105.86154

Method: 300.0 - Anions, Ion Chromatography

.ab Sample ID: 890-5564-22 M /atrix: Solid	SD								Client Sar Prep	nple ID: Type: So		
Analysis Batch: 66518	Sample	Sample	Spike	MSD	MSD				%Rec		RPD	
nalyte		Qualifier	Added		Qualifier	Unit	<u>D</u>	%Rec	Limits	RPD	Limit	
hloride	399	F1	249	592.2	F1	mg/Kg		78	90 - 110	1	20	
												Ī
												i

Client: Ensolum Project/Site: Beu Connector Mobley Ranch Pipeline

GC VOA

Prep Batch: 66321

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5564-1	SW11	Total/NA	Solid	5035	
890-5564-2	SW12	Total/NA	Solid	5035	5
890-5564-3	FS45	Total/NA	Solid	5035	
890-5564-4	FS46	Total/NA	Solid	5035	
890-5564-5	FS47	Total/NA	Solid	5035	
890-5564-6	FS48	Total/NA	Solid	5035	
890-5564-7	FS49	Total/NA	Solid	5035	
890-5564-8	SW13	Total/NA	Solid	5035	8
890-5564-9	SW14	Total/NA	Solid	5035	
890-5564-10	SW15	Total/NA	Solid	5035	9
890-5564-11	SW16	Total/NA	Solid	5035	
890-5564-12	FS50	Total/NA	Solid	5035	
890-5564-13	SW17	Total/NA	Solid	5035	
890-5564-14	FS51	Total/NA	Solid	5035	
890-5564-15	SW18	Total/NA	Solid	5035	
890-5564-16	FS52	Total/NA	Solid	5035	
890-5564-17	FS53	Total/NA	Solid	5035	
890-5564-18	SW19	Total/NA	Solid	5035	10
890-5564-19	SW20	Total/NA	Solid	5035	13
890-5564-20	FS54	Total/NA	Solid	5035	
MB 880-66321/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-66321/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-66321/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-5564-1 MS	SW11	Total/NA	Solid	5035	
890-5564-1 MSD	SW11	Total/NA	Solid	5035	

Prep Batch: 66358

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
880-34990-A-2-B MB	Method Blank	Total/NA	Solid	5030B	

Analysis Batch: 66359

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
890-5564-1	SW11	Total/NA	Solid	8021B	66321
890-5564-2	SW12	Total/NA	Solid	8021B	66321
890-5564-3	FS45	Total/NA	Solid	8021B	66321
890-5564-4	FS46	Total/NA	Solid	8021B	66321
890-5564-5	FS47	Total/NA	Solid	8021B	66321
890-5564-6	FS48	Total/NA	Solid	8021B	66321
890-5564-7	FS49	Total/NA	Solid	8021B	66321
890-5564-8	SW13	Total/NA	Solid	8021B	66321
890-5564-9	SW14	Total/NA	Solid	8021B	66321
890-5564-10	SW15	Total/NA	Solid	8021B	66321
890-5564-11	SW16	Total/NA	Solid	8021B	66321
890-5564-12	FS50	Total/NA	Solid	8021B	66321
890-5564-13	SW17	Total/NA	Solid	8021B	66321
890-5564-14	FS51	Total/NA	Solid	8021B	66321
890-5564-15	SW18	Total/NA	Solid	8021B	66321
890-5564-16	FS52	Total/NA	Solid	8021B	66321
890-5564-17	FS53	Total/NA	Solid	8021B	66321
890-5564-18	SW19	Total/NA	Solid	8021B	66321
890-5564-19	SW20	Total/NA	Solid	8021B	66321

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Job ID: 890-5564-1

SDG: 32.2907,-105.86154

Client: Ensolum Project/Site: Beu Connector Mobley Ranch Pipeline

Lab Control Sample Dup

SW11

SW11

GC VOA (Continued)

Analysis Batch: 66359 (Continued)

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method
890-5564-20	FS54	Total/NA	Solid	8021B
880-34990-A-2-B MB	Method Blank	Total/NA	Solid	8021B
MB 880-66321/5-A	Method Blank	Total/NA	Solid	8021B
LCS 880-66321/1-A	Lab Control Sample	Total/NA	Solid	8021B

Prep Batch: 66434

LCSD 880-66321/2-A

890-5564-1 MS

890-5564-1 MSD

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
MB 880-66434/5-A	Method Blank	Total/NA	Solid	5035	

Total/NA

Total/NA

Total/NA

Solid

Solid

Solid

8021B

8021B

8021B

Prep Batch: 66435

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch	
890-5564-21	FS55	Total/NA	Solid	5035		
890-5564-22	FS56	Total/NA	Solid	5035		
MB 880-66435/5-A	Method Blank	Total/NA	Solid	5035		
LCS 880-66435/1-A	Lab Control Sample	Total/NA	Solid	5035		
LCSD 880-66435/2-A	Lab Control Sample Dup	Total/NA	Solid	5035		
890-5569-A-21-D MS	Matrix Spike	Total/NA	Solid	5035		
890-5569-A-21-E MSD	Matrix Spike Duplicate	Total/NA	Solid	5035		

Analysis Batch: 66703

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
890-5564-21	FS55	Total/NA	Solid	8021B	66435
890-5564-22	FS56	Total/NA	Solid	8021B	66435
MB 880-66434/5-A	Method Blank	Total/NA	Solid	8021B	66434
MB 880-66435/5-A	Method Blank	Total/NA	Solid	8021B	66435
LCS 880-66435/1-A	Lab Control Sample	Total/NA	Solid	8021B	66435
LCSD 880-66435/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	66435
890-5569-A-21-D MS	Matrix Spike	Total/NA	Solid	8021B	66435
890-5569-A-21-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	66435

Analysis Batch: 66711

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
890-5564-1	SW11	Total/NA	Solid	Total BTEX	
890-5564-2	SW12	Total/NA	Solid	Total BTEX	
890-5564-3	FS45	Total/NA	Solid	Total BTEX	
890-5564-4	FS46	Total/NA	Solid	Total BTEX	
890-5564-5	FS47	Total/NA	Solid	Total BTEX	
890-5564-6	FS48	Total/NA	Solid	Total BTEX	
890-5564-7	FS49	Total/NA	Solid	Total BTEX	
890-5564-8	SW13	Total/NA	Solid	Total BTEX	
890-5564-9	SW14	Total/NA	Solid	Total BTEX	
890-5564-10	SW15	Total/NA	Solid	Total BTEX	
890-5564-11	SW16	Total/NA	Solid	Total BTEX	
890-5564-12	FS50	Total/NA	Solid	Total BTEX	
890-5564-13	SW17	Total/NA	Solid	Total BTEX	
890-5564-14	FS51	Total/NA	Solid	Total BTEX	
890-5564-15	SW18	Total/NA	Solid	Total BTEX	
890-5564-16	FS52	Total/NA	Solid	Total BTEX	

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Prep Batch

66321

66358

66321

66321

66321

66321

66321

Job ID: 890-5564-1 SDG: 32.2907,-105.86154

Client: Ensolum Project/Site: Beu Connector Mobley Ranch Pipeline

GC VOA (Continued)

Analysis Batch: 66711 (Continued)

Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
FS53	Total/NA	Solid	Total BTEX	
SW19	Total/NA	Solid	Total BTEX	
SW20	Total/NA	Solid	Total BTEX	
FS54	Total/NA	Solid	Total BTEX	
FS55	Total/NA	Solid	Total BTEX	
FS56	Total/NA	Solid	Total BTEX	
-	FS53 SW19 SW20 FS54 FS55	FS53 Total/NA SW19 Total/NA SW20 Total/NA FS54 Total/NA FS55 Total/NA	FS53Total/NASolidSW19Total/NASolidSW20Total/NASolidFS54Total/NASolidFS55Total/NASolid	FS53Total/NASolidTotal BTEXSW19Total/NASolidTotal BTEXSW20Total/NASolidTotal BTEXFS54Total/NASolidTotal BTEXFS55Total/NASolidTotal BTEX

GC Semi VOA

Prep Batch: 66315

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5564-1	SW11	Total/NA	Solid	8015NM Prep	
890-5564-2	SW12	Total/NA	Solid	8015NM Prep	
890-5564-3	FS45	Total/NA	Solid	8015NM Prep	
890-5564-4	FS46	Total/NA	Solid	8015NM Prep	
890-5564-5	FS47	Total/NA	Solid	8015NM Prep	
890-5564-6	FS48	Total/NA	Solid	8015NM Prep	
890-5564-7	FS49	Total/NA	Solid	8015NM Prep	
890-5564-8	SW13	Total/NA	Solid	8015NM Prep	
890-5564-9	SW14	Total/NA	Solid	8015NM Prep	
890-5564-10	SW15	Total/NA	Solid	8015NM Prep	
890-5564-11	SW16	Total/NA	Solid	8015NM Prep	
890-5564-12	FS50	Total/NA	Solid	8015NM Prep	
890-5564-13	SW17	Total/NA	Solid	8015NM Prep	
890-5564-14	FS51	Total/NA	Solid	8015NM Prep	
MB 880-66315/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-66315/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-66315/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-5563-A-19-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-5563-A-19-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Prep Batch: 66317

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5564-15	SW18	Total/NA	Solid	8015NM Prep	
890-5564-16	FS52	Total/NA	Solid	8015NM Prep	
890-5564-17	FS53	Total/NA	Solid	8015NM Prep	
890-5564-18	SW19	Total/NA	Solid	8015NM Prep	
890-5564-19	SW20	Total/NA	Solid	8015NM Prep	
890-5564-20	FS54	Total/NA	Solid	8015NM Prep	
890-5564-21	FS55	Total/NA	Solid	8015NM Prep	
890-5564-22	FS56	Total/NA	Solid	8015NM Prep	
MB 880-66317/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-66317/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-66317/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-5564-18 MS	SW19	Total/NA	Solid	8015NM Prep	
890-5564-18 MSD	SW19	Total/NA	Solid	8015NM Prep	

Analysis Batch: 66340

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
890-5564-15	SW18	Total/NA	Solid	8015B NM	66317
890-5564-16	FS52	Total/NA	Solid	8015B NM	66317

Job ID: 890-5564-1 SDG: 32.2907,-105.86154

Client: Ensolum Project/Site: Beu Connector Mobley Ranch Pipeline

GC Semi VOA (Continued)

Analysis Batch: 66340 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5564-17	FS53	Total/NA	Solid	8015B NM	66317
890-5564-18	SW19	Total/NA	Solid	8015B NM	66317
890-5564-19	SW20	Total/NA	Solid	8015B NM	66317
890-5564-20	FS54	Total/NA	Solid	8015B NM	66317
890-5564-21	FS55	Total/NA	Solid	8015B NM	66317
890-5564-22	FS56	Total/NA	Solid	8015B NM	66317
MB 880-66317/1-A	Method Blank	Total/NA	Solid	8015B NM	66317
LCS 880-66317/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	66317
LCSD 880-66317/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	66317
890-5564-18 MS	SW19	Total/NA	Solid	8015B NM	66317
890-5564-18 MSD	SW19	Total/NA	Solid	8015B NM	66317

Analysis Batch: 66346

MB 880-66317/1-A	Method Blank	Iotal/NA	Solid	8015B NM	66317	
LCS 880-66317/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	66317	8
LCSD 880-66317/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	66317	
890-5564-18 MS	SW19	Total/NA	Solid	8015B NM	66317	9
890-5564-18 MSD	SW19	Total/NA	Solid	8015B NM	66317	
Analysis Batch: 66346						
Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch	
890-5564-1	SW11	Total/NA	Solid	8015B NM	66315	
890-5564-2	SW12	Total/NA	Solid	8015B NM	66315	
890-5564-3	FS45	Total/NA	Solid	8015B NM	66315	
890-5564-4	FS46	Total/NA	Solid	8015B NM	66315	4.9
890-5564-5	FS47	Total/NA	Solid	8015B NM	66315	13
890-5564-6	FS48	Total/NA	Solid	8015B NM	66315	
890-5564-7	FS49	Total/NA	Solid	8015B NM	66315	
890-5564-8	SW13	Total/NA	Solid	8015B NM	66315	
890-5564-9	SW14	Total/NA	Solid	8015B NM	66315	
890-5564-10	SW15	Total/NA	Solid	8015B NM	66315	
890-5564-11	SW16	Total/NA	Solid	8015B NM	66315	
890-5564-12	FS50	Total/NA	Solid	8015B NM	66315	
890-5564-13	SW17	Total/NA	Solid	8015B NM	66315	
890-5564-14	FS51	Total/NA	Solid	8015B NM	66315	
MB 880-66315/1-A	Method Blank	Total/NA	Solid	8015B NM	66315	
LCS 880-66315/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	66315	
LCSD 880-66315/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	66315	
890-5563-A-19-B MS	Matrix Spike	Total/NA	Solid	8015B NM	66315	
890-5563-A-19-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	66315	

Analysis Batch: 66480

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
890-5564-1	SW11	Total/NA	Solid	8015 NM	
890-5564-2	SW12	Total/NA	Solid	8015 NM	
890-5564-3	FS45	Total/NA	Solid	8015 NM	
890-5564-4	FS46	Total/NA	Solid	8015 NM	
890-5564-5	FS47	Total/NA	Solid	8015 NM	
890-5564-6	FS48	Total/NA	Solid	8015 NM	
890-5564-7	FS49	Total/NA	Solid	8015 NM	
890-5564-8	SW13	Total/NA	Solid	8015 NM	
890-5564-9	SW14	Total/NA	Solid	8015 NM	
890-5564-10	SW15	Total/NA	Solid	8015 NM	
890-5564-11	SW16	Total/NA	Solid	8015 NM	
890-5564-12	FS50	Total/NA	Solid	8015 NM	
890-5564-13	SW17	Total/NA	Solid	8015 NM	
890-5564-14	FS51	Total/NA	Solid	8015 NM	
890-5564-15	SW18	Total/NA	Solid	8015 NM	

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Job ID: 890-5564-1 SDG: 32.2907,-105.86154

Client: Ensolum Project/Site: Beu Connector Mobley Ranch Pipeline

GC Semi VOA (Continued)

Analysis Batch: 66480 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5564-16	FS52	Total/NA	Solid	8015 NM	
890-5564-17	FS53	Total/NA	Solid	8015 NM	
890-5564-18	SW19	Total/NA	Solid	8015 NM	
890-5564-19	SW20	Total/NA	Solid	8015 NM	
890-5564-20	FS54	Total/NA	Solid	8015 NM	
890-5564-21	FS55	Total/NA	Solid	8015 NM	
890-5564-22	FS56	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 66334

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5564-21	FS55	Soluble	Solid	DI Leach	
MB 880-66334/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-66334/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
_CSD 880-66334/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
380-35311-A-6-C MS	Matrix Spike	Soluble	Solid	DI Leach	
880-35311-A-6-D MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	
-					

Leach Batch: 66337

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5564-22	FS56	Soluble	Solid	DI Leach	
MB 880-66337/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-66337/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-66337/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-5564-22 MS	FS56	Soluble	Solid	DI Leach	
890-5564-22 MSD	FS56	Soluble	Solid	DI Leach	

Leach Batch: 66356

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
890-5564-1	SW11	Soluble	Solid	DI Leach	
890-5564-2	SW12	Soluble	Solid	DI Leach	
890-5564-3	FS45	Soluble	Solid	DI Leach	
890-5564-4	FS46	Soluble	Solid	DI Leach	
890-5564-5	FS47	Soluble	Solid	DI Leach	
890-5564-6	FS48	Soluble	Solid	DI Leach	
890-5564-7	FS49	Soluble	Solid	DI Leach	
890-5564-8	SW13	Soluble	Solid	DI Leach	
890-5564-9	SW14	Soluble	Solid	DI Leach	
890-5564-10	SW15	Soluble	Solid	DI Leach	
890-5564-11	SW16	Soluble	Solid	DI Leach	
890-5564-12	FS50	Soluble	Solid	DI Leach	
890-5564-13	SW17	Soluble	Solid	DI Leach	
890-5564-14	FS51	Soluble	Solid	DI Leach	
890-5564-15	SW18	Soluble	Solid	DI Leach	
890-5564-16	FS52	Soluble	Solid	DI Leach	
MB 880-66356/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-66356/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-66356/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-5564-7 MS	FS49	Soluble	Solid	DI Leach	
890-5564-7 MSD	FS49	Soluble	Solid	DI Leach	

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Job ID: 890-5564-1 SDG: 32.2907,-105.86154

Client: Ensolum Project/Site: Beu Connector Mobley Ranch Pipeline

FS53

HPLC/IC

Leach Batch: 66357

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5564-17	FS53	Soluble	Solid	DI Leach	
890-5564-18	SW19	Soluble	Solid	DI Leach	
890-5564-19	SW20	Soluble	Solid	DI Leach	
890-5564-20	FS54	Soluble	Solid	DI Leach	
MB 880-66357/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-66357/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-66357/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-5564-17 MS	FS53	Soluble	Solid	DI Leach	

Analysis Batch: 66438

890-5564-17 MSD

Lab Sample ID 890-5564-21	Client Sample ID	Prep Type Soluble	Matrix Solid	Method	Prep Batch 66334
MB 880-66334/1-A	Method Blank	Soluble	Solid	300.0	66334
LCS 880-66334/2-A	Lab Control Sample	Soluble	Solid	300.0	66334
LCSD 880-66334/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	66334
880-35311-A-6-C MS	Matrix Spike	Soluble	Solid	300.0	66334
880-35311-A-6-D MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	66334

Soluble

Solid

DI Leach

Analysis Batch: 66512

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Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5564-1	SW11	Soluble	Solid	300.0	66356
890-5564-2	SW12	Soluble	Solid	300.0	66356
890-5564-3	FS45	Soluble	Solid	300.0	66356
890-5564-4	FS46	Soluble	Solid	300.0	66356
890-5564-5	FS47	Soluble	Solid	300.0	66356
890-5564-6	FS48	Soluble	Solid	300.0	66356
890-5564-7	FS49	Soluble	Solid	300.0	66356
890-5564-8	SW13	Soluble	Solid	300.0	66356
890-5564-9	SW14	Soluble	Solid	300.0	66356
890-5564-10	SW15	Soluble	Solid	300.0	66356
890-5564-11	SW16	Soluble	Solid	300.0	66356
890-5564-12	FS50	Soluble	Solid	300.0	66356
890-5564-13	SW17	Soluble	Solid	300.0	66356
890-5564-14	FS51	Soluble	Solid	300.0	66356
890-5564-15	SW18	Soluble	Solid	300.0	66356
890-5564-16	FS52	Soluble	Solid	300.0	66356
MB 880-66356/1-A	Method Blank	Soluble	Solid	300.0	66356
LCS 880-66356/2-A	Lab Control Sample	Soluble	Solid	300.0	66356
LCSD 880-66356/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	66356
890-5564-7 MS	FS49	Soluble	Solid	300.0	66356
890-5564-7 MSD	FS49	Soluble	Solid	300.0	66356

Analysis Batch: 66513

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5564-17	FS53	Soluble	Solid	300.0	66357
890-5564-18	SW19	Soluble	Solid	300.0	66357
890-5564-19	SW20	Soluble	Solid	300.0	66357
890-5564-20	FS54	Soluble	Solid	300.0	66357
MB 880-66357/1-A	Method Blank	Soluble	Solid	300.0	66357
LCS 880-66357/2-A	Lab Control Sample	Soluble	Solid	300.0	66357

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Job ID: 890-5564-1

SDG: 32.2907,-105.86154

Client: Ensolum Project/Site: Beu Connector Mobley Ranch Pipeline

HPLC/IC (Continued)

Analysis Batch: 66513 (Continued)

Lab Sample ID LCSD 880-66357/3-A	Client Sample ID Lab Control Sample Dup	Prep Type Soluble	Matrix Solid	Method 300.0	Prep Batch 66357
890-5564-17 MS	FS53	Soluble	Solid	300.0	66357
890-5564-17 MSD	FS53	Soluble	Solid	300.0	66357

Analysis Batch: 66518

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
890-5564-22	FS56	Soluble	Solid	300.0	66337
MB 880-66337/1-A	Method Blank	Soluble	Solid	300.0	66337
LCS 880-66337/2-A	Lab Control Sample	Soluble	Solid	300.0	66337
LCSD 880-66337/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	66337
890-5564-22 MS	FS56	Soluble	Solid	300.0	66337
890-5564-22 MSD	FS56	Soluble	Solid	300.0	66337

Job ID: 890-5564-1

SDG: 32.2907,-105.86154

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Job ID: 890-5564-1 SDG: 32.2907,-105.86154

Client Sample ID: SW11

Client: Ensolum

Date Collected: 11/02/23 09:00 Date Received: 11/03/23 08:21

Bato	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	66321	11/06/23 17:15	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	66359	11/08/23 05:35	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			66711	11/08/23 05:35	SM	EET MID
Total/NA	Analysis	8015 NM		1			66480	11/07/23 14:55	SM	EET MID
Total/NA	Prep	8015NM Prep			9.96 g	10 mL	66315	11/06/23 16:30	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	66346	11/07/23 14:55	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	66356	11/07/23 11:35	СН	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	66512	11/08/23 08:53	СН	EET MID

Client Sample ID: SW12

Date Collected: 11/02/23 09:05

Date Received: 11/03/23 08:21

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	66321	11/06/23 17:15	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	66359	11/08/23 06:01	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			66711	11/08/23 06:01	SM	EET MID
Total/NA	Analysis	8015 NM		1			66480	11/07/23 15:17	SM	EET MID
Total/NA	Prep	8015NM Prep			9.91 g	10 mL	66315	11/06/23 16:30	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	66346	11/07/23 15:17	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	66356	11/07/23 11:35	СН	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	66512	11/08/23 09:09	СН	EET MID

Client Sample ID: FS45

Date Collected: 11/02/23 09:10

Date Received: 11/03/23 08:21

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	66321	11/06/23 17:15	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	66359	11/08/23 06:26	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			66711	11/08/23 06:26	SM	EET MID
Total/NA	Analysis	8015 NM		1			66480	11/07/23 15:38	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	66315	11/06/23 16:30	ткс	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	66346	11/07/23 15:38	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	66356	11/07/23 11:35	СН	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	66512	11/08/23 09:14	СН	EET MID

Client Sample ID: FS46 Date Collected: 11/02/23 09:15 Date Received: 11/03/23 08:21

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	66321	11/06/23 17:15	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	66359	11/08/23 06:52	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			66711	11/08/23 06:52	SM	EET MID

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Lab Sample ID: 890-5564-1 Matrix: Solid

5 6 9

Lab Sample ID: 890-5564-2 Matrix: Solid

Lab Sample ID: 890-5564-3

Lab Sample ID: 890-5564-4

Matrix: Solid

	3	

Matrix: Solid

Matrix: Solid

Job ID: 890-5564-1 SDG: 32.2907,-105.86154

Lab Sample ID: 890-5564-4

Lab Sample ID: 890-5564-5

Client Sample ID: FS46

Client: Ensolum

Date Collected: 11/02/23 09:15 Date Received: 11/03/23 08:21

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			66480	11/07/23 16:00	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	66315	11/06/23 16:30	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	66346	11/07/23 16:00	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	66356	11/07/23 11:35	СН	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	66512	11/08/23 09:19	СН	EET MID

Client Sample ID: FS47

Date Collected: 11/02/23 09:20 Date Received: 11/03/23 08:21

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	66321	11/06/23 17:15	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	66359	11/08/23 07:19	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			66711	11/08/23 07:19	SM	EET MID
Total/NA	Analysis	8015 NM		1			66480	11/07/23 16:45	SM	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10 mL	66315	11/06/23 16:30	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	66346	11/07/23 16:45	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	66356	11/07/23 11:35	СН	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	66512	11/08/23 09:25	СН	EET MID

Client Sample ID: FS48

Date Collected: 11/02/23 10:00 Date Received: 11/03/23 08:21

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	66321	11/06/23 17:15	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	66359	11/08/23 07:46	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			66711	11/08/23 07:46	SM	EET MID
Total/NA	Analysis	8015 NM		1			66480	11/07/23 17:08	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	66315	11/06/23 16:30	ткс	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	66346	11/07/23 17:08	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	66356	11/07/23 11:35	СН	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	66512	11/08/23 09:30	СН	EET MID

Client Sample ID: FS49

Date	Collected:	11/02/23	10:05
Date	Received:	11/03/23	08:21

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	66321	11/06/23 17:15	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	66359	11/08/23 08:12	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			66711	11/08/23 08:12	SM	EET MID
Total/NA	Analysis	8015 NM		1			66480	11/07/23 17:30	SM	EET MID
Total/NA	Prep	8015NM Prep			9.97 g	10 mL	66315	11/06/23 16:30	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	66346	11/07/23 17:30	SM	EET MID

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Matrix: Solid

9

5

Lab Sample ID: 890-5564-7

Matrix: Solid

Matrix: Solid

Matrix: Solid

Matrix: Solid

Matrix: Solid

9

Job ID: 890-5564-1 SDG: 32.2907,-105.86154

Lab Sample ID: 890-5564-8

Lab Sample ID: 890-5564-9

Lab Sample ID: 890-5564-10

Client Sample ID: FS49

Client: Ensolum

Date Collected: 11/02/23 10:05 Date Received: 11/03/23 08:21

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.02 g	50 mL	66356	11/07/23 11:35	СН	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	66512	11/08/23 09:35	СН	EET MID

Client Sample ID: SW13

Date Collected: 11/02/23 10:10 Date Received: 11/03/23 08:21

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	66321	11/06/23 17:15	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	66359	11/08/23 08:38	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			66711	11/08/23 08:38	SM	EET MID
Total/NA	Analysis	8015 NM		1			66480	11/07/23 17:53	SM	EET MID
Total/NA	Prep	8015NM Prep			9.92 g	10 mL	66315	11/06/23 16:30	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	66346	11/07/23 17:53	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	66356	11/07/23 11:35	СН	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	66512	11/08/23 09:51	СН	EET MID

Client Sample ID: SW14 Date Collected: 11/02/23 10:15

Date Received: 11/03/23 08:21

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	66321	11/06/23 17:15	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	66359	11/08/23 09:51	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			66711	11/08/23 09:51	SM	EET MID
Total/NA	Analysis	8015 NM		1			66480	11/07/23 18:14	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	66315	11/06/23 16:30	ткс	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	66346	11/07/23 18:14	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	66356	11/07/23 11:35	СН	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	66512	11/08/23 09:56	CH	EET MID

Client Sample ID: SW15 Date Collected: 11/02/23 10:20

Date Received: 11/03/23 08:21

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	66321	11/06/23 17:15	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	66359	11/08/23 10:17	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			66711	11/08/23 10:17	SM	EET MID
Total/NA	Analysis	8015 NM		1			66480	11/07/23 18:36	SM	EET MID
Total/NA	Prep	8015NM Prep			10.10 g	10 mL	66315	11/06/23 16:30	ткс	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	66346	11/07/23 18:36	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	66356	11/07/23 11:35	СН	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	66512	11/08/23 10:12	CH	EET MID

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Lab Sample ID: 890-5564-7

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11/13/2023

Job ID: 890-5564-1 SDG: 32.2907,-105.86154

Client Sample ID: SW16

Client: Ensolum

Date Collected: 11/02/23 10:25 Date Received: 11/03/23 08:21

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	66321	11/06/23 17:15	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	66359	11/08/23 12:02	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			66711	11/08/23 12:02	SM	EET MID
Total/NA	Analysis	8015 NM		1			66480	11/07/23 18:57	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	66315	11/06/23 16:30	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	66346	11/07/23 18:57	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	66356	11/07/23 11:35	СН	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	66512	11/08/23 10:17	СН	EET MID

Client Sample ID: FS50

Date Collected: 11/02/23 11:00

Date Received: 11/03/23 08:21

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	66321	11/06/23 17:15	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	66359	11/08/23 12:28	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			66711	11/08/23 12:28	SM	EET MID
Total/NA	Analysis	8015 NM		1			66480	11/07/23 19:19	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	66315	11/06/23 16:30	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	66346	11/07/23 19:19	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	66356	11/07/23 11:35	СН	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	66512	11/08/23 10:22	СН	EET MID

Client Sample ID: SW17

Date Collected: 11/02/23 11:05

Date Received: 11/03/23 08:21

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	66321	11/06/23 17:15	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	66359	11/08/23 12:54	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			66711	11/08/23 12:54	SM	EET MID
Total/NA	Analysis	8015 NM		1			66480	11/07/23 19:40	SM	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10 mL	66315	11/06/23 16:30	ткс	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	66346	11/07/23 19:40	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	66356	11/07/23 11:35	СН	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	66512	11/08/23 10:27	CH	EET MID

Client Sample ID: FS51 Date Collected: 11/02/23 11:10 Date Received: 11/03/23 08:21

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	66321	11/06/23 17:15	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	66359	11/08/23 13:21	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			66711	11/08/23 13:21	SM	EET MID

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Lab Sample ID: 890-5564-11

Lab Sample ID: 890-5564-12

Lab Sample ID: 890-5564-13

Lab Sample ID: 890-5564-14

Matrix: Solid

Matrix: Solid

Matrix: Solid

Matrix: Solid

Job ID: 890-5564-1 SDG: 32.2907,-105.86154

Lab Sample ID: 890-5564-15

Lab Sample ID: 890-5564-16

Lab Sample ID: 890-5564-17

Matrix: Solid

Matrix: Solid

Matrix: Solid

Client Sample ID: FS51

Client: Ensolum

Date Collected: 11/02/23 11:10 Date Received: 11/03/23 08:21

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			66480	11/07/23 20:02	SM	EET MID
Total/NA	Prep	8015NM Prep			9.92 g	10 mL	66315	11/06/23 16:30	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	66346	11/07/23 20:02	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	66356	11/07/23 11:35	СН	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	66512	11/08/23 10:32	СН	EET MID

Client Sample ID: SW18

Date Collected: 11/02/23 11:15 Date Received: 11/03/23 08:21

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	66321	11/06/23 17:15	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	66359	11/08/23 13:47	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			66711	11/08/23 13:47	SM	EET MID
Total/NA	Analysis	8015 NM		1			66480	11/07/23 12:51	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	66317	11/06/23 16:35	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	66340	11/07/23 12:51	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	66356	11/07/23 11:35	СН	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	66512	11/08/23 10:38	СН	EET MID

Client Sample ID: FS52

Date Collected: 11/02/23 11:20 Date Received: 11/03/23 08:21

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	66321	11/06/23 17:15	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	66359	11/08/23 14:13	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			66711	11/08/23 14:13	SM	EET MID
Total/NA	Analysis	8015 NM		1			66480	11/07/23 13:15	SM	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10 mL	66317	11/06/23 16:35	ткс	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	66340	11/07/23 13:15	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	66356	11/07/23 11:35	СН	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	66512	11/08/23 12:46	СН	EET MID

Client Sample ID: FS53

Date Collected: 11/02/23 11:25 Date Received: 11/03/23 08:21

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	66321	11/06/23 17:15	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	66359	11/08/23 14:39	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			66711	11/08/23 14:39	SM	EET MID
Total/NA	Analysis	8015 NM		1			66480	11/07/23 13:38	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	66317	11/06/23 16:35	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	66340	11/07/23 13:38	SM	EET MID

Eurofins Carlsbad

Lab Sample ID: 890-5564-14 Matrix: Solid

Job ID: 890-5564-1 SDG: 32.2907,-105.86154

Lab Sample ID: 890-5564-17

Client Sample ID: FS53

Client: Ensolum

Date Collected: 11/02/23 11:25 Date Received: 11/03/23 08:21

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.02 g	50 mL	66357	11/07/23 11:38	СН	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	66513	11/08/23 08:43	СН	EET MID

Client Sample ID: SW19

Date Collected: 11/02/23 12:30 Date Received: 11/03/23 08:21

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	66321	11/06/23 17:15	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	66359	11/08/23 15:05	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			66711	11/08/23 15:05	SM	EET MID
Total/NA	Analysis	8015 NM		1			66480	11/07/23 11:43	SM	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10 mL	66317	11/06/23 16:35	ткс	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	66340	11/07/23 11:43	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	66357	11/07/23 11:38	СН	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	66513	11/08/23 09:00	СН	EET MID

Client Sample ID: SW20 Date Collected: 11/02/23 12:35

Date Received: 11/03/23 08:21

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	66321	11/06/23 17:15	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	66359	11/08/23 15:31	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			66711	11/08/23 15:31	SM	EET MID
Total/NA	Analysis	8015 NM		1			66480	11/07/23 14:03	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	66317	11/06/23 16:35	ткс	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	66340	11/07/23 14:03	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	66357	11/07/23 11:38	СН	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	66513	11/08/23 09:05	СН	EET MID

Client Sample ID: FS54 Date Collected: 11/02/23 12:40

Date Received: 11/03/23 08:21

Lab Sample ID: 890-5564-20

Lab Sample ID: 890-5564-19

Matrix: Solid

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	66321	11/06/23 17:15	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	66359	11/08/23 15:57	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			66711	11/08/23 15:57	SM	EET MID
Total/NA	Analysis	8015 NM		1			66480	11/07/23 14:27	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	66317	11/06/23 16:35	ткс	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	66340	11/07/23 14:27	SM	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	66357	11/07/23 11:38	СН	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	66513	11/08/23 09:11	CH	EET MID

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Matrix: Solid

9

Lab Sample ID: 890-5564-18 Matrix: Solid

				Pa	10
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Job ID: 890-5564-1 SDG: 32.2907,-105.86154

Lab Sample ID: 890-5564-22

Client Sample ID: FS55

Client: Ensolum

Date Collected: 11/02/23 12:45 Date Received: 11/03/23 08:21

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	66435	11/08/23 12:08	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	66703	11/12/23 03:56	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			66711	11/12/23 03:56	SM	EET MID
Total/NA	Analysis	8015 NM		1			66480	11/07/23 14:52	SM	EET MID
Total/NA	Prep	8015NM Prep			9.96 g	10 mL	66317	11/06/23 16:35	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	66340	11/07/23 14:52	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	66334	11/06/23 20:14	СН	EET MID
Soluble	Analysis	300.0		1			66438	11/07/23 16:40	СН	EET MID

Client Sample ID: FS56

Date Collected: 11/02/23 12:50 Date Received: 11/03/23 08:21

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	66435	11/08/23 12:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	66703	11/12/23 04:23	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			66711	11/12/23 04:23	SM	EET MID
Total/NA	Analysis	8015 NM		1			66480	11/07/23 15:17	SM	EET MID
Total/NA	Prep	8015NM Prep			9.96 g	10 mL	66317	11/06/23 16:35	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	66340	11/07/23 15:17	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	66337	11/06/23 20:19	СН	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	66518	11/08/23 15:19	СН	EET MID

Laboratory References:

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Lab Sample ID: 890-5564-21 Matrix: Solid

Matrix: Solid

5 6

Accreditation/Certification Summary

Client: Ensolum Project/Site: Beu Connector Mobley Ranch Pipeline SDG: 32.2907,-105.86154

Laboratory: Eurofins Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

uthority	Progra	am	Identification Number	Expiration Date
exas	NELAF	ס	T104704400-23-26	06-30-24
The following analyte	es are included in this report, bu	t the laboratory is not certif	ied by the governing authority. This lis	t mav include analvtes
0,	does not offer certification.	-		, ,
Analysis Method		Matrix	Analyte	, ,
0,	does not offer certification.	-		

Eurofins Carlsbad

Job ID: 890-5564-1

Page 252 of 306
Job ID: 890-5564-1 SDG: 32.2907,-105.86154

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
lotal BTEX	Total BTEX Calculation	TAL SOP	EET MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	EPA	EET MID
5035	Closed System Purge and Trap	SW846	EET MID
3015NM Prep	Microextraction	SW846	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Sample Summary

Client: Ensolum Project/Site: Beu Connector Mobley Ranch Pipeline

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Job ID: 890-5564-1 SDG: 32.2907,-105.86154

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-5564-1	SW11	Solid	11/02/23 09:00	11/03/23 08:21	0-2
890-5564-2	SW12	Solid	11/02/23 09:05	11/03/23 08:21	0-2
890-5564-3	FS45	Solid	11/02/23 09:10	11/03/23 08:21	2
890-5564-4	FS46	Solid	11/02/23 09:15	11/03/23 08:21	2
890-5564-5	FS47	Solid	11/02/23 09:20	11/03/23 08:21	2
890-5564-6	FS48	Solid	11/02/23 10:00	11/03/23 08:21	2
890-5564-7	FS49	Solid	11/02/23 10:05	11/03/23 08:21	3
890-5564-8	SW13	Solid	11/02/23 10:10	11/03/23 08:21	0-2
890-5564-9	SW14	Solid	11/02/23 10:15	11/03/23 08:21	0-2
890-5564-10	SW15	Solid	11/02/23 10:20	11/03/23 08:21	0-3
890-5564-11	SW16	Solid	11/02/23 10:25	11/03/23 08:21	0-3
890-5564-12	FS50	Solid	11/02/23 11:00	11/03/23 08:21	3
890-5564-13	SW17	Solid	11/02/23 11:05	11/03/23 08:21	0-3
890-5564-14	FS51	Solid	11/02/23 11:10	11/03/23 08:21	3
890-5564-15	SW18	Solid	11/02/23 11:15	11/03/23 08:21	0-2
890-5564-16	FS52	Solid	11/02/23 11:20	11/03/23 08:21	3
890-5564-17	FS53	Solid	11/02/23 11:25	11/03/23 08:21	3
890-5564-18	SW19	Solid	11/02/23 12:30	11/03/23 08:21	0-2
890-5564-19	SW20	Solid	11/02/23 12:35	11/03/23 08:21	0-2
890-5564-20	FS54	Solid	11/02/23 12:40	11/03/23 08:21	2
890-5564-21	FS55	Solid	11/02/23 12:45	11/03/23 08:21	2
890-5564-22	FS56	Solid	11/02/23 12:50	11/03/23 08:21	2

Released to Imaging: 6/25/2024 8:06:17 AM

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Environment Testing Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334 Work Order No:	2	Bill to: (if different) Gay ret Greed Work Order Comments	Company Name: XTO ENELORY Program: UST/PST PRP Brownfields RRC Superfund	Address: 3 OY E (-Swe Pene St State of Project:	220 CCN-15 CCN-15 CCN-15 (SK2)	Email: BBelilloen	ANALYSIS REQUEST Preservative Codes	Routine Rush Pres. DI Water: H ₂ O	Due Date:	TAT starts the day received by				 Depth Grab/ # of		12:50 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	I I I I I I I I I I I I I I I I I I I	T	7273709127310912737		BRCRA 13PPM Texas 11 Al Sb As Ba Bc Cr Co Cr Co Cr Co An Mn Mn Ni K Se Ag SiO2 Na Sr Sr Trip Trip Co Sr Cr Cr Cr Dh Mn Mn Sr Sr Sr Sr Sr	DUTY, DUTUCE COLOCITED THE THEORY OF A COLOCITED THE STAND AND COLOCITED THEORY OF A COL		Date/Time	Date/Time Relinquished by: (Signature) Received by: (Signature) 11173 2 2
Xenco		Project Manager: Deyn Gelill i	Encolum LIC	3122 Mational Rucks Hunu	le ZIP: C.C.K. Shrid MM. 55220	689-954-0652 Email: 12	the anground molder	er: 0	32. 20107-103. 76159	er's Name: Scurch Lune IV CANY	And No.	tact: Ves No Thermometer ID: 1/	Yes No W/A Correction Factor:	dentification Matrix Date Time	S IIINA2217:US	< 56 1 12:50					8RCR	CITCIE IVIET IN CITCIEN (1) ALTURING INTERNATION OF A TRAIN ACCURATION OF A TRAIN ACCURATION OF A TRAIN A TRAI	Informs Arres, A minimum charge of 39200 win or approximate to each project and a charge of 22 of a series and a charge of 25 of a series of the series of t		VIN KOMMAN

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Job Number: 890-5564-1

SDG Number: 32.2907,-105.86154

List Source: Eurofins Carlsbad

Login Sample Receipt Checklist

Client: Ensolum

Login Number: 5564 List Number: 1 Creator: Bruns, Shannon

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	N/A	Refer to Job Narrative for details.
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

Job Number: 890-5564-1

SDG Number: 32.2907,-105.86154

List Source: Eurofins Midland

List Creation: 11/06/23 01:01 PM

Login Sample Receipt Checklist

Client: Ensolum

Login Number: 5564 List Number: 2 Creator: Rodriguez, Leticia

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is	N/A	

Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").

Received by OCD: 6/13/2024 4:28:20 PM



Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Tacoma Morrissey Ensolum 601 N. Marienfeld St. Suite 400 Midland, Texas 79701 Generated 11/7/2023 2:39:07 PM

JOB DESCRIPTION

BFU Connector AW Booster Mobley Ranch Pipeline SDG NUMBER 32.2907, -103.86159

JOB NUMBER

880-35219-1

💕 Ëol

Eurofins Midland 1211 W. Florida Ave Midland TX 79701

Eurofins Midland

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Authorization

AMER

Generated 11/7/2023 2:39:07 PM

Authorized for release by Jessica Kramer, Project Manager Jessica.Kramer@et.eurofinsus.com (432)704-5440

Eurofins Midland is a laboratory within Eurofins Environment Testing South Central, LLC, a company within Eurofins Environment Testing Group of Companies

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	29

	Definitions/Glossary		
Client: Ensolun	n	Job ID: 880-35219-1	
	FU Connector AW Booster Mobley Ranch	SDG: 32.2907, -103.86159	
Pipeline			
Qualifiers			3
GC VOA			
Qualifier	Qualifier Description		
S1+	Surrogate recovery exceeds control limits, high biased.		
U	Indicates the analyte was analyzed for but not detected.		
GC Semi VOA	· · · · · · · · · · · · · · · · · · ·		
Qualifier	Qualifier Description		
S1+	Surrogate recovery exceeds control limits, high biased.		
U	Indicates the analyte was analyzed for but not detected.		
HPLC/IC			
Qualifier	Qualifier Description		
U	Indicates the analyte was analyzed for but not detected.		
Glossary			
Abbreviation	These commonly used abbreviations may or may not be present in this report.		
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis		
%R	Percent Recovery		
CFL	Contains Free Liquid		
CFU	Colony Forming Unit		
CNF	Contains No Free Liquid		
DER	Duplicate Error Ratio (normalized absolute difference)		
Dil Fac	Dilution Factor		
DL	Detection Limit (DoD/DOE)		
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample		
DLC	Decision Level Concentration (Radiochemistry)		
EDL	Estimated Detection Limit (Dioxin)		
LOD	Limit of Detection (DoD/DOE)		
LOQ	Limit of Quantitation (DoD/DOE)		
MCL	EPA recommended "Maximum Contaminant Level" Minimum Detectable Activity (Radiochemistry)		
MDA MDC	Minimum Detectable Activity (Radiochemistry) Minimum Detectable Concentration (Radiochemistry)		
MDC MDL	Minimum Detectable Concentration (Radiochemistry) Method Detection Limit		
MDL	Method Detection Limit Minimum Level (Dioxin)		
MPN	Most Probable Number		
MQL	Method Quantitation Limit		
NC	Not Calculated		
ND	Not Detected at the reporting limit (or MDL or EDL if shown)		
NEG	Negative / Absent		
POS	Positive / Present		
PQL	Practical Quantitation Limit		
PRES	Presumptive		
QC	Quality Control		
	Polative Freez Datia (Dadia chemistre)		

Relative Error Ratio (Radiochemistry)

Toxicity Equivalent Factor (Dioxin)

Too Numerous To Count

Toxicity Equivalent Quotient (Dioxin)

Reporting Limit or Requested Limit (Radiochemistry)

Relative Percent Difference, a measure of the relative difference between two points

RER

RPD TEF

TEQ

TNTC

RL

Case Narrative

Client: Ensolum Project/Site: BFU Connector AW Booster Mobley Ranch Pipeline

Job ID: 880-35219-1

Laboratory: Eurofins Midland

Narrative

Job Narrative 880-35219-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method. Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt

The samples were received on 11/2/2023 10:51 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.5°C

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: SW05 (880-35219-1), SW06 (880-35219-2), SW07 (880-35219-3), SW08 (880-35219-4), FS 41 (880-35219-5), FS 42 (880-35219-6), FS 43 (880-35219-7), SW 9 (880-35219-8), SW 10 (880-35219-9) and FS 44 (880-35219-10).

GC VOA

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-66217 and analytical batch 880-66220 was outside the upper control limits.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-66217 and analytical batch 880-66220 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC Semi VOA

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-66134 and analytical batch 880-66125 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: SW05 (880-35219-1), SW06 (880-35219-2), SW07 (880-35219-3), SW08 (880-35219-4), FS 41 (880-35219-5), FS 42 (880-35219-6), FS 43 (880-35219-7), SW 9 (880-35219-8), SW 10 (880-35219-9), FS 44 (880-35219-10), (880-35214-A-7-D), (880-35214-A-7-E MS) and (880-35214-A-7-F MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (CCV 880-66125/20), (CCV 880-66125/31) and (CCV 880-66125/5). Evidence of matrix interferences is not obvious.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

HPLC/IC

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

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Client Sample Results

Client: Ensolum Project/Site: BFU Connector AW Booster Mobley Ranch Pipeline Page 265 of 306

3 4 5

Job ID: 880-35219-1 SDG: 32.2907, -103.86159

						Lab Sam	ple ID: 880-3	
ate Collected: 10/30/23 14:05							Matr	ix: Solio
te Received: 11/02/23 10:51								
ample Depth: 0-2								
Method: SW846 8021B - Volatile	Organic Comp	ounds (GC						
Analyte	• •	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0.00202	U	0.00202	mg/Kg		11/04/23 17:22	11/06/23 12:47	
oluene	<0.00202	U	0.00202	mg/Kg		11/04/23 17:22	11/06/23 12:47	
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		11/04/23 17:22	11/06/23 12:47	
n-Xylene & p-Xylene	<0.00403	U	0.00403	mg/Kg		11/04/23 17:22	11/06/23 12:47	
o-Xylene	<0.00202	U	0.00202	mg/Kg		11/04/23 17:22	11/06/23 12:47	
Xylenes, Total	<0.00403	U	0.00403	mg/Kg		11/04/23 17:22	11/06/23 12:47	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	93		70 - 130			11/04/23 17:22	11/06/23 12:47	
1,4-Difluorobenzene (Surr)	112		70 - 130			11/04/23 17:22	11/06/23 12:47	
Method: TAL SOP Total BTEX - T	otal BTEX Cal	culation						
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Total BTEX	< 0.00403	U	0.00403	mg/Kg			11/06/23 12:47	
lethod: SW846 8015 NM - Diese nalyte	l Range Organ	<mark>ics (DRO) (</mark> Qualifier	GC) 	<mark>Unit</mark> mg/Kg	<u>D</u>	Prepared	Analyzed 11/03/23 12:06	Dil Fa
Method: SW846 8015 NM - Diese Analyte Total TPH	I Range Organ 	<mark>ics (DRO) (</mark> Qualifier U	RL		<u>D</u>	Prepared		
Method: SW846 8015 NM - Diese Analyte ^{Total} TPH Method: SW846 8015B NM - Dies	I Range Organ - Result <50.2 eel Range Orga	<mark>ics (DRO) (</mark> Qualifier U	RL		<u>D</u> 	Prepared		
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Dies Analyte	I Range Organ - Result <50.2 eel Range Orga	ics (DRO) (Qualifier U nnics (DRO) Qualifier	RL 50.2	mg/Kg		<u>.</u>	11/03/23 12:06	Dil Fa
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics	I Range Organ Result <50.2 eel Range Orga Result	ics (DRO) (Qualifier U nnics (DRO) Qualifier	RL 50.2 (GC) RL	mg/Kg Unit		Prepared	11/03/23 12:06	Dil Fa
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	I Range Organ Result <50.2 eel Range Orga Result	ics (DRO) (Qualifier U mics (DRO) Qualifier U	RL 50.2 (GC) RL	mg/Kg Unit		Prepared	11/03/23 12:06	Dil Fa
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	I Range Organ Result <pre></pre> <pre></pre> <pre></pre> <pre>Result</pre> <pre></pre> <	ics (DRO) (Qualifier U mics (DRO) Qualifier U U	RL 50.2 (GC) RL 50.2 50.2	mg/Kg Unit mg/Kg mg/Kg		Prepared 11/03/23 09:36 11/03/23 09:36	Analyzed 11/03/23 12:06 4.03/23 12:06 11/03/23 12:06 11/03/23 12:06	Dil Fa
Method: SW846 8015 NM - Diese Analyte Fotal TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics GRO)-C6-C10 Diesel Range Organics (Over C10-C28) DII Range Organics (Over C28-C36)	I Range Organ 	ics (DRO) (Qualifier U mics (DRO) Qualifier U U U	RL 50.2 (GC) RL 50.2 50.2 50.2 50.2 50.2	mg/Kg Unit mg/Kg		Prepared 11/03/23 09:36 11/03/23 09:36 11/03/23 09:36	Analyzed 11/03/23 12:06 11/03/23 12:06 11/03/23 12:06 11/03/23 12:06	Dil Fa
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) DII Range Organics (Over C28-C36) Surrogate	I Range Organ 	ics (DRO) (Qualifier U mics (DRO) Qualifier U U U Qualifier	RL 50.2 (GC) RL 50.2 50.2 50.2 50.2 50.2 Limits	mg/Kg Unit mg/Kg mg/Kg		Prepared 11/03/23 09:36 11/03/23 09:36 11/03/23 09:36 Prepared	Analyzed 11/03/23 12:06 4.03/23 12:06 11/03/23 12:06 11/03/23 12:06 11/03/23 12:06 4.03/23 12:06 11/03/23 12:06	Dil Fa Dil Fa
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorooctane	I Range Organ Result <pre></pre>	ics (DRO) (Qualifier U Qualifier U U U U Qualifier S1+	RL 50.2 (GC) RL 50.2 50.2 50.2 50.2 50.2 70.2	mg/Kg Unit mg/Kg mg/Kg		Prepared 11/03/23 09:36 11/03/23 09:36 11/03/23 09:36 Prepared 11/03/23 09:36	Analyzed 11/03/23 12:06 Analyzed 11/03/23 12:06 11/03/23 12:06 11/03/23 12:06 Analyzed 11/03/23 12:06	Dil Fa Dil Fa
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorooctane	I Range Organ Result <pre></pre>	ics (DRO) (Qualifier U mics (DRO) Qualifier U U U Qualifier	RL 50.2 (GC) RL 50.2 50.2 50.2 50.2 50.2 Limits	mg/Kg Unit mg/Kg mg/Kg		Prepared 11/03/23 09:36 11/03/23 09:36 11/03/23 09:36 Prepared	Analyzed 11/03/23 12:06 4.03/23 12:06 11/03/23 12:06 11/03/23 12:06 11/03/23 12:06 4.03/23 12:06 11/03/23 12:06	Dil Fa Dil Fa
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl	I Range Organ - Result <pre></pre> <pre></pre> <pre></pre> <pre></pre> <pre></pre> <pre> <pre> <pre> <pre> <pre> <pre> <pre> <pre></pre> <pre></pre> <pre> <p< td=""><td>ics (DRO) (Qualifier U mics (DRO) Qualifier U U U U U U U U U U U U U U U U U U U</td><td>RL 50.2 (GC) RL 50.2 50.2 50.2 50.2 50.2 50.2 50.2 50.2 50.2 50.2 50.2 50.2 6</td><td>mg/Kg Unit mg/Kg mg/Kg</td><td></td><td>Prepared 11/03/23 09:36 11/03/23 09:36 11/03/23 09:36 Prepared 11/03/23 09:36</td><td>Analyzed 11/03/23 12:06 Analyzed 11/03/23 12:06 11/03/23 12:06 11/03/23 12:06 Analyzed 11/03/23 12:06</td><td>Dil Fa Dil Fa</td></p<></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre>	ics (DRO) (Qualifier U mics (DRO) Qualifier U U U U U U U U U U U U U U U U U U U	RL 50.2 (GC) RL 50.2 50.2 50.2 50.2 50.2 50.2 50.2 50.2 50.2 50.2 50.2 50.2 6	mg/Kg Unit mg/Kg mg/Kg		Prepared 11/03/23 09:36 11/03/23 09:36 11/03/23 09:36 Prepared 11/03/23 09:36	Analyzed 11/03/23 12:06 Analyzed 11/03/23 12:06 11/03/23 12:06 11/03/23 12:06 Analyzed 11/03/23 12:06	Dil Fa Dil Fa
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorooctane p-Terphenyl Method: EPA 300.0 - Anions, Ion	I Range Organ - Result <pre></pre> <pre></pre> <pre></pre> <pre></pre> <pre></pre> <pre> <pre> <pre> <pre> <pre> <pre> <pre> <pre></pre> <pre></pre> <pre> <p< td=""><td>ics (DRO) (Qualifier U Qualifier U U U U Qualifier S1+ S1+</td><td>RL 50.2 (GC) RL 50.2 50.2 50.2 50.2 50.2 50.2 50.2 50.2 70.130 70.130</td><td>mg/Kg Unit mg/Kg mg/Kg</td><td></td><td>Prepared 11/03/23 09:36 11/03/23 09:36 11/03/23 09:36 Prepared 11/03/23 09:36</td><td>Analyzed 11/03/23 12:06 Analyzed 11/03/23 12:06 11/03/23 12:06 11/03/23 12:06 Analyzed 11/03/23 12:06</td><td>Dil Fa</td></p<></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre>	ics (DRO) (Qualifier U Qualifier U U U U Qualifier S1+ S1+	RL 50.2 (GC) RL 50.2 50.2 50.2 50.2 50.2 50.2 50.2 50.2 70.130 70.130	mg/Kg Unit mg/Kg mg/Kg		Prepared 11/03/23 09:36 11/03/23 09:36 11/03/23 09:36 Prepared 11/03/23 09:36	Analyzed 11/03/23 12:06 Analyzed 11/03/23 12:06 11/03/23 12:06 11/03/23 12:06 Analyzed 11/03/23 12:06	Dil Fa
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorooctane p-Terphenyl Method: EPA 300.0 - Anions, Ion Analyte	I Range Organ - Result <pre></pre> <pre></pre> <pre></pre> <pre></pre> <pre></pre> <pre> <pre> <pre> <pre> <pre> <pre> <pre> <pre></pre> <pre></pre> <pre> <p< td=""><td>ics (DRO) (Qualifier U mics (DRO) Qualifier U U U U U U U U U U U U U U U U U U U</td><td>RL 50.2 (GC) RL 50.2 50.2 50.2 50.2 50.2 50.2 50.2 50.2 50.2 50.2 50.2 50.2 6</td><td>mg/Kg Unit mg/Kg mg/Kg mg/Kg</td><td></td><td>Prepared 11/03/23 09:36 11/03/23 09:36 11/03/23 09:36 Prepared 11/03/23 09:36 11/03/23 09:36</td><td>11/03/23 12:06 Analyzed 11/03/23 12:06 11/03/23 12:06 11/03/23 12:06 Analyzed 11/03/23 12:06 11/03/23 12:06</td><td>Dil Fa Dil Fa</td></p<></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre>	ics (DRO) (Qualifier U mics (DRO) Qualifier U U U U U U U U U U U U U U U U U U U	RL 50.2 (GC) RL 50.2 50.2 50.2 50.2 50.2 50.2 50.2 50.2 50.2 50.2 50.2 50.2 6	mg/Kg Unit mg/Kg mg/Kg mg/Kg		Prepared 11/03/23 09:36 11/03/23 09:36 11/03/23 09:36 Prepared 11/03/23 09:36 11/03/23 09:36	11/03/23 12:06 Analyzed 11/03/23 12:06 11/03/23 12:06 11/03/23 12:06 Analyzed 11/03/23 12:06 11/03/23 12:06	Dil Fa Dil Fa
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl Method: EPA 300.0 - Anions, Ion Analyte Chloride	I Range Organ Result <pre><50.2</pre> <pre>sel Range Orga</pre> <pre>Result</pre> <pre><50.2</pre> <pre><50.2</pre> <pre><50.2</pre> <pre><50.2</pre> <pre><50.2</pre> <pre><pre><pre><pre><pre><pre><pre><pre></pre></pre></pre></pre></pre></pre></pre></pre>	ics (DRO) (Qualifier U mics (DRO) Qualifier U U U U U U U U U U U U U U U U U U U	RL 50.2 (GC) RL 50.2 50.2 50.2 50.2 50.2 50.2 50.2 50.2 6 RL	mg/Kg Unit mg/Kg mg/Kg mg/Kg		Prepared 11/03/23 09:36 11/03/23 09:36 11/03/23 09:36 Prepared 11/03/23 09:36 11/03/23 09:36 Prepared	11/03/23 12:06 Analyzed 11/03/23 12:06 11/03/23 12:06 11/03/23 12:06 11/03/23 12:06 11/03/23 12:06 11/03/23 12:06 Analyzed Analyzed	Dil Fa Dil Fa
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl Method: EPA 300.0 - Anions, Ion Analyte Chloride Chloride	I Range Organ Result <pre><50.2</pre> <pre>sel Range Orga</pre> <pre>Result</pre> <pre><50.2</pre> <pre><50.2</pre> <pre><50.2</pre> <pre><50.2</pre> <pre><50.2</pre> <pre><pre><pre><pre><pre><pre><pre><pre></pre></pre></pre></pre></pre></pre></pre></pre>	ics (DRO) (Qualifier U mics (DRO) Qualifier U U U U U U U U U U U U U U U U U U U	RL 50.2 (GC) RL 50.2 50.2 50.2 50.2 50.2 50.2 50.2 50.2 6 RL	mg/Kg Unit mg/Kg mg/Kg mg/Kg		Prepared 11/03/23 09:36 11/03/23 09:36 11/03/23 09:36 Prepared 11/03/23 09:36 11/03/23 09:36 Prepared	11/03/23 12:06 Analyzed 11/03/23 12:06 11/03/23 12:06 11/03/23 12:06 11/03/23 12:06 11/03/23 12:06 11/03/23 12:06 11/03/23 12:06 11/03/23 12:06 11/03/23 12:06 11/03/23 12:06 11/03/23 12:06 11/03/23 12:06 11/03/23 12:06 11/03/23 12:06 11/03/23 12:06 Display 11/03/23 12:06 11/03/23 12:06 Display Display	Dil Fa Dil Fa
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl Method: EPA 300.0 - Anions, Ion Analyte Chloride	I Range Organ Result <pre><50.2</pre> <pre>sel Range Orga</pre> <pre>Result</pre> <pre><50.2</pre> <pre><50.2</pre> <pre><50.2</pre> <pre><50.2</pre> <pre><50.2</pre> <pre><pre><pre><pre><pre><pre><pre><pre></pre></pre></pre></pre></pre></pre></pre></pre>	ics (DRO) (Qualifier U mics (DRO) Qualifier U U U U U U U U U U U U U U U U U U U	RL 50.2 (GC) RL 50.2 50.2 50.2 50.2 50.2 50.2 50.2 50.2 6 RL	mg/Kg Unit mg/Kg mg/Kg mg/Kg		Prepared 11/03/23 09:36 11/03/23 09:36 11/03/23 09:36 Prepared 11/03/23 09:36 11/03/23 09:36 Prepared	11/03/23 12:06 Analyzed 11/03/23 12:06 11/03/23 12:06 11/03/23 12:06 11/03/23 12:06 11/03/23 12:06 11/03/23 12:06 11/03/23 12:06 11/03/23 12:06 11/03/23 12:06 11/03/23 12:06 11/03/23 12:06 11/03/23 12:06 11/03/23 12:06 11/03/23 12:06 11/03/23 12:06 Display 11/03/23 12:06 11/03/23 12:06 Display Display	Dil Fa Dil Fa Dil Fa

	iathe organic oomp	ounus (00)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		11/04/23 17:22	11/06/23 13:07	1
Toluene	<0.00200	U	0.00200	mg/Kg		11/04/23 17:22	11/06/23 13:07	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		11/04/23 17:22	11/06/23 13:07	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		11/04/23 17:22	11/06/23 13:07	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		11/04/23 17:22	11/06/23 13:07	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		11/04/23 17:22	11/06/23 13:07	1

Eurofins Midland

Released to Imaging: 6/25/2024 8:06:17 AM

11/7/2023

Client: Ensolum

Job ID: 880-35219-1 SDG: 32.2907, -103.86159

Client Sample ID: SW06 Date Collected: 10/30/23 14:10 Date Received: 11/02/23 10:51 Sample Depth: 0-2						Lab Sam	ple ID: 880-3 Matri	5219-2 x: Solid
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130			11/04/23 17:22	11/06/23 13:07	1
1,4-Difluorobenzene (Surr)	107		70 - 130			11/04/23 17:22	11/06/23 13:07	1
Method: TAL SOP Total BTEX - To	tal BTEX Calo	ulation						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			11/06/23 13:07	1
Method: SW846 8015 NM - Diesel	Range Organ	ics (DRO) (0	GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5	mg/Kg			11/03/23 12:28	1
Method: SW846 8015B NM - Diese	el Range Orga	nics (DRO)	(GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.5	U	50.5	mg/Kg		11/03/23 09:36	11/03/23 12:28	1
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5	mg/Kg		11/03/23 09:36	11/03/23 12:28	1
Oll Range Organics (Over C28-C36)	<50.5	U	50.5	mg/Kg		11/03/23 09:36	11/03/23 12:28	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	157	S1+	70 - 130			11/03/23 09:36	11/03/23 12:28	1
o-Terphenyl	150	S1+	70 - 130			11/03/23 09:36	11/03/23 12:28	1
Method: EPA 300.0 - Anions, Ion C	Chromatograp	hy - Solubl	e					
Analyte	Result	Qualifier	RL	Unit	<u>D</u>	Prepared	Analyzed	Dil Fac
Chloride	133		4.95	mg/Kg			11/07/23 09:06	1
lient Sample ID: SW07						Lab Sam	ple ID: 880-3	5219-3
Date Collected: 10/30/23 14:15 Date Received: 11/02/23 10:51 Sample Depth: 0-2							Matri	x: Solid
Method: SW846 8021B - Volatile O					_			
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
D	<0.00199		0.00199	mg/Kg		11/04/23 17:22	11/06/23 13:28	1
	-0.00100		0.00199	mg/Kg		11/04/23 17:22	11/06/23 13:28	1
Toluene	<0.00199		0.00400					
Toluene Ethylbenzene	<0.00199	U	0.00199	mg/Kg		11/04/23 17:22	11/06/23 13:28	1
Toluene Ethylbenzene m-Xylene & p-Xylene	<0.00199 <0.00398	U U	0.00398	mg/Kg		11/04/23 17:22	11/06/23 13:28	1
Toluene Ethylbenzene m-Xylene & p-Xylene o-Xylene	<0.00199	U U U						1 1 1 1
Benzene Toluene Ethylbenzene m-Xylene & p-Xylene o-Xylene Xylenes, Total Surrogate	<0.00199 <0.00398 <0.00199	U U U U	0.00398 0.00199	mg/Kg mg/Kg		11/04/23 17:22 11/04/23 17:22 11/04/23 17:22	11/06/23 13:28 11/06/23 13:28	1 1
Toluene Ethylbenzene m-Xylene & p-Xylene o-Xylene	<0.00199 <0.00398 <0.00199 <0.00398	U U U U	0.00398 0.00199 0.00398	mg/Kg mg/Kg		11/04/23 17:22 11/04/23 17:22	11/06/23 13:28 11/06/23 13:28 11/06/23 13:28	1 1 1

Analyte	Result	Qualifier	RL	U	Jnit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	n	ng/Kg	_		11/06/23 13:28	1

Eurofins Midland

age 200 of 300

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Released to Imaging: 6/25/2024 8:06:17 AM

Client: Ensolum

5

Job ID: 880-35219-1 SDG: 32.2907, -103.86159

Client Sample ID: SW07 Date Collected: 10/30/23 14:15 Date Received: 11/02/23 10:51 Sample Depth: 0-2						Lab Sam	ple ID: 880-3 Matri	5219-3 x: Solic
- Method: SW846 8015 NM - Diese	el Range Organ	ics (DRO) (C	GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			11/03/23 12:49	
Method: SW846 8015B NM - Dies			· · ·					
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		11/03/23 09:36	11/03/23 12:49	
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		11/03/23 09:36	11/03/23 12:49	
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		11/03/23 09:36	11/03/23 12:49	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
1-Chlorooctane	178	S1+	70 - 130			11/03/23 09:36	11/03/23 12:49	
o-Terphenyl	171	S1+	70 - 130			11/03/23 09:36	11/03/23 12:49	
Method: EPA 300.0 - Anions, Ion	Chromatograp	hy - Soluble	e					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
ate Collected: 10/30/23 14:20	70.6		5.00	mg/Kg		Lab Sam	11/07/23 09:23 ple ID: 880-3 Matri	
Client Sample ID: SW08 Date Collected: 10/30/23 14:20 Date Received: 11/02/23 10:51 Sample Depth: 0-2			5.00	mg/Kg		Lab Sam	ple ID: 880-3	5219-4 x: Solic
Client Sample ID: SW08 Date Collected: 10/30/23 14:20 Date Received: 11/02/23 10:51 Gample Depth: 0-2 Method: SW846 8021B - Volatile	Organic Comp	ounds (GC)	5.00				ple ID: 880-3 Matri	x: Solid
Client Sample ID: SW08 Date Collected: 10/30/23 14:20 Date Received: 11/02/23 10:51 Sample Depth: 0-2 Method: SW846 8021B - Volatile Analyte	Organic Comp Result	ounds (GC) Qualifier	5.00	Unit		Prepared	ple ID: 880-3 Matri Analyzed	x: Solio
Client Sample ID: SW08 Date Collected: 10/30/23 14:20 Date Received: 11/02/23 10:51 Sample Depth: 0-2 Method: SW846 8021B - Volatile Analyte Benzene	Organic Comp Result <0.00202	ounds (GC) Qualifier U	<u></u>	Unit mg/Kg	D	Prepared 11/04/23 17:22	ple ID: 880-3 Matri Analyzed 11/06/23 13:48	x: Solid
Client Sample ID: SW08 Date Collected: 10/30/23 14:20 Date Received: 11/02/23 10:51 Sample Depth: 0-2 Method: SW846 8021B - Volatile Analyte Benzene Toluene	Organic Comp Result <0.00202 <0.00202	ounds (GC) Qualifier U U	5.00 RL 0.00202 0.00202	Unit mg/Kg mg/Kg	<u>D</u>	Prepared 11/04/23 17:22 11/04/23 17:22	ple ID: 880-3 Matri Analyzed 11/06/23 13:48 11/06/23 13:48	x: Solid
Client Sample ID: SW08 Date Collected: 10/30/23 14:20 Date Received: 11/02/23 10:51 Dample Depth: 0-2 Method: SW846 8021B - Volatile Analyte Benzene Toluene Ethylbenzene	Organic Comp Result <0.00202 <0.00202 <0.00202	ounds (GC) Qualifier U U U	5.00 RL 0.00202 0.00202 0.00202 0.00202	Unit mg/Kg mg/Kg mg/Kg	D	Prepared 11/04/23 17:22 11/04/23 17:22 11/04/23 17:22	Analyzed 11/06/23 13:48 11/06/23 13:48	x: Solid
Client Sample ID: SW08 Date Collected: 10/30/23 14:20 Date Received: 11/02/23 10:51 Sample Depth: 0-2 Method: SW846 8021B - Volatile Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene	Organic Comp Result <0.00202 <0.00202 <0.00202 <0.00202 <0.00404	ounds (GC) Qualifier U U U U	RL 0.00202 0.00202 0.00202 0.00202 0.00202 0.00204	Unit mg/Kg mg/Kg mg/Kg mg/Kg	<u>D</u>	Prepared 11/04/23 17:22 11/04/23 17:22 11/04/23 17:22 11/04/23 17:22	Analyzed 11/06/23 13:48 11/06/23 13:48 11/06/23 13:48 11/06/23 13:48 11/06/23 13:48	x: Solio
Client Sample ID: SW08 Date Collected: 10/30/23 14:20 Date Received: 11/02/23 10:51 Sample Depth: 0-2 Method: SW846 8021B - Volatile Analyte Benzene Toluene Ethylbenzene	Organic Comp Result <0.00202 <0.00202 <0.00202	Ounds (GC) Qualifier U U U U U U	5.00 RL 0.00202 0.00202 0.00202 0.00202	Unit mg/Kg mg/Kg mg/Kg	D	Prepared 11/04/23 17:22 11/04/23 17:22 11/04/23 17:22	Analyzed 11/06/23 13:48 11/06/23 13:48	x: Solio
Client Sample ID: SW08 Date Collected: 10/30/23 14:20 Date Received: 11/02/23 10:51 Sample Depth: 0-2 Method: SW846 8021B - Volatile Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene o-Xylene	Organic Comp Result <0.00202 <0.00202 <0.00202 <0.00202 <0.00404 <0.00202	Ounds (GC) Qualifier U U U U U U U U U U	RL 0.00202 0.00202 0.00202 0.00202 0.00202 0.00404 0.00202	Unit mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg	D	Prepared 11/04/23 17:22 11/04/23 17:22 11/04/23 17:22 11/04/23 17:22 11/04/23 17:22	Analyzed 11/06/23 13:48 11/06/23 13:48 11/06/23 13:48 11/06/23 13:48 11/06/23 13:48 11/06/23 13:48	x: Solid
Client Sample ID: SW08 Date Collected: 10/30/23 14:20 Date Received: 11/02/23 10:51 Sample Depth: 0-2 Method: SW846 8021B - Volatile Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene o-Xylene Xylenes, Total	Organic Comp Result <0.00202 <0.00202 <0.00202 <0.00404 <0.00202 <0.00404	Ounds (GC) Qualifier U U U U U U U U U U	RL 0.00202 0.00202 0.00202 0.00202 0.00202 0.00202 0.00202 0.00202 0.00202 0.00202 0.00404 0.00202 0.00404	Unit mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg	D	Prepared 11/04/23 17:22 11/04/23 17:22 11/04/23 17:22 11/04/23 17:22 11/04/23 17:22 11/04/23 17:22	Analyzed 11/06/23 13:48 11/06/23 13:48 11/06/23 13:48 11/06/23 13:48 11/06/23 13:48 11/06/23 13:48 11/06/23 13:48	x: Solid
Client Sample ID: SW08 Date Collected: 10/30/23 14:20 Date Received: 11/02/23 10:51 Sample Depth: 0-2 Method: SW846 8021B - Volatile Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene o-Xylene Xylenes, Total Surrogate	Organic Comp Result <0.00202 <0.00202 <0.00202 <0.00404 <0.00202 <0.00404 %Recovery	Ounds (GC) Qualifier U U U U U U U U U U	RL 0.00202 0.00202 0.00202 0.00202 0.00202 0.00202 0.00202 0.00202 0.00202 0.00202 0.00404 Limits	Unit mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg	<u>D</u>	Prepared 11/04/23 17:22 11/04/23 17:22 11/04/23 17:22 11/04/23 17:22 11/04/23 17:22 11/04/23 17:22 11/04/23 17:22 Prepared	Analyzed 11/06/23 13:48 11/06/23 13:48 11/06/23 13:48 11/06/23 13:48 11/06/23 13:48 11/06/23 13:48 11/06/23 13:48 11/06/23 13:48 11/06/23 13:48	X: Solid
Client Sample ID: SW08 Date Collected: 10/30/23 14:20 Date Received: 11/02/23 10:51 Sample Depth: 0-2 Method: SW846 8021B - Volatile Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene o-Xylene Xylenes, Total Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Method: TAL SOP Total BTEX - 1	Organic Comp Result <0.00202	Ounds (GC) Qualifier U U U U U U U Qualifier	RL 0.00202 0.00202 0.00202 0.00202 0.00404 0.00202 0.00404 Limits 70 - 130 70 - 130	Unit mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg		Prepared 11/04/23 17:22 11/04/23 17:22 11/04/23 17:22 11/04/23 17:22 11/04/23 17:22 11/04/23 17:22 Prepared 11/04/23 17:22 11/04/23 17:22	Analyzed 11/06/23 13:48 11/06/23 13:48 11/06/23 13:48 11/06/23 13:48 11/06/23 13:48 11/06/23 13:48 11/06/23 13:48 11/06/23 13:48 11/06/23 13:48 11/06/23 13:48 11/06/23 13:48 11/06/23 13:48 11/06/23 13:48 11/06/23 13:48 11/06/23 13:48 11/06/23 13:48 11/06/23 13:48 11/06/23 13:48	X: Solid
Client Sample ID: SW08 Date Collected: 10/30/23 14:20 Date Received: 11/02/23 10:51 Dample Depth: 0-2 Method: SW846 8021B - Volatile Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene o-Xylene Xylenes, Total Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Method: TAL SOP Total BTEX - T Analyte	Organic Comp Result <0.00202 <0.00202 <0.00404 <0.00202 <0.00404 %Recovery 101 107 Total BTEX Calc Result	Qualifier U U U U U U U U U U U U U U U U U U U	RL 0.00202 0.00202 0.00202 0.00202 0.00404 0.00202 0.00404 Limits 70 - 130 70 - 130 RL	Unit mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg	D	Prepared 11/04/23 17:22 11/04/23 17:22 11/04/23 17:22 11/04/23 17:22 11/04/23 17:22 11/04/23 17:22 Prepared 11/04/23 17:22	Analyzed 11/06/23 13:48 11/06/23 13:48 11/06/23 13:48 11/06/23 13:48 11/06/23 13:48 11/06/23 13:48 11/06/23 13:48 11/06/23 13:48 11/06/23 13:48 11/06/23 13:48 11/06/23 13:48 11/06/23 13:48 Analyzed 11/06/23 13:48 Analyzed	x: Solia Dil Fa Dil Fa
Client Sample ID: SW08 Date Collected: 10/30/23 14:20 Date Received: 11/02/23 10:51 Sample Depth: 0-2 Method: SW846 8021B - Volatile Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene o-Xylene Xylenes, Total Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Method: TAL SOP Total BTEX - 1	Organic Comp Result <0.00202	Qualifier U U U U U U U U U U U U U U U U U U U	RL 0.00202 0.00202 0.00202 0.00202 0.00404 0.00202 0.00404 Limits 70 - 130 70 - 130	Unit mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg		Prepared 11/04/23 17:22 11/04/23 17:22 11/04/23 17:22 11/04/23 17:22 11/04/23 17:22 11/04/23 17:22 Prepared 11/04/23 17:22 11/04/23 17:22	Analyzed 11/06/23 13:48 11/06/23 13:48 11/06/23 13:48 11/06/23 13:48 11/06/23 13:48 11/06/23 13:48 11/06/23 13:48 11/06/23 13:48 11/06/23 13:48 11/06/23 13:48 11/06/23 13:48 11/06/23 13:48 11/06/23 13:48 11/06/23 13:48 11/06/23 13:48 11/06/23 13:48 11/06/23 13:48 11/06/23 13:48	x: Solia
Client Sample ID: SW08 Date Collected: 10/30/23 14:20 Date Received: 11/02/23 10:51 Sample Depth: 0-2 Method: SW846 8021B - Volatile Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene o-Xylene Xylenes, Total Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Method: TAL SOP Total BTEX - 1 Analyte Total BTEX Method: SW846 8015 NM - Diese	Organic Comp Result <0.00202 <0.00202 <0.00202 <0.00404 <0.00202 <0.00404 %Recovery 101 107 Total BTEX Calc Result <0.00404 el Range Organ	Qualifier U U U U U U U U U U U U U U U U U U U	FL 0.00202 0.00202 0.00202 0.00202 0.00404 0.00202 0.00404 Limits 70 - 130 70 - 130 70 - 130 C).00404	Unit mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg	<u>D</u>	Prepared 11/04/23 17:22 11/04/23 17:22 11/04/23 17:22 11/04/23 17:22 11/04/23 17:22 11/04/23 17:22 Prepared 11/04/23 17:22 11/04/23 17:22 Prepared	Analyzed 11/06/23 13:48 11/06/23 13:48 11/06/23 13:48 11/06/23 13:48 11/06/23 13:48 11/06/23 13:48 11/06/23 13:48 11/06/23 13:48 11/06/23 13:48 11/06/23 13:48 11/06/23 13:48 11/06/23 13:48 11/06/23 13:48 11/06/23 13:48 11/06/23 13:48 11/06/23 13:48 11/06/23 13:48 11/06/23 13:48	x: Solic Dil Fa
Client Sample ID: SW08 Date Collected: 10/30/23 14:20 Date Received: 11/02/23 10:51 Sample Depth: 0-2 Method: SW846 8021B - Volatile Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene o-Xylene Xylenes, Total Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Method: TAL SOP Total BTEX - T Analyte Total BTEX	Organic Comp Result <0.00202 <0.00202 <0.00202 <0.00404 <0.00202 <0.00404 %Recovery 101 107 Total BTEX Calc Result <0.00404 el Range Organ	ounds (GC) Qualifier U U U U U Qualifier U U C Qualifier U Qualifier	RL 0.00202 0.00202 0.00202 0.00202 0.00404 0.00202 0.00404 Limits 70 - 130 70 - 130 RL 0.00404	Unit mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg		Prepared 11/04/23 17:22 11/04/23 17:22 11/04/23 17:22 11/04/23 17:22 11/04/23 17:22 11/04/23 17:22 Prepared 11/04/23 17:22 11/04/23 17:22	Analyzed 11/06/23 13:48 11/06/23 13:48 11/06/23 13:48 11/06/23 13:48 11/06/23 13:48 11/06/23 13:48 11/06/23 13:48 11/06/23 13:48 11/06/23 13:48 11/06/23 13:48 11/06/23 13:48 11/06/23 13:48 Analyzed 11/06/23 13:48 Analyzed	x: Solic Dil Fa Dil Fa

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) Analyte Result Qualifier RL Unit D Prepared Analyzed Dil Fac Gasoline Range Organics <49.6 U 49.6 mg/Kg 11/03/23 09:36 11/03/23 13:10 1 (GRO)-C6-C10 <49.6 U 49.6 mg/Kg 11/03/23 09:36 11/03/23 13:10 **Diesel Range Organics (Over** 1 C10-C28) Oll Range Organics (Over C28-C36) <49.6 U 11/03/23 13:10 49.6 mg/Kg 11/03/23 09:36 1

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Client: Ensolum

Pipeline

Job ID: 880-35219-1 SDG: 32.2907, -103.86159

Client Sample ID: SW08 Date Collected: 10/30/23 14:20						Lab Sam	ple ID: 880-3 Matri	5219 ix: Sol
ate Received: 11/02/23 10:51 ample Depth: 0-2								
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil F
1-Chlorooctane	152	S1+	70 - 130			11/03/23 09:36	11/03/23 13:10	
o-Terphenyl	141	S1+	70 - 130			11/03/23 09:36	11/03/23 13:10	
Method: EPA 300.0 - Anions, Ion	Chromatograp	hv - Solubl	le					
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil F
Chloride	60.9		4.98	mg/Kg			11/07/23 09:29	
lient Sample ID: FS 41						Lab Sam	ple ID: 880-3	5219
ate Collected: 10/30/23 14:30								ix: Sol
ate Received: 11/02/23 10:51								
ample Depth: 2								
Method: SW846 8021B - Volatile (Organic Comp	ounds (GC)					
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil F
Benzene	<0.00201	U	0.00201	mg/Kg		11/04/23 17:22	11/06/23 14:09	
Toluene	<0.00201	U	0.00201	mg/Kg		11/04/23 17:22	11/06/23 14:09	
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		11/04/23 17:22	11/06/23 14:09	
m-Xylene & p-Xylene	<0.00402	U	0.00402	mg/Kg		11/04/23 17:22	11/06/23 14:09	
o-Xylene	<0.00201	U	0.00201	mg/Kg		11/04/23 17:22	11/06/23 14:09	
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		11/04/23 17:22	11/06/23 14:09	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil
4-Bromofluorobenzene (Surr)	99		70 - 130			11/04/23 17:22	11/06/23 14:09	
1,4-Difluorobenzene (Surr)	104		70 - 130			11/04/23 17:22	11/06/23 14:09	
Method: TAL SOP Total BTEX - T	otal BTEX Calo	ulation						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil I
Total BTEX	<0.00402	U	0.00402	mg/Kg			11/06/23 14:09	
Method: SW846 8015 NM - Diese	l Range Organ	ics (DRO) (GC)					
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil
Total TPH	<49.6	U	49.6	mg/Kg			11/03/23 13:32	
Method: SW846 8015B NM - Dies	ol Pango Orga							
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil I
Gasoline Range Organics	<49.6		49.6	mg/Kg		11/03/23 09:36	11/03/23 13:32	
(GRO)-C6-C10		-						
Diesel Range Organics (Over	<49.6	U	49.6	mg/Kg		11/03/23 09:36	11/03/23 13:32	
C10-C28)								
Oll Range Organics (Over C28-C36)	<49.6	U	49.6	mg/Kg		11/03/23 09:36	11/03/23 13:32	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil I
1-Chlorooctane	144	S1+	70 - 130			11/03/23 09:36	11/03/23 13:32	
o-Terphenyl	139	S1+	70 - 130			11/03/23 09:36	11/03/23 13:32	
Method: EPA 300.0 - Anions, Ion	Chromatogram	hy - Solubl	le					
		-	-					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil F

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Client Sample Results

Client: Ensolum Project/Site: BFU Connector AW Booster Mobley Ranch Pipeline 100 ID: 880 35210 1

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Job ID: 880-35219-1 SDG: 32.2907, -103.86159

lient Sample ID: FS 42						Lab Sam	ple ID: 880-3	
ate Collected: 10/30/23 14:35 ate Received: 11/02/23 10:51							Matri	x: Soli
ample Depth: 2								
Method: SW846 8021B - Volatile (Organic Comp	ounds (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0.00200	U	0.00200	mg/Kg		11/04/23 17:22	11/06/23 14:29	
oluene	<0.00200	U	0.00200	mg/Kg		11/04/23 17:22	11/06/23 14:29	
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		11/04/23 17:22	11/06/23 14:29	
n-Xylene & p-Xylene	<0.00401	U	0.00401	mg/Kg		11/04/23 17:22	11/06/23 14:29	
o-Xylene	<0.00200	U	0.00200	mg/Kg		11/04/23 17:22	11/06/23 14:29	
Kylenes, Total	<0.00401	U	0.00401	mg/Kg		11/04/23 17:22	11/06/23 14:29	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil F
-Bromofluorobenzene (Surr)	98		70 - 130			11/04/23 17:22	11/06/23 14:29	
1,4-Difluorobenzene (Surr)	113		70 - 130			11/04/23 17:22	11/06/23 14:29	
Method: TAL SOP Total BTEX - To	tal BTEX Cal	ulation						
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil F
otal BTEX	<0.00401	U	0.00401	mg/Kg			11/06/23 14:29	
Method: SW846 8015 NM - Diesel	• •		GC)					
nalyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil F
Fotal TPH	<50.3	U	50.3	mg/Kg			11/03/23 13:54	
Method: SW846 8015B NM - Dies	el Range Orga	nics (DRO)	(GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil F
Gasoline Range Organics GRO)-C6-C10	<50.3	U	50.3	mg/Kg		11/03/23 09:36	11/03/23 13:54	
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3	mg/Kg		11/03/23 09:36	11/03/23 13:54	
Oll Range Organics (Over C28-C36)	<50.3	U	50.3	mg/Kg		11/03/23 09:36	11/03/23 13:54	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil F
-Chlorooctane	149	S1+	70 - 130			11/03/23 09:36	11/03/23 13:54	
p-Terphenyl	140	S1+	70 - 130			11/03/23 09:36	11/03/23 13:54	
Method: EPA 300.0 - Anions, Ion	Chromatograr	hy - Solubi	e					
Analyte	Result	-		Unit	D	Prepared	Analyzed	Dil F
Chloride	142		4.98	mg/Kg			11/07/23 09:51	
lient Sample ID: FS 43						Lab Sam	ple ID: 880-3	5219 [,]
te Collected: 10/30/23 14:40							•	x: Sol
ate Received: 11/02/23 10:51								
ample Depth: 2								
		ounds (GC)						

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		11/04/23 17:22	11/06/23 14:50	1
Toluene	<0.00199	U	0.00199	mg/Kg		11/04/23 17:22	11/06/23 14:50	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		11/04/23 17:22	11/06/23 14:50	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		11/04/23 17:22	11/06/23 14:50	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		11/04/23 17:22	11/06/23 14:50	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		11/04/23 17:22	11/06/23 14:50	1

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Released to Imaging: 6/25/2024 8:06:17 AM

Client: Ensolum

Client Sample Results

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Job ID: 880-35219-1 SDG: 32.2907, -103.86159

Client Sample ID: FS 43 ate Collected: 10/30/23 14:40 ate Received: 11/02/23 10:51 ample Depth: 2						Lab Sam	ple ID: 880-3 Matri	5219-7 x: Solic
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130			11/04/23 17:22	11/06/23 14:50	1
1,4-Difluorobenzene (Surr)	113		70 - 130			11/04/23 17:22	11/06/23 14:50	1
Method: TAL SOP Total BTEX -	Total BTEX Cald	ulation						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			11/06/23 14:50	
Method: SW846 8015 NM - Diese	el Range Organ	ics (DRO) (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Total TPH	<50.2	U	50.2	mg/Kg			11/03/23 14:17	
Method: SW846 8015B NM - Die	sel Range Orga	nics (DRO)	(GC)					
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Gasoline Range Organics (GRO)-C6-C10	<50.2	U	50.2	mg/Kg		11/03/23 09:36	11/03/23 14:17	
Diesel Range Organics (Over	<50.2	U	50.2	mg/Kg		11/03/23 09:36	11/03/23 14:17	
C10-C28) Oll Range Organics (Over C28-C36)	<50.2	U	50.2	mg/Kg		11/03/23 09:36	11/03/23 14:17	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
1-Chlorooctane	157	S1+	70 - 130			11/03/23 09:36	11/03/23 14:17	
o-Terphenyl	149	S1+	70 - 130			11/03/23 09:36	11/03/23 14:17	
Method: EPA 300.0 - Anions, Ior	h Chromatograp	hy - Solubl	e					
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Chloride	565		4.99	mg/Kg			11/07/23 09:57	
lient Sample ID: SW 9						Lab Sam	ple ID: 880-3	5219-8
ate Collected: 10/31/23 13:00 ate Received: 11/02/23 10:51 ample Depth: 0-2								x: Solid
Method: SW846 8021B - Volatile Analyte		ounds (GC) Qualifier) RL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0.00198		0.00198				11/06/23 15:10	
				mg/Kg		11/04/23 17:22		
Toluene	< 0.00198		0.00198	mg/Kg		11/04/23 17:22 11/04/23 17:22	11/06/23 15:10	
Ethylbenzene	< 0.00198		0.00198	mg/Kg			11/06/23 15:10	
m-Xylene & p-Xylene	< 0.00397		0.00397	mg/Kg		11/04/23 17:22	11/06/23 15:10	
o-Xylene	< 0.00198		0.00198	mg/Kg		11/04/23 17:22	11/06/23 15:10	
Xylenes, Total	<0.00397	U	0.00397	mg/Kg		11/04/23 17:22	11/06/23 15:10	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
						44/04/00 47.00	44/00/00 45.40	
4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr)	102		70 - 130			11/04/23 17:22	11/06/23 15:10	

 Method: TAL SOP Total BTEX - Total BTEX Calculation

 Analyte
 Result
 Qualifier
 RL
 Unit
 D
 Prepared
 Analyzed
 Dil Fac

 Total BTEX
 <0.00397</td>
 U
 0.00397
 mg/Kg
 D
 Prepared
 Analyzed
 Dil Fac

Eurofins Midland

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Client: Ensolum

Client Sample Results

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3 4 5

Job ID: 880-35219-1 SDG: 32.2907, -103.86159

lient Sample ID: SW 9						Lab Sam	ple ID: 880-3	5219-8
ate Collected: 10/31/23 13:00 ate Received: 11/02/23 10:51							•	x: Solid
Sample Depth: 0-2								
- Method: SW846 8015 NM - Dies	el Range Organ	ics (DRO) (GC)					
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Total TPH	<50.4	U	50.4	mg/Kg			11/03/23 14:39	
- Method: SW846 8015B NM - Die	sol Pango Orga	nice (DPO)	(60)					
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Gasoline Range Organics	<50.4	-	50.4	mg/Kg		11/03/23 09:36	11/03/23 14:39	
(GRO)-C6-C10				0.0				
Diesel Range Organics (Over	<50.4	U	50.4	mg/Kg		11/03/23 09:36	11/03/23 14:39	
C10-C28)	-50.4		50.4			44/02/02 00:00	44/02/02 44:20	
Oll Range Organics (Over C28-C36)	<50.4	0	50.4	mg/Kg		11/03/23 09:36	11/03/23 14:39	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
1-Chlorooctane		S1+	70 - 130			11/03/23 09:36	11/03/23 14:39	
o-Terphenyl	144	S1+	70 - 130			11/03/23 09:36	11/03/23 14:39	
-								
Method: EPA 300.0 - Anions, lor		-						
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Chloride	435		4.98	mg/Kg			11/07/23 10:03	
ample Depth: 0-2								
Method: SW846 8021B - Volatile	a Ordanic Comp							
				Unit	п	Prenared	Analyzed	Dil Fa
Analyte	Result	Qualifier	RL	Unit ma/Ka	D	Prepared 11/04/23 17:22	Analyzed	-
		Qualifier U		mg/Kg	<u> </u>	Prepared 11/04/23 17:22 11/04/23 17:22		
Analyte Benzene	Result <0.00199	Qualifier U U	RL 0.00199		<u> </u>	11/04/23 17:22	11/06/23 17:01	
Analyte Benzene Toluene	Result <0.00199	Qualifier U U U	RL 0.00199 0.00199	mg/Kg mg/Kg	<u> </u>	11/04/23 17:22 11/04/23 17:22	11/06/23 17:01 11/06/23 17:01	
Analyte Benzene Toluene Ethylbenzene	Result <0.00199	Qualifier U U U U U	RL 0.00199 0.00199 0.00199	mg/Kg mg/Kg mg/Kg	<u> </u>	11/04/23 17:22 11/04/23 17:22 11/04/23 17:22	11/06/23 17:01 11/06/23 17:01 11/06/23 17:01	
Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene	Result <0.00199	Qualifier U U U U U U	RL 0.00199 0.00199 0.00199 0.00398	mg/Kg mg/Kg mg/Kg mg/Kg	<u> </u>	11/04/23 17:22 11/04/23 17:22 11/04/23 17:22 11/04/23 17:22	11/06/23 17:01 11/06/23 17:01 11/06/23 17:01 11/06/23 17:01	
Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene o-Xylene	Result <0.00199	Qualifier U U U U U U U U	RL 0.00199 0.00199 0.00199 0.00398 0.00199	mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg	<u> </u>	11/04/23 17:22 11/04/23 17:22 11/04/23 17:22 11/04/23 17:22 11/04/23 17:22 11/04/23 17:22	11/06/23 17:01 11/06/23 17:01 11/06/23 17:01 11/06/23 17:01 11/06/23 17:01	
Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene o-Xylene Xylenes, Total	Result <0.00199	Qualifier U U U U U U U U	RL 0.00199 0.00199 0.00199 0.00398 0.00398 0.00398	mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg	<u> </u>	11/04/23 17:22 11/04/23 17:22 11/04/23 17:22 11/04/23 17:22 11/04/23 17:22 11/04/23 17:22	11/06/23 17:01 11/06/23 17:01 11/06/23 17:01 11/06/23 17:01 11/06/23 17:01 11/06/23 17:01	Dil Fac
Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene o-Xylene Xylenes, Total Surrogate	Result <0.00199	Qualifier U U U U U U U U	RL 0.00199 0.00199 0.00199 0.00398 0.00199 0.00398 0.00398 Limits	mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg	<u>D</u>	11/04/23 17:22 11/04/23 17:22 11/04/23 17:22 11/04/23 17:22 11/04/23 17:22 11/04/23 17:22 11/04/23 17:22 Prepared	11/06/23 17:01 11/06/23 17:01 11/06/23 17:01 11/06/23 17:01 11/06/23 17:01 11/06/23 17:01 11/06/23 17:01 Analyzed	Dil Fa
Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene o-Xylene Xylenes, Total Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr)	Result <0.00199	Qualifier U U U U U U U Qualifier	RL 0.00199 0.00199 0.00199 0.00398 0.00199 0.00398 0.00398 D.00398 70 - 130	mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg	<u>D</u>	11/04/23 17:22 11/04/23 17:22 11/04/23 17:22 11/04/23 17:22 11/04/23 17:22 11/04/23 17:22 11/04/23 17:22 11/04/23 17:22 11/04/23 17:22 11/04/23 17:22 11/04/23 17:22	11/06/23 17:01 11/06/23 17:01 11/06/23 17:01 11/06/23 17:01 11/06/23 17:01 11/06/23 17:01 11/06/23 17:01 11/06/23 17:01 11/06/23 17:01 11/06/23 17:01 11/06/23 17:01	Dil Fa
Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene o-Xylene Xylenes, Total Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Method: TAL SOP Total BTEX -	Result <0.00199	Qualifier U U U U U U Qualifier	RL 0.00199 0.00199 0.00199 0.00398 0.00199 0.00398 0.00398 1.00398 70 - 130 70 - 130	mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg		11/04/23 17:22 11/04/23 17:22 11/04/23 17:22 11/04/23 17:22 11/04/23 17:22 11/04/23 17:22 Prepared 11/04/23 17:22 11/04/23 17:22	11/06/23 17:01 11/06/23 17:01 11/06/23 17:01 11/06/23 17:01 11/06/23 17:01 11/06/23 17:01 Analyzed 11/06/23 17:01 11/06/23 17:01	Dil Fa
Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene o-Xylene Xylenes, Total Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr)	Result <0.00199	Qualifier U U U U U U Qualifier	RL 0.00199 0.00199 0.00199 0.00398 0.00199 0.00398 0.00398 D.00398 70 - 130	mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg	D	11/04/23 17:22 11/04/23 17:22 11/04/23 17:22 11/04/23 17:22 11/04/23 17:22 11/04/23 17:22 11/04/23 17:22 11/04/23 17:22 11/04/23 17:22 11/04/23 17:22 11/04/23 17:22	11/06/23 17:01 11/06/23 17:01 11/06/23 17:01 11/06/23 17:01 11/06/23 17:01 11/06/23 17:01 11/06/23 17:01 11/06/23 17:01 11/06/23 17:01 11/06/23 17:01 11/06/23 17:01	Dil Fa
Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene o-Xylene Xylenes, Total Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Method: TAL SOP Total BTEX - Analyte	Result <0.00199	Qualifier U U U U U U Qualifier	RL 0.00199 0.00199 0.00398 0.00199 0.00398 0.00398 0.00398 0.00398 0.00398 0.00398 0.00398 0.00398 0.00398 0.00398 Limits 70 - 130 70 - 130 RL	mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg		11/04/23 17:22 11/04/23 17:22 11/04/23 17:22 11/04/23 17:22 11/04/23 17:22 11/04/23 17:22 Prepared 11/04/23 17:22 11/04/23 17:22	11/06/23 17:01 11/06/23 17:01 11/06/23 17:01 11/06/23 17:01 11/06/23 17:01 11/06/23 17:01 11/06/23 17:01 11/06/23 17:01 11/06/23 17:01 Analyzed	Dil Fa
Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene o-Xylene Xylenes, Total Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Method: TAL SOP Total BTEX - Analyte	Result <0.00199	Qualifier U U U U U U U Qualifier U	RL 0.00199 0.00199 0.00398 0.00398 0.00398 0.00398 D.00398 D.00398 Participation 0.00398 D.00398 D.00398 Limits 70 - 130 RL 0.00398	mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg		11/04/23 17:22 11/04/23 17:22 11/04/23 17:22 11/04/23 17:22 11/04/23 17:22 11/04/23 17:22 Prepared 11/04/23 17:22 11/04/23 17:22	11/06/23 17:01 11/06/23 17:01 11/06/23 17:01 11/06/23 17:01 11/06/23 17:01 11/06/23 17:01 11/06/23 17:01 11/06/23 17:01 11/06/23 17:01 Analyzed	Dil Fa
Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene o-Xylene Xylenes, Total Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Method: TAL SOP Total BTEX - Analyte Total BTEX	Result <0.00199	Qualifier U U U U U U U U U U U U U U U U U U U	RL 0.00199 0.00199 0.00199 0.00398 0.00199 0.00398 0.00398 <u>Limits</u> 70 - 130 70 - 130 0.00398 GC) RL	mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg		11/04/23 17:22 11/04/23 17:22 11/04/23 17:22 11/04/23 17:22 11/04/23 17:22 11/04/23 17:22 Prepared 11/04/23 17:22 11/04/23 17:22	11/06/23 17:01 11/06/23 17:01 11/06/23 17:01 11/06/23 17:01 11/06/23 17:01 11/06/23 17:01 11/06/23 17:01 11/06/23 17:01 11/06/23 17:01 Analyzed	Dil Fa
Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene o-Xylene Xylenes, Total Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Method: TAL SOP Total BTEX - Analyte Total BTEX Method: SW846 8015 NM - Dies	Result <0.00199	Qualifier U U U U U U U U U U U U U U U U U U U	RL 0.00199 0.00199 0.00199 0.00398 0.00199 0.00398 0.00398 <u>Limits</u> 70 - 130 70 - 130 0.00398	mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg Unit mg/Kg	<u>D</u>	11/04/23 17:22 11/04/23 17:22 11/04/23 17:22 11/04/23 17:22 11/04/23 17:22 11/04/23 17:22 Prepared 11/04/23 17:22 11/04/23 17:22 Prepared	11/06/23 17:01 11/06/23 17:01 11/06/23 17:01 11/06/23 17:01 11/06/23 17:01 11/06/23 17:01 11/06/23 17:01 11/06/23 17:01 11/06/23 17:01 11/06/23 17:01 11/06/23 17:01 11/06/23 17:01 11/06/23 17:01 11/06/23 17:01	Dil Fa Dil Fa
Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene o-Xylene Xylenes, Total Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Method: TAL SOP Total BTEX - Analyte Total BTEX Method: SW846 8015 NM - Dies Analyte Total TPH	Result <0.00199	Qualifier U U U U U U U Qualifier U U ics (DRO) (Qualifier U	RL 0.00199 0.00199 0.00199 0.00398 0.00199 0.00398 <u>Limits</u> 70 - 130 70 - 130 70 - 130 GC) RL 49.8	mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg Unit Unit	<u>D</u>	11/04/23 17:22 11/04/23 17:22 11/04/23 17:22 11/04/23 17:22 11/04/23 17:22 11/04/23 17:22 Prepared 11/04/23 17:22 11/04/23 17:22 Prepared	Analyzed 11/06/23 17:01 11/06/23 17:01 11/06/23 17:01 11/06/23 17:01 11/06/23 17:01 11/06/23 17:01 11/06/23 17:01 11/06/23 17:01 11/06/23 17:01 11/06/23 17:01 11/06/23 17:01 11/06/23 17:01 Analyzed 11/06/23 17:01	Dil Fa Dil Fa
Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene o-Xylene Xylenes, Total Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Method: TAL SOP Total BTEX - Analyte Total BTEX Method: SW846 8015 NM - Dies Analyte	Result <0.00199	Qualifier U U U U U U U Qualifier U U ics (DRO) (Qualifier U	RL 0.00199 0.00199 0.00199 0.00398 0.00199 0.00398 <u>Limits</u> 70 - 130 70 - 130 70 - 130 GC) RL 49.8	mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg Unit Unit	<u>D</u>	11/04/23 17:22 11/04/23 17:22 11/04/23 17:22 11/04/23 17:22 11/04/23 17:22 11/04/23 17:22 Prepared 11/04/23 17:22 11/04/23 17:22 Prepared	Analyzed 11/06/23 17:01 11/06/23 17:01 11/06/23 17:01 11/06/23 17:01 11/06/23 17:01 11/06/23 17:01 11/06/23 17:01 11/06/23 17:01 11/06/23 17:01 11/06/23 17:01 11/06/23 17:01 11/06/23 17:01 Analyzed 11/06/23 17:01	Dil Fa

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.8	U	49.8	mg/Kg		11/03/23 09:36	11/03/23 15:01	1
(GRO)-C6-C10								
Diesel Range Organics (Over	<49.8	U	49.8	mg/Kg		11/03/23 09:36	11/03/23 15:01	1
C10-C28)								
Oll Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		11/03/23 09:36	11/03/23 15:01	1

Eurofins Midland

Client: Ensolum

Pipeline

Client Sample ID: SW 10 Date Collected: 10/31/23 13:05 Date Received: 11/02/23 10:51 Sample Depth: 0-2						Lab Sam	ole ID: 880-3 Matri	5219- ix: Soli
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
1-Chlorooctane	151	S1+	70 - 130			11/03/23 09:36	11/03/23 15:01	
o-Terphenyl	146	S1+	70 - 130			11/03/23 09:36	11/03/23 15:01	
Method: EPA 300.0 - Anions, Ion	Chromatograp	hy - Solubl	e					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Chloride	164		5.01	mg/Kg			11/07/23 10:08	
Client Sample ID: FS 44						Lab Samp	le ID: 880-35	219-1
bate Collected: 10/31/23 14:00 bate Received: 11/02/23 10:51 cample Depth: 2							Matri	x: Sol
Method: SW846 8021B - Volatile				1124		Durant	American	D 11 E
Analyte Benzene		Qualifier	RL		<u> </u>	Prepared	Analyzed	Dil Fa
Toluene	<0.00198		0.00198 0.00198	mg/Kg		11/04/23 17:22 11/04/23 17:22	11/06/23 17:21 11/06/23 17:21	
Ethylbenzene	< 0.00198		0.00198	mg/Kg		11/04/23 17:22	11/06/23 17:21	
				mg/Kg				
m-Xylene & p-Xylene	< 0.00396		0.00396	mg/Kg		11/04/23 17:22	11/06/23 17:21	
o-Xylene Xylenes, Total	<0.00198 <0.00396		0.00198 0.00396	mg/Kg mg/Kg		11/04/23 17:22 11/04/23 17:22	11/06/23 17:21 11/06/23 17:21	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil F
4-Bromofluorobenzene (Surr)		Quaimer	70 - 130			11/04/23 17:22	11/06/23 17:21	
1,4-Difluorobenzene (Surr)	115		70 - 130			11/04/23 17:22	11/06/23 17:21	
Method: TAL SOP Total BTEX - T			-		_	- ·		
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil F
	<0.00396		0.00396	mg/Kg			11/06/23 17:21	
Method: SW846 8015 NM - Diese Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil F
Total TPH	<49.8	U	49.8	mg/Kg			11/03/23 15:44	
Method: SW846 8015B NM - Dies	el Range Orga	nics (DRO)	(GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil I
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	mg/Kg		11/03/23 09:36	11/03/23 15:44	
Diesel Range Organics (Over	<49.8	U	49.8	mg/Kg		11/03/23 09:36	11/03/23 15:44	
C10-C28) Oll Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		11/03/23 09:36	11/03/23 15:44	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil I
1-Chlorooctane	159	S1+	70 - 130			11/03/23 09:36	11/03/23 15:44	
o-Terphenyl	148	S1+	70 - 130			11/03/23 09:36	11/03/23 15:44	
Method: EPA 300.0 - Anions, Ion	Chromatograp	hy - Solubl	e					
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil F

Client: Ensolum Project/Site: BFU Connector AW Booster Mobley Ranch Pipeline

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

				Percent Surrogate Recovery (Acceptance Limits)
		BFB1	DFBZ1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
880-35219-1	SW05	93	112	
880-35219-2	SW06	94	107	
880-35219-3	SW07	101	108	
880-35219-4	SW08	101	107	
880-35219-5	FS 41	99	104	
880-35219-6	FS 42	98	113	
880-35219-7	FS 43	96	113	
880-35219-8	SW 9	102	110	
880-35219-9	SW 10	81	104	
880-35219-10	FS 44	98	115	
LCS 880-66217/1-A	Lab Control Sample	87	108	
LCSD 880-66217/2-A	Lab Control Sample Dup	93	108	
MB 880-66217/5-A	Method Blank	106	149 S1+	
Surrogate Legend				
BFB = 4-Bromofluorober	nzene (Surr)			

DFBZ = 1,4-Difluorobenzene (Surr)

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Matrix: Solid

				Percent Surrogate Recovery (Acceptance Limits)
		1CO1	OTPH1	
ab Sample ID	Client Sample ID	(70-130)	(70-130)	
30-35219-1	SW05	162 S1+	155 S1+	
0-35219-2	SW06	157 S1+	150 S1+	
0-35219-3	SW07	178 S1+	171 S1+	
0-35219-4	SW08	152 S1+	141 S1+	
0-35219-5	FS 41	144 S1+	139 S1+	
0-35219-6	FS 42	149 S1+	140 S1+	
)-35219-7	FS 43	157 S1+	149 S1+	
-35219-8	SW 9	151 S1+	144 S1+	
-35219-9	SW 10	151 S1+	146 S1+	
-35219-10	FS 44	159 S1+	148 S1+	
S 880-66134/2-A	Lab Control Sample	106	117	
SD 880-66134/3-A	Lab Control Sample Dup	102	110	
B 880-66134/1-A	Method Blank	219 S1+	213 S1+	

Surrogate Legend

1CO = 1-Chlorooctane OTPH = o-Terphenyl

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Job ID: 880-35219-1 SDG: 32.2907, -103.86159

Prep Type: Total/NA

Prep Type: Total/NA

Lab Sample ID: MB 880-66217/5-A

Matrix: Solid

Analyte

Benzene

Toluene

o-Xylene

Surrogate

Ethylbenzene

Xylenes, Total

m-Xylene & p-Xylene

Analysis Batch: 66220

QC Sample Results

RL

0.00200

0.00200

0.00200

0.00400

0.00200

0.00400

Limits

70 - 130

70 - 130

Unit

mg/Kg

mg/Kg

mg/Kg

mg/Kg

mg/Kg

mg/Kg

D

Prepared

11/04/23 17:22

11/04/23 17:22

11/04/23 17:22

11/04/23 17:22

11/04/23 17:22

11/04/23 17:22

Prepared

11/04/23 17:22

11/04/23 17:22

Client: Ensolum Project/Site: BFU Connector AW Booster Mobley Ranch Pipeline

Method: 8021B - Volatile Organic Compounds (GC)

MB MB

<0.00200 U

<0.00200 U

<0.00200 U

<0.00400 U

<0.00200 U

<0.00400 U

106

%Recovery

MB MB

149 S1+

Qualifier

Result Qualifier

Prep Type: Total/NA

Prep Batch: 66217

Dil Fac

1

1

1

1

1

1

1

1

Dil Fac

Job ID: 880-35219-1 SDG: 32.2907, -103.86159

Client Sample ID: Method Blank

Analyzed

11/06/23 11:37

11/06/23 11:37

11/06/23 11:37

11/06/23 11:37

11/06/23 11:37

11/06/23 11:37

Analyzed

11/06/23 11:37

11/06/23 11:37

-
Lab Sample ID: LCS 880-66217/1-A
Matrix: Solid

Analysis Batch: 66220

4-Bromofluorobenzene (Surr)

1,4-Difluorobenzene (Surr)

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.08978		mg/Kg		90	70 - 130	
Toluene	0.100	0.08009		mg/Kg		80	70 - 130	
Ethylbenzene	0.100	0.07424		mg/Kg		74	70 - 130	
m-Xylene & p-Xylene	0.200	0.1692		mg/Kg		85	70 - 130	
o-Xylene	0.100	0.08224		mg/Kg		82	70 - 130	

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	87		70 - 130
1,4-Difluorobenzene (Surr)	108		70 - 130

Lab Sample ID: LCSD 880-66217/2-A Matrix: Solid

Analysis Batch: 66220							Prep	Batch:	66217
	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.100	0.1015		mg/Kg		101	70 - 130	12	35
Toluene	0.100	0.08627		mg/Kg		86	70 - 130	7	35
Ethylbenzene	0.100	0.08339		mg/Kg		83	70 - 130	12	35
m-Xylene & p-Xylene	0.200	0.1882		mg/Kg		94	70 - 130	11	35
o-Xylene	0.100	0.09193		mg/Kg		92	70 - 130	11	35
LCSD LCSD									

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	93		70 - 130
1,4-Difluorobenzene (Surr)	108		70 - 130

Client Sample ID: Lab Control Sample

Prep Type: Total/NA	
Tiop Type: Totality	
Prep Batch: 66217	

Prep Type: Total/NA	
Prep Batch: 66217	
0/ D DDD	

Client Sample ID: Lab Control Sample Dup

QC Sample Results

Client: Ensolum Project/Site: BFU Connector AW Booster Mobley Ranch Pipeline

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 880-66134/1-A Matrix: Solid Analysis Batch: 66125	МВ	мв				Client Sa	mple ID: Metho Prep Type: ٦ Prep Batcl	Total/NA
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		11/03/23 07:36	11/03/23 08:26	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		11/03/23 07:36	11/03/23 08:26	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		11/03/23 07:36	11/03/23 08:26	1
	МВ	МВ						

Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	219	S1+	70 - 130
o-Terphenyl	213	S1+	70 - 130

Lab Sample ID: LCS 880-66134/2-A Matrix: Solid Analysis Batch: 66125

Analysis Batch: 66125							Prep	Batch: 66134	L I
	Spike	LCS	LCS				%Rec		- 2
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Gasoline Range Organics	1000	915.5		mg/Kg		92	70 - 130		
(GRO)-C6-C10									
Diesel Range Organics (Over	1000	993.8		mg/Kg		99	70 - 130		
C10-C28)									

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	106		70 - 130
o-Terphenyl	117		70 - 130

Lab Sample ID: LCSD 880-66134/3-A Matrix: Solid

Analysis Batch: 66125							Prep	Batch:	66134
	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics	1000	892.9		mg/Kg		89	70 - 130	3	20
(GRO)-C6-C10									
Diesel Range Organics (Over	1000	943.7		mg/Kg		94	70 - 130	5	20
C10-C28)									

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	102		70 - 130
o-Terphenyl	110		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-66079/1-A Matrix: Solid Analysis Batch: 66353					Client Sa	ample ID: Metho Prep Type:		
	MB	МВ						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00	mg/Kg			11/07/23 07:30	1

Job ID: 880-35219-1 SDG: 32.2907, -103.86159

Analyzed

11/03/23 08:26

11/03/23 08:26

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prepared

11/03/23 07:36

11/03/23 07:36

5

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QC Sample Results

Client: Ensolum Project/Site: BFU Connector AW Booster Mobley Ranch Pipeline

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-66079 Matrix: Solid					Client	Sample	e ID: Lab Co Prep	ontrol S Type: S			
Analysis Batch: 66353			Spike	201	LCS				%Rec		
Analyte			Added		Qualifier	Unit	D	%Rec	Limits		
Chloride			250	253.4		mg/Kg		101	90 - 110		
Lab Sample ID: LCSD 880-6607	′9/3-A					Clie	nt Sam	ple ID:	Lab Contro	l Sampl	e Dup
Matrix: Solid								·		Type: S	
Analysis Batch: 66353											
			Spike	LCSD	LCSD				%Rec		RPD
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride			250	253.3		mg/Kg		101	90 - 110	0	20
Lab Sample ID: 880-35219-2 MS	5								Client San	nple ID:	SW06
Matrix: Solid									Prep	Type: S	oluble
Analysis Batch: 66353											
	Sample	Sample	Spike	MS	MS				%Rec		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Chloride	133		248	395.0		mg/Kg		106	90 - 110		
Lab Sample ID: 880-35219-2 MS	SD								Client San	nple ID:	SW06
Matrix: Solid									Prep	Type: S	oluble
Analysis Batch: 66353											
	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	133		248	390.8		mg/Kg		104	90 - 110	1	20

Job ID: 880-35219-1 SDG: 32.2907, -103.86159

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QC Association Summary

Client: Ensolum Project/Site: BFU Connector AW Booster Mobley Ranch Pipeline

GC VOA

Prep Batch: 66217

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-35219-1	SW05	Total/NA	Solid	5035	
880-35219-2	SW06	Total/NA	Solid	5035	
880-35219-3	SW07	Total/NA	Solid	5035	
880-35219-4	SW08	Total/NA	Solid	5035	
880-35219-5	FS 41	Total/NA	Solid	5035	
880-35219-6	FS 42	Total/NA	Solid	5035	
880-35219-7	FS 43	Total/NA	Solid	5035	
880-35219-8	SW 9	Total/NA	Solid	5035	
880-35219-9	SW 10	Total/NA	Solid	5035	
880-35219-10	FS 44	Total/NA	Solid	5035	
MB 880-66217/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-66217/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-66217/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 66220

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-35219-1	SW05	Total/NA	Solid	8021B	66217
880-35219-2	SW06	Total/NA	Solid	8021B	66217
880-35219-3	SW07	Total/NA	Solid	8021B	66217
880-35219-4	SW08	Total/NA	Solid	8021B	66217
880-35219-5	FS 41	Total/NA	Solid	8021B	66217
880-35219-6	FS 42	Total/NA	Solid	8021B	66217
880-35219-7	FS 43	Total/NA	Solid	8021B	66217
880-35219-8	SW 9	Total/NA	Solid	8021B	66217
880-35219-9	SW 10	Total/NA	Solid	8021B	66217
880-35219-10	FS 44	Total/NA	Solid	8021B	66217
MB 880-66217/5-A	Method Blank	Total/NA	Solid	8021B	66217
LCS 880-66217/1-A	Lab Control Sample	Total/NA	Solid	8021B	66217
LCSD 880-66217/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	66217

Analysis Batch: 66396

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
880-35219-1	SW05	Total/NA	Solid	Total BTEX	
880-35219-2	SW06	Total/NA	Solid	Total BTEX	
880-35219-3	SW07	Total/NA	Solid	Total BTEX	
880-35219-4	SW08	Total/NA	Solid	Total BTEX	
880-35219-5	FS 41	Total/NA	Solid	Total BTEX	
880-35219-6	FS 42	Total/NA	Solid	Total BTEX	
880-35219-7	FS 43	Total/NA	Solid	Total BTEX	
880-35219-8	SW 9	Total/NA	Solid	Total BTEX	
880-35219-9	SW 10	Total/NA	Solid	Total BTEX	
880-35219-10	FS 44	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 66125

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
880-35219-1	SW05	Total/NA	Solid	8015B NM	66134
880-35219-2	SW06	Total/NA	Solid	8015B NM	66134
880-35219-3	SW07	Total/NA	Solid	8015B NM	66134

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QC Association Summary

Client: Ensolum Project/Site: BFU Connector AW Booster Mobley Ranch Pipeline

GC Semi VOA (Continued)

Analysis Batch: 66125 (Continued)

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch	
880-35219-4	SW08	Total/NA	Solid	8015B NM	66134	5
880-35219-5	FS 41	Total/NA	Solid	8015B NM	66134	
880-35219-6	FS 42	Total/NA	Solid	8015B NM	66134	
880-35219-7	FS 43	Total/NA	Solid	8015B NM	66134	
880-35219-8	SW 9	Total/NA	Solid	8015B NM	66134	
880-35219-9	SW 10	Total/NA	Solid	8015B NM	66134	
880-35219-10	FS 44	Total/NA	Solid	8015B NM	66134	8
MB 880-66134/1-A	Method Blank	Total/NA	Solid	8015B NM	66134	
LCS 880-66134/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	66134	9
LCSD 880-66134/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	66134	
Prep Batch: 66134						
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch	
880-35219-1	SW05	Total/NA	Solid	8015NM Prep		
880-35219-2	SW06	Total/NA	Solid	8015NM Prep		
880-35219-3	SW07	Total/NA	Solid	8015NM Prep		
880-35219-4	SW08	Total/NA	Solid	8015NM Prep		4.0
880-35219-5	FS 41	Total/NA	Solid	8015NM Prep		13
880 35210 6	ES 10	Total/NIA	Solid	9015NIM Drop		

Prep Batch: 66134

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch	
880-35219-1	SW05	Total/NA	Solid	8015NM Prep		
880-35219-2	SW06	Total/NA	Solid	8015NM Prep		
880-35219-3	SW07	Total/NA	Solid	8015NM Prep		
880-35219-4	SW08	Total/NA	Solid	8015NM Prep		
880-35219-5	FS 41	Total/NA	Solid	8015NM Prep		
880-35219-6	FS 42	Total/NA	Solid	8015NM Prep		
880-35219-7	FS 43	Total/NA	Solid	8015NM Prep		
880-35219-8	SW 9	Total/NA	Solid	8015NM Prep		
880-35219-9	SW 10	Total/NA	Solid	8015NM Prep		
880-35219-10	FS 44	Total/NA	Solid	8015NM Prep		
MB 880-66134/1-A	Method Blank	Total/NA	Solid	8015NM Prep		
LCS 880-66134/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep		
LCSD 880-66134/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep		

Analysis Batch: 66275

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-35219-1	SW05	Total/NA	Solid	8015 NM	
880-35219-2	SW06	Total/NA	Solid	8015 NM	
880-35219-3	SW07	Total/NA	Solid	8015 NM	
880-35219-4	SW08	Total/NA	Solid	8015 NM	
880-35219-5	FS 41	Total/NA	Solid	8015 NM	
880-35219-6	FS 42	Total/NA	Solid	8015 NM	
880-35219-7	FS 43	Total/NA	Solid	8015 NM	
880-35219-8	SW 9	Total/NA	Solid	8015 NM	
880-35219-9	SW 10	Total/NA	Solid	8015 NM	
880-35219-10	FS 44	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 66079

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
880-35219-1	SW05	Soluble	Solid	DI Leach	
880-35219-2	SW06	Soluble	Solid	DI Leach	
880-35219-3	SW07	Soluble	Solid	DI Leach	
880-35219-4	SW08	Soluble	Solid	DI Leach	
880-35219-5	FS 41	Soluble	Solid	DI Leach	
880-35219-6	FS 42	Soluble	Solid	DI Leach	

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QC Association Summary

Client: Ensolum Project/Site: BFU Connector AW Booster Mobley Ranch Pipeline

HPLC/IC (Continued)

Leach Batch: 66079 (Continued)

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
880-35219-7	FS 43	Soluble	Solid	DI Leach	
880-35219-8	SW 9	Soluble	Solid	DI Leach	
880-35219-9	SW 10	Soluble	Solid	DI Leach	
880-35219-10	FS 44	Soluble	Solid	DI Leach	
MB 880-66079/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-66079/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-66079/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-35219-2 MS	SW06	Soluble	Solid	DI Leach	
880-35219-2 MSD	SW06	Soluble	Solid	DI Leach	

Analysis Batch: 66353

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-35219-1	SW05	Soluble	Solid	300.0	66079
880-35219-2	SW06	Soluble	Solid	300.0	66079
880-35219-3	SW07	Soluble	Solid	300.0	66079
880-35219-4	SW08	Soluble	Solid	300.0	66079
880-35219-5	FS 41	Soluble	Solid	300.0	66079
880-35219-6	FS 42	Soluble	Solid	300.0	66079
880-35219-7	FS 43	Soluble	Solid	300.0	66079
880-35219-8	SW 9	Soluble	Solid	300.0	66079
880-35219-9	SW 10	Soluble	Solid	300.0	66079
880-35219-10	FS 44	Soluble	Solid	300.0	66079
MB 880-66079/1-A	Method Blank	Soluble	Solid	300.0	66079
LCS 880-66079/2-A	Lab Control Sample	Soluble	Solid	300.0	66079
LCSD 880-66079/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	66079
880-35219-2 MS	SW06	Soluble	Solid	300.0	66079
880-35219-2 MSD	SW06	Soluble	Solid	300.0	66079

5 6 7

Client: Ensolum Project/Site: BFU Connector AW Booster Mobley Ranch Pipeline

Job ID: 880-35219-1 SDG: 32.2907, -103.86159

Lab Sample ID: 880-35219-1

Client Sample ID: SW05

Date Collected: 10/30/23 14:05 Date Received: 11/02/23 10:51

	Batch	Batch		Dilution	Batch			Prepared
Ргер Туре	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5035			66217	EL	EET MID	11/04/23 17:22
Total/NA	Analysis	8021B		1	66220	MNR	EET MID	11/06/23 12:47
Total/NA	Analysis	Total BTEX		1	66396	SM	EET MID	11/06/23 12:47
Total/NA	Analysis	8015 NM		1	66275	SM	EET MID	11/03/23 12:06
Total/NA	Prep	8015NM Prep			66134	TKC	EET MID	11/03/23 09:36
Total/NA	Analysis	8015B NM		1	66125	SM	EET MID	11/03/23 12:06
Soluble	Leach	DI Leach			66079	SMC	EET MID	11/02/23 13:01
Soluble	Analysis	300.0		1	66353	СН	EET MID	11/07/23 09:00

Client Sample ID: SW06

Date Collected: 10/30/23 14:10 Date Received: 11/02/23 10:51

	Batch	Batch		Dilution	Batch			Prepared
Ргер Туре	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5035			66217	EL	EET MID	11/04/23 17:22
Total/NA	Analysis	8021B		1	66220	MNR	EET MID	11/06/23 13:07
Total/NA	Analysis	Total BTEX		1	66396	SM	EET MID	11/06/23 13:07
Total/NA	Analysis	8015 NM		1	66275	SM	EET MID	11/03/23 12:28
Total/NA	Prep	8015NM Prep			66134	ткс	EET MID	11/03/23 09:36
Total/NA	Analysis	8015B NM		1	66125	SM	EET MID	11/03/23 12:28
Soluble	Leach	DI Leach			66079	SMC	EET MID	11/02/23 13:01
Soluble	Analysis	300.0		1	66353	CH	EET MID	11/07/23 09:06

Client Sample ID: SW07 Date Collected: 10/30/23 14:15 Date Received: 11/02/23 10:51

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5035			66217	EL	EET MID	11/04/23 17:22
Total/NA	Analysis	8021B		1	66220	MNR	EET MID	11/06/23 13:28
Total/NA	Analysis	Total BTEX		1	66396	SM	EET MID	11/06/23 13:28
Total/NA	Analysis	8015 NM		1	66275	SM	EET MID	11/03/23 12:49
Total/NA	Prep	8015NM Prep			66134	ткс	EET MID	11/03/23 09:36
Total/NA	Analysis	8015B NM		1	66125	SM	EET MID	11/03/23 12:49
Soluble	Leach	DI Leach			66079	SMC	EET MID	11/02/23 13:01
Soluble	Analysis	300.0		1	66353	СН	EET MID	11/07/23 09:23

Client Sample ID: SW08 Date Collected: 10/30/23 14:20

Date Received: 11/02/23 10:51

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5035			66217	EL	EET MID	11/04/23 17:22
Total/NA	Analysis	8021B		1	66220	MNR	EET MID	11/06/23 13:48

Eurofins Midland

Matrix: Solid

Matrix: Solid

Lab Sample ID: 880-35219-2

Matrix: Solid

9

5 6

Lab Sample ID: 880-35219-3

Lab Sample ID: 880-35219-4

Matrix: Solid

Client: Ensolum Project/Site: BFU Connector AW Booster Mobley Ranch Pipeline

Job ID: 880-35219-1 SDG: 32.2907, -103.86159

Lab Sample ID: 880-35219-4

Lab Sample ID: 880-35219-5

Client Sample ID: SW08

Date Collected: 10/30/23 14:20 Date Received: 11/02/23 10:51

	Batch	Batch		Dilution	Batch			Prepared
Prep Туре	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Analysis	Total BTEX		1	66396	SM	EET MID	11/06/23 13:48
Total/NA	Analysis	8015 NM		1	66275	SM	EET MID	11/03/23 13:10
Total/NA	Prep	8015NM Prep			66134	TKC	EET MID	11/03/23 09:36
Total/NA	Analysis	8015B NM		1	66125	SM	EET MID	11/03/23 13:10
Soluble	Leach	DI Leach			66079	SMC	EET MID	11/02/23 13:01
Soluble	Analysis	300.0		1	66353	СН	EET MID	11/07/23 09:29

Client Sample ID: FS 41 Date Collected: 10/30/23 14:30

Date Received: 11/02/23 10:51

	Batch	Batch		Dilution	Batch			Prepared
Ргер Туре	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5035			66217	EL	EET MID	11/04/23 17:22
Total/NA	Analysis	8021B		1	66220	MNR	EET MID	11/06/23 14:09
Total/NA	Analysis	Total BTEX		1	66396	SM	EET MID	11/06/23 14:09
Total/NA	Analysis	8015 NM		1	66275	SM	EET MID	11/03/23 13:32
Total/NA	Prep	8015NM Prep			66134	ткс	EET MID	11/03/23 09:36
Total/NA	Analysis	8015B NM		1	66125	SM	EET MID	11/03/23 13:32
Soluble	Leach	DI Leach			66079	SMC	EET MID	11/02/23 13:01
Soluble	Analysis	300.0		1	66353	СН	EET MID	11/07/23 09:46

Client Sample ID: FS 42 Date Collected: 10/30/23 14:35

Date Received: 11/02/23 10:51

Lab Sample ID: 880-35219-6 Matrix: Solid

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5035			66217	EL	EET MID	11/04/23 17:22
Total/NA	Analysis	8021B		1	66220	MNR	EET MID	11/06/23 14:29
Total/NA	Analysis	Total BTEX		1	66396	SM	EET MID	11/06/23 14:29
Total/NA	Analysis	8015 NM		1	66275	SM	EET MID	11/03/23 13:54
Total/NA	Prep	8015NM Prep			66134	ткс	EET MID	11/03/23 09:36
Total/NA	Analysis	8015B NM		1	66125	SM	EET MID	11/03/23 13:54
Soluble	Leach	DI Leach			66079	SMC	EET MID	11/02/23 13:01
Soluble	Analysis	300.0		1	66353	СН	EET MID	11/07/23 09:51

Client Sample ID: FS 43 Date Collected: 10/30/23 14:40 Date Received: 11/02/23 10:51

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5035			66217	EL	EET MID	11/04/23 17:22
Total/NA	Analysis	8021B		1	66220	MNR	EET MID	11/06/23 14:50
Total/NA	Analysis	Total BTEX		1	66396	SM	EET MID	11/06/23 14:50
Total/NA	Analysis	8015 NM		1	66275	SM	EET MID	11/03/23 14:17

Eurofins Midland

Matrix: Solid

Lab Sample ID: 880-35219-7

Matrix: Solid

Matrix: Solid

5

Client: Ensolum

Job ID: 880-35219-1 SDG: 32.2907, -103.86159

Lab Sample ID: 880-35219-9

Lab Sample ID: 880-35219-10

Matrix: Solid

Pipeline **Client Sample ID: FS 43** Lab Sample ID: 880-35219-7 Date Collected: 10/30/23 14:40 Matrix: Solid Date Received: 11/02/23 10:51 Batch Batch Dilution Batch Prepared Method Prep Type Туре Factor Number Analyst or Analyzed Run Lab 11/03/23 09:36 8015NM Prep Total/NA Prep 66134 TKC EET MID Total/NA Analysis 8015B NM 1 66125 SM EET MID 11/03/23 14:17 Soluble 66079 SMC 11/02/23 13:01 Leach DI Leach EET MID Soluble Analysis 300.0 1 66353 CH EET MID 11/07/23 09:57 **Client Sample ID: SW 9** Lab Sample ID: 880-35219-8 Date Collected: 10/31/23 13:00 Matrix: Solid Date Received: 11/02/23 10:51 Batch Batch Dilution Batch Prepared

Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5035			66217	EL	EET MID	11/04/23 17:22
Total/NA	Analysis	8021B		1	66220	MNR	EET MID	11/06/23 15:10
Total/NA	Analysis	Total BTEX		1	66396	SM	EET MID	11/06/23 15:10
Total/NA	Analysis	8015 NM		1	66275	SM	EET MID	11/03/23 14:39
Total/NA	Prep	8015NM Prep			66134	ткс	EET MID	11/03/23 09:36
Total/NA	Analysis	8015B NM		1	66125	SM	EET MID	11/03/23 14:39
Soluble	Leach	DI Leach			66079	SMC	EET MID	11/02/23 13:01
Soluble	Analysis	300.0		1	66353	СН	EET MID	11/07/23 10:03

Client Sample ID: SW 10

Date Collected: 10/31/23 13:05 Date Received: 11/02/23 10:51

	Batch	Batch		Dilution	Batch			Prepared
Ргер Туре	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
lotal/NA	Prep	5035			66217	EL	EET MID	11/04/23 17:22
īotal/NA	Analysis	8021B		1	66220	MNR	EET MID	11/06/23 17:01
fotal/NA	Analysis	Total BTEX		1	66396	SM	EET MID	11/06/23 17:01
īotal/NA	Analysis	8015 NM		1	66275	SM	EET MID	11/03/23 15:01
otal/NA	Prep	8015NM Prep			66134	ткс	EET MID	11/03/23 09:36
fotal/NA	Analysis	8015B NM		1	66125	SM	EET MID	11/03/23 15:01
Soluble	Leach	DI Leach			66079	SMC	EET MID	11/02/23 13:01
Soluble	Analysis	300.0		1	66353	СН	EET MID	11/07/23 10:08

Client Sample ID: FS 44 Date Collected: 10/31/23 14:00

Date Received: 11/02/23 10:51

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	5035			66217	EL	EET MID	11/04/23 17:22
Total/NA	Analysis	8021B		1	66220	MNR	EET MID	11/06/23 17:21
Total/NA	Analysis	Total BTEX		1	66396	SM	EET MID	11/06/23 17:21
Total/NA	Analysis	8015 NM		1	66275	SM	EET MID	11/03/23 15:44
Total/NA	Prep	8015NM Prep			66134	ткс	EET MID	11/03/23 09:36
Total/NA	Analysis	8015B NM		1	66125	SM	EET MID	11/03/23 15:44

Eurofins Midland

Matrix: Solid

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SDG: 32.2907, -103.86159

ID: FS 44 Lab Sample ID: 880-352	219-10
0/31/23 14:00 Matrix	c: Solid
I/02/23 10:51	

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Soluble	Leach	DI Leach			66079	SMC	EET MID	11/02/23 13:01
Soluble	Analysis	300.0		1	66353	СН	EET MID	11/07/23 10:14

Laboratory References:

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Eurofins Midland

Client: Ensolum Project/Site: BFU Connector AW Booster Mobley Ranch Pipeline Job ID: 880-35219-1 SDG: 32.2907, -103.86159

Laboratory: Eurofins Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.	

uthority	Progr	am	Identification Number	Expiration Date
exas	NELA	Р	T104704400-23-26	06-30-24
• •	tes are included in this report, bu	ut the laboratory is not certif	ied by the governing authority. This lis	t may include analytes
0	y does not offer certification.	Matrix	Analyte	
Analysis Method	y does not offer certification. Prep Method	Matrix	Analyte	
5	,	Matrix Solid	Analyte Total TPH	

Eurofins Midland

Released to Imaging: 6/25/2024 8:06:17 AM

Method Summary

Client: Ensolum Project/Site: BFU Connector AW Booster Mobley Ranch Pipeline

Method Description

Job ID: 880-35219-1 SDG: 32.2907, -103.86159

Laboratory

Protocol

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Page 285 of 306

Method	Method Description	110100001	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	EPA	EET MID
5035	Closed System Purge and Trap	SW846	EET MID
8015NM Prep	Microextraction	SW846	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID
Protocol Refe	rences:		
ASTM = A	STM International		
	Environmental Distantion Agency		

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

Method

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Sample Summary

Client: Ensolum Project/Site: BFU Connector AW Booster Mobley Ranch Pipeline

ab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth	
80-35219-1	SW05	Solid	10/30/23 14:05	11/02/23 10:51	0-2	_
80-35219-2	SW06	Solid	10/30/23 14:10	11/02/23 10:51	0-2	
80-35219-3	SW07	Solid	10/30/23 14:15	11/02/23 10:51	0-2	
80-35219-4	SW08	Solid	10/30/23 14:20	11/02/23 10:51	0-2	
80-35219-5	FS 41	Solid	10/30/23 14:30	11/02/23 10:51	2	
80-35219-6	FS 42	Solid	10/30/23 14:35	11/02/23 10:51	2	
80-35219-7	FS 43	Solid	10/30/23 14:40	11/02/23 10:51	2	
80-35219-8	SW 9	Solid	10/31/23 13:00	11/02/23 10:51	0-2	
80-35219-9	SW 10	Solid	10/31/23 13:05	11/02/23 10:51	0-2	
80-35219-10	FS 44	Solid	10/31/23 14:00	11/02/23 10:51	2	
						- j

Job ID: 880-35219-1

SDG: 32.2907, -103.86159

Work Or www.xt	Work Order Comments		roject:	Reporting Level II Level III PST/UST TRRP Level IV	ables EDD 🗌 ADaPT 🗌 Other	Preservative Codes	None NO DI Water H ₂ O				Clann's October	Zn Acetate+NaOH Zn	NaOH+Ascorbic Acid SAPC	Sample Comments	COStCerter	1001171100	HAPP22131SIV34	nApp231604S229			N. C.		o Ni K Se Ag SiO ₂ Na Sr TI Sn U V Zn U Ha 1631/2451/7470/7471	bated.	f Recei ye d by ⁻ (Signature) Date/Time	N2123		Revised Date: 08/25/2020 Rev 2020 2
Chain of Custody Houston, TX (281) 240-4200, Dallas TX (214) 902-0300 Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334 EL Paso TX (915) 585-3443 Lubbock, TX (806) 794-1296 Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199	a Connett Green	Program.	3104 F. Greenest States	CCN1Stad, NV, 88220 Report	·		Pres. Code		(GLS	Suber	Ĵed	×	- H		X X X T								11 AI Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag TI U	 inv to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and condi- so or expenses incurred by the client if such losses are due to circumstances beyond the cor- mitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously. 	Date/Time Relinquished by (Signature)	1013/ 216 30	6 6	
Curofins Environment Testing Midan ELPa Xenco	Project Manager Bern Berlill Bill to (If different)	Company Name: EnSol い M L L C Company Name	Address. 3122 National Parkshuy Address.	2010/N/4,88226	Phone 1989-854-0652 Email 108 et 1	Project Name BEU CONNECTOR NUMBER REMANDING PINCE	Project Number QC SSSCMS Theoutine Drush	Sampler's Name: SQACAN (NOR-NON-0 TAT starts the day received by PO # the lab, if received by 4:30pm	PLE RECEIPT	tact: Ver No Thermometer ID:	Yes No NA Correction Factor	Sample Custody Seals. Yes No (NA) Temperature Reading. 9 &	Total Containers: $\int C$ Corrected Temperature $q d$	Sample Identification Matrix Date Time Depth Grab/ Sampled Sampled Comp	5W05 [5 [0/30/21/05 [0-2] C	SWOG [1 10/30/23/4 10 10-2]	 50 08 10/21/ 20 0-2	132423 (32023 IV.	5.5 73 10 2 10 2 1	10 10 1 Mar 23 13, 05	21/23/14	as 11 0 88	itutes a valid purchase order from client co shall not assume any responsibility for any I project and a charge of \$5 for each sample	Relinquished by (Signature)	Sumo In		

14

Job Number: 880-35219-1

SDG Number: 32.2907, -103.86159

List Source: Eurofins Midland

Login Sample Receipt Checklist

Client: Ensolum

Login Number: 35219 List Number: 1 Creator: Rodriguez, Leticia

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is	N/A	

Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").


APPENDIX D

NMOCD Correspondence

Released to Imaging: 6/25/2024 8:06:17 AM

From:	Wells, Shelly, EMNRD
To:	Collins, Melanie; Hamlet, Robert, EMNRD; Bratcher, Michael, EMNRD
Cc:	<u>Green, Garrett J; Ben Belill; Tacoma Morrissey; Lambert, Tommee L; DelawareSpills /SM</u>
Subject:	RE: [EXTERNAL] XTO - Sampling Notification (Week of 10/16/23 - 10/20/23)
Date:	Thursday, October 12, 2023 4:26:05 PM
Attachments:	image001.png

Some people who received this message don't often get email from shelly.wells@emnrd.nm.gov. <u>Learn why this is</u> <u>important</u>

[**EXTERNAL EMAIL**]

Hi Melanie,

The OCD has received your notification. Notification requirements are **two full business days**, per rule. When reporting sampling at multiple locations it is required to provide the anticipated start time for each location. 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<u>|Shelly.Wells@emnrd.nm.gov</u> http://www.emnrd.state.nm.us/OCD/

From: Collins, Melanie <melanie.collins@exxonmobil.com>
Sent: Thursday, October 12, 2023 2:14 PM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Cc: Green, Garrett J <garrett.green@exxonmobil.com>; bbelill@ensolum.com; Tacoma Morrissey
<tmorrissey@ensolum.com>; Lambert, Tommee L <tommee.l.lambert@exxonmobil.com>;
DelawareSpills /SM <DelawareSpills@exxonmobil.com>
Subject: [EXTERNAL] XTO - Sampling Notification (Week of 10/16/23 - 10/20/23)

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

All,

XTO plans to complete final sampling activities at the sites listed below for the week of October 16,

2023.

Monday – October 16, 2023

- BEU Connector PW Booster / nAPP2213151424
- Mobley Ranch Pipeline / nAPP2316045229
- PLU 18 TWR Sat Battery / nAPP2230551957

Tuesday - October 17, 2023

- BEU Connector PW Booster / nAPP2213151424
- Mobley Ranch Pipeline / nAPP2316045229

Wednesday - October 18, 2023

- BEU Connector PW Booster / nAPP2213151424
- Mobley Ranch Pipeline / nAPP2316045229

Thursday - October 19, 2023

- BEU Connector PW Booster / nAPP2213151424
- Mobley Ranch Pipeline / nAPP2316045229
- PLU 23 Dog Town Draw 154H / nAPP2316446382

Friday - October 20, 2023

- BEU Connector PW Booster / nAPP2213151424
- Mobley Ranch Pipeline / nAPP2316045229

Thank you,

Melaníe Collins



Environmental Technician melanie.collins@exxonmobil.com 432-556-3756

Wells, Shelly, EMNRD
Collins, Melanie; Hamlet, Robert, EMNRD; Bratcher, Michael, EMNRD; Hall, Brittany, EMNRD
<u>Green, Garrett J; Ben Belill; Lambert, Tommee L; DelawareSpills /SM; Tacoma Morrissey</u>
RE: [EXTERNAL] XTO Sampling notifications Week of 10.23.23-10.27.23
Wednesday, October 18, 2023 4:58:27 PM
image001.png

Some people who received this message don't often get email from shelly.wells@emnrd.nm.gov. Learn why this is important

[**EXTERNAL EMAIL**]

Hi Melanie,

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<u>|Shelly.Wells@emnrd.nm.gov</u> http://www.emnrd.state.nm.us/OCD/

From: Collins, Melanie <melanie.collins@exxonmobil.com>

Sent: Wednesday, October 18, 2023 3:16 PM

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

Cc: Green, Garrett J <garrett.green@exxonmobil.com>; bbelill@ensolum.com; Lambert, Tommee L <tommee.l.lambert@exxonmobil.com>; DelawareSpills /SM <DelawareSpills@exxonmobil.com>; Tacoma Morrissey <tmorrissey@ensolum.com>

Subject: [EXTERNAL] XTO Sampling notifications Week of 10.23.23-10.27.23

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

Ok, Shelly, ask and you shall receive—haha! Let me know if you'd like them sent individually in the future, or if it is ok to send in bulk like this.

XTO plans to complete final sampling activities at the sites listed below for the week of October 23.2023 between 8 a.m. and 5 p.m. Please reach out with questions or concerns. Thank you!

•

Site Name	BEU Connector PW Booster
Location	H-22-23S-30E; Eddy County, NM
Incident ID	nAPP2213151424
Source & Description of Activities	Sampling
Expected Duration for Activities	5 Days (10.23.23-10.27.23)
Env Consultant	Ensolum
Contractor	Tex Mex
Sampling Notification Required	Yes
Surface Owner	SLO

Site Name	Mobley Ranch Pipeline
Location	H-22-23S-30E; Eddy County, NM
Incident ID	nAPP2316045229
Source & Description of Activities	Sampling
Expected Duration for Activities	5 Days (10.23.23-10.27.23)
Env Consultant	Ensolum
Contractor	Tex Mex
Sampling Notification Required	Yes
Surface Owner	SLO

Site Name	JRU 91 Flowline
Location	K-36-22S-30E; Eddy County, NM
Incident ID	NAB1515234386
Source & Description of Activities	Sampling
Expected Duration for Activities	1 Day 10.23.2023
Env Consultant	Ensolum
Contractor	NA
Sampling Notification Required	Yes
Surface Owner	SLO

	Site Name	Remuda 4-24-20
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Location	A-04-24S-30E; Eddy County, NM
Incident ID	nAPP2233351770
Source & Description of Activities	Sampling
Expected Duration for Activities	1 Day 10.23.2023
Env Consultant	Ensolum
Contractor	NA
Sampling Notification Required	Yes
Surface Owner	BLM

Site Name	PLU CVX JV BS 008H
Location	N-14-25S-30E; Eddy County, NM
Incident ID	nAB1602154960
Source & Description of Activities	Sampling
Expected Duration for Activities	1 Day 10.24.2023
Env Consultant	Ensolum
Contractor	Tex Mex
Sampling Notification Required	Yes
Surface Owner	BLM

Site Name	Poker Lake Unit 315H
Location	P-24-24S-30E; Eddy County, NM
Incident ID	nAPP2324233432
Source & Description of Activities	Sampling
Expected Duration for Activities	3 Days 10.25.23-10.27.23
Env Consultant	Ensolum
Contractor	Tex Mex
Sampling Notification Required	Yes
Surface Owner	BLM

Thank you,



Environmental Technician melanie.collins@exxonmobil.com 432-556-3756

From:	Rodgers, Scott, EMNRD	
To:	Collins, Melanie; spills@slo.state.nm.us; Hamlet, Robert, EMNRD; Bratcher, Michael, EMNRD; Velez, Nelson, EMNRD	
Cc:	<u>Green, Garrett J; Ben Belill; DelawareSpills /SM; Lambert, Tommee L</u>	
Subject:	RE: [EXTERNAL] XTO - Sampling Notification (Week of 10/30/23 - 11/3/23)	
Date:	Wednesday, October 25, 2023 5:59:47 PM	
Attachments:	image003.png	

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

[**EXTERNAL EMAIL**]

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.

Scott Rodgers • Environmental Specialist Environmental Bureau EMNRD - Oil Conservation Division 8801 Horizon Blvd. NE, Suite 260 | Albuquerque, NM 87113 505.469.1830 | <u>scott.rodgers@emnrd.nm.gov</u> http://www.emnrd.nm.gov/ocd_



From: Collins, Melanie <melanie.collins@exxonmobil.com>
Sent: Wednesday, October 25, 2023 3:11 PM
To: spills@slo.state.nm.us; Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Cc: Green, Garrett J <garrett.green@exxonmobil.com>; bbelill@ensolum.com; DelawareSpills /SM
<DelawareSpills@exxonmobil.com>; Lambert, Tommee L <tommee.l.lambert@exxonmobil.com>
Subject: [EXTERNAL] XTO - Sampling Notification (Week of 10/30/23 - 11/3/23)

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

XTO plans to complete final sampling activities at the sites listed below for the week of October 30, 2023, between 8 a.m. and 5 p.m MST.

Thank you,

Site Name	BEU Connector PW Booster
Location	H-22-23S-30E; Eddy County, NM
Incident ID	nAPP2213151424
Source & Description of Activities	Sampling
Expected Duration for Activities	5 Days (10.30.23-11.3.23)

Env Consultant	Ensolum
Contractor	Tex Mex
Sampling Notification Required	Yes
Surface Owner	SLO

Site Name	Mobley Ranch Pipeline
Location	H-22-23S-30E; Eddy County, NM
Incident ID	nAPP2316045229
Source & Description of Activities	Sampling
Expected Duration for Activities	5 Days (10.30.23-11.3.23)
Env Consultant	Ensolum
Contractor	Tex Mex
Sampling Notification Required	Yes
Surface Owner	SLO

Site Name	Hat Mesa 32-2
Location	C-32-20S-33E; Lea County, NM
Incident ID	nAPP2316046257
Source & Description of Activities	Sampling
Expected Duration for Activities	4 Days (10.31.23-11.3.23)
Env Consultant	Ensolum
Contractor	Tex Mex
Sampling Notification Required	Yes
Surface Owner	SLO

Thank you,

Melaníe Collins TO

Environmental Technician melanie.collins@exxonmobil.com 432-556-3756

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District III

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

QUESTIONS

Action 354059

QUESTIONS		
Operator:	OGRID:	
XTO ENERGY, INC	5380	
6401 Holiday Hill Road	Action Number:	
Midland, TX 79707	354059	
	Action Type:	
	[C-141] Reclamation Report C-141 (C-141-v-Reclamation)	

QUESTIONS

ID (n#)	nAPP2316045229
Name	NAPP2316045229 MOBLEY RANCH @ 0
Туре	Produced Water Release
Status	Reclamation Report Received

Location of Release Source

Please answer all the questions in this group.	
Site Name	MOBLEY RANCH
Date Release Discovered	05/27/2023
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: Equipment Failure Gasket Produced Water Released: 9 BBL Recovered: 2 BBL Lost: 7 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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Page 299 of 306 QUESTIONS, Page 2

Action 354059

QUESTIONS (continued) Operator: OGRID: **XTO ENERGY, INC** 5380 6401 Holiday Hill Road Action Number Midland, TX 79707 354059 Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Nature and Volume of Release (continued)		
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.	
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	No	
Reasons why this would be considered a submission for a notification of a major release	Unavailable.	
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.		

Initial	Response

The responsible party must undertake the following actions immediately unless they could create a s	afety hazard that would result in injury.
The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	Not answered.
	ation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of ed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of valuation in the follow-up C-141 submission.
to report and/or file certain release notifications and perform corrective actions for relea the OCD does not relieve the operator of liability should their operations have failed to a	mowledge and understand that pursuant to OCD rules and regulations all operators are required uses which may endanger public health or the environment. The acceptance of a C-141 report by adequately investigate and remediate contamination that pose a threat to groundwater, surface t does not relieve the operator of responsibility for compliance with any other federal, state, or
I hereby agree and sign off to the above statement	Name: Alan Romero Title: Regulatory Analyst Email: alan.romero1@exxonmobil.com Date: 06/13/2024

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QUESTIONS, Page 3

Action 354059

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QUESTIONS (continued)
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Operator:	OGRID:
XTO ENERGY, INC	5380
6401 Holiday Hill Road	Action Number:
Midland, TX 79707	354059
	Action Type:
	[C-141] Reclamation Report C-141 (C-141-v-Reclamation)

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. area affected by the at depth to groupdwater beneath the What is the aball

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 100 and 500 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release ar	nd the following surface areas:
A continuously flowing watercourse or any other significant watercourse	Between 1 and 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1 and 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1 and 5 (mi.)
Any other fresh water well or spring	Between 1 and 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 1 and 5 (mi.)
A subsurface mine	Between 1 and 5 (mi.)
An (non-karst) unstable area	Between ½ and 1 (mi.)
Categorize the risk of this well / site being in a karst geology	Medium
A 100-year floodplain	Between 1 and 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	Yes

Remediation Plan

		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 de	emonstrating the lateral and vertical extents of soil contamination	on associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.
Have the lateral and vertication	al extents of contamination been fully delineated	Yes
Was this release entirely c	contained within a lined containment area	No
Soil Contamination Sampling	g: (Provide the highest observable value for each, in n	nilligrams per kilograms.)
Chloride	(EPA 300.0 or SM4500 CI B)	565
TPH (GRO+DRO+MRO)	(EPA SW-846 Method 8015M)	0
GRO+DRO	(EPA SW-846 Method 8015M)	0
BTEX	(EPA SW-846 Method 8021B or 8260B)	0
Benzene	(EPA SW-846 Method 8021B or 8260B)	0
which includes the anticipated tin	nelines for beginning and completing the remediation.	ed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NM.
which includes the anticipated tin		
which includes the anticipated tin On what estimated date w	nelines for beginning and completing the remediation.	ed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NM.
which includes the anticipated tin On what estimated date w On what date will (or did) t	nelines for beginning and completing the remediation. ill the remediation commence	ed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NM/ 10/18/2024
which includes the anticipated tin On what estimated date w On what date will (or did) t On what date will (or was)	nelines for beginning and completing the remediation. ill the remediation commence he final sampling or liner inspection occur	ed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NM/ 10/18/2024 11/02/2023
which includes the anticipated tin On what estimated date w On what date will (or did) t On what date will (or was) What is the estimated surf	nelines for beginning and completing the remediation. ill the remediation commence he final sampling or liner inspection occur the remediation complete(d)	ed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NM. 10/18/2024 11/02/2023 12/13/2023
which includes the anticipated tin On what estimated date w On what date will (or did) t On what date will (or was) What is the estimated surfa What is the estimated volu	nelines for beginning and completing the remediation. ill the remediation commence he final sampling or liner inspection occur the remediation complete(d) ace area (in square feet) that will be reclaimed	ed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NM. 10/18/2024 11/02/2023 12/13/2023 27750
which includes the anticipated tin On what estimated date w On what date will (or did) t On what date will (or was) What is the estimated surfa What is the estimated volu What is the estimated surfa	nelines for beginning and completing the remediation. ill the remediation commence he final sampling or liner inspection occur the remediation complete(d) ace area (in square feet) that will be reclaimed me (in cubic yards) that will be reclaimed	Image: Provide a proposed remediation plan in accordance with 19.15.29.12 NM 10/18/2024 11/02/2023 12/13/2023 27750 4000

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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(In Situ) Soil Vapor Extraction

OR is the off-site disposal site, to be used, an NMED facility

(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)

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 354059

QUE	STIONS (continued)
Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380 Action Number: 354059 Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)
QUESTIONS	
Remediation Plan (continued)	
Please answer all the questions that apply or are indicated. This information must be provided t	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 remed	diate / reduce contaminants:
(Select all answers below that apply.)	
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	HALFWAY DISPOSAL AND LANDFILL [fEEM0112334510]
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	Not answered.

Not answered.

Not answered

Not answered.

(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.) Not answered. (In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.) Not answered (In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.) Not answered. Ground Water Abatement pursuant to 19.15.30 NMAC Not answered. OTHER (Non-listed remedial process) Not answered. Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. Name: Alan Romero

I Heleby agree and sigh on to the above statement	Title: Regulatory Analyst Email: alan.romero1@exxonmobil.com Date: 06/13/2024
The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to	

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

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Action 354059

QUESTIONS (continued)		
Operator: XTO ENERGY, INC	OGRID: 5380	
6401 Holiday Hill Road Midland, TX 79707	Action Number: 354059	
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)	
QUESTIONS		

Deferral Requests Only

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

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QUESTIONS, Page 6

Action 354059

QUESTIONS (continued)	
Operator:	OGRID:
XTO ENERGY, INC	5380
6401 Holiday Hill Road	Action Number:
Midland, TX 79707	354059
	Action Type:
	[C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	354072
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	11/02/2023
What was the (estimated) number of samples that were to be gathered	60
What was the sampling surface area in square feet	27750

Remediation Closure Request

Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	27750
What was the total volume (cubic yards) remediated	4000
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	27750
What was the total volume (in cubic yards) reclaimed	4000
Summarize any additional remediation activities not included by answers (above)	Excavation activities were conducted at the Site in accordance with the approved Work Plan and Work Plan Update to address the two produced water releases at the Site. Laboratory analytical results for all excavation soil samples indicate all COC concentrations were compliant with the Closure Criteria and reclamation requirement. Based on the soil sample laboratory analytical results, no further remediation is required. The excavation has been backfilled with material purchased locally and the Site has been recontoured to match pre- existing site conditions.
	closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of
to report and/or file certain release notifications and perform corrective actions for release the OCD does not relieve the operator of liability should their operations have failed to a	knowledge and understand that pursuant to OCD rules and regulations all operators are required ases which may endanger public health or the environment. The acceptance of a C-141 report by adequately investigate and remediate contamination that pose a threat to groundwater, surface t does not relieve the operator of responsibility for compliance with any other federal, state, or

prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.	
I hereby agree and sign off to the above statement	Name: Alan Romero Title: Regulatory Analyst Email: alan.romero1@exxonmobil.com Date: 06/13/2024

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QUESTIONS, Page 7

Action 354059

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QUESTIONS (continued)	
Operator:	OGRID:
XTO ENERGY, INC	5380
6401 Holiday Hill Road	Action Number:
Midland, TX 79707	354059
	Action Type:
	[C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Reclamation Report		
Only answer the questions in this group if all reclamation steps have been completed.		
Requesting a reclamation approval with this submission	Yes	
What was the total reclamation surface area (in square feet) for this site	27750	
What was the total volume of replacement material (in cubic yards) for this site	4000	
Per Paragraph (1) of Subsection D of 19.15.29.13 NMAC the reclamation must contain a minimum of four feet of non-waste containing, uncontaminated, earthen material with chloride concentrations less than 600 mg/kg as analyzed by EPA Method 300.0, or other test methods approved by the division. The soil cover must include a top layer, which is either the background thickness of topsoil or one foot of suitable material to establish vegetation at the site, whichever is greater.		
Is the soil top layer complete and is it suitable material to establish vegetation	Yes	
On what (estimated) date will (or was) the reseeding commence(d)	07/12/2024	
Summarize any additional reclamation activities not included by answers (above)	Following backfill activities, the disturbed area was contoured to match the surrounding topography and the surface was prepared for seeding. Upon confirmation that the excavation was backfilled with non-waste containing material, the disturbed pasture area will be seeded with a certified weed-free seed mix. The NMSLO Sandy Site Seed Mixture will be used to seed the Site. The seed mix will be applied via drill seeding. The Site will be monitored for vegetation growth to ensure that reclamation activities were successful.	
	eclamation requirements and any conditions or directives of the OCD. This demonstration should be in the form t field notes, photographs of reclaimed area, and a narrative of the reclamation activities. Refer to 19.15.29.13	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.		
I hereby agree and sign off to the above statement	Title: Regulatory Analyst Email: alan.romero1@exxonmobil.com Date: 06/13/2024	

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QUESTIONS, Page 8

Action 354059

QUESTIONS (continued) Operator: OGRID: XTO ENERGY, INC 5380 6401 Holiday Hill Road Action Number Midland, TX 79707 354059 Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Revegetation Report

Only answer the questions in this group if all surface restoration, reclamation and re-vegetation obligations have been satisfied

Requesting a restoration complete approval with this submission

No Per Paragraph (4) of Subsection (D) of 19.15.29.13 NMAC for any major or minor release containing liquids, the responsible party must notify the division when reclamation and re-vegetation are complete.

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CONDITIONS

Action 354059

CONDITIONS		
Operator:	OGRID:	
XTO ENERGY, INC	5380	
6401 Holiday Hill Road	Action Number:	
Midland, TX 79707	354059	
	Action Type:	
	[C-141] Reclamation Report C-141 (C-141-v-Reclamation)	

CONDITIONS

Created By	Condition	Condition Date
crystal.walker	The reclamation report will need to include: Executive Summary of the reclamation activities; Scaled Site Map including sampling locations; Analytical results including, but not limited to, results showing that any remaining impacts meet the reclamation standards and results to prove the backfill is non-waste containing; At least one (1) representative 5-point composite sample will need to be collected from the backfill material that will be used for the reclamation of the top four feet of the excavation. OCD reserves the right to request additional sampling if needed; pictures of the backfilled areas showing that are as back, as nearly as practical, to the original condition or the final land use and maintain those areas to control dust and minimize erosion to the extent practical; pictures of the top layer, which is either the background thickness of topsoil or one foot of suitable material to establish vegetation at the site, whichever is greater; and a revegetation plan.	6/25/2024