ENSOLUM

June 3, 2024

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

Re: Closure Request PLUC 1 Recycle Facility Incident Number NAPP2316047464 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 PLUC 1 Recycle Facility (Site). The excavation and soil sampling activities were conducted in accordance with an approved *Remediation Work Plan (Work Plan)* to address impacts to soil resulting from a release of produced water at the Site. XTO is submitting this *Closure Request*, describing excavation activities that have occurred and requesting no further remediation for Incident Number NAPP2316047464.

SITE DESCRIPTION AND RELEASE SUMMARY

The Site is located in Unit P, Section 15, Township 24 South, Range 30 East, in Eddy County, New Mexico (32.21356°, -103.86041°) and is associated with oil and gas exploration and production operations on federal land managed by the Bureau of Land Management (BLM).

On May 29, 2023, mechanical failure on a pump flange resulted in the release of 58 barrels (bbls) of produced water onto a pipeline right-of-way (ROW). No fluids were recovered. XTO immediately reported the release to the New Mexico Oil Conservation Division (NMOCD) via email on May 30, 2023, and submitted a Release Notification Form C-141 (Form C-141) on June 9, 2023. The release was assigned Incident Number NAPP2316047464.

Ensolum conducted Site assessment and delineation activities and presented the results in the *Work Plan*. The *Work Plan* was submitted on November 20, 2023 and approved by the NMOCD on March 26, 2024. The *Work Plan* proposed excavation of impacted soil identified during delineation activities. Delineation soil sample locations are depicted on Figure 2 and laboratory analytical results are summarized on Table 1. The *Work Plan* is included in Appendix A.

SITE CHARACTERIZATION AND CLOSURE CRITERIA

The *Work Plan* detailed the Site characterization 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). Based on the results of the Site Characterization detailed in the approved *Work Plan*, the following Closure Criteria apply:

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

EXCAVATION AND DELINEATION SOIL SAMPLING ACTIVITIES

Ensolum personnel were onsite between February 26, 2024 through February 28, 2024 to excavate impacted soil according to the approved *Work Plan.* 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 using Hach[®] chloride QuanTab[®] test strips. Once field screening indicated impacted soil was adequately removed, 5-point composite soil samples were collected every 200 square feet 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 FS46 were collected from the floor of the excavation at depths ranging from 0.5 feet to 4 feet bgs. Confirmation soil samples SW01 through SW21 were collected from the sidewalls of the excavation at depths ranging from the ground surface to 4 feet bgs. The confirmation soil sample locations were mapped utilizing a GPS unit and are depicted on Figure 3.

During the excavation, additional boreholes were advanced via hand auger to ensure full veritcal and lateral delineation around the point-of-release. Delineation boreholes BH07 through BH10 were advanced to a total depth of 4 feet bgs. Delineation soil samples were collected from each pothole at depths ranging from 0.5 feet to 4 feet bgs. Soil from the delineation boreholes was field screened for VOCs and chloride. Field screening results and observations for the boreholes were logged on lithologic/soil sampling logs, which are included in Appendix B. The additional borehole delineation soil sample locations are depicted on Figure 2.

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 Environmental Testing (Eurofins) in Carlsbad, New Mexico or to Cardinal Laboratories (Cardinal) in Hobbs, New Mexico, for analysis of the following contaminants of concern (COCs): BTEX following United States Environmental Protection Agency (EPA) Method 8021B; TPH-gasoline range organics (GRO), TPH-diesel range organics (DRO), and TPH-oil range organics (ORO) following EPA Method 8015M/D; and chloride following EPA Method 300.0 or SM4500CI-B.

On April 16, 2024, Ensolum personnel returned to the Site to oversee the excavation of impacted soil located in the vicinity of confirmation floor soil samples FS26 and FS38, collected at 2 feet bgs and 4 feet bgs, respectively. Heavy equipment was utilized to complete the excavation to an additional foot. Following the removal of the soil, confirmation floor soil samples FS26A and FS38A were collected at 3 feet bgs and 5 feet bgs, respectively. The confirmation soil samples were collected and handled as described above and submitted to Cardinal. The confirmation soil sample locations were mapped utilizing a GPS unit and are depicted on Figure 3. Photographic documentation of the final excavation extent is provided in Appendix C.

The final excavation extent measured approximately 8,630 square feet. A total of approximately 800 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. The excavation



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has been backfilled with material purchased locally and the Site has been recontoured to match preexisting site conditions. Photographic documentation of the backfill is included in the Photographic Log in Appendix C.

LABORATORY ANALYTICAL RESULTS

Delineation soil samples BH02 through BH06 vertically delineated the release at depths ranging from 1foot bgs to 4 feet bgs. Delineation soil sample BH03 was above closure criteria at the time of *Work Plan* approval. Final vertical delineation at this sample point was confirmed through confirmation soil sample FS38A collected at 5 feet bgs. Delineation soil samples BH07 through BH10 and SS07 through SS12 laterally delineated the release. Delineation soil samples SS01 and SS01a were also used to laterally delineate the release. All laboratory analytical results for the delineation samples at their total depth, excluding BH03, indicated concentrations for all COCs were compliant with Closure Criteria.

Laboratory analytical results for all final confirmation floor and sidewall soil samples indicated concentrations for all COCs were compliant with the Closure Criteria. The laboratory analytical results are summarized in Table 1 and the complete laboratory analytical reports are included in Appendix D.

CLOSURE REQUEST

Excavation activities were conducted at the Site in accordance with the approved *Work Plan* to address the May 29, 2023 release of produced water. Laboratory analytical results for the final confirmation soil samples indicate concentrations of all COCs were compliant with the Closure Criteria. Based on the soil sample laboratory analytical results, no further remediation is required.

Excavation of soil has removed impacts exceeding the Closure Criteria at the Site. XTO believes these remedial actions are protective of human health, the environment, and groundwater. As such, XTO respectfully requests remediation closure for Incident Number NAPP2316047464. Following approval of the *Closure Request*, XTO will complete reclamation activities and submit a *Reclamation Report*. If you have any questions or comments, please contact Ms. Tacoma Morrissey at (337) 257-8307 or tmorrissey@ensolum.com.

Sincerely, Ensolum, LLC

Tree Hittart

Tracy Hillard Project Manager

cc: Amy Ruth, XTO Amanda Garcia, XTO BLM

Appendices:



Ashley L. ager

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

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- Figure 1 Site Receptor Map
- Figure 2 Delineation Soil Sample Locations
- Figure 3 Excavation Soil Sample Locations
- Table 1Soil Sample Analytical Results
- Appendix A November 20, 2023 Remediation Work Plan
- Appendix B Lithologic / Soil Sampling Logs
- Appendix C Photographic Log
- Appendix D Laboratory Analytical Reports & Chain-of-Custody Documentation





Figures

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Table

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				PLUC	TABLE 1 LE ANALYTIC 1 RECYCLE F XTO Energy, In County, New	ACILITY				
Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I C	Closure Criteria (I	NMAC 19.15.29)	10	50	NE	NE	NE	NE	100	600
				Deli	neation Soil Sa	mples	1			
SS01	07/17/2023	12	<0.00200	<0.00401	<49.8	<49.8	<49.8	<49.8	<49.8	71.7
SS01A	07/17/2023	13	<0.00199	<0.00398	<49.6	<49.6	<49.6	<49.6	<49.6	68.0
\$\$02	07/17/2023	0.5	< 0.00202	<0.00403	<50.4	<50.4	<50.4	<50.4	<50.4	2,210
BH02	08/10/2023	1	<0.00202	<0.00403	<49.9	<49.9	<49.9	<49.9	<49.9	307
SS03	07/17/2023	0.5	<0.00201	<0.00402	<50.2	<50.2	<50.2	<50.2	<50.2	2,480
BH03	08/10/2023	4	< 0.00200	<0.00401	<49.7	<49.7	<49.7	<49.7	<49.7	1,340
SS04	07/17/2023	0.5	<0.00200	<0.00401	<49.9	<49.9	<49.9	<49.9	<49.9	8 02
BH04	08/10/2023	3	<0.00201	<0.00402	<50.3	<50.3	<50.3	<50.3	<50.3	182
SS05	07/17/2023	0.5	< 0.00202	<0.00404	<49.6	<49.6	<49.6	<49.6	<49.6	3,080
BH05	08/10/2023	3	<0.00199	<0.00398	<50.1	<50.1	<50.1	<50.1	<50.1	101
SS06	07/17/2023	0.5	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	1,580
BH06	08/10/2023	3	<0.00198	<0.00396	<50.4	<50.4	<50.4	<50.4	<50.4	327
BH07	02/28/2024	0.5	<0.00201	<0.00402	<49.8	<49.8	<49.8	<49.8	<49.8	53.9
BH07A	02/28/2024	1	<0.00200	<0.00401	<50.5	<50.5	<50.5	<50.5	<50.5	54.8
BH07B	02/28/2024	2	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	<49.9	73.3
BH07C	02/28/2024	3	<0.00198	<0.00396	<50.0	<50.0	<50.0	<50.0	<50.0	51.4
BH07D	02/28/2024	4	<0.00199	<0.00398	<49.7	<49.7	<49.7	<49.7	<49.7	57.0
BH08	02/28/2024	0.5	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	<49.9	50.9
BH08A	02/28/2024	1	<0.00198	<0.00397	<50.1	<50.1	<50.1	<50.1	<50.1	47.8
BH08B	02/28/2024	2	<0.00201	<0.00402	<50.4	<50.4	<50.4	<50.4	<50.4	60.7
BH08C	02/28/2024	3	<0.00200	<0.00401	<50.3	<50.3	<50.3	<50.3	<50.3	53.3
BH08D	02/28/2024	4	<0.00199	<0.00398	<50.3	<50.3	<50.3	<50.3	<50.3	55.2
BH09	02/28/2024	0.5	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	<49.9	82.4
BH09A	02/28/2024	1	<0.00198	<0.00396	<50.1	<50.1	<50.1	<50.1	<50.1	82.2
BH09B	02/28/2024	2	<0.00201	<0.00402	<50.3	<50.3	<50.3	<50.3	<50.3	63.9
BH09C	02/28/2024	3	<0.00200	<0.00401	<50.3	<50.3	<50.3	<50.3	<50.3	64.5
BH09D	02/28/2024	4	<0.00199	<0.00398	<50.4	<50.4	<50.4	<50.4	<50.4	114
BH10	02/28/2024	0.5	<0.00198	<0.00396	<50.2	<50.2	<50.2	<50.2	<50.2	69.4
BH10A	02/28/2024	1	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	<49.9	51.2
BH10B	02/28/2024	2	<0.00202	<0.00404	<49.7	<49.7	<49.7	<49.7	<49.7	51.0
BH10C	02/28/2024	3	<0.00200	<0.00399	<49.7	<49.7	<49.7	<49.7	<49.7	227
BH10D	02/28/2024	4	<0.00198	<0.00397	<50.0	<50.0	<50.0	<50.0	<50.0	194

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				PLUC	TABLE 1 LE ANALYTIC 1 RECYCLE F XTO Energy, Ir County, New					
Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I C	losure Criteria (I	NMAC 19.15.29)	10	50	NE	NE	NE	NE	100	600
SS07	07/17/2023	0.5	<0.00200	<0.00399	<50.5	<50.5	<50.5	<50.5	<50.5	60.5
SS08	07/17/2023	0.5	<0.00200	<0.00399	<50.4	<50.4	<50.4	<50.4	<50.4	40.1
SS09	07/17/2023	0.5	<0.00202	<0.00403	<50.3	<50.3	<50.3	<50.3	<50.3	38.9
SS10	07/17/2023	0.5	<0.00199	<0.00398	<49.6	<49.6	<49.6	<49.6	<49.6	50.5
SS11	07/17/2023	0.5	<0.00200	<0.00399	<49.6	<49.6	<49.6	<49.6	<49.6	29.7
SS12	07/17/2023	0.5	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	<50.0	26.2
				Confi	irmation Soil Sa	mples				
FS01	02/26/2024	1	<0.00199	<0.00398	<50.4	<50.4	<50.4	<50.4	<50.4	62.9
FS02	02/26/2024	1	<0.00202	<0.00403	<50.5	<50.5	<50.5	<50.5	<50.5	82.0
FS03	02/26/2024	2	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	<49.9	108
FS04	02/26/2024	2	<0.00200	<0.00401	<49.7	<49.7	<49.7	<49.7	<49.7	63.3
FS05	02/26/2024	2	<0.00200	<0.00399	<49.6	<49.6	<49.6	<49.6	<49.6	90.9
FS06	02/26/2024	2	<0.00199	<0.00398	<50.5	<50.5	<50.5	<50.5	<50.5	99.5
FS07	02/26/2024	2	<0.00198	<0.00396	<49.7	<49.7	<49.7	<49.7	<49.7	92.7
FS08	02/26/2024	2	<0.00202	<0.00403	<49.8	<49.8	<49.8	<49.8	<49.8	76.7
FS09	02/26/2024	2	<0.00201	<0.00402	<49.8	<49.8	<49.8	<49.8	<49.8	84.4
FS10	02/26/2024	2	<0.00200	<0.00401	<50.5	<50.5	<50.5	<50.5	<50.5	65.9
FS11	02/26/2024	2	<0.00200	<0.00399	<50.1	<50.1	<50.1	<50.1	<50.1	75.7
FS12	02/26/2024	2	<0.00198	<0.00397	<50.4	<50.4	<50.4	<50.4	<50.4	154
FS13	03/20/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
FS14	02/26/2024	0.5	<0.00202	<0.00403	<49.8	<49.8	<49.8	<49.8	<49.8	45.9
FS15	02/26/2024	0.5	<0.00201	<0.00402	<49.8	<49.8	<49.8	<49.8	<49.8	96.9
FS16	02/26/2024	0.5	<0.00200	<0.00401	<50.1	<50.1	<50.1	<50.1	<50.1	259
FS17	02/26/2024	0.5	<0.00199	<0.00398	<50.1	<50.1	<50.1	<50.1	<50.1	87.1
FS18	03/19/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	336
FS19	03/19/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	82.0
FS20	03/19/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	224
FS21	03/19/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	192
FS22	03/19/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
FS23	03/19/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
FS24	03/19/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
FS25	03/19/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	512
FS26	03/19/2024	2	<0.050	< 0.300	<10.0	<10.0	<10.0	<10.0	< 10.0	1,070
FS26A	04/16/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0

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	TABLE 1 SOIL SAMPLE ANALYTICAL RESULTS PLUC 1 RECYCLE FACILITY XTO Energy, Inc Eddy County, New Mexico												
Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)			
NMOCD Table I C	losure Criteria (I	NMAC 19.15.29)	10	50	NE	NE	NE	NE	100	600			
FS27	03/19/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0			
FS28	03/19/2024	2	<0.050	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0			
FS29	03/19/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0			
FS30	03/19/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0			
FS31	03/19/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144			
FS32	03/20/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0			
FS33	03/19/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	256			
FS34	03/20/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0			
FS35	03/19/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112			
FS36	03/20/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	224			
FS37	03/20/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144			
FS38	03/20/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	688			
FS38A	04/16/2024	5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	176			
FS39	03/20/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0			
FS40	03/20/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0			
FS41	03/20/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0			
FS42	03/20/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0			
FS43	03/20/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0			
FS44	03/20/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	560			
FS45	03/20/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0			
FS46	03/20/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0			
SW01	02/26/2024	0-2	<0.00198	<0.00397	<50.2	<50.2	<50.2	<50.2	<50.2	99.9			
SW02	02/26/2024	0-2	<0.00200	<0.00400	<50.4	<50.4	<50.4	<50.4	<50.4	49.3			
SW03	02/26/2024	0-2	<0.00200	<0.00400	<49.7	<49.7	<49.7	<49.7	<49.7	98.4			
SW04	02/26/2024	0-2	<0.00198	<0.00396	<49.9	<49.9	<49.9	<49.9	<49.9	74.0			
SW05	03/20/2024	0-2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	288			
SW06	03/20/2024	0-2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0			
SW07	03/20/2024	0-2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0			
SW08	03/20/2024	0-2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144			
SW09	03/20/2024	0-2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0			
SW10	03/20/2024	0-4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0			
SW11	03/20/2024	0-4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	336			
SW12	03/20/2024	0-4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0			
SW13	03/20/2024	0-4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0			

	TABLE 1 SOIL SAMPLE ANALYTICAL RESULTS PLUC 1 RECYCLE FACILITY XTO Energy, Inc Eddy County, New Mexico											
Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)		
NMOCD Table I C	losure Criteria (I	NMAC 19.15.29)	10	50	NE	NE	NE	NE	100	600		
SW14	03/20/2024	0-4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0		
SW15	03/20/2024	0-4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0		
SW16	03/20/2024	0-2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0		
SW17	03/20/2024	0-2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0		
SW18	03/20/2024	0-4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	192		
SW19	03/20/2024	0-0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128		
SW20	03/20/2024	0-0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	352		
SW21	03/20/2024	0-2	<0.050	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0		

Notes:

bgs: below ground surface

mg/kg: milligrams per kilogram

NMOCD: New Mexico Oil Conservation Division

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

Concentrations in **bold** exceed the NMOCD Table I Closure Criteria or reclamation requirement where applicable.

GRO: Gasoline Range Organics DRO: Diesel Range Organics ORO: Oil Range Organics TPH: Total Petroleum Hydrocarbon NMAC: New Mexico Administrative Code Grey text indicates soil sample removed during excavation activities



APPENDIX A

November 20, 2023 Remediation Work Plan

Released to Imaging: 6/7/2024 11:34:08 AM

ENSOLUM

November 20, 2023

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

Re: Remediation Work Plan PLU C-1 Incident Number NAPP2316047464 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 (Work Plan)* to document initial assessment activities completed to date and propose remedial actions to address impacted soil identified at the PLU C-1 (Site).

RELEASE SUMMARY AND BACKGROUND

The Site is located in Unit P, Section 15, Township 24 South, Range 30 East, in Eddy County, New Mexico (32.21356°, -103.86040°) and is associated with oil and gas exploration and production operations on Federal Land managed by the Bureau of Land Management (BLM).

On May 29, 2023, mechanical failure of a pump flange caused the release of approximately 57.58 barrels (bbls) of produced water along a pipeline right-of-way (ROW). Free-standing fluids were not able to be recovered. XTO reported the release to the New Mexico Oil Conservation Division (NMOCD) via email on May 30, 2023, and submitted a Release Notification Form C-141 (Form C-141) on June 9, 2023. The release was assigned Incident Number NAPP2316047464.

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 estimated to be greater than 100 feet below ground surface (bgs) based on the nearest groundwater well data. The closest permitted groundwater well with depth to groundwater data is a soil boring permitted by the New Mexico Office of the State Engineer (NMOSE). The soil boring (C-4575) is located approximately 0.65 miles southeast of the Site and was completed on January 4, 2022 as a depth to water boring assessment. The soil boring was drilled to a depth of 105 feet bgs and no groundwater was encountered. Based on the recently installed soil boring, depth to water at the Site is reasonably estimated to be greater than 100 feet bgs. The well record is included in Appendix A and all wells used to evaluate depth to groundwater are presented on Figure 1.

The closest continuously flowing or significant watercourse is greater than 300 feet from the Site. The Site is greater than 200 feet from a lakebed, sinkhole, or playa lake and greater than 300 feet from an

XTO Energy, Inc. Remediation Work Plan PLU C-1

occupied residence, school, hospital, institution, church, significant water course, or wetland. The Site is greater than 1,000 feet from a freshwater well or spring and is not within a 100-year floodplain or overlying a subsurface mine. The Site is not underlain by unstable geology (low potential karst designation area).

Based on the closest depth to groundwater data exceeding a distance of 0.5 miles from the Site, as preferred by the NMOCD, 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): 100 mg/kg
- Chloride: 600 mg/kg

SITE ASSESSMENT AND DELINEATION ACTIVITIES

On July 17, 2023, Site assessment activities were conducted to evaluate the release extent based on information provided on the Form C-141 and visual observations. An excavation, related to the pipeline operations, existed near the point of release. Two soil samples were collected (SS01 and SS01A) at the base of the existing excavation at depths of 12 feet and 13 feet bgs, respectively, to assess the presence or absence of contaminants of concern (COCs) at concentrations that exceed the Closure Criteria. A total of five additional soil samples (SS02 through SS06) were collected within the release extent at depth of 0.5 feet bgs, to assess surficial soil within the release. Lateral soil samples (SS07 through SS12) were collected outside of the release extent to define the release extent. 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. A photographic log of Site conditions is included as 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, for analysis of the following COCs: BTEX following United States Environmental Protection Agency (EPA) Method 8021B; TPH-gasoline range organics (GRO), TPH-diesel range organics (DRO), and TPH-oil range organics (ORO) following EPA Method 8015M/D; and chloride following EPA Method 300.0.

Ensolum returned to the Site on August 10, 2023, to assess soil vertically within the release extent. Boreholes BH02 through BH06 were advanced via hand auger in the vicinity of surface soil samples SS02 through SS06, respectfully. Soil was field screened for VOCs and chloride and samples were collected at depths ranging from 1-foot to 4 feet bgs. Soil samples were submitted for laboratory analysis as described above. Field screening results and observations for the boreholes were logged on lithologic soil sampling logs, which are included in Appendix C. Borehole locations are depicted on Figure 2.

Laboratory analytical results for assessment soil samples SS01 and SS01A, collected at the base of the existing excavation, completed prior to the release by XTO's pipeline operations group and located immediately adjacent to the point of release, indicated all COC concentrations were in compliance with the Closure Criteria, confirming the absence of impacted soil in this area. In order to protect the structural integrity of the production equipment installed, the excavation was backfilled following a review of the laboratory analytical results. Laboratory analytical results for surficial soil samples SS02 through SS06,



XTO Energy, Inc. Remediation Work Plan PLU C-1

collected within the release extent at 0.5 feet bgs, indicated the chloride concentrations in all five soil samples exceeded the Closure Criteria. Laboratory analytical results for vertical soil samples collected within the release extent indicated all COC concentrations were in compliance with the Closure Criteria, with the exception of BH03, collected at 4 feet bgs. Laboratory analytical results for lateral soil samples SS07 through SS12 indicated all COC concentrations were in compliance with the Closure Criteria. Soil analytical results from delineation activities are summarized on Table 1. The full laboratory analytical reports are included in Appendix D.

Based on laboratory analytical results of delineation soil samples collected within the release extent, soil containing chloride at concentrations greater than 600 mg/kg, is present within the release extent at depths ranging from the ground surface to a maximum depth of 4 feet bgs. As such, excavation appears warranted.

PROPOSED REMEDIATION WORK PLAN

Ensolum completed delineation activities at the Site to assess soil conditions following a May 2023 release of produced water within a pipeline ROW on federal land. Assessment activities indicates chloride concentrations in soil at the ground surface to 4 feet bgs do exceed the Closure Criteria, which requires excavation, backfilling with non-waste containing soil and reseeding to fully reclaim the Site. XTO is proposing the following remedial actions to address the May 2023 release:

- Excavate impacted soil to a depth of 4 feet bgs within the release extent footprint as depicted on Figure 2;
- Collect confirmation samples at the sampling frequency of one 5-point composite soil sample every 200 square feet along the excavation floor and sidewalls to confirm the proper removal of impacted soil;
- Backfill and recontour the fully excavated area to match pre-existing conditions;
- Re-seed the backfilled area with a BLM-approved seed mixture.

The release extent area covers approximate 8,200 square feet and estimating an average of 2 feet vertically to remove waste-containing soil, an estimated 600 cubic yards of soil will be excavated and properly transported to a New Mexico approved landfill facility for disposal. The remedial/reclamation approach described is believed to be protective of human health, the environment, and groundwater.

PROPOSED SCHEDULE

XTO will complete excavation and confirmation soil sampling and will submit a *Closure Request* within 90 days following approval of the *Work Plan* from NMOCD.



XTO Energy, Inc. Remediation Work Plan PLU C-1

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

Sincerely, Ensolum, LLC

Daniel R. Moir, PG Senior Managing Geologist

cc: Garrett Green, XTO Tommee Lambert, XTO BLM

Ashley L. Ager

Ashley L. Ager, MS, PG Principal

Appendices:

- Figure 1 Site Receptor Map
- Figure 2 Delineation Soil Sample Locations
- Table 1
 Soil Sample Analytical Results
- Appendix A Water Well Log
- Appendix B Photographic Log
- Appendix C Lithologic / Soil Sampling Logs
- Appendix D Laboratory Analytical Reports and Chain-of-Custody Documentation
- Appendix E NMOCD Notifications



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Figures

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Received by OCD: 6/4/2024 9.36.12 AM

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Table

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ENSOLUM

	SOIL SAMPLE ANALYTICAL RESULTS PLU C-1 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	NE	100	600		
				Deliı	neation Soil Sa	mples	•		•			
SS01	07/17/2023	12	<0.00200	<0.00401	<49.8	<49.8	<49.8	<49.8	<49.8	71.7		
SS01A	07/17/2023	13	<0.00199	<0.00398	<49.6	<49.6	<49.6	<49.6	<49.6	68.0		
SS02	07/17/2023	0.5	<0.00202	<0.00403	<50.4	<50.4	<50.4	<50.4	<50.4	2,210		
BH02	08/10/2023	1	<0.00202	<0.00403	<49.9	<49.9	<49.9	<49.9	<49.9	307		
SS03	07/17/2023	0.5	<0.00201	<0.00402	<50.2	<50.2	<50.2	<50.2	<50.2	2,480		
BH03	08/10/2023	4	<0.00200	<0.00401	<49.7	<49.7	<49.7	<49.7	<49.7	1,340		
SS04	07/17/2023	0.5	<0.00200	<0.00401	<49.9	<49.9	<49.9	<49.9	<49.9	802		
BH04	08/10/2023	3	<0.00201	<0.00402	<50.3	<50.3	<50.3	<50.3	<50.3	182		
SS05	07/17/2023	0.5	<0.00202	<0.00404	<49.6	<49.6	<49.6	<49.6	<49.6	3,080		
BH05	08/10/2023	3	<0.00199	<0.00398	<50.1	<50.1	<50.1	<50.1	<50.1	101		
SS06	07/17/2023	0.5	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	1,580		
BH06	08/10/2023	3	<0.00198	<0.00396	<50.4	<50.4	<50.4	<50.4	<50.4	327		
SS07	07/17/2023	0.5	<0.00200	<0.00399	<50.5	<50.5	<50.5	<50.5	<50.5	60.5		
SS08	07/17/2023	0.5	<0.00200	<0.00399	<50.4	<50.4	<50.4	<50.4	<50.4	40.1		
SS09	07/17/2023	0.5	<0.00202	<0.00403	<50.3	<50.3	<50.3	<50.3	<50.3	38.9		
SS10	07/17/2023	0.5	<0.00199	<0.00398	<49.6	<49.6	<49.6	<49.6	<49.6	50.5		
SS11	07/17/2023	0.5	<0.00200	<0.00399	<49.6	<49.6	<49.6	<49.6	<49.6	29.7		
SS12	07/17/2023	0.5	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	<50.0	26.2		

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 I Closure Criteria or reclamation requirement where applicable.

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

ion NMAC: New Mexico Administrative Code

Grey text indicates soil sample removed during excavation activities

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APPENDIX A

Well Log Record

PAGE 1 OF 2

Mor

WELL TAG ID NO.



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

05E DIT JAN 24 2022 PM3:00

www.ose.state.nm.us

ł	WELL OWNER 1 6401 Holiday	AILING	ADDRESS					CITY Midland		state TX 79707	ZIP
F	WELL	T		GREES	MINUTES	SECOND	1			In 19101	
	LOCATION (FROM GPS)		TITUDE	32 103	12 50	38.03	N W		REQUIRED: ONE TENT QUIRED: WGS 84	TH OF A SECOND	
F		RELATIN	NGITUDE IG WELL LOCATION TO S R30E, NMPM				_	SS (SECTION, TO	WNSHJIP, RANGE) WH	ERE AVAILABLE	
T	LICENSE NO. 1249		NAME OF LICENSED		ckie D. Atkin		_		NAME OF WELL DRI	ILLING COMPANY ineering Associates, I	
ŀ	DRILLING STAF		DRILLING ENDED 1-4-2022	DEPTH OF COM		FT) B		LE DEPTH (FT) 105		ST ENCOUNTERED (FT) n/a	_
ŀ	COMPLETED W	ELL IS:	ARTESIAN	✓ DRY HOLE		OW (UNCONF	INED)		STATIC WATER LEV	EL IN COMPLETED WE	LL (FT)
t	DRILLING FLUI	D:	AIR	MUD	ADDITI	VES – SPECIF	Y:				
	DRILLING MET	HOD:	ROTARY	HAMMER	CABLE	TOOL	OTHE	ER - SPECIFY:	Hollo	w Stem Auger	
	DEPTH (feet bgl) FROM TO		BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and			CASING CONNECTION TYPE		CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SL SL (inc
F	0	105	±8.5	note sections of screen) (Boring- HSA			(add coupling diameter) 				-
ŀ		_									
ŀ											
L	DEPTH (fe	et bgl)	BORE HOLE	2 11 10 10 10	ANNULAR				AMOUNT	METHO	
	FROM	то	DIAM. (inches)	GRAVI	EL PACK SIZI	S-RANGE B	Y INTI	SKVAL	(cubic feet)	PLACEN	ABNT
ŀ											

LOCATION

7 -1

245-30E-22

- F	DEPTH (fe	eet bgl)	Sec. 1997	COLOR AND TYPE OF MATERIAL ENCOUNTERED -	E DII JAN 24 202	ESTIMATED
	FROM	то	THICKNESS (feet)	INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)	YIELD FOR WATER- BEARING ZONES (gpm)
	0	1	1	Caliche, White, Dry	Y √N	
	1	20	19	Sand, very fine grained, well graded, with caliche, Reddish Brown-Light Bro	own Y N	
	20	30	20	Caliche, consolidated with silt and some gravel, Off-White, Dry	Y √N	
	30	50	20	Sand, very fine grained, well graded, with gravel, Light Brown	Y √N	
	50	75	25	Sand, very fine grained, well graded, with gravel, Reddish Brown, slight mo	oist Y ✔N	
	75	105	30	Sand, very fine grained, poorly graded, Reddish Brown, slight moist	Y √N	10 million - 1
					Y N	
5					Y N	
		_	1		Y N	
					Y N	
		1	1		Y N	
		-			Y N	
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4. HYDROGEOLOGIC LOG OF WELL					Y N	
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NO			AIR LIFT		Y N Y N FOTAL ESTIMATED WELL YIELD (gpm):	METHOD,
	PUMP WELL TEST		AIR LIFT	BAILER OTHER – SPECIFY: TACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCL ME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER emporary well materials removed and the soil boring backfilled using set below ground surface, then hydrated bentonite chips from ten feet h ogs adapted from WSP on-site geologist.	Y N Y N TOTAL ESTIMATED WELL YIELD (gpm): UDING DISCHARGE N THE TESTING PERIO	METHOD, D. al depth to ten to surface.
5. TEST; RIG SUPERVISION	PUMP WELL TEST MISCELLAN	T TEST T TEST STAF	AIR LIFT	BAILER OTHER – SPECIFY: TACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLI ME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER emporary well materials removed and the soil boring backfilled using the below ground surface, then hydrated bentonite chips from ten feet hogs adapted from WSP on-site geologist. RVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONST	Y N Y N TOTAL ESTIMATED WELL YIELD (gpm): UDING DISCHARGE N THE TESTING PERIO	METHOD, D. al depth to ten to surface.
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· .	PUMP WELL TEST MISCELLAN PRINT NAM Shane Eldrid THE UNDER CORRECT R AND THE PI	TEST TEST STAF NEOUS IN IE(S) OF E Ige, Came RSIGNED CECORD C ERMIT HO Atkin	AIR LIFT	BAILER OTHER - SPECIFY: TACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER Temporary well materials removed and the soil boring backfilled using bet below ground surface, then hydrated bentonite chips from ten feet hogs adapted from WSP on-site geologist. RVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUED Trevino FIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIED ESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RE 30 DAYS AFTER COMPLETION OF WELL DRILLING: Jackie D. Atkins	Y N Y N TOTAL ESTIMATED WELL YIELD (gpm): UDING DISCHARGE N THE TESTING PERIO drill cuttings from tot below ground surface FRUCTION OTHER TH GF, THE FOREGOING IS CORD WITH THE STA	AETHOD, D. al depth to ten to surface. AN LICENSEE S A TRUE ANE
SIGNATURE 5.	PUMP WELL TEST MISCELLAN PRINT NAM Shane Eldrid THE UNDER CORRECT R AND THE PI	TEST TEST STAF NEOUS IN IE(S) OF E Ige, Came RSIGNED CECORD C ERMIT HO Atkin	AIR LIFT	BAILER OTHER – SPECIFY: TACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER emporary well materials removed and the soil boring backfilled using bet below ground surface, then hydrated bentonite chips from ten feet hogs adapted from WSP on-site geologist. RVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUED Trevino FIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELLIE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RE 30 DAYS AFTER COMPLETION OF WELL DRILLING:	Y N Y N TOTAL ESTIMATED WELL YIELD (gpm): UDING DISCHARGE N THE TESTING PERIO drill cuttings from tot below ground surface	AETHOD, D. al depth to ten to surface. AN LICENSEE S A TRUE ANE
6. SIGNATURE 5.	PUMP WELL TEST MISCELLAN PRINT NAM Shane Eldrid THE UNDER CORRECT R AND THE PI	TE(S) OF D dge, Came RSIGNED RECORD C ERMIT HO SIGNAT	AIR LIFT	BAILER OTHER - SPECIFY: FACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER emporary well materials removed and the soil boring backfilled using bet below ground surface, then hydrated bentonite chips from ten feet hogs adapted from WSP on-site geologist. RVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTREE FIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RE 30 DAYS AFTER COMPLETION OF WELL DRILLING: Jackie D. Atkins ER / PRINT SIGNEE NAME	Y N Y N TOTAL ESTIMATED WELL YIELD (gpm): UDING DISCHARGE N THE TESTING PERIO drill cuttings from tot below ground surface FRUCTION OTHER TH GF, THE FOREGOING IS CORD WITH THE STA	AETHOD, D. al depth to ten to surface. AN LICENSEE S A TRUE ANE NTE ENGINEER

OSE_Well Record and Log_-forsign

Final Audit Report

Created:	2022-01-21
By:	Lucas Middleton (lucas@atkinseng.com)
Status:	Signed
Transaction ID:	CBJCHBCAABAAHFW29aZiQH1D931B0LxyAz3o1wYi88ri

"OSE_Well Record and Log_-forsign" History

- Document created by Lucas Middleton (lucas@atkinseng.com) 2022-01-21 - 10:47:34 PM GMT- IP address: 69.21.248.123
- Document emailed to Jack Atkins (jack@atkinseng.com) for signature 2022-01-21 - 10:48:19 PM GMT
- Email viewed by Jack Atkins (jack@atkinseng.com) 2022-01-21 - 10:49:13 PM GMT- IP address: 64.90.153.232
- Document e-signed by Jack Atkins (jack@atkinseng.com) Signature Date: 2022-01-22 - 0:16:23 AM GMT - Time Source: server- IP address: 64.90.153.232
- Agreement completed. 2022-01-22 - 0:16:23 AM GMT

OSE 011 JAN 24 2022 PM3:00

2022-01-22





APPENDIX B

Photographic Log



E N	SOLUM	Photographi XTO Energy PLU C-1 Incident Number NAP	v, Inc
Date & Time: Thu: Aug 10, 2023 at 12,41,52 MDT Position: +032 213834' /-103 860730' (=32.8ft) Altiude: 3379ft (=42.3ft) Datum: W65-86 Azimuth/Bearing: 193: 513W 3431mils: True (±12 Elevation: Angle: -00.6 Zoom: 0.5X BH02at 1: South view Manaha 0: Delt		Date & Time: Thu. Aug 10. 2023 at 12.47.20 MDT Position: +032.214005 '/ -103.860470'' (±15.1ft) Attitude: 3447ft (±11.6ft) Datum: W65-84 Azimuthy Bearing: 024: N2&E: 0427mils True (±12'') Elevation Angle -10.5 Horizon Angle -00.7 Zoom: 05. BH03 at 3 Maraha.10 Dett	
Photograph 5 Description: Vertical deli View: South	Date: 8/10/2023 neation activities (BH02)	Photograph 6 Description: Vertical delineation View: Northeast	Date: 8/10/2023 activities (BH03)



APPENDIX C

Lithologic / Soil Sampling Logs

							Sample Name: SS02/BH02	Date: 8/10/2023		
							Site Name: PLU C-1 Recycle Facility			
		N	>	ΟΙ			Incident Number: nAPP231604746			
							Job Number: 03C1558251			
1	ITHOU	JGIC		SAMPLING	106		Logged By: M. O'Dell Method: Hand Auge			
Coordinates: 32.							Hole Diameter: 6"	Total Depth: 1.0'		
				vith HACH Ch	nloride Test	Strips and	PID for chloride and vapor, respect	-		
		-					easurements done with a + 40% cor			
Moisture Content Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	USCS/Rock Symbol	Lithologic Des	criptions			
D 3020	0.0	N	SS02	Sand. Reddish brown, very f well graded, dry.	ine to fine grained,					
D 246.4	ine to fine grained,									
					Total) Depth @	1' hgs			
		$\overline{\ }$	、							

ENSOLUM Site Name: PLU C-1 Recycle Facility Incident Number: nAPP2316047464 Job Number: 03C1558251 LITHOLOGIC / SOIL SAMPLING LOG Logged By: M. O'Dell Method: Hand Auger Coordinates: 32.213982, -103.860657 Hole Diameter: 6" Total Depth: 4' Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. All chloride measurements done with a + 40% correction factor.									Sample Name: SS03/BH03	Date: 8/10/2023
Job Number: 03C1558251 Job Number: 03C1558251 LITHOLOGIC / SOIL SAMPLING LOG Logged By: M. O'Dell Method: Hand Auger Coordinates: 32.213982, -103.860657 Total Depth: 4' Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. All chloride measurements done with a + 40% correction factor. Mathematication of the set of the se										
Job Number: 03C1558251 Job Number: 03C1558251 LITHOLOGIC / SOIL SAMPLING LOG Logged By: M. O'Dell Method: Hand Auger Coordinates: 32.213982, -103.860657 Hole Diameter: 6" Total Depth: 4' Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. All chloride measurements done with a + 40% correction factor. Total Depth: 4' Optimize the strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. All chloride measurements done with a + 40% correction factor. Total Depth: 4' Optimize the strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. All chloride measurements done with a + 40% correction factor. Total Depth: 4' Optimize the strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. All chloride measurements done with a + 40% correction factor. Dig tig tig tig tig tig tig tig tig tig t					3					
LITHOLOGIC / SOIL SAMPLING LOG Logged By: M. O'Dell Method: Hand Auger Coordinates: 32.213982, -103.860657 Hole Diameter: 6" Total Depth: 4' Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. All chloride measurements done with a + 40% correction factor. and the big of the										
Coordinates: 32.213982, -103.860657 Hole Diameter: 6'' Total Depth: 4' Coordinates: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. All chloride measurements done with a + 40% correction factor. and the performed with 1:4 dilution factor of soil to distilled water. All chloride measurements done with a + 40% correction factor. and the performed with 1:4 dilution factor of soil to distilled water. All chloride measurements done with a + 40% correction factor. and the performed with 1:4 dilution factor of soil to distilled water. All chloride measurements done with a + 40% correction factor. and the performed with 1:4 dilution factor of soil to distilled water. All chloride measurements done with a + 40% correction factor. and the performed with 1:4 dilution factor of soil to distilled water. All chloride measurements done with a + 40% correction factor. and the performed with 1:4 dilution factor of soil to distilled water. All chloride measurements done with a + 40% correction factor. beneformed with 1:4 dilution factor of soil to distilled water. All chloride measurements done with a + 40% correction factor. D 1982 0.0 N SSO3 0.5 SW Sand. Reddish brown, very fine to fine grained, well graded, dry. D 1,193 0.0 N BH03 4 4 4 <t< td=""><td></td><td></td><td>LITHOL</td><td>OGI</td><td></td><td>SAMPLING</td><td>6 LOG</td><td></td><td>Logged By: M. O'Dell</td><td>Method: Hand Auger</td></t<>			LITHOL	OGI		SAMPLING	6 LOG		Logged By: M. O'Dell	Method: Hand Auger
and formed with 1:4 dilution factor of soil to distilled water. All chloride measurements done with a + 40% correction factor. and formed with 1:4 dilution factor of soil to distilled water. All chloride measurements done with a + 40% correction factor. and formed with 1:4 dilution factor of soil to distilled water. All chloride measurements done with a + 40% correction factor. and formed with 1:4 dilution factor of soil to distilled water. All chloride measurements done with a + 40% correction factor. and formed with 1:4 dilution factor of soil to distilled water. All chloride measurements done with a + 40% correction factor. and formed with 1:4 dilution factor of soil to distilled water. All chloride measurements done with a + 40% correction factor. b b b c b c b c b c b c b c b c <thc> <thc< th=""> c c</thc<></thc>	Coord	inates: 3	2.213982	2, -10	3.860657					
and solutionand solution </td <td></td>										
D 1,389 0.0 N Image: Mark and						Sample Depth	Depth	1		
D 2,145 0.0 N - </td <td>D</td> <td>1982</td> <td>0.0</td> <td>N</td> <td>SS03</td> <td>0.5</td> <td>0.5</td> <td>SW</td> <td>Sand. Reddish brown, verv well graded, dry.</td> <td>y fine to fine grained,</td>	D	1982	0.0	N	SS03	0.5	0.5	SW	Sand. Reddish brown, verv well graded, dry.	y fine to fine grained,
D 2,464 0.0 N 3 3 D 1,193 0.0 N BH03 4 4 4	D	1,389	0.0	N		-	1	SP		y fine to fine grained,
D 1,193 0.0 N BH03 4 4	D	2,145	0.0	N		-	2			
	D	2,464	0.0	N			3			
Total Depth @ 4' bgs. Hand auger refusal at 4' bgs.	D	1,193	0.0	N	BH03	4	4			
	/				Тс	otal Depth	@ 4' bgs.	Hand a	uger refusal at 4' bgs.	
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					\searrow					
							\sim			
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								Sample Name: SS04/BH04	Date: 8/10/2023
				•					
				3	ΟΙ			Incident Number: nAPP2316047	
								Job Number: 03C1558251	
		LITHOL	OGI		SAMPLING	G LOG		Logged By: M. O'Dell	Method: Hand Auger
Coordi	inates: 32	2.214155	, -103	8.860682				Hole Diameter: 6"	Total Depth: 4'
								hloride and vapor, respectively. Chlo 0% correction factor.	ride test performed with 1:4
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	USCS/Rock Symbol	Lithologic D	escriptions	
D	y fine to fine grained,								
D	1,613	0.0	N		-	1	SP	Sand. Reddish brown, verv poorly graded, dry.	y fine to fine grained,
D	1,019	0.0	N			2			
D	179.2	0.0	N	BH04	3	3			
D	<179	0.0	N		-	4			
		-	-	Тс	otal Depth	@ 4' bgs.	Hand a	uger refusal at 4' bgs.	
	\searrow								
						\searrow			
							$\overline{\ }$	<	
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									<
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								Sample Name: SS05/BH05	Date: 8/10/2023	
								Site Name: PLU C-1 Recycle Facilit		
			N	5	ΟΙ		Μ	Incident Number: nAPP231604746		
						Job Number: 03C1558251				
					SAMPLING	Logged By: M. O'Dell	Method: Hand Auger			
Coord	inates: 32			-		Hole Diameter: 6"	Total Depth: 3'			
Comm	ents: Fie	ld screen	ing co	onducted w				PID for chloride and vapor, respeces easurements done with a + 40% co	tively. Chloride test	
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions		
D	4452	0.0	N	SS05	0.5	0.5	SW	Sand. Reddish brown, very t well graded, dry.	fine to fine grained,	
D	1,103	0.0	N		+	1	SP	Sand. Reddish brown, very t poorly graded, dry.	fine to fine grained,	
D	448	0.0	N		+ + +	2				
D	<179	0.0	N	BH05	3	3				
Total Depth @ 3' bgs										

								Sample Name: SS06/BH06	Date: 8/10/2023		
								Site Name: PLU C-1 Recycle Facilit			
			N	5	ΟΙ	Incident Number: nAPP2316047464					
and the second						Job Number: 03C1558251					
			OGI		SAMPLING	Logged By: M. O'Dell	Method: Hand Auger				
Coord						Hole Diameter: 6"	Total Depth: 4'				
Coordinates: 32.213980, -103.860771 Hole Diameter: 6" Total Depth: 4' Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. All chloride measurements done with a + 40% correction factor. Total Depth: 4'											
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions			
D	1725	0.0	N	SS06	0.5	0.5	SW	Sand. Reddish brown, very fine to fine grained, well graded, dry.			
D	1,501	0.0	N		-	1	SP	Sand. Reddish brown, very poorly graded, dry.	fine to fine grained,		
D	1,999	0.0	N		-	2					
D	498	0.0	N	BH06	3	3					
D	790	0.0	N		-	4					
				To	otal Depth	@ 4' bgs.	Hand au	uger refusal @ 4' bgs.			
	\searrow										
		\searrow									
			$\overline{}$								
				$\overline{}$							
						\searrow					


APPENDIX D

Laboratory Analytical Reports & Chain-of-Custody Documentation Received by OCD: 6/4/2024 9:36:12 AM



Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Tacoma Morrissey Ensolum 601 N. Marienfeld St. Suite 400 Midland, Texas 79701 Generated 8/2/2023 1:48:17 PM Revision 1

JOB DESCRIPTION

PLU C-1 RECYCLE FACILITY SDG NUMBER 03C1558251

JOB NUMBER

890-4956-1

and, Te 1:48:17 P ESCR CYCLE 3ER 03(

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 8/2/2023 1:48:17 PM Revision 1

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

Eurofins Carlsbad is a laboratory within Eurofins Environment Testing South Central, LLC, a company within Eurofins Environment Testing Group of Companies

Laboratory Job ID: 890-4956-1 SDG: 03C1558251

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QC Association Summary	25
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Certification Summary	33
Method Summary	34
Sample Summary	35
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			278
	Definitions/Glossary		
Client: Ensolu Project/Site: R	IM PLU C-1 RECYCLE FACILITY	Job ID: 890-4956-1 SDG: 03C1558251	
Qualifiers			
GC VOA Qualifier	Qualifier Description		ī
F1	MS and/or MSD recovery exceeds control limits.		
F2	MS/MSD RPD exceeds control limits		
S1-	Surrogate recovery exceeds control limits, low biased.		
U	Indicates the analyte was analyzed for but not detected.		
GC Semi VO Qualifier	A Qualifier Description		
F1	MS and/or MSD recovery exceeds control limits.		
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.		
a	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		1
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 ND	Not Calculated Not Detected at the reporting limit (or MDL or EDL if shown)		
INI J	NOT DETECTED AT THE REPORTING INTIL OF MIDE OF EDE IT SNOWN)		

Negative / Absent

Positive / Present

Presumptive Quality Control

Practical Quantitation Limit

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

NEG

POS

PQL

QC RER

RL

RPD

TEF TEQ

TNTC

PRES

Case Narrative

Client: Ensolum Project/Site: PLU C-1 RECYCLE FACILITY

Job ID: 890-4956-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative 890-4956-1

REVISION

The report being provided is a revision of the original report sent on 7/28/2023. The report (revision 1) is being revised due to Per client email, it is beleived that SS02 and SS07 were inadvertently switched.

Receipt

The samples were received on 7/17/2023 4:11 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 3.0°C

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: SS01 (890-4956-1), SS01A (890-4956-2), SS07 (890-4956-3), SS03 (890-4956-4), SS04 (890-4956-5), SS05 (890-4956-6), SS06 (890-4956-7), SS02 (890-4956-8), SS08 (890-4956-9), SS09 (890-4956-10), SS10 (890-4956-11), SS11 (890-4956-12) and SS12 (890-4956-13).

GC VOA

Method 8021B: Surrogate recovery for the following sample was outside control limits: (890-4956-A-12-D MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The continuing calibration verification (CCV) associated with batch 880-58267 recovered above the upper control limit for m-Xylene & p-Xylene. An acceptable CCV was ran within the 12 hour window, therefore the data has been qualified and reported. The associated sample is impacted: (CCV 880-58267/2).

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-58153 and analytical batch 880-58267 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 continuing calibration verification (CCV) associated with batch 880-58267 recovered above the upper control limit for Benzene. An acceptable CCV was ran within the 12 hour window, therefore the data has been qualified and reported. The associated sample is impacted: (CCV 880-58267/51).

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 for the following samples were outside control limits: SS01A (890-4956-2), (890-4929-A-1-C), (890-4929-A-1-D MS) and (890-4929-A-1-E MSD). 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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Job ID: 890-4956-1 SDG: 03C1558251

Client: Ensolum Project/Site: PLU C-1 RECYCLE FACILITY

Client Sample ID: SS01 Date Collected: 07/17/23 10:00 Date Received: 07/17/23 16:11 Sample Depth: 12

Job ID: 890-4956-1 SDG: 03C1558251

Lab Sample ID: 890-4956-1

Matrix: Solid

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Method: SW846 8021B - Volat Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0.00200		0.00200	mg/Kg		07/20/23 14:04		
Toluene	<0.00200	U	0.00200	mg/Kg		07/20/23 14:04	07/22/23 12:40	
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		07/20/23 14:04	07/22/23 12:40	
m-Xylene & p-Xylene	<0.00401	U	0.00401	mg/Kg		07/20/23 14:04	07/22/23 12:40	
p-Xylene	<0.00200		0.00200	mg/Kg		07/20/23 14:04	07/22/23 12:40	
Xylenes, Total	<0.00401		0.00401	mg/Kg			07/22/23 12:40	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	92		70 - 130			07/20/23 14:04	07/22/23 12:40	
1,4-Difluorobenzene (Surr)	77		70 - 130			07/20/23 14:04	07/22/23 12:40	
Method: TAL SOP Total BTEX	- Total BTE	X Calculat						
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Total BTEX	<0.00401	U	0.00401	mg/Kg			07/24/23 09:30	
Method: SW846 8015 NM - Die					-	_ .		
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Total TPH	<49.8	U	49.8	mg/Kg			07/28/23 11:50	
Method: SW846 8015B NM - D					_			
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	mg/Kg		07/20/23 15:43	07/27/23 14:45	
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		07/20/23 15:43	07/27/23 14:45	
Oll Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		07/20/23 15:43	07/27/23 14:45	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
1-Chlorooctane	130		70 - 130			07/20/23 15:43	07/27/23 14:45	
o-Terphenyl	114		70 - 130			07/20/23 15:43	07/27/23 14:45	
Method: EPA 300.0 - Anions,	on Chroma	tography -	Soluble					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Chloride	71.7		4.97	mg/Kg			07/20/23 10:01	
lient Sample ID: SS01A						Lab Samp	le ID: 890-4	956-2
ate Collected: 07/17/23 10:05							Matrix	c: Soli
ate Received: 07/17/23 16:11								
ample Depth: 13								
Method: SW846 8021B - Volat			• •					
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0.00199		0.00199	mg/Kg		07/20/23 14:04	07/22/23 16:27	
Toluene	<0.00199	U	0.00199	mg/Kg		07/20/23 14:04	07/22/23 16:27	
Ethylhonzono	<0.00199	11	0.00199	mg/Kg		07/20/23 11.01	07/22/23 16:27	
Euryidenzene	<0.00199	0	0.00100	ing/itg		01/20/23 14.04	01/22/20 10.21	
Ethylbenzene m-Xylene & p-Xylene	<0.00199		0.00398	mg/Kg			07/22/23 16:27	

o-Xylene <0.00199 U 0.00199 07/20/23 14:04 07/22/23 16:27 mg/Kg Xylenes, Total <0.00398 U 0.00398 mg/Kg 07/20/23 14:04 07/22/23 16:27 Surrogate %Recovery Qualifier Limits Prepared Analyzed 4-Bromofluorobenzene (Surr) 78 70 - 130 07/20/23 14:04 07/22/23 16:27

Eurofins Carlsbad

Released to Imaging: 6/7/2024 11:34:08 AM

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		Client	t Sample Re	sults				
lient: Ensolum	.						Job ID: 890-	
roject/Site: PLU C-1 RECYCLE	FACILITY						SDG: 03C1	558251
Client Sample ID: SS01A ate Collected: 07/17/23 10:05						Lab Samp	le ID: 890-4 Matrix	4956-2 k: Solid
ate Received: 07/17/23 16:11							Wauna	1. 5010
Sample Depth: 13								
Method: SW846 8021B - Volati	ile Organic	Compoun	ds (GC) (Contin	ued)				
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	92		70 - 130			07/20/23 14:04		1
Method: TAL SOP Total BTEX	Total BTE	.X Coloula	tion .					
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398		0.00398	mg/Kg		11000.00	07/24/23 09:30	1
							••••	
Method: SW846 8015 NM - Die					_			- <u>-</u>
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6	mg/Kg			07/28/23 11:50	1
Method: SW846 8015B NM - Di	•	•	s (DRO) (GC)					
Analyte		Qualifier	RL	Unit	D		Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6		49.6	mg/Kg			07/27/23 15:07	1
Diesel Range Organics (Over	<49.6	U	49.6	mg/Kg		07/20/23 15:43	07/27/23 15:07	1
C10-C28) Oll Range Organics (Over C28-C36)	<49.6	U	49.6	mg/Kg		07/20/23 15:43	07/27/23 15:07	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane		S1+	70 - 130				07/27/23 15:07	<u>DII Fac</u> 1
o-Terphenyl	117		70 - 130				07/27/23 15:07	1
		e e constante e	0.1.11.					
Method: EPA 300.0 - Anions, Ic Analyte		tography -	- Soluble RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride			5.00	mg/Kg	— —	Fiepareu	07/20/23 10:16	
-	00.0		5.00	ing/itg				·
Client Sample ID: SS07						Lab Samp	le ID: 890-4	1956-3
Date Collected: 07/17/23 09:20							Matrix	k: Solid
Date Received: 07/17/23 16:11								
Sample Depth: 0.5								
 Method: SW846 8021B - Volati	lle Organic	Compoun	ds (GC)					
Analyte	-	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
•						-		

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		07/20/23 14:04	07/22/23 16:48	1
Toluene	<0.00200	U	0.00200	mg/Kg		07/20/23 14:04	07/22/23 16:48	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		07/20/23 14:04	07/22/23 16:48	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		07/20/23 14:04	07/22/23 16:48	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		07/20/23 14:04	07/22/23 16:48	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		07/20/23 14:04	07/22/23 16:48	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	75		70 - 130			07/20/23 14:04	07/22/23 16:48	1
1,4-Difluorobenzene (Surr)	86		70 - 130			07/20/23 14:04	07/22/23 16:48	1
Method: TAL SOP Total BT	EX - Total BTE	X Calculat	ion					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			07/24/23 09:30	1
Method: SW846 8015 NM -	Diesel Range (Organics (DRO) (GC)					
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5		50.5	mg/Kg			07/28/23 11:50	1

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Client Sample ID: SS07 Date Collected: 07/17/23 09:20

Date Received: 07/17/23 16:11 Sample Depth: 0.5

Method: SW846 8015B NM - D		Qualifier	RL	Unit	D	Droparod	Analyzod	Dil Fa
Analyte	<50.5					Prepared	Analyzed	- DII Fa
Gasoline Range Organics (GRO)-C6-C10				mg/Kg		07/20/23 15:43		
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5	mg/Kg		07/20/23 15:43	07/27/23 15:29	
Oll Range Organics (Over C28-C36)	<50.5	U	50.5	mg/Kg		07/20/23 15:43	07/27/23 15:29	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
1-Chlorooctane	126		70 - 130			07/20/23 15:43	07/27/23 15:29	
o-Terphenyl	111		70 - 130			07/20/23 15:43	07/27/23 15:29	
Method: EPA 300.0 - Anions, I	on Chroma	tography -	Soluble					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Chloride	60.5		4.99	mg/Kg			07/20/23 10:22	
lient Sample ID: SS03						Lab Samp	le ID: 890-4	956-
ate Collected: 07/17/23 09:25							Matrix	: Soli
ate Received: 07/17/23 16:11								
ample Depth: 0.5								
Method: SW846 8021B - Volat	ile Organic	Compoun	ds (GC)					
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	< 0.00201	U	0.00201	mg/Kg		07/20/23 14:04	07/22/23 17:08	
Toluene	<0.00201	U	0.00201	mg/Kg		07/20/23 14:04	07/22/23 17:08	
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		07/20/23 14:04	07/22/23 17:08	
m-Xylene & p-Xylene	<0.00402	U	0.00402	mg/Kg		07/20/23 14:04	07/22/23 17:08	
o-Xylene	<0.00201	U	0.00201	mg/Kg		07/20/23 14:04	07/22/23 17:08	
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		07/20/23 14:04	07/22/23 17:08	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	89		70 - 130			07/20/23 14:04	07/22/23 17:08	
1,4-Difluorobenzene (Surr)	74		70 - 130			07/20/23 14:04	07/22/23 17:08	
Method: TAL SOP Total BTEX	- Total BTE	X Calculat	tion					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Total BTEX	<0.00402	U	0.00402	mg/Kg			07/24/23 09:30	
Method: SW846 8015 NM - Die	esel Range	Organics (DRO) (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Total TPH	<50.2	U	50.2	mg/Kg			07/28/23 11:50	
Method: SW846 8015B NM - D	liosol Range	Organics						
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Gasoline Range Organics	<50.2		50.2	mg/Kg		<u> </u>	07/27/23 16:13	
(GRO)-C6-C10 Diesel Range Organics (Over	<50.2	U	50.2	mg/Kg		07/20/23 15:43	07/27/23 16:13	
C10-C28) Oll Range Organics (Over C28-C36)	<50.2	U	50.2	mg/Kg		07/20/23 15:43	07/27/23 16:13	
Surrogate	%Recovery	Qualifier	Limits			Proparad	Analyzod	Dil Fa
1-Chlorooctane	%Recovery 122	Quaimer				Prepared	Analyzed 07/27/23 16:13	
r-Gniorooclane	122		10-130			01/20/23 15.43	01/21/23 10.13	

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07/20/23 15:43 07/27/23 16:13

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Job ID: 890-4956-1 SDG: 03C1558251

Lab Sample ID: 890-4956-3

Matrix: Solid

8/2/2023 (Rev. 1)

o-Terphenyl

70 - 130

103

5

5

Client Sample Results Client: Ensolum Job ID: 890-4956-1 Project/Site: PLU C-1 RECYCLE FACILITY SDG: 03C1558251 Client Sample ID: SS03 Lab Sample ID: 890-4956-4 Date Collected: 07/17/23 09:25 Matrix: Solid Date Received: 07/17/23 16:11 Sample Depth: 0.5 Method: EPA 300.0 - Anions, Ion Chromatography - Soluble **Result Qualifier** Analyte RL Unit D Prepared Analyzed Dil Fac 25.1 07/20/23 10:57 Chloride mg/Kg 2480 5 Client Sample ID: SS04 Lab Sample ID: 890-4956-5 Date Collected: 07/17/23 09:30 Matrix: Solid Date Received: 07/17/23 16:11 Sample Depth: 0.5 Method: SW846 8021B - Volatile Organic Compounds (GC) **Result Qualifier** RL Unit Prepared Analyzed Analyte D Dil Fac Benzene <0.00200 U 07/20/23 14:04 07/22/23 17:29 0.00200 mg/Kg 1 Toluene <0.00200 U 0.00200 mg/Kg 07/20/23 14:04 07/22/23 17:29 1 Ethylbenzene 07/20/23 14:04 07/22/23 17:29 <0.00200 U 0.00200 mg/Kg 1 m-Xylene & p-Xylene <0.00401 U 0.00401 mg/Kg 07/20/23 14:04 07/22/23 17:29 1 o-Xylene <0.00200 U 0.00200 mg/Kg 07/20/23 14:04 07/22/23 17:29 1 07/20/23 14:04 07/22/23 17:29 Xylenes, Total <0.00401 U 0.00401 mg/Kg 1 Dil Fac Surrogate %Recovery Qualifier Limits Prepared Analyzed 4-Bromofluorobenzene (Surr) 94 70 - 130 07/20/23 14:04 07/22/23 17:29 75 70 - 130 1,4-Difluorobenzene (Surr) 07/20/23 14:04 07/22/23 17:29 Method: TAL SOP Total BTEX - Total BTEX Calculation Unit D Analyte **Result Qualifier** RL Prepared Analyzed Dil Fac Total BTEX <0.00401 U 0.00401 mg/Kg 07/24/23 09:30 1 Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC) **Result Qualifier** Unit D Analyte RL Prepared Analyzed Dil Fac Total TPH <49.9 U 49.9 mg/Kg 07/28/23 11:50 1 Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) Analyte **Result Qualifier** RL Unit D Prepared Analyzed Dil Fac <49.9 U 07/20/23 15:43 07/27/23 16:34 Gasoline Range Organics 49.9 mg/Kg (GRO)-C6-C10 07/20/23 15:43 07/27/23 16:34 **Diesel Range Organics (Over** <49.9 U 49.9 mg/Kg 1 C10-C28) Oll Range Organics (Over C28-C36) <49.9 U 49 9 mg/Kg 07/20/23 15:43 07/27/23 16:34 1 Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac 1-Chlorooctane 70 - 130 07/20/23 15:43 07/27/23 16:34 118 1 o-Terphenyl 101 70 - 130 07/20/23 15:43 07/27/23 16:34 1 Method: EPA 300.0 - Anions, Ion Chromatography - Soluble Analyte **Result Qualifier** Unit D RL Prepared Analyzed Dil Fac 07/20/23 11:02 Chloride 802 5.03 mg/Kg

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Client: Ensolum Project/Site: PLU C-1 RECYCLE FACILITY

Client Sample ID: SS05 Date Collected: 07/17/23 09:35 Date Received: 07/17/23 16:11 Sample Depth: 0.5

Job ID: 890-

Job ID: 890-4956-1 SDG: 03C1558251

Lab Sample ID: 890-4956-6

Matrix: Solid

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Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0.00202	U	0.00202	mg/Kg		07/20/23 14:04	07/22/23 17:49	
Toluene	<0.00202	U	0.00202	mg/Kg		07/20/23 14:04	07/22/23 17:49	
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		07/20/23 14:04	07/22/23 17:49	
m-Xylene & p-Xylene	< 0.00404	U	0.00404	mg/Kg		07/20/23 14:04	07/22/23 17:49	
o-Xylene	<0.00202	U	0.00202	mg/Kg		07/20/23 14:04	07/22/23 17:49	
Xylenes, Total	<0.00404	U	0.00404	mg/Kg		07/20/23 14:04	07/22/23 17:49	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	89		70 - 130			07/20/23 14:04	07/22/23 17:49	
1,4-Difluorobenzene (Surr)	70		70 - 130			07/20/23 14:04	07/22/23 17:49	
Method: TAL SOP Total BTE	(- Total BTE	X Calculat	ion					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Total BTEX	<0.00404	U	0.00404	mg/Kg			07/24/23 09:30	
Method: SW846 8015 NM - Di	esel Range	Organics (DRO) (GC)					
Analyte	-	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Total TPH	<49.6	U	49.6	mg/Kg			07/28/23 11:50	
Method: SW846 8015B NM - I	Diesel Range	• Organics	(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		07/20/23 15:43	07/27/23 16:56	
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6	mg/Kg		07/20/23 15:43	07/27/23 16:56	
Oll Range Organics (Over C28-C36)	<49.6	U	49.6	mg/Kg		07/20/23 15:43	07/27/23 16:56	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
1-Chlorooctane	120		70 - 130			07/20/23 15:43	07/27/23 16:56	
o-Terphenyl	102		70 - 130			07/20/23 15:43	07/27/23 16:56	
Method: EPA 300.0 - Anions,	Ion Chroma	tography -	Soluble					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Chloride	3080		25.0	mg/Kg			07/20/23 11:07	
lient Sample ID: SS06						Lab Samp	le ID: 890-4	956-7
ate Collected: 07/17/23 09:40						-	Matrix	: Solid
ate Received: 07/17/23 16:11								
ample Depth: 0.5								
Method: SW846 8021B - Vola	-							
Method: SW846 8021B - Vola Analyte	Result	Qualifier		Unit	D	Prepared	Analyzed	Dil Fa
Method: SW846 8021B - Vola Analyte	Result <0.00199	Qualifier	RL 0.00199	mg/Kg	D	07/20/23 14:04	07/22/23 18:10	Dil Fa
Method: SW846 8021B - Vola Analyte Benzene Toluene	Result	Qualifier	RL 0.00199 0.00199		<u>D</u>	07/20/23 14:04 07/20/23 14:04	07/22/23 18:10 07/22/23 18:10	
Method: SW846 8021B - Vola Analyte Benzene Toluene	Result <0.00199	Qualifier U U	RL 0.00199	mg/Kg	<u>D</u>	07/20/23 14:04 07/20/23 14:04	07/22/23 18:10	
Method: SW846 8021B - Vola Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene	Result <0.00199	Qualifier U U U	RL 0.00199 0.00199	mg/Kg mg/Kg	<u>D</u>	07/20/23 14:04 07/20/23 14:04 07/20/23 14:04	07/22/23 18:10 07/22/23 18:10	

 Xylenes, Total
 <0.00398</th>
 U
 0.00398
 mg/Kg
 07/20/23
 14:04
 07/22/23
 18:10

 Surrogate
 %Recovery
 Qualifier
 Limits
 Prepared
 Analyzed

 4-Bromofluorobenzene (Surr)
 90
 70 - 130
 70 - 130
 07/20/23
 14:04
 07/22/23
 18:10

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Released to Imaging: 6/7/2024 11:34:08 AM

1

1

Dil Fac

Limits

70 - 130

RL

RL

0.00398

Client: Ensolum Project/Site: PLU C-1 RECYCLE FACILITY

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)

%Recovery Qualifier

Result Qualifier

Result Qualifier

72

<0.00398 U

Client Sample ID: SS06

Sample Depth: 0.5

1,4-Difluorobenzene (Surr)

Surrogate

Analyte

Analyte

Analyte

Benzene

Toluene

o-Xylene

Total TPH

Total BTEX

Date Collected: 07/17/23 09:40 Date Received: 07/17/23 16:11

Job ID: 890-4956-1 SDG: 03C1558251

Lab Sample ID: 890-4956-7

Analyzed

Analyzed

07/24/23 09:30

Analyzed

Lab Sample ID: 890-4956-8

Analvzed

Matrix: Solid

Dil Fac

1

1

1

1

1

1

1

1

Dil Fac

07/20/23 14:04 07/22/23 18:10

Prepared

Prepared

Prepared

Prepared

07/20/23 14:04 07/22/23 18:30

07/20/23 14:04 07/22/23 18:30

D

D

Matrix: Solid

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Dil Fac

Dil Fac

Dil Fac

Total TPH	<50.0	U	50.0	mg/Kg			07/28/23 11:50	1	
Method: SW846 8015B NM a Analyte		e Organics Qualifier	s (DRO) (GC) _{RL}	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		07/20/23 15:43	07/27/23 17:18	1	
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		07/20/23 15:43	07/27/23 17:18	1	
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		07/20/23 15:43	07/27/23 17:18	1	13
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1-Chlorooctane	130		70 - 130			07/20/23 15:43	07/27/23 17:18	1	
o-Terphenyl	113		70 - 130			07/20/23 15:43	07/27/23 17:18	1	
Method: EPA 300.0 - Anions	s, Ion Chroma	tography -	- Soluble						
Analyte	Result	Qualifier	RI	Unit	П	Prenared	Analyzed	Dil Fac	

Unit

Unit

mg/Kg

	Analyte			Unit	U	Frepareu	Analyzeu	DIFAC
l	Chloride	1580	25.1	mg/Kg			07/20/23 11:12	5

Client Sample ID: SS02 Date Collected: 07/17/23 10:40 Date Received: 07/17/23 16:11

Sample Depth: 0.5 Method: SW846 8021B - Volatile Organic Compounds (GC) Result Qualifier RL Unit D Prepared Analyzed <0.00202 U 0.00202 mg/Kg 07/20/23 14:04 07/22/23 18:30 <0.00202 U 0.00202 mg/Kg 07/20/23 14:04 07/22/23 18:30 Ethylbenzene <0.00202 U 0.00202 mg/Kg 07/20/23 14:04 07/22/23 18:30 m-Xylene & p-Xylene <0.00403 U 0.00403 mg/Kg 07/20/23 14:04 07/22/23 18:30 <0.00202 U 0.00202 mg/Kg 07/20/23 14:04 07/22/23 18:30 <0.00403 U 0.00403 Xylenes, Total mg/Kg 07/20/23 14:04 07/22/23 18:30

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	95	70 - 130
1,4-Difluorobenzene (Surr)	80	70 - 130

Method: TAL SOP Total BTEX	- Total BTE	X Calculat	ion					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403	mg/Kg			07/24/23 09:30	1
Method: SW846 8015 NM - Die	sel Range (Organics (DRO) (GC)					
Analyte	-	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.4	U	50.4	mg/Kg			07/28/23 11:50	1

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Client: Ensolum Project/Site: PLU C-1 RECYCLE FACILITY

Client Sample ID: SS02 Date Collected: 07/17/23 10:40

Date Received: 07/17/23 16:11

Samp	le De	pth:	0.5

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.4	U	50.4	mg/Kg		07/20/23 15:43	07/27/23 17:40	1
Diesel Range Organics (Over C10-C28)	<50.4	U	50.4	mg/Kg		07/20/23 15:43	07/27/23 17:40	1
Oll Range Organics (Over C28-C36)	<50.4	U	50.4	mg/Kg		07/20/23 15:43	07/27/23 17:40	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	130		70 - 130			07/20/23 15:43	07/27/23 17:40	1
o-Terphenyl	112		70 - 130			07/20/23 15:43	07/27/23 17:40	1
Method: EPA 300.0 - Anions, Analyte		tography - Qualifier	Soluble RL	Unit	D	Prepared	Analyzed	Dil Fac
				Unit mg/Kg	D	Prepared	Analyzed 07/20/23 11:17	Dil Fac
Analyte Chloride	Result		RL		D	·		
Analyte Chloride Client Sample ID: SS08 Date Collected: 07/17/23 10:45	Result		RL		<u>D</u>	·	07/20/23 11:17	9 56-9
Analyte Chloride Client Sample ID: SS08 Date Collected: 07/17/23 10:45 Date Received: 07/17/23 16:11	Result		RL		D	·	07/20/23 11:17	956-9
Analyte Chloride Client Sample ID: SS08 Date Collected: 07/17/23 10:45 Date Received: 07/17/23 16:11	Result 2210	Qualifier	<u>RL</u> 25.0		D	·	07/20/23 11:17	5
Analyte Chloride Client Sample ID: SS08 Date Collected: 07/17/23 10:45 Date Received: 07/17/23 16:11 Sample Depth: 0.5 Method: SW846 8021B - Volat	Result 2210	Qualifier	<u>RL</u> 25.0		D	·	07/20/23 11:17	9 56-9
Analyte Chloride Client Sample ID: SS08 Date Collected: 07/17/23 10:45 Date Received: 07/17/23 16:11 Sample Depth: 0.5	Result 2210	Qualifier Compoun Qualifier	RL 25.0	mg/Kg		Lab Samp	07/20/23 11:17 le ID: 890-4 Matrix	5 956-9 :: Solid
Analyte Chloride Client Sample ID: SS08 Date Collected: 07/17/23 10:45 Date Received: 07/17/23 16:11 Sample Depth: 0.5 Method: SW846 8021B - Volat Analyte	Result 2210	Qualifier Compoun Qualifier U	RL 25.0	mg/Kg		Lab Samp	07/20/23 11:17 le ID: 890-4 Matrix	5 956-9 :: Solid

Surrogate 4-Bromofluorobenzene (Surr)	%Recovery	Qualifier	Limits		Prepared 07/20/23 14:04	Analyzed 07/22/23 18:51
Xylenes, Total	<0.00399	U	0.00399	mg/Kg	07/20/23 14:04	07/22/23 18:51
o-Xylene	<0.00200	U	0.00200	mg/Kg	07/20/23 14:04	07/22/23 18:51
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg	07/20/23 14:04	07/22/23 18:51
Luiyibenzene	~0.00200	0	0.00200	mg/ng	01/20/23 14.04	01122120 10

Method: TAL SOP Total BTE	X - Total BTEX Calculation		
Analyte	Result Qualifier	RL	

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			07/24/23 09:30	1

Method: SW846 8015 NM - Diesel R	ange (Drganics (DRC) (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Total TPH	<50.4	U	50.4	mg/Kg			07/28/23 11:50	1	
Method: SW846 8015B NM - Diesel Analyte		Organics (DR Qualifier	. <mark>O) (GC)</mark> RL	Unit	D	Prepared	Analyzed	Dil Fac	

Gasoline Range Organics	<50.4	U	50.4	mg/Kg	07/20/23 15:43	07/27/23 18:02	1
(GRO)-C6-C10							
Diesel Range Organics (Over	<50.4	U	50.4	mg/Kg	07/20/23 15:43	07/27/23 18:02	1
C10-C28)	-50.4		50.4		07/00/00 45 40	07/07/00 40 00	
Oll Range Organics (Over C28-C36)	<50.4	U	50.4	mg/Kg	07/20/23 15:43	07/27/23 18:02	1
Surrogate	%Recovery	Qualifier	Limits		Prepared	Analyzed	Dil Fac
1-Chlorooctane	129		70 - 130		07/20/23 15:43	07/27/23 18:02	1
o-Terphenyl	113		70 - 130		07/20/23 15:43	07/27/23 18:02	1

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Job ID: 890-4956-1 SDG: 03C1558251

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Dil Fac

5

Client Sample Results Client: Ensolum Job ID: 890-4956-1 Project/Site: PLU C-1 RECYCLE FACILITY SDG: 03C1558251 Client Sample ID: SS08 Lab Sample ID: 890-4956-9 Date Collected: 07/17/23 10:45 Matrix: Solid Date Received: 07/17/23 16:11 Sample Depth: 0.5 Method: EPA 300.0 - Anions, Ion Chromatography - Soluble **Result Qualifier** Analyte RL Unit D Prepared Analyzed Dil Fac 4.99 07/20/23 11:22 Chloride mg/Kg 40.1 Lab Sample ID: 890-4956-10 Client Sample ID: SS09 Date Collected: 07/17/23 10:50 Matrix: Solid Date Received: 07/17/23 16:11 Sample Depth: 0.5 Method: SW846 8021B - Volatile Organic Compounds (GC) **Result Qualifier** RL Unit Prepared Analyzed Analyte D Dil Fac Benzene <0.00202 U 07/20/23 14:04 07/22/23 19:11 0.00202 mg/Kg 1 Toluene <0.00202 U 0.00202 mg/Kg 07/20/23 14:04 07/22/23 19:11 1 Ethylbenzene 07/20/23 14:04 07/22/23 19:11 <0.00202 U 0.00202 mg/Kg 1 m-Xylene & p-Xylene <0.00403 U 0.00403 mg/Kg 07/20/23 14:04 07/22/23 19:11 1 o-Xylene <0.00202 U 0.00202 mg/Kg 07/20/23 14:04 07/22/23 19:11 1 07/20/23 14:04 07/22/23 19:11 Xylenes, Total <0.00403 U 0.00403 mg/Kg 1 Dil Fac Surrogate %Recovery Qualifier Limits Prepared Analyzed 4-Bromofluorobenzene (Surr) 77 70 - 130 07/20/23 14:04 07/22/23 19:11 77 70 - 130 1,4-Difluorobenzene (Surr) 07/20/23 14:04 07/22/23 19:11 Method: TAL SOP Total BTEX - Total BTEX Calculation Unit Analyte **Result Qualifier** RL D Prepared Analyzed Dil Fac Total BTEX <0.00403 U 0.00403 mg/Kg 07/24/23 09:30 1 Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC) **Result Qualifier** Unit D Analyte RL Prepared Analyzed Dil Fac Total TPH <50.3 U 50.3 mg/Kg 07/28/23 11:50 1 Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) Analyte **Result Qualifier** RL Unit D Prepared Analyzed Dil Fac <50.3 U 07/20/23 15:43 07/27/23 18:24 Gasoline Range Organics 50.3 mg/Kg (GRO)-C6-C10 50.3 07/20/23 15:43 07/27/23 18:24 **Diesel Range Organics (Over** <50.3 U mg/Kg 1 C10-C28) Oll Range Organics (Over C28-C36) 50.3 <50.3 U mg/Kg 07/20/23 15:43 07/27/23 18:24 1 Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac 1-Chlorooctane 70 - 130 07/20/23 15:43 07/27/23 18:24 125 1 o-Terphenyl 107 70 - 130 07/20/23 15:43 07/27/23 18:24 1 Method: EPA 300.0 - Anions, Ion Chromatography - Soluble Analyte **Result Qualifier** Unit D RL Prepared Analyzed Dil Fac 07/20/23 11:28 Chloride 38.9 4.98 mg/Kg

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Client: Ensolum Project/Site: PLU C-1 RECYCLE FACILITY

Client Sample ID: SS10 Date Collected: 07/17/23 10:55 Date Received: 07/17/23 16:11 Sample Depth: 0.5

Client Sample ID: SS10				Lab Sample ID: 890-49				
Date Collected: 07/17/23 10:	55					- Matrix: Solid		
Date Received: 07/17/23 16:1	11							
Sample Depth: 0.5								
Method: SW846 8021B - Vo	latile Organic Compounds	(GC)						
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	

Analyte	Result	Quanner		Unit		Fiepaieu	Analyzeu	Dirrac
Benzene	<0.00199	U	0.00199	mg/Kg		07/20/23 14:04	07/22/23 19:32	1
Toluene	0.00277		0.00199	mg/Kg		07/20/23 14:04	07/22/23 19:32	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		07/20/23 14:04	07/22/23 19:32	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		07/20/23 14:04	07/22/23 19:32	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		07/20/23 14:04	07/22/23 19:32	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		07/20/23 14:04	07/22/23 19:32	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	81		70 - 130			07/20/23 14:04	07/22/23 19:32	1
1,4-Difluorobenzene (Surr)	93		70 - 130			07/20/23 14:04	07/22/23 19:32	1
 Method: TAL SOP Total BTEX	(- Total BTE	X Calculat	ion					
	Beault	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Analyte	Result	quanner			_			
Analyte Total BTEX	<0.00398		0.00398	mg/Kg			07/24/23 09:30	1
Total BTEX	<0.00398	U	0.00398					1
	<0.00398	U	0.00398		 D	Prepared		1 Dil Fac
Total BTEX Method: SW846 8015 NM - Die	<0.00398	Organics (Qualifier	0.00398 DRO) (GC)	mg/Kg		<u>·</u>	07/24/23 09:30	1 Dil Fac 1
Total BTEX Method: SW846 8015 NM - Die Analyte Total TPH	<0.00398 esel Range (Result <49.6	U Organics (Qualifier U	0.00398 DRO) (GC) RL 49.6	mg/Kg Unit		<u>·</u>	07/24/23 09:30 Analyzed	1 Dil Fac 1
Total BTEX Method: SW846 8015 NM - Die Analyte	colored col	U Organics (Qualifier U	0.00398 DRO) (GC) RL 49.6	mg/Kg Unit		<u>·</u>	07/24/23 09:30 Analyzed	1 Dil Fac 1 Dil Fac
Total BTEX Method: SW846 8015 NM - Die Analyte Total TPH Method: SW846 8015B NM - D	colored col	U Organics (Qualifier U Organics Qualifier	0.00398 DRO) (GC) RL 49.6 (DRO) (GC)	unit mg/Kg	D	Prepared	07/24/23 09:30 Analyzed 07/28/23 11:50 Analyzed	1
Total BTEX Method: SW846 8015 NM - Die Analyte Total TPH Method: SW846 8015B NM - Die Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	<0.00398 esel Range (Result <49.6 Diesel Range (Result	U Organics (Qualifier U Organics Qualifier U	0.00398 DRO) (GC) RL 49.6 (DRO) (GC) RL	Unit mg/Kg Unit Unit	D	Prepared Prepared 07/20/23 15:43	07/24/23 09:30 Analyzed 07/28/23 11:50 Analyzed	1
Total BTEX Method: SW846 8015 NM - Die Analyte Total TPH Method: SW846 8015B NM - E Analyte Gasoline Range Organics (GRO)-C6-C10	colored col	U Organics (Qualifier U Organics Qualifier U U	0.00398 DRO) (GC) RL 49.6 (DRO) (GC) RL 49.6	Unit mg/Kg mg/Kg Unit mg/Kg	D	Prepared Prepared 07/20/23 15:43 07/20/23 15:43	07/24/23 09:30 Analyzed 07/28/23 11:50 Analyzed 07/27/23 18:46	1
Total BTEX Method: SW846 8015 NM - Die Analyte Total TPH Method: SW846 8015B NM - Die Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	<0.00398 esel Range (Result <49.6 Diesel Range (Result <49.6 <p< td=""><td>U Organics (Qualifier U Organics Qualifier U U U</td><td>0.00398 DRO) (GC) RL 49.6 (DRO) (GC) RL 49.6 49.6</td><td>Unit mg/Kg mg/Kg Unit mg/Kg mg/Kg</td><td> D</td><td>Prepared Prepared 07/20/23 15:43 07/20/23 15:43</td><td>07/24/23 09:30 Analyzed 07/28/23 11:50 Analyzed 07/27/23 18:46 07/27/23 18:46</td><td>1 Dil Fac 1</td></p<>	U Organics (Qualifier U Organics Qualifier U U U	0.00398 DRO) (GC) RL 49.6 (DRO) (GC) RL 49.6 49.6	Unit mg/Kg mg/Kg Unit mg/Kg mg/Kg	D	Prepared Prepared 07/20/23 15:43 07/20/23 15:43	07/24/23 09:30 Analyzed 07/28/23 11:50 Analyzed 07/27/23 18:46 07/27/23 18:46	1 Dil Fac 1
Total BTEX Method: SW846 8015 NM - Die Analyte Total TPH Method: SW846 8015B NM - Die Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	<0.00398 esel Range (Result <49.6 Diesel Range Result <49.6 <	U Organics (Qualifier U Organics Qualifier U U U	0.00398 DRO) (GC) RL 49.6 (DRO) (GC) RL 49.6 49.6 49.6	Unit mg/Kg mg/Kg Unit mg/Kg mg/Kg	D	Prepared Prepared 07/20/23 15:43 07/20/23 15:43 07/20/23 15:43	07/24/23 09:30 Analyzed 07/28/23 11:50 Analyzed 07/27/23 18:46 07/27/23 18:46	1 Dil Fac 1 1 1
Total BTEX Method: SW846 8015 NM - Die Analyte Total TPH Method: SW846 8015B NM - Die Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate	<0.00398 esel Range (Result <49.6 Diesel Range Result <49.6							

Method: EPA 300.0 - Anions,	Ion Chromatography - S	ו Chromatography - Soluble					
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	50.5	5.01	mg/Kg			07/19/23 18:43	1

Client Sample ID: SS11 Date Collected: 07/17/23 11:00 Date Received: 07/17/23 16:11 Sample Depth: 0.5

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Method: SW846 8021B - Vo	latile Organic	Compoun	ds (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U F1 F2	0.00200	mg/Kg		07/20/23 14:20	07/22/23 22:37	1
Toluene	<0.00200	U F1 F2	0.00200	mg/Kg		07/20/23 14:20	07/22/23 22:37	1
Ethylbenzene	<0.00200	U F1 F2	0.00200	mg/Kg		07/20/23 14:20	07/22/23 22:37	1
m-Xylene & p-Xylene	<0.00399	U F1 F2	0.00399	mg/Kg		07/20/23 14:20	07/22/23 22:37	1
o-Xylene	<0.00200	U F1 F2	0.00200	mg/Kg		07/20/23 14:20	07/22/23 22:37	1
Xylenes, Total	<0.00399	U F1 F2	0.00399	mg/Kg		07/20/23 14:20	07/22/23 22:37	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	80		70 - 130			07/20/23 14:20	07/22/23 22:37	1

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Lab Sample ID: 890-4956-12

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Job ID: 890-4956-1

SDG: 03C1558251

Matrix: Solid

Limits

70 - 130

0.00399

RL

RL

49.6

Unit

Unit

Unit

mg/Kg

mg/Kg

Client: Ensolum

Method: TAL SOP Total BTEX - Total BTEX Calculation

Project/Site: PLU C-1 RECYCLE FACILITY

Client Sample ID: SS11

Surrogate

Analyte

Analyte

Total TPH

Total BTEX

1,4-Difluorobenzene (Surr)

Date Collected: 07/17/23 11:00 Date Received: 07/17/23 16:11 Sample Depth: 0.5

Lab Sample ID: 890-4956-12

07/20/23 14:20 07/22/23 22:37

Analyzed

Analyzed

07/24/23 09:30

Analyzed

Lab Sample ID: 890-4956-13

Prepared

Prepared

Prepared

Prepared

D

D

D

Matrix: Solid

Dil Fac

Dil Fac

Dil Fac

	1	07/28/23 11:50
	Dil Fac	Analyzed
	1	07/27/23 19:07 07/27/23 19:07
1	1	07/27/23 19:07
		Analyzad

Matrix: Solid

Analyte	Result	Qualifier	RL	
Gasoline Range Organics	<49.6	U	49.6	

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

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

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

%Recovery Qualifier

Result Qualifier

Result Qualifier

<49.6 U

94

<0.00399 U

Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6	mg/Kg	07/20/23 15:43	07/27/23 19:07	1
Diesel Range Organics (Over	<49.6	U	49.6	mg/Kg	07/20/23 15:43	07/27/23 19:07	1
C10-C28) Oll Range Organics (Over C28-C36)	<49.6	U	49.6	mg/Kg	07/20/23 15:43	07/27/23 19:07	1
Surrogate	%Recovery	Qualifier	Limits		Prepared	Analyzed	Dil Fac
1-Chlorooctane	111		70 - 130		07/20/23 15:43	07/27/23 19:07	1
o-Terphenyl	95		70 - 130		07/20/23 15:43	07/27/23 19:07	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble										
	Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
l	Chloride	29.7		4.99	mg/Kg			07/19/23 18:48	1	

Client Sample ID: SS12 Date Collected: 07/17/23 13:00 Date Received: 07/17/23 16:11 Sample Depth: 0.5

Method: SW846 8021B - Volatile Organic Compounds (GC) Analyte Result Qualifier RL Unit D Prepared Dil Fac Analyzed Benzene < 0.00201 Ū 0.00201 mg/Kg 07/20/23 14:20 07/22/23 22:57 Toluene <0.00201 U 0.00201 mg/Kg 07/20/23 14:20 07/22/23 22:57 1 Ethylbenzene <0.00201 U 0.00201 mg/Kg 07/20/23 14:20 07/22/23 22:57 m-Xylene & p-Xylene <0.00402 U 0.00402 mg/Kg 07/20/23 14:20 07/22/23 22:57 1 o-Xylene <0.00201 U 0.00201 mg/Kg 07/20/23 14:20 07/22/23 22:57 1 Xylenes, Total <0.00402 U 0.00402 mg/Kg 07/20/23 14:20 07/22/23 22:57 1 Surrogate %Recoverv Qualifier Limits Prepared Analvzed Dil Fac 82 70 - 130 07/20/23 14:20 07/22/23 22:57 4-Bromofluorobenzene (Surr) 1 1,4-Difluorobenzene (Surr) 81 70 - 130 07/20/23 14:20 07/22/23 22:57 1 Method: TAL SOP Total BTEX - Total BTEX Calculation Analvte **Result Qualifier** RL Unit D Analyzed Dil Fac Prepared Total BTEX <0.00402 U 0.00402 mg/Kg 07/24/23 09:30 1 Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC) Analyte **Result Qualifier** RL Unit D Prepared Analyzed Dil Fac Total TPH <50.0 U 50.0 mg/Kg 07/28/23 11:50 1

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Client: Ensolum Project/Site: PLU C-1 RECYCLE FACILITY

Client Sample ID: SS12 Date Collected: 07/17/23 13:00

Date Received: 07/17/23 16:11

Sample Depth: 0.5

Method: SW846 8015B NM - I	Diesel Range	• Organics	6 (DRO) (GC)					
Analyte	_	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		07/20/23 15:43	07/27/23 19:29	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		07/20/23 15:43	07/27/23 19:29	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		07/20/23 15:43	07/27/23 19:29	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	108		70 - 130			07/20/23 15:43	07/27/23 19:29	1
o-Terphenyl	91		70 /00				07/07/00 10 00	
0-Terphenyi	91		70 - 130			07/20/23 15:43	07/27/23 19:29	1
Method: EPA 300.0 - Anions,		tography -				07/20/23 15:43	07/27/23 19:29	1
	Ion Chroma	t <mark>ography</mark> - Qualifier		Unit	D	07/20/23 15:43 Prepared	Analyzed	ז Dil Fac

Job ID: 890-4956-1 SDG: 03C1558251

Matrix: Solid

5

3

Lab Sample ID: 890-4956-13

Surrogate Summary

Client: Ensolum Project/Site: PLU C-1 RECYCLE FACILITY

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

_			Pe	ercent Surrogate Recovery (Acceptance Limits)
		BFB1	DFBZ1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
890-4956-1	SS01	92	77	
890-4956-2	SS01A	78	92	
890-4956-3	SS07	75	86	
890-4956-4	SS03	89	74	
890-4956-5	SS04	94	75	
890-4956-6	SS05	89	70	
890-4956-7	SS06	90	72	
890-4956-8	SS02	95	80	
890-4956-9	SS08	91	79	
890-4956-10	SS09	77	77	
890-4956-11	SS10	81	93	
890-4956-12	SS11	80	94	
890-4956-12 MS	SS11	105	109	
890-4956-12 MSD	SS11	67 S1-	102	
890-4956-13	SS12	82	81	
LCS 880-58152/1-A	Lab Control Sample	113	104	
LCS 880-58153/1-A	Lab Control Sample	107	103	
LCSD 880-58152/2-A	Lab Control Sample Dup	111	105	
LCSD 880-58153/2-A	Lab Control Sample Dup	114	107	
MB 880-58152/5-A	Method Blank	72	87	
MB 880-58153/5-A	Method Blank	73	89	

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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

			Per	rcent Surrogate Reco
		1CO1	OTPH1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
890-4929-A-1-D MS	Matrix Spike	147 S1+	119	
890-4929-A-1-E MSD	Matrix Spike Duplicate	144 S1+	112	
890-4956-1	SS01	130	114	
890-4956-2	SS01A	131 S1+	117	
890-4956-3	SS07	126	111	
890-4956-4	SS03	122	103	
890-4956-5	SS04	118	101	
890-4956-6	SS05	120	102	
890-4956-7	SS06	130	113	
890-4956-8	SS02	130	112	
890-4956-9	SS08	129	113	
890-4956-10	SS09	125	107	
890-4956-11	SS10	105	99	
890-4956-12	SS11	111	95	
890-4956-13	SS12	108	91	
LCS 880-58169/2-A	Lab Control Sample	112	105	
LCSD 880-58169/3-A	Lab Control Sample Dup	102	92	
MB 880-58169/1-A	Method Blank	162 S1+	150 S1+	

Prep Type: Total/NA

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Job ID: 890-4956-1 SDG: 03C1558251

Prep Type: Total/NA

5 6 Received by OCD: 6/4/2024 9:36:12 AM

Surrogate Summary

Client: Ensolum Project/Site: PLU C-1 RECYCLE FACILITY

Surrogate Legend

1CO = 1-Chlorooctane OTPH = o-Terphenyl ._

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Job ID: 890-4956-1 SDG: 03C1558251

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Client: Ensolum Project/Site: PLU C-1 RECYCLE FACILITY

Lab Sample ID: MB 880-58152/5-A

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analysis Batch: 58267							Prep Batch:	58152
	MB	MB						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	< 0.00200	U	0.00200	mg/Kg		07/20/23 14:04	07/22/23 11:37	1
Toluene	<0.00200	U	0.00200	mg/Kg		07/20/23 14:04	07/22/23 11:37	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		07/20/23 14:04	07/22/23 11:37	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		07/20/23 14:04	07/22/23 11:37	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		07/20/23 14:04	07/22/23 11:37	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		07/20/23 14:04	07/22/23 11:37	1
	MB	МВ						
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	72		70 - 130			07/20/23 14:04	07/22/23 11:37	1
1,4-Difluorobenzene (Surr)	87		70 - 130			07/20/23 14:04	07/22/23 11:37	1

Lab Sample ID: LCS 880-58152/1-A Matrix: Solid Analysis Batch: 58267

Analysis Batch: 58267							Prep Batch: 58152
	Spike	LCS	LCS				%Rec
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits
Benzene	0.100	0.1155		mg/Kg		116	70 - 130
Toluene	0.100	0.1017		mg/Kg		102	70 - 130
Ethylbenzene	0.100	0.1131		mg/Kg		113	70 - 130
m-Xylene & p-Xylene	0.200	0.2400		mg/Kg		120	70 - 130
o-Xylene	0.100	0.1176		mg/Kg		118	70 - 130

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	113		70 - 130
1,4-Difluorobenzene (Surr)	104		70 - 130

Lab Sample ID: LCSD 880-58152/2-A Matrix: Solid

Analysis Batch: 58267

Analysis Batch: 58267						atch:			
	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.100	0.1134		mg/Kg		113	70 - 130	2	35
Toluene	0.100	0.09565		mg/Kg		96	70 - 130	6	35
Ethylbenzene	0.100	0.1082		mg/Kg		108	70 - 130	4	35
m-Xylene & p-Xylene	0.200	0.2268		mg/Kg		113	70 - 130	6	35
o-Xylene	0.100	0.1115		mg/Kg		111	70 - 130	5	35

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	111		70 - 130
1,4-Difluorobenzene (Surr)	105		70 - 130

Lab Sample ID: MB 880-58153/5-A Matrix: Solid . ____

Analysis Batch: 58267							Prep Batch:	58153
	MB	MB						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg	. —	07/20/23 14:20	07/22/23 22:15	1
Toluene	<0.00200	U	0.00200	mg/Kg		07/20/23 14:20	07/22/23 22:15	1

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Prep Type: Total/NA

Client Sample ID: Method Blank

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Prep Type: Total/NA

Prep Type: Total/NA

Prep Type: Total/NA

Client Sample ID: Method Blank

Client Sample ID: Lab Control Sample

Client Sample ID: Lab Control Sample Dup

<i>Released to Imaging: 6/7/2024 11:34:08 AM</i>	Released	to Imagin	g: 6/7/2024	11:34:08 AM
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Matrix: Solid

Analyte

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Analysis Batch: 58267

QC Sample Results

Client: Ensolum Project/Site: PLU C-1 RECYCLE FACILITY

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

Lab Sample ID: MB 880-58153/5-A **Client Sample ID: Method Blank** Prep Type: Total/NA Prep Batch: 58153 MB MB **Result Qualifier** RL Unit D Prepared Analyzed Dil Fac ____ 07/00/00 44.00 07/00/00 00.45

1,4-Difluorobenzene (Surr)	89		70 - 130		07/20/23 14:20	07/22/23 22:15	1
4-Bromofluorobenzene (Surr)	73		70 - 130		07/20/23 14:20	07/22/23 22:15	1
Surrogate	%Recovery	Qualifier	Limits		Prepared	Analyzed	Dil Fac
	MB	МВ					
Xylenes, Total	<0.00400	U	0.00400	mg/Kg	07/20/23 14:20	07/22/23 22:15	1
o-Xylene	<0.00200	U	0.00200	mg/Kg	07/20/23 14:20	07/22/23 22:15	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg	07/20/23 14:20	07/22/23 22:15	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg	07/20/23 14:20	07/22/23 22:15	1

Lab Sample ID: LCS 880-58153/1-A Matrix: Solid Analysis Batch: 58267

-	Spike	LCS	LCS				%Rec
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits
Benzene	0.100	0.1275		mg/Kg		127	70 - 130
Toluene	0.100	0.1089		mg/Kg		109	70 - 130
Ethylbenzene	0.100	0.1194		mg/Kg		119	70 - 130
m-Xylene & p-Xylene	0.200	0.2473		mg/Kg		124	70 - 130
o-Xylene	0.100	0.1220		mg/Kg		122	70 - 130

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	107		70 - 130
1,4-Difluorobenzene (Surr)	103		70 - 130

Lab Sample ID: LCSD 880-58153/2-A **Matrix: Solid** Analysis Batch: 58267

Client Sample ID: Lab Control Sample Dup Prep Type: Total/NA Prep Batch: 58153

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 58153

Analysis Datch. 30207							гтер Б		0100
	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.100	0.1125		mg/Kg		113	70 - 130	12	35
Toluene	0.100	0.09756		mg/Kg		98	70 - 130	11	35
Ethylbenzene	0.100	0.1099		mg/Kg		110	70 - 130	8	35
m-Xylene & p-Xylene	0.200	0.2298		mg/Kg		115	70 - 130	7	35
o-Xylene	0.100	0.1139		mg/Kg		114	70 - 130	7	35

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	114		70 - 130
1,4-Difluorobenzene (Surr)	107		70 - 130

Lab Sample ID: 890-4956-12 MS Matrix: Solid Analysis Batch: 58267

Analysis Batch: 58267									Prep E	Batch: 58153
	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.00200	U F1 F2	0.0994	0.1079		mg/Kg		109	70 - 130	
Toluene	<0.00200	U F1 F2	0.0994	0.08779		mg/Kg		87	70 - 130	
Ethylbenzene	<0.00200	U F1 F2	0.0994	0.09645		mg/Kg		97	70 - 130	
m-Xylene & p-Xylene	<0.00399	U F1 F2	0.199	0.1954		mg/Kg		98	70 - 130	

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Client Sample ID: SS11

Prep Type: Total/NA

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m-Xylene & p-Xylene

QC Sample Results

Client: Ensolum Project/Site: PLU C-1 RECYCLE FACILITY

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

				/ \								
Lab Sample ID: 890-4956-12 MS								С	lient Sam	ple ID:	SS11	
Matrix: Solid									Prep Ty	pe: Tot	al/NA	
Analysis Batch: 58267									Prep E	Batch:	58153	
Sa	mple	Sample	Spike	MS	MS				%Rec			5
Analyte R	esult	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits			
o-Xylene <0.0	0200	U F1 F2	0.0994	0.09653		mg/Kg		97	70 - 130			
	MS	MS										
Surrogate %Reco	overy	Qualifier	Limits									7
4-Bromofluorobenzene (Surr)	105		70 - 130									
1,4-Difluorobenzene (Surr)	109		70 - 130									8
Lab Sample ID: 890-4956-12 MSD)							С	lient Sam	ple ID:	SS11	Q
Matrix: Solid									Prep Ty	pe: Tot	al/NA	3
Analysis Batch: 58267										Batch: {		
	mple	Sample	Spike	MSD	MSD				%Rec		RPD	
Analyte R	esult	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Benzene <0.0	0200	U F1 F2	0.0998	0.05218	F1 F2	mg/Kg		52	70 - 130	70	35	
Toluene <0.0	0200	U F1 F2	0.0998	0.04482	F1 F2	mg/Kg		44	70 - 130	65	35	
Ethylbenzene <0.0	0200	U F1 F2	0.0998	0.04466	F1 F2	mg/Kg		45	70 - 130	73	35	

0.08105 F1 F2

0.04170 F1 F2

mg/Kg

mg/Kg

40

41

70 - 130

70 - 130

83

79

35

35

o-Xylene	<0.00200	U F1 F2	0.0998
	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	67	S1-	70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

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

<0.00399 U F1 F2

Lab Sample ID: MB 880-58169 Matrix: Solid Analysis Batch: 58603	9/1-A						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		07/20/23 15:43	07/27/23 08:53	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		07/20/23 15:43	07/27/23 08:53	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		07/20/23 15:43	07/27/23 08:53	1
	MB	MB						
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	162	S1+	70 - 130			07/20/23 15:43	07/27/23 08:53	1
o-Terphenyl	150	S1+	70 - 130			07/20/23 15:43	07/27/23 08:53	1
Lab Sample ID: LCS 880-5816 Matrix: Solid	69/2-A				Clien		Lab Control S Prep Type: To	

0.200

Analysis Batch: 58603 Prep Batch: 58169 LCS LCS Spike %Rec Added **Result Qualifier** Analyte Unit D %Rec Limits Gasoline Range Organics 1000 1008 101 70 - 130 mg/Kg (GRO)-C6-C10 1000 1021 102 70 - 130 **Diesel Range Organics (Over** mg/Kg C10-C28)

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Job ID: 890-4956-1

SDG: 03C1558251

Client: Ensolum Project/Site: PLU C-1 RECYCLE FACILITY

Lab Sample ID: LCS 880-58169/2-A

Matrix: Solid

Analysis Batch: 58603

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

LCS LCS

Prep Type: Total/NA

Prep Batch: 58169

Client Sample ID: Lab Control Sample

5
7
8
9

RPD

Limit

20

20

2

4

Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	112		70 - 130								
o-Terphenyl	105		70 - 130								
Lab Sample ID: LCSD 880 Matrix: Solid Analysis Batch: 58603 Analyte Gasoline Range Organics (GRO)-C6-C10			Spike Added 1000	Result 957.9	C LCSD Qualifier	Unit mg/Kg	mple	%Rec 96	%Rec Limits 70 - 130	pe: Tot satch: & <u>RPD</u> 5	al/NA 58169 RPD Limit 20
Diesel Range Organics (Over C10-C28)			1000	964.6		mg/Kg		96	70 - 130	6	20
	LCSD	LCSD									
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	102		70 - 130								
o-Terphenyl	92		70 - 130								
0-respinenty	92		10 - 130								
Lab Sample ID: 890-4929 Matrix: Solid			70 - 730				CI	ient Sa	mple ID: I Prep Ty Prep E		al/NA
Lab Sample ID: 890-4929	-A-1-D MS	Sample	Spike	MS	MS		CI	ient Sa	Prep Ty	pe: Tot	al/NA
Lab Sample ID: 890-4929 Matrix: Solid	-A-1-D MS Sample	Sample Qualifier		-	MS Qualifier	Unit	CI	ient Sa %Rec	Prep Ty Prep E	pe: Tot	al/NA
Lab Sample ID: 890-4929 Matrix: Solid Analysis Batch: 58603	-A-1-D MS Sample	Qualifier	Spike	-	Qualifier	Unit mg/Kg			Prep Ty Prep E %Rec	pe: Tot	al/NA
Lab Sample ID: 890-4929 Matrix: Solid Analysis Batch: 58603 Analyte Gasoline Range Organics	-A-1-D MS Sample Result	Qualifier U F1	Spike Added	Result	Qualifier F1			%Rec	Prep Ty Prep E %Rec Limits	pe: Tot	al/NA
Lab Sample ID: 890-4929 Matrix: Solid Analysis Batch: 58603 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	-A-1-D MS Sample Result <50.1 <50.1	Qualifier U F1	Spike Added 996	Result 1476	Qualifier F1	mg/Kg		<u>%Rec</u> 147	Prep Ty Prep B %Rec Limits 70 - 130	pe: Tot	al/NA
Lab Sample ID: 890-4929 Matrix: Solid Analysis Batch: 58603 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	-A-1-D MS Sample Result <50.1 <50.1	Qualifier U F1 U F1 MS	Spike Added 996	Result 1476	Qualifier F1	mg/Kg		<u>%Rec</u> 147	Prep Ty Prep B %Rec Limits 70 - 130	pe: Tot	al/NA
Lab Sample ID: 890-4929 Matrix: Solid Analysis Batch: 58603 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	-A-1-D MS Sample Result <50.1 <50.1 %Recovery	Qualifier U F1 U F1 MS	Spike Added 996 996	Result 1476	Qualifier F1	mg/Kg		<u>%Rec</u> 147	Prep Ty Prep B %Rec Limits 70 - 130	pe: Tot	al/NA
Lab Sample ID: 890-4929 Matrix: Solid Analysis Batch: 58603 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate	-A-1-D MS Sample Result <50.1 <50.1 %Recovery	Qualifier U F1 U F1 MS Qualifier	Spike Added 996 996 Limits	Result 1476	Qualifier F1	mg/Kg		<u>%Rec</u> 147	Prep Ty Prep B %Rec Limits 70 - 130	pe: Tot	al/NA

Matrix: Solid Prep Type: Total/NA Analysis Batch: 58603 Prep Batch: 58169 Sample Sample Spike MSD MSD %Rec **Result Qualifier** Analyte Added **Result Qualifier** Limits RPD Unit D %Rec Gasoline Range Organics <50.1 UF1 996 1442 F1 mg/Kg 143 70 - 130 (GRO)-C6-C10 Diesel Range Organics (Over <50.1 UF1 996 1395 F1 mg/Kg 138 70 - 130 C10-C28)

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	144	S1+	70 - 130
o-Terphenyl	112		70 - 130

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Client: Ensolum Project/Site: PLU C-1 RECYCLE FACILITY

Lab Sample ID: MB 880-5802 Matrix: Solid	7/1 -A								Cli	ent Sam	ple ID: Meth Prep Type		
Analysis Batch: 58062			мр										
Analyte	P		MB Qualifier		RL		Unit		DF	repared	Analyzed		Dil Fac
Chloride		5.00			5.00		mg/K		<u> </u>	Tepareu			
		0.00	0		0.00		mg/rv	9			01/10/20 10.		
Lab Sample ID: LCS 880-5802 Matrix: Solid	27/2-A							Clie	ent Sa	mple ID	: Lab Contro Prep Type		
Analysis Batch: 58062													
				Spike		LCS	LCS				%Rec		
Analyte				Added			Qualifier	Unit	D	%Rec	Limits		
Chloride				250		240.6		mg/Kg		96	90 - 110		
Lab Sample ID: LCSD 880-58 Matrix: Solid	027/3-A						C	Client S	ample	ID: Lab	Control Sa Prep Type		
Analysis Batch: 58062				Onilia		1.000					%/ D = =		
Analyta				Spike Added		-	LCSD Qualifier	Unit	D	%Rec	%Rec Limits F	RPD	RPD Limit
Analyte				250		240.4	Quaimer	mg/Kg		96	90 - 110	0	20
				200		240.4		iiig/itg		50	50-110	0	20
Lab Sample ID: 880-30939-A- Matrix: Solid	9-B MS								С	lient Sa	mple ID: Mat Prep Type		
Analysis Batch: 58062													
	Sample		•	Spike		-	MS				%Rec		
Analyte	Result	Qua	alifier	Added			Qualifier	Unit	D	%Rec	Limits		
Chloride	11900			4970		16760		mg/Kg		98	90 - 110		
Lab Sample ID: 880-30939-A- Matrix: Solid Analysis Batch: 58062	9-C MSE)						Client	Samp	ole ID: M	latrix Spike Prep Type		
	Sample	San	nple	Spike		MSD	MSD				%Rec		RPD
Analyte	Result	Qua	alifier	Added		Result	Qualifier	Unit	D	%Rec	Limits F	RPD	Limit
Chloride	11900			4970		16790		mg/Kg		99	90 - 110	0	20
Lab Sample ID: MB 880-5801 Matrix: Solid	2/1-A								Cli	ent Sam	ple ID: Meth Prep Type		
Analysis Batch: 58102													
		MB	MB										
Analyte			Qualifier		RL		Unit		D_F	repared	Analyzed		Dil Fac
Analyte Chloride		esult 5.00			RL 5.00		<mark>Unit</mark> mg/K	g	<u>D</u> _ F	Prepared	- Analyzed		Dil Fac
Chloride Lab Sample ID: LCS 880-580	<							-			07/20/23 08:: : Lab Contro	34 ol Sa	1 Imple
Chloride Lab Sample ID: LCS 880-580 Matrix: Solid	<							-			07/20/23 08:	34 ol Sa	1 Imple
Chloride Lab Sample ID: LCS 880-580	<			 Spike		LCS		-			07/20/23 08:3 : Lab Contro Prep Type	34 ol Sa	1 Imple
Chloride Lab Sample ID: LCS 880-580 Matrix: Solid	<			Spike Added		-	mg/K	-		mple ID	07/20/23 08:: : Lab Contro	34 ol Sa	1 Imple
Chloride Lab Sample ID: LCS 880-580 Matrix: Solid Analysis Batch: 58102	<					-	LCS	Clie	ent Sa	mple ID	07/20/23 08:: Lab Contro Prep Type %Rec	34 ol Sa	1 Imple
Chloride Lab Sample ID: LCS 880-580 Matrix: Solid Analysis Batch: 58102 Analyte Chloride Lab Sample ID: LCSD 880-58	12/2-A			Added		Result	LCS Qualifier	Clie Unit mg/Kg	ent Sa	mple ID %Rec 93	07/20/23 08:3 Control Sale 07/20/23 08:3 07/20/23 08:3 Prep Type %Rec Limits 90 - 110 Control Sale	ol Sa e: Sc	1 Imple Iuble
Chloride Lab Sample ID: LCS 880-580 Matrix: Solid Analysis Batch: 58102 Analyte Chloride Lab Sample ID: LCSD 880-58 Matrix: Solid	12/2-A			Added		Result	LCS Qualifier	Clie Unit mg/Kg	ent Sa	mple ID %Rec 93	07/20/23 08: • Lab Contro Prep Type %Rec Limits 90 - 110	ol Sa e: Sc	1 Imple Iuble
Chloride Lab Sample ID: LCS 880-580 Matrix: Solid Analysis Batch: 58102 Analyte Chloride Lab Sample ID: LCSD 880-58	12/2-A			Added 250		Result 232.9	LCS Qualifier	Clie Unit mg/Kg	ent Sa	mple ID %Rec 93	07/20/23 08:3 Lab Contro Prep Type %Rec Limits 90 - 110 Control Sat Prep Type	ol Sa e: Sc	1 Mimple Muble
Chloride Lab Sample ID: LCS 880-580 Matrix: Solid Analysis Batch: 58102 Analyte Chloride Lab Sample ID: LCSD 880-58 Matrix: Solid	12/2-A			Added		Result 232.9	LCS Qualifier	Clie Unit mg/Kg	ent Sa	mple ID %Rec 93	07/20/23 08:3 Lab Contro Prep Type %Rec Limits 90 - 110 Control Sat Prep Type %Rec	ol Sa e: Sc	1 Imple Iuble

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Client: Ensolum Project/Site: PLU C-1 RECYCLE FACILITY Page 61 of 278

Job ID: 890-4956-1 SDG: 03C1558251

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 890-4956-1 Matrix: Solid	I MS							C	lient Sam Prep Ty	•		
Analysis Batch: 58102 Analyte Chloride	•	Sample Qualifier	Spike Added 249	-	MS Qualifier	Unit	D	%Rec 92	%Rec Limits 90 - 110			
Lab Sample ID: 890-4956-1 Matrix: Solid			243	233.3		mg/Kg			lient Sam Prep Ty	•		
Analysis Batch: 58102	•	Sample	Spike						%Rec		RPD	
Analyte Chloride	Result 71.7	Qualifier	Added	299.8	Qualifier	Unit mg/Kg	D	%Rec 92	Limits 90 - 110	RPD 0	Limit 20	

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Client: Ensolum Project/Site: PLU C-1 RECYCLE FACILITY

Job ID: 890-4956-1 SDG: 03C1558251

GC VOA

Prep Batch: 58152

rep Batch: 58152					
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4956-1		Total/NA	Solid	5035	<u>.</u>
890-4956-2	SS01A	Total/NA	Solid	5035	
890-4956-3	SS07	Total/NA	Solid	5035	
890-4956-4	SS03	Total/NA	Solid	5035	
890-4956-5	SS04	Total/NA	Solid	5035	
890-4956-6	SS05	Total/NA	Solid	5035	
890-4956-7	SS06	Total/NA	Solid	5035	
890-4956-8	SS02	Total/NA	Solid	5035	
890-4956-9	SS08	Total/NA	Solid	5035	
890-4956-10	SS09	Total/NA	Solid	5035	
890-4956-11	SS10	Total/NA	Solid	5035	
MB 880-58152/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-58152/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-58152/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Prep Batch: 58153

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4956-12	SS11	Total/NA	Solid	5035	
890-4956-13	SS12	Total/NA	Solid	5035	
MB 880-58153/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-58153/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-58153/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-4956-12 MS	SS11	Total/NA	Solid	5035	
890-4956-12 MSD	SS11	Total/NA	Solid	5035	

Analysis Batch: 58267

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4956-1	SS01	Total/NA	Solid	8021B	58152
890-4956-2	SS01A	Total/NA	Solid	8021B	58152
890-4956-3	SS07	Total/NA	Solid	8021B	58152
890-4956-4	SS03	Total/NA	Solid	8021B	58152
890-4956-5	SS04	Total/NA	Solid	8021B	58152
890-4956-6	SS05	Total/NA	Solid	8021B	58152
890-4956-7	SS06	Total/NA	Solid	8021B	58152
890-4956-8	SS02	Total/NA	Solid	8021B	58152
890-4956-9	SS08	Total/NA	Solid	8021B	58152
890-4956-10	SS09	Total/NA	Solid	8021B	58152
890-4956-11	SS10	Total/NA	Solid	8021B	58152
890-4956-12	SS11	Total/NA	Solid	8021B	58153
890-4956-13	SS12	Total/NA	Solid	8021B	58153
MB 880-58152/5-A	Method Blank	Total/NA	Solid	8021B	58152
MB 880-58153/5-A	Method Blank	Total/NA	Solid	8021B	58153
LCS 880-58152/1-A	Lab Control Sample	Total/NA	Solid	8021B	58152
LCS 880-58153/1-A	Lab Control Sample	Total/NA	Solid	8021B	58153
LCSD 880-58152/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	58152
LCSD 880-58153/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	58153
890-4956-12 MS	SS11	Total/NA	Solid	8021B	58153
890-4956-12 MSD	SS11	Total/NA	Solid	8021B	58153

Client: Ensolum Project/Site: PLU C-1 RECYCLE FACILITY

GC VOA

Analysis Batch: 58326

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4956-1	SS01	Total/NA	Solid	Total BTEX	
890-4956-2	SS01A	Total/NA	Solid	Total BTEX	
890-4956-3	SS07	Total/NA	Solid	Total BTEX	
890-4956-4	SS03	Total/NA	Solid	Total BTEX	
890-4956-5	SS04	Total/NA	Solid	Total BTEX	
890-4956-6	SS05	Total/NA	Solid	Total BTEX	
890-4956-7	SS06	Total/NA	Solid	Total BTEX	
390-4956-8	SS02	Total/NA	Solid	Total BTEX	
390-4956-9	SS08	Total/NA	Solid	Total BTEX	
390-4956-10	SS09	Total/NA	Solid	Total BTEX	
890-4956-11	SS10	Total/NA	Solid	Total BTEX	
890-4956-12	SS11	Total/NA	Solid	Total BTEX	
890-4956-13	SS12	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 58169

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4956-1	SS01	Total/NA	Solid	8015NM Prep	
890-4956-2	SS01A	Total/NA	Solid	8015NM Prep	
890-4956-3	SS07	Total/NA	Solid	8015NM Prep	
890-4956-4	SS03	Total/NA	Solid	8015NM Prep	
890-4956-5	SS04	Total/NA	Solid	8015NM Prep	
890-4956-6	SS05	Total/NA	Solid	8015NM Prep	
890-4956-7	SS06	Total/NA	Solid	8015NM Prep	
890-4956-8	SS02	Total/NA	Solid	8015NM Prep	
890-4956-9	SS08	Total/NA	Solid	8015NM Prep	
890-4956-10	SS09	Total/NA	Solid	8015NM Prep	
890-4956-11	SS10	Total/NA	Solid	8015NM Prep	
890-4956-12	SS11	Total/NA	Solid	8015NM Prep	
890-4956-13	SS12	Total/NA	Solid	8015NM Prep	
MB 880-58169/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-58169/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-58169/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-4929-A-1-D MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-4929-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 58603

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
890-4956-1	SS01	Total/NA	Solid	8015B NM	58169
890-4956-2	SS01A	Total/NA	Solid	8015B NM	58169
890-4956-3	SS07	Total/NA	Solid	8015B NM	58169
890-4956-4	SS03	Total/NA	Solid	8015B NM	58169
890-4956-5	SS04	Total/NA	Solid	8015B NM	58169
890-4956-6	SS05	Total/NA	Solid	8015B NM	58169
890-4956-7	SS06	Total/NA	Solid	8015B NM	58169
890-4956-8	SS02	Total/NA	Solid	8015B NM	58169
890-4956-9	SS08	Total/NA	Solid	8015B NM	58169
890-4956-10	SS09	Total/NA	Solid	8015B NM	58169
890-4956-11	SS10	Total/NA	Solid	8015B NM	58169
890-4956-12	SS11	Total/NA	Solid	8015B NM	58169

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Job ID: 890-4956-1 SDG: 03C1558251

Client: Ensolum Project/Site: PLU C-1 RECYCLE FACILITY

GC Semi VOA (Continued)

Analysis Batch: 58603 (Continued)

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
890-4956-13	SS12	Total/NA	Solid	8015B NM	58169
MB 880-58169/1-A	Method Blank	Total/NA	Solid	8015B NM	58169
LCS 880-58169/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	58169
LCSD 880-58169/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	58169
890-4929-A-1-D MS	Matrix Spike	Total/NA	Solid	8015B NM	58169
890-4929-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	58169

Analysis Batch: 58719

ab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
390-4956-1	SS01	Total/NA	Solid	8015 NM	_ <u> </u>
390-4956-2	SS01A	Total/NA	Solid	8015 NM	
390-4956-3	SS07	Total/NA	Solid	8015 NM	
390-4956-4	SS03	Total/NA	Solid	8015 NM	
890-4956-5	SS04	Total/NA	Solid	8015 NM	
890-4956-6	SS05	Total/NA	Solid	8015 NM	
890-4956-7	SS06	Total/NA	Solid	8015 NM	
890-4956-8	SS02	Total/NA	Solid	8015 NM	
890-4956-9	SS08	Total/NA	Solid	8015 NM	
890-4956-10	SS09	Total/NA	Solid	8015 NM	
890-4956-11	SS10	Total/NA	Solid	8015 NM	
890-4956-12	SS11	Total/NA	Solid	8015 NM	
890-4956-13	SS12	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 58012

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4956-1	SS01	Soluble	Solid	DI Leach	
890-4956-2	SS01A	Soluble	Solid	DI Leach	
890-4956-3	SS07	Soluble	Solid	DI Leach	
890-4956-4	SS03	Soluble	Solid	DI Leach	
890-4956-5	SS04	Soluble	Solid	DI Leach	
890-4956-6	SS05	Soluble	Solid	DI Leach	
890-4956-7	SS06	Soluble	Solid	DI Leach	
890-4956-8	SS02	Soluble	Solid	DI Leach	
890-4956-9	SS08	Soluble	Solid	DI Leach	
890-4956-10	SS09	Soluble	Solid	DI Leach	
MB 880-58012/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-58012/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-58012/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-4956-1 MS	SS01	Soluble	Solid	DI Leach	
890-4956-1 MSD	SS01	Soluble	Solid	DI Leach	

Leach Batch: 58027

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4956-11	SS10	Soluble	Solid	DI Leach	
890-4956-12	SS11	Soluble	Solid	DI Leach	
890-4956-13	SS12	Soluble	Solid	DI Leach	
MB 880-58027/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-58027/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-58027/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

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Client: Ensolum Project/Site: PLU C-1 RECYCLE FACILITY

HPLC/IC (Continued)

Leach Batch: 58027 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-30939-A-9-B MS	Matrix Spike	Soluble	Solid	DI Leach	
880-30939-A-9-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 58062

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4956-11	SS10	Soluble	Solid	300.0	58027
890-4956-12	SS11	Soluble	Solid	300.0	58027
890-4956-13	SS12	Soluble	Solid	300.0	58027
MB 880-58027/1-A	Method Blank	Soluble	Solid	300.0	58027
LCS 880-58027/2-A	Lab Control Sample	Soluble	Solid	300.0	58027
LCSD 880-58027/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	58027
880-30939-A-9-B MS	Matrix Spike	Soluble	Solid	300.0	58027
880-30939-A-9-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	58027

Analysis Batch: 58102

Lab Sample ID 890-4956-1	Client Sample ID	Prep Type Soluble	Matrix	Method 300.0	Prep Batch 58012
890-4956-2	SS01 SS01A	Soluble	Solid	300.0	58012
890-4956-3	SS07	Soluble	Solid	300.0	58012
890-4956-4	SS03	Soluble	Solid	300.0	58012
890-4956-5	SS04	Soluble	Solid	300.0	58012
890-4956-6	SS05	Soluble	Solid	300.0	58012
890-4956-7	SS06	Soluble	Solid	300.0	58012
890-4956-8	SS02	Soluble	Solid	300.0	58012
890-4956-9	SS08	Soluble	Solid	300.0	58012
890-4956-10	SS09	Soluble	Solid	300.0	58012
MB 880-58012/1-A	Method Blank	Soluble	Solid	300.0	58012
LCS 880-58012/2-A	Lab Control Sample	Soluble	Solid	300.0	58012
LCSD 880-58012/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	58012
890-4956-1 MS	SS01	Soluble	Solid	300.0	58012
890-4956-1 MSD	SS01	Soluble	Solid	300.0	58012

Job ID: 890-4956-1 SDG: 03C1558251

Lab Chronicle

Job ID: 890-4956-1 SDG: 03C1558251

Lab Sample ID: 890-4956-1

Matrix: Solid

Lab Sample ID: 890-4956-2 **Matrix: Solid**

Lab Sample ID: 890-4956-3

Lab Sample ID: 890-4956-4

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			5.03 g	5 mL	58152	07/20/23 14:04	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	58267	07/22/23 16:27	SM	EET MID
Total/NA	Analysis	Total BTEX		1			58326	07/24/23 09:30	SM	EET MID
Total/NA	Analysis	8015 NM		1			58719	07/28/23 11:50	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	58169	07/20/23 15:43	ткс	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	58603	07/27/23 15:07	AJ	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	58012	07/19/23 10:11	KS	EET MID
Soluble	Analysis	300.0		1			58102	07/20/23 10:16	СН	EET MID

Client Sample ID: SS07 Date Collected: 07/17/23 09:20 Date Received: 07/17/23 16:11

	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	58152	07/20/23 14:04	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	58267	07/22/23 16:48	SM	EET MID
Total/NA	Analysis	Total BTEX		1			58326	07/24/23 09:30	SM	EET MID
Total/NA	Analysis	8015 NM		1			58719	07/28/23 11:50	AJ	EET MID
Total/NA	Prep	8015NM Prep			9.91 g	10 mL	58169	07/20/23 15:43	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	58603	07/27/23 15:29	AJ	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	58012	07/19/23 10:11	KS	EET MID
Soluble	Analysis	300.0		1			58102	07/20/23 10:22	СН	EET MID

Client Sample ID: SS03 Date Collected: 07/17/23 09:25 Date Received: 07/17/23 16:11

	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	58152	07/20/23 14:04	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	58267	07/22/23 17:08	SM	EET MID
Total/NA	Analysis	Total BTEX		1			58326	07/24/23 09:30	SM	EET MID

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Client Sample ID: SS01 Date Collected: 07/17/23 10:00 Date Received: 07/17/23 16:11

Project/Site: PLU C-1 RECYCLE FACILITY

	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	58152	07/20/23 14:04	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	58267	07/22/23 12:40	SM	EET MID
Total/NA	Analysis	Total BTEX		1			58326	07/24/23 09:30	SM	EET MID
Total/NA	Analysis	8015 NM		1			58719	07/28/23 11:50	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	58169	07/20/23 15:43	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	58603	07/27/23 14:45	AJ	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	58012	07/19/23 10:11	KS	EET MID
Soluble	Analysis	300.0		1			58102	07/20/23 10:01	СН	EET MID

Client Sample ID: SS01A Date Collected: 07/17/23 10:05 Date Received: 07/17/23 16:11

Matrix: Solid

Lab Chronicle

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Job ID: 890-4956-1 SDG: 03C1558251

Matrix: Solid

Matrix: Solid

Lab Sample ID: 890-4956-4

Lab Sample ID: 890-4956-5

Lab Sample ID: 890-4956-6

Client Sample ID: SS03 Date Collected: 07/17/23 09:25 Date Received: 07/17/23 16:11

Project/Site: PLU C-1 RECYCLE FACILITY

	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			58719	07/28/23 11:50	AJ	EET MID
Total/NA	Prep	8015NM Prep			9.96 g	10 mL	58169	07/20/23 15:43	ТКС	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	58603	07/27/23 16:13	AJ	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	58012	07/19/23 10:11	KS	EET MID
Soluble	Analysis	300.0		5			58102	07/20/23 10:57	СН	EET MID

Client Sample ID: SS04 Date Collected: 07/17/23 09:30 Date Received: 07/17/23 16:11

	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	58152	07/20/23 14:04	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	58267	07/22/23 17:29	SM	EET MID
Total/NA	Analysis	Total BTEX		1			58326	07/24/23 09:30	SM	EET MID
Total/NA	Analysis	8015 NM		1			58719	07/28/23 11:50	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	58169	07/20/23 15:43	ткс	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	58603	07/27/23 16:34	AJ	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	58012	07/19/23 10:11	KS	EET MID
Soluble	Analysis	300.0		1			58102	07/20/23 11:02	CH	EET MID

Client Sample ID: SS05

Date Collected: 07/17/23 09:35 Date Received: 07/17/23 16:11

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	58152	07/20/23 14:04	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	58267	07/22/23 17:49	SM	EET MID
Total/NA	Analysis	Total BTEX		1			58326	07/24/23 09:30	SM	EET MID
Total/NA	Analysis	8015 NM		1			58719	07/28/23 11:50	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	58169	07/20/23 15:43	ткс	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	58603	07/27/23 16:56	AJ	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	58012	07/19/23 10:11	KS	EET MID
Soluble	Analysis	300.0		5			58102	07/20/23 11:07	CH	EET MID

Client Sample ID: SS06 Date Collected: 07/17/23 09:40 Date Received: 07/17/23 16:11

	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	58152	07/20/23 14:04	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	58267	07/22/23 18:10	SM	EET MID
Total/NA	Analysis	Total BTEX		1			58326	07/24/23 09:30	SM	EET MID
Total/NA	Analysis	8015 NM		1			58719	07/28/23 11:50	AJ	EET MID
Total/NA Total/NA	Prep Analysis	8015NM Prep 8015B NM		1	10.01 g 1 uL	10 mL 1 uL	58169 58603	07/20/23 15:43 07/27/23 17:18		EET MID EET MID

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Lab Sample ID: 890-4956-7

Matrix: Solid

Matrix: Solid

Released to Imaging: 6/7/2024 11:34:08 AM

Job ID: 890-4956-1 SDG: 03C1558251

Matrix: Solid

Matrix: Solid

Matrix: Solid

Matrix: Solid

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Lab Sample ID: 890-4956-7

Lab Sample ID: 890-4956-8

Lab Sample ID: 890-4956-9

Lab Sample ID: 890-4956-10

Client Sample ID: SS06 Date Collected: 07/17/23 09:40 Date Received: 07/17/23 16:11

Project/Site: PLU C-1 RECYCLE FACILITY

Ргер Туре	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.99 g	50 mL	58012	07/19/23 10:11	KS	EET MID
Soluble	Analysis	300.0		5			58102	07/20/23 11:12	СН	EET MID

Client Sample ID: SS02 Date Collected: 07/17/23 10:40 Date Received: 07/17/23 16:11

	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	58152	07/20/23 14:04	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	58267	07/22/23 18:30	SM	EET MID
Total/NA	Analysis	Total BTEX		1			58326	07/24/23 09:30	SM	EET MID
Total/NA	Analysis	8015 NM		1			58719	07/28/23 11:50	AJ	EET MID
Total/NA	Prep	8015NM Prep			9.93 g	10 mL	58169	07/20/23 15:43	ткс	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	58603	07/27/23 17:40	AJ	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	58012	07/19/23 10:11	KS	EET MID
Soluble	Analysis	300.0		5			58102	07/20/23 11:17	СН	EET MID

Client Sample ID: SS08 Date Collected: 07/17/23 10:45 Date Received: 07/17/23 16:11

	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	58152	07/20/23 14:04	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	58267	07/22/23 18:51	SM	EET MID
Total/NA	Analysis	Total BTEX		1			58326	07/24/23 09:30	SM	EET MID
Total/NA	Analysis	8015 NM		1			58719	07/28/23 11:50	AJ	EET MID
Total/NA	Prep	8015NM Prep			9.92 g	10 mL	58169	07/20/23 15:43	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	58603	07/27/23 18:02	AJ	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	58012	07/19/23 10:11	KS	EET MID
Soluble	Analysis	300.0		1			58102	07/20/23 11:22	СН	EET MID

Client Sample ID: SS09 Date Collected: 07/17/23 10:50 Date Received: 07/17/23 16:11

Batch Batch Dil Initial Final Batch Prepared Method Prep Type Туре Run Factor Amount Amount Number or Analyzed Analyst Lab Total/NA 5035 58152 07/20/23 14:04 EL Prep 4.96 g 5 mL EET MID Total/NA 8021B Analysis 1 5 mL 5 mL 58267 07/22/23 19:11 SM EET MID Total/NA Analysis Total BTEX 58326 07/24/23 09:30 SM EET MID 1 Total/NA 8015 NM 58719 Analysis 1 07/28/23 11:50 AJ EET MID Total/NA 8015NM Prep 9.94 q 10 mL 58169 07/20/23 15:43 TKC EET MID Prep Total/NA Analysis 8015B NM 1 1 uL 1 uL 58603 07/27/23 18:24 AJ EET MID Soluble DI Leach 5.02 g 50 mL 58012 07/19/23 10:11 KS EET MID Leach Soluble Analysis 300.0 1 58102 07/20/23 11:28 CH EET MID

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Lab Chronicle

Job ID: 890-4956-1 SDG: 03C1558251

Matrix: Solid

Matrix: Solid

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Lab Sample ID: 890-4956-11

Lab Sample ID: 890-4956-12

Client Sample ID: SS10 Date Collected: 07/17/23 10:55 Date Received: 07/17/23 16:11

Project/Site: PLU C-1 RECYCLE FACILITY

	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	58152	07/20/23 14:04	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	58267	07/22/23 19:32	SM	EET MID
Total/NA	Analysis	Total BTEX		1			58326	07/24/23 09:30	SM	EET MID
Total/NA	Analysis	8015 NM		1			58719	07/28/23 11:50	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	58169	07/20/23 15:43	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	58603	07/27/23 18:46	AJ	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	58027	07/19/23 11:26	KS	EET MID
Soluble	Analysis	300.0		1			58062	07/19/23 18:43	СН	EET MID

Client Sample ID: SS11 Date Collected: 07/17/23 11:00

Date Received: 07/17/23 16:11

	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	58153	07/20/23 14:20	EL	EET MID	
Total/NA	Analysis	8021B		1	5 mL	5 mL	58267	07/22/23 22:37	SM	EET MID	
Total/NA	Analysis	Total BTEX		1			58326	07/24/23 09:30	SM	EET MID	
Total/NA	Analysis	8015 NM		1			58719	07/28/23 11:50	AJ	EET MID	
Total/NA	Prep	8015NM Prep			10.09 g	10 mL	58169	07/20/23 15:43	ТКС	EET MID	
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	58603	07/27/23 19:07	AJ	EET MID	
Soluble	Leach	DI Leach			5.01 g	50 mL	58027	07/19/23 11:26	KS	EET MID	
Soluble	Analysis	300.0		1			58062	07/19/23 18:48	СН	EET MID	

Client Sample ID: SS12 Date Collected: 07/17/23 13:00 Date Received: 07/17/23 16:11

Lab Sample ID: 890-4956-13 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			4.97 g	5 mL	58153	07/20/23 14:20	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	58267	07/22/23 22:57	SM	EET MID
Total/NA	Analysis	Total BTEX		1			58326	07/24/23 09:30	SM	EET MID
Total/NA	Analysis	8015 NM		1			58719	07/28/23 11:50	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	58169	07/20/23 15:43	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	58603	07/27/23 19:29	AJ	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	58027	07/19/23 11:26	KS	EET MID
Soluble	Analysis	300.0		1			58062	07/19/23 18:53	СН	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Ensolum Project/Site: PLU C-1 RECYCLE FACILITY Job ID: 890-4956-1 SDG: 03C1558251

Laboratory: Eurofins Midland

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

uthority	Pr	ogram	Identification Number	Expiration Date
exas	NE	ELAP	T104704400-23-26	06-30-24
the agency does not o	offer certification.			This list may include analytes for whic
0,	•	ort, but the laboratory is n	ot certified by the governing authorityAnalyte	This list may include analytes for whic
the agency does not o	offer certification.			This list may include analytes for whic

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Method Summary

Client: Ensolum Project/Site: PLU C-1 RECYCLE FACILITY Job ID: 890-4956-1 SDG: 03C1558251

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	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 References:

ASTM = ASTM International

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: PLU C-1 RECYCLE FACILITY

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth	
890-4956-1	SS01	Solid	07/17/23 10:00	07/17/23 16:11	12	_
890-4956-2	SS01A	Solid	07/17/23 10:05	07/17/23 16:11	13	
890-4956-3	SS07	Solid	07/17/23 09:20	07/17/23 16:11	0.5	6
890-4956-4	SS03	Solid	07/17/23 09:25	07/17/23 16:11	0.5	
890-4956-5	SS04	Solid	07/17/23 09:30	07/17/23 16:11	0.5	
890-4956-6	SS05	Solid	07/17/23 09:35	07/17/23 16:11	0.5	0
890-4956-7	SS06	Solid	07/17/23 09:40	07/17/23 16:11	0.5	
890-4956-8	SS02	Solid	07/17/23 10:40	07/17/23 16:11	0.5	
890-4956-9	SS08	Solid	07/17/23 10:45	07/17/23 16:11	0.5	
890-4956-10	SS09	Solid	07/17/23 10:50	07/17/23 16:11	0.5	
890-4956-11	SS10	Solid	07/17/23 10:55	07/17/23 16:11	0.5	
890-4956-12	SS11	Solid	07/17/23 11:00	07/17/23 16:11	0.5	9
890-4956-13	SS12	Solid	07/17/23 13:00	07/17/23 16:11	0.5	
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Job ID: 890-4956-1 SDG: 03C1558251

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	nd the control previously negotiated.	of service. Eurofins Xenco will be liable only for the cost of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions 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 negotilated.	o Eurofins Xenco, its affiliates and : expenses incurred by the client if : ed to Eurofins Xenco, but not anab	er from client company to nsibility for any losses or for each sample submitte	rtes a valid purchase ord all not assume any respo plect and a charge of \$5 :	amples constitu amples and shu iled to each pro	t and relinquishment of s lable only for the cost of ; arge of \$85.00 will be app	vice. Eurofins Xenco will be ofins Xenco. A minimum ch
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Page 1 of 2	www.xenco.com	1X (806) 794-1296 NM (575) 988-3199	EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296 Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199	EL Paso Hobbs,		8	Netico	
	Work Order No:	X (214) 902-0300 , TX (210) 509-3334	Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300 Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334	Houste Midland,	Environment Testing	ironmer		

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HWW Address: 3104 F. GY RYN ST State of Project:
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Hobbs, NM (575) 392-7530, Carisbad, NM (575) 988-3199 www.xenco.com Page 2 of 2
Environment Testing Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334 Work Order No:

8/2/2023 (Rev. 1)

Page 74 of 278

Chain of Custody

Eurofins Carlsbad 1089 N Canal St.

Chain of Custody Record

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1089 N Canal St. Carlsbad NM 88220	0	Chain c	Chain of Custody Record	v Reco	ord						Â				💸 eurofins	rofir	SI			
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Clent Contact Shipping/Receiving	Phone			E-Mail Jessica Kramer@et.eurofinsus com	ramer	Øet.e	Purofi	nsus	com		State of Origin: New Mexico	vinn			Page [.] Pane 1	of v				
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Cooler Temperature(s) °C and Other Remarks

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Nethod of Shipment Date/Time Date/Time: Date/Time

Special Instructions/QC Requirements

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

Return To Client

Disposal By Lab

Archive For
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Months

Date/Time Date/Time:

Primary Deliverable Rank 2

Date

Custody Seals Intact. ∆ Yes ∆ No

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Deliverable Requested | II III IV Other (specify)

Empty Kit Relinquished by

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	Date/Time	Date/Time	Date/Time		Primary Deliverable Rank 2		iment Testing South Centr ad above for analysis/tests h Central LLC attention in				7/17/23	7/17/23	7/17/23	7/17/23	X	Sample Date	SSOW#:	Project #: 89000093	WO#:	PO #		TAT Requested (days):	7/21/2023		Phone	Sampler		
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SDG Number: 03C1558251

List Source: Eurofins Carlsbad

Login Sample Receipt Checklist

Client: Ensolum

Login Number: 4956 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	
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	

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Job Number: 890-4956-1 SDG Number: 03C1558251

List Source: Eurofins Midland

List Creation: 07/19/23 12:08 PM

Login Sample Receipt Checklist

Client: Ensolum

<6mm (1/4").

Login Number: 4956 List Number: 2 Creator: Teel, Brianna

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.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is	True	

Received by OCD: 6/4/2024 9:36:12 AM



Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Ben Belill Ensolum 601 N. Marienfeld St. Suite 400 Midland, Texas 79701 Generated 8/23/2023 11:49:56 AM

JOB DESCRIPTION

PLU C-1 RECYCLE FACILITY SDG NUMBER 03C1558251

JOB NUMBER

890-5076-1

D FOF Ben Beli Ensolur enfeld S Suite 40 as 7970 11:49:56 A

Eurofins Carlsbad 1089 N Canal St. Carlsbad NM 88220

See page two for iob notes and contact information

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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 8/23/2023 11:49:56 AM

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

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LOQ

MCL

MDA

MDC

MDL

ML

MPN

MQL

NC ND

NEG

POS

PQL PRES

QC

RER

RL RPD

TEF

TEQ

TNTC

Limit of Quantitation (DoD/DOE)

Method Detection Limit

Minimum Level (Dioxin)

Most Probable Number

Not Calculated

Negative / Absent

Positive / Present Practical Quantitation Limit

Presumptive

Quality Control

Method Quantitation Limit

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

EPA recommended "Maximum Contaminant Level"

Minimum Detectable Concentration (Radiochemistry)

Not Detected at the reporting limit (or MDL or EDL if shown)

Minimum Detectable Activity (Radiochemistry)

	Definitions/Glossary	
Client: Ensolum Project/Site: PL	Job ID: 890-5 U C-1 RECYCLE FACILITY SDG: 03C15	
	UC-I RECICLE FACILITY 300.03013	
Qualifiers		 3
GC VOA Qualifier	Qualifier Description	4
U	Indicates the analyte was analyzed for but not detected.	
GC Semi VOA Qualifier	Qualifier Description	Ę
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.	ξ
Glossary		Ç
Abbreviation	These commonly used abbreviations may or may not be present in this report.	
a	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 DER	Contains No Free Liquid	
DER Dil Fac	Duplicate Error Ratio (normalized absolute difference) Dilution Factor	
DI Fac 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)	
	Limit of Detection (DoD/DOE)	

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Project/Site: PLU C-1 RECYCLE FACILITY

4

Job ID: 890-5076-1

Client: Ensolum

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative 890-5076-1

Receipt

The samples were received on 8/10/2023 2:28 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 4.0°C

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: BH02 (890-5076-1), BH03 (890-5076-2), BH04 (890-5076-3), BH05 (890-5076-4) and BH06 (890-5076-5).

GC VOA

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 for the following samples were outside control limits: BH02 (890-5076-1), BH03 (890-5076-2), BH04 (890-5076-3), BH05 (890-5076-4), BH06 (890-5076-5), (880-31900-A-14-E), (880-31900-A-14-F MS) and (880-31900-A-14-G MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-60605 and analytical batch 880-60637 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (CCV 880-60637/20), (CCV 880-60637/31) and (CCV 880-60637/5). 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.

Client Sample Results

Client: Ensolum Project/Site: PLU C-1 RECYCLE FACILITY

Client Sample ID: BH02

Date Collected: 08/10/23 08:55 Date Received: 08/10/23 14:28

Sample Depth: 1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	mg/Kg		08/22/23 13:09	08/23/23 04:44	
Toluene	<0.00202	U	0.00202	mg/Kg		08/22/23 13:09	08/23/23 04:44	
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		08/22/23 13:09	08/23/23 04:44	
m-Xylene & p-Xylene	<0.00403	U	0.00403	mg/Kg		08/22/23 13:09	08/23/23 04:44	
o-Xylene	<0.00202	U	0.00202	mg/Kg		08/22/23 13:09	08/23/23 04:44	
Xylenes, Total	<0.00403	U	0.00403	mg/Kg		08/22/23 13:09	08/23/23 04:44	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	88		70 - 130			08/22/23 13:09	08/23/23 04:44	
1,4-Difluorobenzene (Surr)	88		70 - 130			08/22/23 13:09	08/23/23 04:44	
Method: TAL SOP Total BTEX - T	otal BTEX Calo	ulation						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403	mg/Kg			08/23/23 12:26	
Method: SW846 8015 NM - Diese	l Pango Organ		6C)					
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9		49.9	mg/Kg			08/22/23 14:01	
				0.0				
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	<49.9	U	49.9	mg/Kg		08/18/23 18:17	08/21/23 17:04	
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		08/18/23 18:17	08/21/23 17:04	
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		08/18/23 18:17	08/21/23 17:04	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
1-Chlorooctane	142	S1+	70 - 130			08/18/23 18:17	08/21/23 17:04	
o-Terphenyl	150	S1+	70 - 130			08/18/23 18:17	08/21/23 17:04	-
Method: EPA 300.0 - Anions, Ion	Chromatograp	hy - Solubl	e					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	307		5.01	mg/Kg			08/15/23 01:39	
lient Sample ID: BH03						Lab San	nple ID: 890-	5076-2

Date Collected: 08/10/23 10:25 Date Received: 08/10/23 14:28

Sample Depth: 4

Method: SW846 8021B - Volat	ile Organic Comp	ounds (GC))					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		08/22/23 13:09	08/23/23 05:04	1
Toluene	<0.00200	U	0.00200	mg/Kg		08/22/23 13:09	08/23/23 05:04	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		08/22/23 13:09	08/23/23 05:04	1
m-Xylene & p-Xylene	<0.00401	U	0.00401	mg/Kg		08/22/23 13:09	08/23/23 05:04	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		08/22/23 13:09	08/23/23 05:04	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		08/22/23 13:09	08/23/23 05:04	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	81		70 - 130			08/22/23 13:09	08/23/23 05:04	1

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Job ID: 890-5076-1 SDG: 03C1558251

Lab Sample ID: 890-5076-1

Matrix: Solid

Client Sample Results

Client: Ensolum Project/Site: PLU C-1 RECYCLE FACILITY

Client Sample ID: BH03

Date Collected: 08/10/23 10:25

Date Received: 08/10/23 14:28

Sample Depth: 4

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

Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	90		70 - 130			08/22/23 13:09	08/23/23 05:04	1
Method: TAL SOP Total BTEX - T	otal BTEX Calo	ulation						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401	mg/Kg			08/23/23 12:26	1
Method: SW846 8015 NM - Diese	Range Organ	ics (DRO) (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7	mg/Kg			08/22/23 14:01	1
- Method: SW846 8015B NM - Dies	ol Pongo Orga							
Analyte		Qualifier	(GC) RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.7	U	49.7	mg/Kg		08/18/23 18:17	08/21/23 17:26	1
(GRO)-C6-C10	<49.7		49.7	m a ll a		08/18/23 18:17	08/21/23 17:26	
Diesel Range Organics (Over	<49.7	U	49.7	mg/Kg		00/10/23 10:17	06/21/23 17:20	
C10-C28) Oll Range Organics (Over C28-C36)	<49.7		49.7	mg/Kg		08/18/23 18:17	08/21/23 17:26	-
On Mange Organics (Over C20-C30)	~45.7	0	45.7	iiig/itg		00/10/23 10.17	00/21/23 17.20	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	141	S1+	70 - 130			08/18/23 18:17	08/21/23 17:26	î
o-Terphenyl	155	S1+	70 - 130			08/18/23 18:17	08/21/23 17:26	1
-								
Method: EPA 300.0 - Anions, Ion	Chromatograp	hy - Solubl	е					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1340		4.97	mg/Kg			08/15/23 02:00	

Client Sample ID: BH04

Date Collected: 08/10/23 10:50 Date Received: 08/10/23 14:28 Sample Depth: 3

Lab Sample ID: 890-5076-3 Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		08/22/23 13:09	08/23/23 05:24	1
Toluene	<0.00201	U	0.00201	mg/Kg		08/22/23 13:09	08/23/23 05:24	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		08/22/23 13:09	08/23/23 05:24	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	mg/Kg		08/22/23 13:09	08/23/23 05:24	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		08/22/23 13:09	08/23/23 05:24	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		08/22/23 13:09	08/23/23 05:24	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	82		70 - 130			08/22/23 13:09	08/23/23 05:24	1
1,4-Difluorobenzene (Surr)	97		70 - 130			08/22/23 13:09	08/23/23 05:24	1
Method: TAL SOP Total BTEX	- Total BTEX Cald	culation						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			08/23/23 12:26	1
- Method: SW846 8015 NM - Die	esel Range Organ	ics (DRO) (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3	mg/Kg			08/22/23 14:01	

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Job ID: 890-5076-1 SDG: 03C1558251

Matrix: Solid

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Lab Sample ID: 890-5076-2

Project/Site: PLU C-1 RECYCLE FACILITY

Client Sample Results

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Job ID: 890-5076-1 SDG: 03C1558251

Lab Sample ID: 890-5076-3

Client Sample ID: BH04

Date Collected: 08/10/23 10:50 Date Received: 08/10/23 14:28

Sample Depth: 3

Client: Ensolum

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.3	U	50.3	mg/Kg		08/18/23 18:17	08/21/23 17:48	1
(GRO)-C6-C10								
Diesel Range Organics (Over	<50.3	U	50.3	mg/Kg		08/18/23 18:17	08/21/23 17:48	1
C10-C28)								
Oll Range Organics (Over C28-C36)	<50.3	U	50.3	mg/Kg		08/18/23 18:17	08/21/23 17:48	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	148	S1+	70 - 130			08/18/23 18:17	08/21/23 17:48	1
o-Terphenyl	159	S1+	70 - 130			08/18/23 18:17	08/21/23 17:48	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	182		4.98	mg/Kg			08/15/23 02:07	1

Client Sample ID: BH05

Date Collected: 08/10/23 11:20

Date Received: 08/10/23 14:28 Sample Depth: 3

Method: SW846 8021B - Volat	ile Organic Comp	ounds (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		08/22/23 13:09	08/23/23 05:45	1
Toluene	<0.00199	U	0.00199	mg/Kg		08/22/23 13:09	08/23/23 05:45	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		08/22/23 13:09	08/23/23 05:45	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		08/22/23 13:09	08/23/23 05:45	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		08/22/23 13:09	08/23/23 05:45	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		08/22/23 13:09	08/23/23 05:45	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		70 - 130			08/22/23 13:09	08/23/23 05:45	1
1,4-Difluorobenzene (Surr)	95		70 - 130			08/22/23 13:09	08/23/23 05:45	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			08/23/23 12:26	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1	mg/Kg			08/22/23 14:01	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.1	U	50.1	mg/Kg		08/18/23 18:17	08/21/23 18:10	1
(GRO)-C6-C10								
Diesel Range Organics (Over	<50.1	U	50.1	mg/Kg		08/18/23 18:17	08/21/23 18:10	1
C10-C28)								
OII Range Organics (Over C28-C36)	<50.1	U	50.1	mg/Kg		08/18/23 18:17	08/21/23 18:10	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	142	S1+	70 - 130			08/18/23 18:17	08/21/23 18:10	1
o-Terphenyl	149	S1+	70 - 130			08/18/23 18:17	08/21/23 18:10	1

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		Clier	nt Sample Re	sults				
Client: Ensolum							Job ID: 890	-5076-1
Project/Site: PLU C-1 RECYCLE FA	ACILITY						SDG: 03C	155825
Client Sample ID: BH05						Lab Sar	nple ID: 890-	5076-4
Date Collected: 08/10/23 11:20							Matri	ix: Solic
Date Received: 08/10/23 14:28								
Sample Depth: 3								
Method: EPA 300.0 - Anions, Ion								
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Chloride	101		4.98	mg/Kg			08/15/23 02:14	·
Client Sample ID: BH06						Lab Sar	nple ID: 890-	5076-5
Date Collected: 08/10/23 11:50							Matri	ix: Solid
Date Received: 08/10/23 14:28								
Sample Depth: 3								
_ Method: SW846 8021B - Volatile	Organic Comp	ounde (CC	٠					
Analyte		Qualifier) RL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0.00198	U	0.00198	mg/Kg		08/22/23 13:09	08/23/23 06:05	
Toluene	<0.00198	U	0.00198	mg/Kg		08/22/23 13:09	08/23/23 06:05	
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		08/22/23 13:09	08/23/23 06:05	
m-Xylene & p-Xylene	<0.00396	U	0.00396	mg/Kg		08/22/23 13:09	08/23/23 06:05	
o-Xylene	<0.00198	U	0.00198	mg/Kg		08/22/23 13:09	08/23/23 06:05	
Xylenes, Total	<0.00396	U	0.00396	mg/Kg		08/22/23 13:09	08/23/23 06:05	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	95		70 - 130			08/22/23 13:09	08/23/23 06:05	
1,4-Difluorobenzene (Surr)	94		70 - 130			08/22/23 13:09	08/23/23 06:05	÷
- Method: TAL SOP Total BTEX - T	otal BTEX Calo	culation						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Total BTEX	<0.00396	U	0.00396	mg/Kg			08/23/23 12:26	
_ Method: SW846 8015 NM - Diese	l Pango Organ							
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Total TPH	<50.4		50.4	mg/Kg			08/22/23 14:01	
-								
Method: SW846 8015B NM - Dies) (GC)					
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Gasoline Range Organics	<50.4	U	50.4	mg/Kg		08/18/23 18:17	08/21/23 18:31	
(GRO)-C6-C10 Diesel Range Organics (Over	<50.4	U	50.4	mg/Kg		08/18/23 18:17	08/21/23 18:31	
C10-C28)	-00.4	5	50.4			33/10/20 10.17	30/21/20 10:01	
Oll Range Organics (Over C28-C36)	<50.4	U	50.4	mg/Kg		08/18/23 18:17	08/21/23 18:31	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
1-Chlorooctane	136	S1+	70 - 130			08/18/23 18:17	08/21/23 18:31	
o-Terphenyl	155	S1+	70 - 130			08/18/23 18:17	08/21/23 18:31	
Method: EPA 300.0 - Anions, Ion	Chromatogram	hy - Solub	le					
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
· ·								

Eurofins Carlsbad

08/15/23 02:22

Chloride

5.04

mg/Kg

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

		BFB1	DFBZ1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
890-5076-1	BH02	88	88
890-5076-1 MS	BH02	95	87
890-5076-1 MSD	BH02	94	87
890-5076-2	BH03	81	90
890-5076-3	BH04	82	97
890-5076-4	BH05	88	95
890-5076-5	BH06	95	94
LCS 880-60818/1-A	Lab Control Sample	87	95
LCSD 880-60818/2-A	Lab Control Sample Dup	99	86
MB 880-60732/5-A	Method Blank	99	119
MB 880-60818/5-A	Method Blank	102	107
Surrogate Legend			
BFB = 4-Bromofluorobe	nzene (Surr)		
DER7 - 1 4 Diffuorabon	ZODO (Surr)		

DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid

				Percent Surrogate R
		1CO1	OTPH1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
880-31900-A-14-F MS	Matrix Spike	163 S1+	154 S1+	
880-31900-A-14-G MSD	Matrix Spike Duplicate	157 S1+	151 S1+	
890-5076-1	BH02	142 S1+	150 S1+	
890-5076-2	BH03	141 S1+	155 S1+	
890-5076-3	BH04	148 S1+	159 S1+	
890-5076-4	BH05	142 S1+	149 S1+	
890-5076-5	BH06	136 S1+	155 S1+	
LCS 880-60605/2-A	Lab Control Sample	96	108	
LCSD 880-60605/3-A	Lab Control Sample Dup	102	117	
MB 880-60605/1-A	Method Blank	155 S1+	171 S1+	

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

Job ID: 890-5076-1 SDG: 03C1558251

Prep Type: Total/NA

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Prep Type: Total/NA

5

6

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QC Sample Results

Method: 8021B - Volatile Organic Compounds (GC)

– Lab Sample ID: MB 880-60732/5 Matrix: Solid	i-A								Client Sa	mple ID: Meth Prep Type:	
Analysis Batch: 60782										Prep Batc	h: 60732
4		MB			11		-	_		A	D
Analyte	Result <0.00200	Qualifier	RL 0.00200		<u>Unit</u>	~	D		Prepared 21/23 12:45	Analyzed	Dil Fac
Benzene Toluene			0.00200		mg/K	-				08/22/23 16:38	
	< 0.00200				mg/K	-			21/23 12:45	08/22/23 16:38	1
Ethylbenzene	<0.00200		0.00200		mg/K				21/23 12:45	08/22/23 16:38	1
m-Xylene & p-Xylene	<0.00400		0.00400		mg/K				21/23 12:45	08/22/23 16:38	1
o-Xylene	<0.00200		0.00200		mg/K	g			21/23 12:45	08/22/23 16:38	1
Xylenes, Total	<0.00400	U	0.00400		mg/K	g		08/2	21/23 12:45	08/22/23 16:38	1
	MB	МВ									
Surrogate	%Recovery	Qualifier	Limits					F	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130					08/2	21/23 12:45	08/22/23 16:38	1
1,4-Difluorobenzene (Surr)	119		70 - 130					08/2	21/23 12:45	08/22/23 16:38	1
Ξ											
Lab Sample ID: MB 880-60818/5	5-A								Client Sa	mple ID: Meth	
Matrix: Solid										Prep Type:	
Analysis Batch: 60782										Prep Batc	h: 60818
	MB	MB									
Analyte	Result		RL		Unit		D	P	repared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/K	g		08/2	22/23 13:09	08/23/23 04:15	1
Toluene	<0.00200	U	0.00200		mg/K	g		08/2	2/23 13:09	08/23/23 04:15	1
Ethylbenzene	<0.00200	U	0.00200		mg/K	g		08/2	22/23 13:09	08/23/23 04:15	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/K	g		08/2	2/23 13:09	08/23/23 04:15	1
o-Xylene	<0.00200	U	0.00200		mg/K	g		08/2	2/23 13:09	08/23/23 04:15	1
Xylenes, Total	<0.00400	U	0.00400		mg/K	g		08/2	2/23 13:09	08/23/23 04:15	1
	MB	МВ									
Surrogate	%Recovery		Limits					F	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)			70 - 130						22/23 13:09	08/23/23 04:15	1
1,4-Difluorobenzene (Surr)	107		70 - 130						22/23 13:09	08/23/23 04:15	1
_											
Lab Sample ID: LCS 880-60818/	1-A						С	lien	t Sample I	D: Lab Contro	I Sample
Matrix: Solid										Prep Type:	Total/NA
Analysis Batch: 60782										Prep Batc	h: 60818
			Spike	LCS	LCS					%Rec	
Analyte			Added	Result	Qualifier	Unit		D	%Rec	Limits	
Benzene			0.100	0.09278		mg/Kg			93	70 - 130	
Toluene			0.100	0.09141		mg/Kg			91	70 - 130	
Ethylbenzene			0.100	0.09066		mg/Kg			91	70 - 130	
m-Xylene & p-Xylene			0.200	0.1692		mg/Kg			85	70 - 130	
o-Xylene			0.100	0.07807		mg/Kg			78	70 - 130	
Surrogate	LCS LCS %Recovery Qua		Limits								
4-Bromofluorobenzene (Surr)	87		70 - 130								
1.4-Difluorobenzene (Surr)	95		70 - 130 70 - 130								
	30		70 - 100								
Lab Sample ID: LCSD 880-6081	8/2-A					Cli	ent	San	nple ID: La	ab Control San	nple Dup
Matrix: Solid									-	Prep Type:	
Analysis Batch: 60782										Prep Batc	
			Spike	LCSD	LCSD					%Rec	RPD
Analyte			Added		Qualifier	Unit		D	%Rec	Limits RP	
				0.00000							

10

84

70 - 130

5

7 8

Job ID: 890-5076-1

SDG: 03C1558251

Benzene

0.08368

mg/Kg

0.100

QC Sample Results

Client: Ensolum Project/Site: PLU C-1 RECYCLE FACILITY Job ID: 890-5076-1 SDG: 03C1558251

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

Lab Sample ID: LCSD 880-60	0818/2-A					Clier	nt Sam	ple ID:	Lab Contro		
Matrix: Solid										ype: To	
Analysis Batch: 60782									Prep	Batch:	<mark>60</mark> 81
			Spike	LCSD	LCSD				%Rec		RPI
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Lim
Toluene			0.100	0.08323		mg/Kg		83	70 - 130	9	3
Ethylbenzene			0.100	0.07555		mg/Kg		76	70 - 130	18	3
m-Xylene & p-Xylene			0.200	0.1427		mg/Kg		71	70 - 130	17	3
o-Xylene			0.100	0.07783		mg/Kg		78	70 - 130	0	3
		LCSD									
Surrogate	%Recovery		Limits								
4-Bromofluorobenzene (Surr)		quamer	70 - 130								
1,4-Difluorobenzene (Surr)	86		70 - 130								
Lab Sample ID: 890-5076-1 M	49								Client San		
Matrix: Solid										ype: To	
Analysis Batch: 60782										Batch:	
Analysis Batch. 00702	Sampla	Sample	Spike	МЗ	MS				%Rec	Daten.	0001
Analyte	•	Qualifier	Added		Qualifier	Unit	D	%Rec	Limits		
Benzene	<0.00202		0.0996	0.09593	Quaimer	mg/Kg			70 - 130	·	
Toluene	<0.00202		0.0996	0.09595				90 98	70 - 130 70 - 130		
			0.0996			mg/Kg					
	< 0.00202		0.0990	0.09368		mg/Kg		94	70 - 130 70 - 130		
m-Xylene & p-Xylene	< 0.00403			0.1845		mg/Kg		93			
o-Xylene	<0.00202	U	0.0996	0.08567		mg/Kg		86	70 - 130		
	MS										
Surrogate	%Recovery	Qualifier	Limits								
4-Bromofluorobenzene (Surr)	95		70 - 130								
1,4-Difluorobenzene (Surr)	87		70 - 130								
Lab Sample ID: 890-5076-1 M	ISD								Client San	nple ID:	BH0
Matrix: Solid									Prep T	ype: To	tal/N
Analysis Batch: 60782									Prep	Batch:	6081
	Sample	Sample	Spike	MSD	MSD				%Rec		RP
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Lim
Benzene	<0.00202	U	0.0994	0.09673		mg/Kg		97	70 - 130	1	3
Toluene	<0.00202	U	0.0994	0.09088		mg/Kg		91	70 - 130	7	3
Ethylbenzene	<0.00202	U	0.0994	0.08148		mg/Kg		82	70 - 130	14	3
m-Xylene & p-Xylene	<0.00403	U	0.199	0.1538		mg/Kg		77	70 - 130	18	3
o-Xylene	<0.00202	U	0.0994	0.08412		mg/Kg		84	70 - 130	2	3
	MSD	MSD									
Surrogate	%Recovery	Qualifier	Limits								
4-Bromofluorobenzene (Surr)	94		70 - 130								
			70 - 130								

Lab Sample ID: MB 880-60605/1-A Matrix: Solid						Client Sa	mple ID: Metho Prep Type: 1	Total/NA
Analysis Batch: 60637							Prep Batch	1: 60605
	MB	MB						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0	mg/Kg		08/18/23 18:17	08/21/23 07:55	1
(GRO)-C6-C10								

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C10-C28)

Diesel Range Organics (Over

QC Sample Results

Client: Ensolum Project/Site: PLU C-1 RECYCLE FACILITY

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

Nethou: 60156 NW - Dieser Rai	ige orga			ontinu	50)						
Lab Sample ID: MB 880-60605/1-A								Client S	ample ID: I		
Matrix: Solid										ype: To	
Analysis Batch: 60637									Prep	Batch:	60605
	ME	3 MB									
Analyte	Resul	t Qualifier	R	L	Unit		D	Prepared	Analyz	ed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	Ū	50.	.0	mg/K	g	08/	18/23 18:17	08/21/23 (07:55	1
Oll Range Organics (Over C28-C36)	<50.0) U	50.	.0	mg/K	g	08/	18/23 18:17	08/21/23 (07:55	1
	МЕ	B MB									
Surrogate	%Recovery	Qualifier	Limits					Prepared	Analyz	ed	Dil Fac
-Chlorooctane	15	5 S1+	70 - 130	_			08/	/18/23 18:17	08/21/23	07:55	1
p-Terphenyl	171	1 S1+	70 - 130				08/	18/23 18:17	08/21/23	07:55	1
_ab Sample ID: LCS 880-60605/2-A							Clien	t Sample	ID: Lab Co	ontrol S	ample
Matrix: Solid									Prep T	ype: To	tal/NA
Analysis Batch: 60637									Prep	Batch:	60605
			Spike	LCS	LCS				%Rec		
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits		
Gasoline Range Organics			1000	1006		mg/Kg		101	70 - 130		
GRO)-C6-C10											
Diesel Range Organics (Over			1000	915.4		mg/Kg		92	70 - 130		
C10-C28)											
Dumo 114	LCS LC		1								
		alifier	Limits								
1-Chlorooctane	96		70 - 130								
p-Terphenyl	108		70 - 130								
_ab Sample ID: LCSD 880-60605/3-/	4					Cli	ent Sai	nple ID: L	ab Contro	I Samp	e Dup
Matrix: Solid										ype: To	
Analysis Batch: 60637										Batch:	
Analysis Batch. 00007			Spike	LCSD	LCSD				%Rec	Daten.	RPD
Analyte			Added		Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Basoline Range Organics			1000	951.8		mg/Kg		95	70 - 130	6	20
(GRO)-C6-C10											
Diesel Range Organics (Over C10-C28)			1000	844.3		mg/Kg		84	70 - 130	8	20
	LCSD LC	SD									
Surrogate %R	Recovery Qu		Limits								
I-Chlorooctane	102		70 - 130								
p-Terphenyl	117		70 - 130								
· - · - · · · · · · · · · · · · · · · ·											
_ab Sample ID: 880-31900-A-14-F M	IS							Client	Sample ID:	: Matrix	Spike
Matrix: Solid										ype: To	
Analysis Batch: 60637										Batch:	
-	Sample Sar	nple	Spike	MS	MS				%Rec		
Analyte	Result Qu	-	Added		Qualifier	Unit	D	%Rec	Limits		
Gasoline Range Organics GRO)-C6-C10	<50.3 U		997	1095		mg/Kg		106	70 - 130		
Diagol Dange Organice (Over	<f0.2 11<="" td=""><td></td><td>007</td><td>1040</td><td></td><td>malla</td><td></td><td>101</td><td>70 120</td><td></td><td></td></f0.2>		007	1040		malla		101	70 120		

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	163	S1+	70 - 130
o-Terphenyl	154	S1+	70 - 130

<50.3 U

Job ID: 890-5076-1 SDG: 03C1558251

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997

1240

mg/Kg

121

70 - 130

QC Sample Results

Client: Ensolum Project/Site: PLU C-1 RECYCLE FACILITY Job ID: 890-5076-1 SDG: 03C1558251

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

Matrix: Solid	-14-G MSD								D: Matrix S Prep 1	Type: To	
Analysis Batch: 60637										Batch:	
	Sample	Sample	Spike	MSD	MSD				%Rec	Datom	RP
Analyte	-	Qualifier	Added		Qualifier	Unit	D	%Rec	Limits	RPD	Lim
Gasoline Range Organics	<50.3		997	950.2		mg/Kg		91	70 - 130	14	2
(GRO)-C6-C10		-									_
Diesel Range Organics (Over C10-C28)	<50.3	U	997	1198		mg/Kg		117	70 - 130	3	2
	MSD	MSD									
Surrogate	%Recovery		Limits								
1-Chlorooctane	157		70 - 130								
o-Terphenyl	151	S1+	70 - 130								
lethod: 300.0 - Anions, Lab Sample ID: MB 880-6009 Matrix: Solid Analysis Batch: 60268		ography						Client S	Sample ID: Prep	Method Type: So	
		MB MB									
Analyte	R	esult Qualifier		RL	Unit	1	D P	repared	Analyz	ed	Dil Fa
Chloride	<	<5.00 U		5.00	mg/K	g			08/15/23	01:17	
									Prep	Type: So	olub
Matrix: Solid			Spike	LCS	LCS				Prep %Rec	Type: So	olub
Matrix: Solid Analysis Batch: 60268			Spike Added		LCS Qualifier	Unit	D	%Rec		Type: So	olub
Matrix: Solid Analysis Batch: 60268 ^{Analyte}						Unit mg/Kg	<u>D</u>	%Rec 103	%Rec	Type: So	olub
Matrix: Solid Analysis Batch: 60268 Analyte Chloride			Added	Result		mg/Kg		103	%Rec Limits 90 - 110		
Matrix: Solid Analysis Batch: 60268 Analyte Chloride Lab Sample ID: LCSD 880-60			Added	Result		mg/Kg		103	%Rec Limits 90 - 110		e Du
Matrix: Solid Analysis Batch: 60268 Analyte Chloride Lab Sample ID: LCSD 880-60 Matrix: Solid			Added	Result		mg/Kg		103	%Rec Limits 90 - 110		e Du
Matrix: Solid Analysis Batch: 60268 Analyte Chloride Lab Sample ID: LCSD 880-60 Matrix: Solid			Added 250	Result 257.5		mg/Kg		103	%Rec Limits 90 - 110 Lab Contro Prep		e Du olub
Matrix: Solid Analysis Batch: 60268 Analyte Chloride Lab Sample ID: LCSD 880-60 Matrix: Solid Analysis Batch: 60268			Added	Result 257.5	Qualifier	mg/Kg		103	%Rec Limits 90 - 110		e Du olub RF
Matrix: Solid Analysis Batch: 60268 Analyte Chloride Lab Sample ID: LCSD 880-66 Matrix: Solid Analysis Batch: 60268 Analyte			Added 250 Spike	Result 257.5	Qualifier	mg/Kg Clie	nt San	103	%Rec Limits 90 - 110 Lab Contro Prep %Rec	ol Sample Type: Se	e Du olub RF Lin
Matrix: Solid Analysis Batch: 60268 Analyte Chloride Lab Sample ID: LCSD 880-66 Matrix: Solid Analysis Batch: 60268 Analyte Chloride	 0092/3-A 		Added 250 Spike Added	Result 257.5 LCSD Result	Qualifier	mg/Kg Clie Unit	nt San	103 nple ID: %Rec	%Rec Limits 90 - 110 Lab Contro Prep %Rec Limits 90 - 110	ol Sample Type: Se 	e Du olub RF Lin
Matrix: Solid Analysis Batch: 60268 Analyte Chloride Lab Sample ID: LCSD 880-66 Matrix: Solid Analysis Batch: 60268 Analyte Chloride Lab Sample ID: 890-5076-1 I	 0092/3-A 		Added 250 Spike Added	Result 257.5 LCSD Result	Qualifier	mg/Kg Clie Unit	nt San	103 nple ID: %Rec	%Rec Limits 90 - 110 Lab Contro Prep %Rec Limits 90 - 110 Client Sar	ol Sample Type: So <u>RPD</u> 0 mple ID:	e Du olub RF Lin 2 BH0
Matrix: Solid Analysis Batch: 60268 Chloride Lab Sample ID: LCSD 880-60 Matrix: Solid Analysis Batch: 60268 Analyte Chloride Lab Sample ID: 890-5076-1 M	 0092/3-A 		Added 250 Spike Added	Result 257.5 LCSD Result	Qualifier	mg/Kg Clie Unit	nt San	103 nple ID: %Rec	%Rec Limits 90 - 110 Lab Contro Prep %Rec Limits 90 - 110 Client Sar	ol Sample Type: Se 	e Du olub RF Lin 2 BH0
Lab Sample ID: LCS 880-600 Matrix: Solid Analysis Batch: 60268 Analyte Chloride Lab Sample ID: LCSD 880-60 Matrix: Solid Analysis Batch: 60268 Analyte Chloride Lab Sample ID: 890-5076-1 M Matrix: Solid Analysis Batch: 60268	0092/3-A		Added 250 Spike Added 250	Result 257.5 LCSD Result 258.5	Qualifier LCSD Qualifier	mg/Kg Clie Unit	nt San	103 nple ID: %Rec	%Rec Limits 90 - 110 Lab Contro Prep %Rec Limits 90 - 110 Client San Prep	ol Sample Type: So <u>RPD</u> 0 mple ID:	e Du olub RP Lim 2 BH0
Matrix: Solid Analysis Batch: 60268 Chloride Lab Sample ID: LCSD 880-66 Matrix: Solid Analysis Batch: 60268 Analyte Chloride Lab Sample ID: 890-5076-1 M Matrix: Solid Analysis Batch: 60268	0092/3-A MS Sample	Sample	Added 250 Spike Added 250 Spike	Result 257.5 LCSD Result 258.5	Qualifier LCSD Qualifier MS	mg/Kg Clie Unit mg/Kg	D	103 nple ID: <u>%Rec</u> 103	%Rec Limits 90 - 110 Lab Contro Prep %Rec Limits 90 - 110 Client Sar Prep %Rec	ol Sample Type: So <u>RPD</u> 0 mple ID:	e Du olubi RP Lim 2 BH0
Matrix: Solid Analysis Batch: 60268 Chloride Lab Sample ID: LCSD 880-60 Matrix: Solid Analysis Batch: 60268 Analyte Chloride Lab Sample ID: 890-5076-1 M Matrix: Solid Analysis Batch: 60268 Analyte	0092/3-A MS Sample Result	Sample Qualifier	Added 250 Spike Added 250 Spike Added	Result 257.5 LCSD Result 258.5 MS Result	Qualifier LCSD Qualifier	mg/Kg Clie Unit mg/Kg Unit	nt San	103 nple ID: %Rec 103 %Rec	%Rec Limits 90 - 110 Lab Contro Prep %Rec Limits 90 - 110 Client Sau Prep %Rec Limits	ol Sample Type: So <u>RPD</u> 0 mple ID:	e Du olubi RP Lim 2 BH0
Matrix: Solid Analysis Batch: 60268 Analyte Chloride Lab Sample ID: LCSD 880-60 Matrix: Solid Analysis Batch: 60268 Analyte Chloride Lab Sample ID: 890-5076-1 M Matrix: Solid Analysis Batch: 60268 Analyte	0092/3-A MS Sample	-	Added 250 Spike Added 250 Spike	Result 257.5 LCSD Result 258.5	Qualifier LCSD Qualifier MS	mg/Kg Clie Unit mg/Kg	D	103 nple ID: <u>%Rec</u> 103	%Rec Limits 90 - 110 Lab Contro Prep %Rec Limits 90 - 110 Client Sar Prep %Rec	ol Sample Type: So <u>RPD</u> 0 mple ID:	e Du olub RP Lim 2 BH0
Matrix: Solid Analysis Batch: 60268 Analyte Chloride Lab Sample ID: LCSD 880-66 Matrix: Solid Analysis Batch: 60268 Analyte Chloride Lab Sample ID: 890-5076-1 M Matrix: Solid Analysis Batch: 60268 Analyte Chloride	0092/3-A MS 	-	Added 250 Spike Added 250 Spike Added	Result 257.5 LCSD Result 258.5 MS Result	Qualifier LCSD Qualifier MS	mg/Kg Clie Unit mg/Kg Unit	D	103 nple ID: %Rec 103 %Rec	%Rec Limits 90 - 110 Lab Contro Prep %Rec Limits 90 - 110 Client Sau Prep %Rec Limits 90 - 110	nl Sample Type: So <u>RPD</u> 0 mple ID: Type: So	le Du olub RF Lin 2 BH0 olub
Matrix: Solid Analysis Batch: 60268 Analyte Chloride Lab Sample ID: LCSD 880-64 Matrix: Solid Analysis Batch: 60268 Analyte Chloride Lab Sample ID: 890-5076-1 M Matrix: Solid Analysis Batch: 60268 Analyte Chloride	0092/3-A MS 	-	Added 250 Spike Added 250 Spike Added	Result 257.5 LCSD Result 258.5 MS Result	Qualifier LCSD Qualifier MS	mg/Kg Clie Unit mg/Kg Unit	D	103 nple ID: %Rec 103 %Rec	%Rec Limits 90 - 110 Lab Contro Prep %Rec Limits 90 - 110 Client San 90 - 110 Client San	nple ID:	e Du olub RF Lin BHC olub
Matrix: Solid Analysis Batch: 60268 Analyte Chloride Lab Sample ID: LCSD 880-66 Matrix: Solid Analysis Batch: 60268 Analyte Chloride Lab Sample ID: 890-5076-1 M Matrix: Solid Analyte Chloride Lab Sample ID: 890-5076-1 M	0092/3-A MS 	-	Added 250 Spike Added 250 Spike Added	Result 257.5 LCSD Result 258.5 MS Result	Qualifier LCSD Qualifier MS	mg/Kg Clie Unit mg/Kg Unit	D	103 nple ID: %Rec 103 %Rec	%Rec Limits 90 - 110 Lab Contro Prep %Rec Limits 90 - 110 Client San 90 - 110 Client San	nl Sample Type: So <u>RPD</u> 0 mple ID: Type: So	le Du olub RP Linr 2 BH0 olub
Matrix: Solid Analysis Batch: 60268 Analyte Chloride Lab Sample ID: LCSD 880-66 Matrix: Solid Analysis Batch: 60268 Analyte Chloride Lab Sample ID: 890-5076-1 M Matrix: Solid Analyte Chloride Lab Sample ID: 890-5076-1 M	0092/3-A MS 	-	Added 250 Spike Added 250 Spike Added	Result 257.5 LCSD Result 258.5 MS Result 558.4	Qualifier LCSD Qualifier MS	mg/Kg Clie Unit mg/Kg Unit	D	103 nple ID: %Rec 103 %Rec	%Rec Limits 90 - 110 Lab Contro Prep %Rec Limits 90 - 110 Client San 90 - 110 Client San	nple ID:	BH0 olub
Matrix: Solid Analysis Batch: 60268 Analyte Chloride Lab Sample ID: LCSD 880-60 Matrix: Solid Analysis Batch: 60268 Analyte Chloride Lab Sample ID: 890-5076-1 M	0092/3-A VIS <u>Result</u> 307 VISD Sample	Qualifier	Added 250 Spike Added 250 Spike Added 251	Result 257.5 LCSD Result 258.5 MS Result 558.4	Qualifier LCSD Qualifier MS Qualifier	mg/Kg Clie Unit mg/Kg Unit	D	103 nple ID: %Rec 103 %Rec	%Rec Limits 90 - 110 Lab Contro Prep %Rec Limits 90 - 110 Client Sau Prep %Rec Limits 90 - 110 Client Sau Prep	nple ID:	e Du olubl RP Lim 2 BH0 olubl

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QC Association Summary

Client: Ensolum Project/Site: PLU C-1 RECYCLE FACILITY Job ID: 890-5076-1

SDG: 03C1558251

GC VOA

Prep Batch: 60732

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
MB 880-60732/5-A	Method Blank	Total/NA	Solid	5035	
_					
Analysis Batch: 607	82				
Analysis Batch: 607 — Lab Sample ID	82 Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch

890-5076-1	BH02	Iotal/NA	Solid	8021B	60818	
890-5076-2	BH03	Total/NA	Solid	8021B	60818	
890-5076-3	BH04	Total/NA	Solid	8021B	60818	ï
890-5076-4	BH05	Total/NA	Solid	8021B	60818	
890-5076-5	BH06	Total/NA	Solid	8021B	60818	
MB 880-60732/5-A	Method Blank	Total/NA	Solid	8021B	60732	
MB 880-60818/5-A	Method Blank	Total/NA	Solid	8021B	60818	
LCS 880-60818/1-A	Lab Control Sample	Total/NA	Solid	8021B	60818	
LCSD 880-60818/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	60818	
890-5076-1 MS	BH02	Total/NA	Solid	8021B	60818	
890-5076-1 MSD	BH02	Total/NA	Solid	8021B	60818	

Prep Batch: 60818

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5076-1	BH02	Total/NA	Solid	5035	
890-5076-2	BH03	Total/NA	Solid	5035	
890-5076-3	BH04	Total/NA	Solid	5035	
890-5076-4	BH05	Total/NA	Solid	5035	
890-5076-5	BH06	Total/NA	Solid	5035	
MB 880-60818/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-60818/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-60818/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-5076-1 MS	BH02	Total/NA	Solid	5035	
890-5076-1 MSD	BH02	Total/NA	Solid	5035	

Analysis Batch: 60911

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
890-5076-1	BH02	Total/NA	Solid	Total BTEX	
890-5076-2	BH03	Total/NA	Solid	Total BTEX	
890-5076-3	BH04	Total/NA	Solid	Total BTEX	
890-5076-4	BH05	Total/NA	Solid	Total BTEX	
890-5076-5	BH06	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 60605

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
890-5076-1	BH02	Total/NA	Solid	8015NM Prep	
890-5076-2	BH03	Total/NA	Solid	8015NM Prep	
890-5076-3	BH04	Total/NA	Solid	8015NM Prep	
890-5076-4	BH05	Total/NA	Solid	8015NM Prep	
890-5076-5	BH06	Total/NA	Solid	8015NM Prep	
MB 880-60605/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-60605/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-60605/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-31900-A-14-F MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-31900-A-14-G MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

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QC Association Summary

Client: Ensolum Project/Site: PLU C-1 RECYCLE FACILITY

Job ID: 890-5076-1 SDG: 03C1558251

GC Semi VOA

Analysis Batch: 60637

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
890-5076-1	BH02	Total/NA	Solid	8015B NM	60605
890-5076-2	BH03	Total/NA	Solid	8015B NM	60605
890-5076-3	BH04	Total/NA	Solid	8015B NM	60605
890-5076-4	BH05	Total/NA	Solid	8015B NM	60605
890-5076-5	BH06	Total/NA	Solid	8015B NM	60605
MB 880-60605/1-A	Method Blank	Total/NA	Solid	8015B NM	60605
LCS 880-60605/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	60605
LCSD 880-60605/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	60605
880-31900-A-14-F MS	Matrix Spike	Total/NA	Solid	8015B NM	60605
880-31900-A-14-G MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	60605

Analysis Batch: 60823

LC3 000-00003/2-A	Lab Control Sample	Iotal/INA	Solid		00005	
LCSD 880-60605/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	60605	8
880-31900-A-14-F MS	Matrix Spike	Total/NA	Solid	8015B NM	60605	
880-31900-A-14-G MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	60605	9
Analysis Batch: 60823						10
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch	
890-5076-1	BH02	Total/NA	Solid	8015 NM		
890-5076-2	BH03	Total/NA	Solid	8015 NM		
890-5076-3	BH04	Total/NA	Solid	8015 NM		
890-5076-4	BH05	Total/NA	Solid	8015 NM		
890-5076-5	BH06	Total/NA	Solid	8015 NM		10
- HPLC/IC						13

HPLC/IC

Leach Batch: 60092

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5076-1	BH02	Soluble	Solid	DI Leach	
890-5076-2	BH03	Soluble	Solid	DI Leach	
890-5076-3	BH04	Soluble	Solid	DI Leach	
890-5076-4	BH05	Soluble	Solid	DI Leach	
890-5076-5	BH06	Soluble	Solid	DI Leach	
MB 880-60092/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-60092/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-60092/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-5076-1 MS	BH02	Soluble	Solid	DI Leach	
890-5076-1 MSD	BH02	Soluble	Solid	DI Leach	

Analysis Batch: 60268

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
890-5076-1	BH02	Soluble	Solid	300.0	60092
890-5076-2	BH03	Soluble	Solid	300.0	60092
890-5076-3	BH04	Soluble	Solid	300.0	60092
890-5076-4	BH05	Soluble	Solid	300.0	60092
890-5076-5	BH06	Soluble	Solid	300.0	60092
MB 880-60092/1-A	Method Blank	Soluble	Solid	300.0	60092
LCS 880-60092/2-A	Lab Control Sample	Soluble	Solid	300.0	60092
LCSD 880-60092/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	60092
890-5076-1 MS	BH02	Soluble	Solid	300.0	60092
890-5076-1 MSD	BH02	Soluble	Solid	300.0	60092

Project/Site: PLU C-1 RECYCLE FACILITY

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Job ID: 890-5076-1 SDG: 03C1558251

Lab Sample ID: 890-5076-1 Matrix: Solid

Lab Sample ID: 890-5076-2

Client Sample ID: BH02 Date Collected: 08/10/23 08:55 Date Received: 08/10/23 14:28

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			4.96 g	5 mL	60818	08/22/23 13:09	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60782	08/23/23 04:44	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			60911	08/23/23 12:26	AJ	EET MID
Total/NA	Analysis	8015 NM		1			60823	08/22/23 14:01	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	60605	08/18/23 18:17	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60637	08/21/23 17:04	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	60092	08/14/23 09:35	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	60268	08/15/23 01:39	SMC	EET MID

Client Sample ID: BH03

Date Collected: 08/10/23 10:25

Date Received: 08/10/23 14:28

	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	60818	08/22/23 13:09	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60782	08/23/23 05:04	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			60911	08/23/23 12:26	AJ	EET MID
Total/NA	Analysis	8015 NM		1			60823	08/22/23 14:01	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	60605	08/18/23 18:17	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60637	08/21/23 17:26	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	60092	08/14/23 09:35	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	60268	08/15/23 02:00	SMC	EET MID

Client Sample ID: BH04

Date Collected: 08/10/23 10:50

Date Received: 08/10/23 14:28

	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	60818	08/22/23 13:09	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60782	08/23/23 05:24	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			60911	08/23/23 12:26	AJ	EET MID
Total/NA	Analysis	8015 NM		1			60823	08/22/23 14:01	SM	EET MID
Total/NA	Prep	8015NM Prep			9.94 g	10 mL	60605	08/18/23 18:17	ткс	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60637	08/21/23 17:48	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	60092	08/14/23 09:35	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	60268	08/15/23 02:07	SMC	EET MID

Client Sample ID: BH05 Date Collected: 08/10/23 11:20 Date Received: 08/10/23 14:28

_	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	60818	08/22/23 13:09	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60782	08/23/23 05:45	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			60911	08/23/23 12:26	AJ	EET MID

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Matrix: Solid

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Lab Sample ID: 890-5076-3

Lab Sample ID: 890-5076-4

Matrix: Solid

Matrix: Solid

Project/Site: PLU C-1 RECYCLE FACILITY

Job ID: 890-5076-1 SDG: 03C1558251

Lab Sample ID: 890-5076-4 Matrix: Solid

Date Collected: 08/10/23 11:20 Date Received: 08/10/23 14:28

Client Sample ID: BH05

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			60823	08/22/23 14:01	SM	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10 mL	60605	08/18/23 18:17	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60637	08/21/23 18:10	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	60092	08/14/23 09:35	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	60268	08/15/23 02:14	SMC	EET MID

Client Sample ID: BH06 Date Collected: 08/10/23 11:50

Date Received: 08/10/23 14:28

	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	60818	08/22/23 13:09	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60782	08/23/23 06:05	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			60911	08/23/23 12:26	AJ	EET MID
Total/NA	Analysis	8015 NM		1			60823	08/22/23 14:01	SM	EET MID
Total/NA	Prep	8015NM Prep			9.92 g	10 mL	60605	08/18/23 18:17	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60637	08/21/23 18:31	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	60092	08/14/23 09:35	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	60268	08/15/23 02:22	SMC	EET MID

Laboratory References:

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

Lab Sample ID: 890-5076-5

Matrix: Solid

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Accreditation/Certification Summary

Client: Ensolum Project/Site: PLU C-1 RECYCLE FACILITY

Laboratory: Eurofins Midland

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

hority	I	Program	Identification Number	Expiration Date
as	1	NELAP	T104704400-23-26	06-30-24
The following analytes	are included in this report,	but the laboratory is not certif	ied by the governing authority. This list ma	ay include analytes for w
the agency does not o		Matrix		
Analysis Method	fer certification . Prep Method	Matrix	Analyte	
0,		Matrix Solid	Analyte Total TPH	

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Job ID: 890-5076-1

SDG: 03C1558251

Eurofins Carlsbad

Job ID: 890-5076-1 SDG: 03C1558251

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 8015B NM Diesel Range Organics (DRO) (GC) SW846 EET MID 800.0 Anions, lon Chromatography EPA EET MID 5035 Closed System Purge and Trap SW846 EET MID 8015NM Prep Microextraction SW846 EET MID 8015NM Prep Microextraction SW846 EET MID 8015NM Prep Microextraction SW846 EET MID DI Leach Deionized Water Leaching Procedure ASTM EET MID Protocol References: ASTM = ASTM International 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 EET MID	lethod	Method Description	Protocol	Laboratory
8015 NMDiesel Range Organics (DRO) (GC)SW846EET MID8015B NMDiesel Range Organics (DRO) (GC)SW846EET MID300.0Anions, Ion ChromatographyEPAEET MID5035Closed System Purge and TrapSW846EET MID8015NM PrepMicroextractionSW846EET MIDDI LeachDeionized Water Leaching ProcedureASTMEET MIDProtocol References:ASTM = ASTM InternationalEPA = US Environmental Protection AgencySW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates. TAL SOP = TestAmerica Laboratories, Standard Operating ProcedureKethods	021B	Volatile Organic Compounds (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 8015B NM Prep Microextraction SW846 EET MID 8015N Prep Microextraction SW846 EET MID DI Leach Deionized Water Leaching Procedure ASTM EET MID Protocol References: ASTM = ASTM International 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:	otal BTEX	Total BTEX Calculation	TAL SOP	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 References: ASTM = ASTM International 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:	015 NM	Diesel Range Organics (DRO) (GC)	SW846	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 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	015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015NM Prep Microextraction SW846 EET MID DI Leach Deionized Water Leaching Procedure ASTM EET MID Protocol References: ASTM = ASTM International 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: Laboratory References: Kaster Standard Operating Procedure	00.0	Anions, Ion Chromatography	EPA	EET MID
DI Leach Deionized Water Leaching Procedure ASTM EET MID Protocol References: ASTM = ASTM International EPA = US Environmental Protection Agency: SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates. TAL SOP = Test America Laboratories, Standard Operating Procedure Laboratory References:	035	Closed System Purge and Trap	SW846	EET MID
Protocol References: ASTM = ASTM International 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:	015NM Prep	Microextraction	SW846	EET MID
ASTM = ASTM International 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:	01 Leach	Deionized Water Leaching Procedure	ASTM	EET MID
Laboratory References:	SW846 = '	"Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third E	Edition, November 1986 And Its Updates.	
-	TAL SOP	= TestAmerica Laboratories, Standard Operating Procedure		
EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440	Laboratory R	eferences:		
	EET MID :	= Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-544	0	

Laboratory References:

Eurofins Carlsbad

Sample Summary

Client: Ensolum Project/Site: PLU C-1 RECYCLE FACILITY Job ID: 890-5076-1 SDG: 03C1558251

ab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
90-5076-1	BH02	Solid	08/10/23 08:55	08/10/23 14:28	1
90-5076-2	BH03	Solid	08/10/23 10:25	08/10/23 14:28	4
90-5076-3	BH04	Solid	08/10/23 10:50	08/10/23 14:28	3
90-5076-4	BH05	Solid	08/10/23 11:20	08/10/23 14:28	3
90-5076-5	BH06	Solid	08/10/23 11:50	08/10/23 14:28	3

Percent function Environment Testing Hauten Tr(281) 200-000, Data, Manager: Manager: B_Ch B_LIII. General Value Bill to (r/different) Namager: B_Ch B_LIII. Gompan Value Compan Value sezze: CAV LS/DAQ, NM COS22 Enail: GAVELS/DAQ Nume: 31/22 NATO Tam Around Tot PLA Nume: 03/22 NATO Tam Around Tot PLA Nume: 03/22 NATO Tam Around Tot PLA Nume: 03/22 No NM State Plant Colored Value Second Interview 03/22 No No Tot PLA IERCEEPT Tamp Blank: Ves No Wester Colored Value IERCEEPT Tamp Blank: Ves No Wester Colored Value Custody Seals: Yes No Immeranter Boding: -O -O Stateweid Intact: Yes No Immeranter Boding: -O -O Stateweid Intact: Yes No Immeranter Boding: -O -O Distory Seals: Yes No Immeranter Boding: -O -O Distory Seals: Yes No Intro So -O -O BH02 <	Revised Date: 08/25/2020 Rev. 2020.2		•		<			
Work Order No: Page of 1 Work Order Comments superfund superfund Work Order Comments superfund superfund Image: Im			× ×		1			
Work Order No: Page of 1 www.xenco.com Page 1 1 1 www.xenco.com None: No DI water: H ₂ O NeoH: Me wone: No DI water: H ₂ O NaOH: Na NaOH: Na h_3PO .: NAOH: Ascorbic Acid: SAPC NaOH: Na NaOH: Na naoH: Actid: Consolum 1 1 1 1 naoH: Ascorbic Acid: SAPC 1 1 1 1 naoH: Ascorbic Acid: SAPC			3 4		The the	10d	11.00	
Work Order No: Page of 1 www.xenco.com Page of 1 work Order Comments superfund superfund work Order Comments None: NO DI Wate:: H20 cool: Cool Mone: NO DI Wate:: H20 cool: Cool MeOH: Me H0.9; HN H1, P0 4; HP NaOH: Na NaOH: Na NaOH: Asso 4; NABIS NaOH: Na NaOH: Na NaOH: Asso 5; NaSO 3 Zn Acetate: H30 NaOH: Na NaOH: Asso 6; NAOH: Asso 7 NaOH: Na NaOH: Na NaOH: Asso 7 Stor 0 NaOH: Na NOCI (III (P C) SO I UM) NOCI (III (P C) SO I UM) NO				re)	Received by: (Signatu	(Signature)	Relinquished by:	
Work Order No: Page of 1 Work Order Comments Work Order Comments Superfund olject: LevelIII PST/UST TRRP Superfund ces: EDD ADaPT Other: Preservative Codes H H, PO, HP None: NO DI Wate:: H ₂ O Cool: Cool MeOH: Me H, PO, HP Napo 4; H2 NaOH: NABIS NaOH: Na NaOH: Na Na, S2, O3; NASO 3 Zn Acetate-NaOH: Zn NaOH: Ascribic Acid: SAPC NAOH HD P 2.3 LIGOHT ## : NAOH: Ascribic Acid: SAPC NAOH HOD (2.3) LIGOHT ## : NAOH: Ascribic Acid: SAPC NAOH HOD (2.3) LIGOHT ## : NAOH: Ascribic Acid: SAPC Mi K Se Ag SiO ₂ Na Sr TI Sn U V Zn H9; 1631/ 245.1 / 7470 / 7471 H9; 1631/ 245.1 / 7470 / 7471		reviously negotiated.	es incurred by the client if such losses are due to circumstances beyon rofins Xenco, but not analyzed. These terms will be enforced unless processing the second se	ponsibility for any losses or expens 55 for each sample submitted to Eu	ples and shall not assume any res to each project and a charge of t	II be liable only for the cost of sam m charge of \$85.00 will be applied	service. Eurofins Xenco wi Eurofins Xenco. A minimu	
Eurorement Testing Neuron Testing Neu	1/14/0/14/1		o As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se rexence, its affiliates and subcontractors, it assigns standard terms	SPLP 6010 : 8RCRA S	alyzed TCLP /	and Metal(s) to be ana ment and relinquishment of same	ircle Method(s) a	
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Formane Environment Testing Houten, Tr (281) 240-200, Dallas, Tr (271) 920-2020 Work Order No:				Y	10:50		RHNH	
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Environment Testing Housen TK281240-400, Delas, TK214190-2000 Work Order No:: Manage: BCD BCIIII Elsen TK281298-343, Libbolt, TK214190-2000 Work Order No:: Manage: BCD BCIIII Elsen TK281298-343, Libbolt, TK214190-2000 Work Order Comments Manage: FTMS_OILUT Elsen TK281298-343, Libbolt, TK2101938-343, Libbolt, TK21019	Incident # :		-	1 6 1	-	5	BH02	
Environment Testing Housen Tr(20120-2000, DBL, Tr(201920-2000, Midlard Tr(201902-2000, Midlard Tr(201902	Sample Comments		T	Grab/ Comp	Date Sampled		Sample Ident	
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Received by OCD: 6/4/2024 9:36:12 AM

1089 N Canal St. Carlsbad NM 88220 Phone 575-988-3199 Fax: 575-988-3199		Chain	of Cus	Chain of Custody Record	Reco	rd								ККП							Environment Testing
Client Information (Sub Contract Lab)	Sampler			Lab PM. Krame	7 1	Jessica							Carrier	Tracking No(s)	ng No	(S)			80 80 80 80	COC № 890-1426 1	
Client Contact Shipping/Receiving	Phone.			E-Mail Jessi	E-Mail Jessica Kramer@et.eurofinsus com	amer@	ĝet.e	urofi	nsus	com		70	State of Origin: New Mexico		0				P P	Page Page 1 of 1	
Company Eurofins Environment Testing South Centr					Accreditations Requ	Accreditations Required (See note): NELAP - Texas	Requ	ired (S	èe no	te):		ļ							ы В С	Job #: 900-5076-1	
Address 1211 W Florida Ave	Due Date Requested 8/16/2023	đ			+				<u>A</u>	nalvsis		Requested	Pet	5					- 29 9	ation Cod	: 0
City Midland	TAT Requested (days):	ays):												²				W -38	⊂		M Hexane N None O AsNaO2
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Project Name: PLU C-1 RECYCLE FACILITY	Project #: 89000093					_S_Pre		EACH	OD) BT									ninari	9 <i>11:02:02:0</i> 2		W pH 4-5 Y - Trizma 7 other (snecify)
Site	SSOW#:					015NM_		D/DI_LI	Calc (M	۶V										Other.	
	<u></u>	2	Sample	Matrix (W=water S=solid,	Filtered orm MS/N	NM/	NOD_Calo	DRGFM_28	3/5035FP_	BTEX_GO			· · · · · ·					Number			
Sample Identification - Client ID (Lab ID)	Sample Date	Time	G=grab)	O=waste/oil, BT=Tissue, A=Alr	Field	8015	8015	300_0	8021	Total								Total		Special Incl	Francisco Aloto.
	M	M	Preserva	Preservation Code:	X			n sta		A. S.						A.		J.	$ \rightarrow$		
BH02 (890-5076-1)	8/10/23	08 55 Mountain		Solid		×	×	×	×	×								4	200000		
BH03 (890-5076-2)	8/10/23	10 25 Mountain		Solid		×	×	×	×	×				-+				<u>a</u>	<u> </u>		
BH04 (890-5076-3)	8/10/23	10 50 Mountain		Solid		×	×	×	×	×								<u>_</u>	2760		
BH05 (890-5076-4)	8/10/23	11 20 Mountain		Solid		×	×	×	×	×	_							4	<u></u>		
BH06 (890-5076-5)	8/10/23	11 50 Mountain		Solid		×	×	×	×	×									COM		
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					++						$\left \right $	┥	+-+	┼─┼	<u> </u>	┨┣-	┨	7	<u>tera te</u>		
Note Since laboratory accreditations are subject to change Eurofins Environment Testing South Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed the samples must be shipped back to the Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC attention immediately.	I ment Testing South Centr ed above for analysis/tests h Central, LLC attention in	al, LLC places /matrix being a /mediately If	L the ownership analyzed the s all requested a	o of method, an amples must b accreditations a	alyte & ac e shippec re current	back t	o the retu	ompliz Eurofii	Ince u ns Env signe	pon o ironm	ar subc	iontra sting :	t labo	ratorie Centra		is san	ance i	o Eur	nt is f er ins	onwarded under chai tructions will be prov Environment Testing	in-of-custody If the ided Any changes to South Central. LLC.
Possible Hazard Identification Unconfirmed					Sa	Sample Disposal (A	le Disposal (A f Return To Client	To	lient A	fee n	nay b		assessed if san	ed if	sam	ples	are	retai	ned	fee may be assessed if samples are retained longer than 1 m	1 month)
Deliverable Requested I, II III IV Other (specify)	Primary Deliverable Rank. 2	able Rank.	Ν		ds	Special Instructions/Q	Instru	uction	NQ/81	Re	C Requirements	nent	.								montro
Empty Kit Relinguished by		Date			Time.		>						3	Method of Shipment:	ofSt	ipmer	Ŧ				
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Custody Seals Intact: Custody Seal No						Coole	Cooler Temperature(s	Iperati	\sim	°Can	and Other Remarks	Dem						1			

5

Job Number: 890-5076-1 SDG Number: 03C1558251

List Source: Eurofins Carlsbad

Login Sample Receipt Checklist

Client: Ensolum

Login Number: 5076 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	
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: 890-5076-1 SDG Number: 03C1558251

List Source: Eurofins Midland

List Creation: 08/14/23 08:11 AM

Login Sample Receipt Checklist

Client: Ensolum

Login Number: 5076 List Number: 2 Creator: Kramer, Jessica

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.	True	
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 E

NMOCD Notifications

Foust, Bryan Jacob

From:	Green, Garrett J
Sent:	Tuesday, May 30, 2023 10:24 PM
То:	Enviro, OCD, EMNRD; Bratcher, Michael, EMNRD; Hamlet, Robert, EMNRD; Harimon, Jocelyn, EMNRD
Cc:	DelawareSpills /SM; Pennington, Shelby G
Subject:	XTO 24 Hour Notification - PLU C1 Water Line.
Follow Up Flag:	Follow up
Flag Status:	Flagged

All,

This is notification of a release greater than 25 barrels that occurred yesterday at the PLU C1 Water Line near the GPS coordinates given below. Details will be provided with a form C-141. Please contact us with any questions or concerns.

GPS: 32.21393,-103.86066

Thank you,

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

From:	Hamlet, Robert, EMNRD
To:	Collins, Melanie Suzanne
Cc:	<u>Green, Garrett J; DelawareSpills /SM; Ben Belill; Ashley Ager; Ashley Giovengo; Bratcher, Michael, EMNRD; Wells,</u> <u>Shelly, EMNRD; Velez, Nelson, EMNRD</u>
Subject:	(Extension Approval) - XTO - PLU C-1 Recycle Facility - Incident Number NAPP2316047464
Date:	Friday, August 25, 2023 5:39:31 PM
Attachments:	image003.png

[**EXTERNAL EMAIL**]

RE: Incident #NAPP2316047464

Melanie,

Your request for an extension to **November 25th, 2023** is approved. 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: Friday, August 25, 2023 3:27 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 - PLU C-1 Recycle Facility - Incident Number NAPP2316047464

From: Collins, Melanie <<u>melanie.collins@exxonmobil.com</u>>
Sent: Friday, August 25, 2023 12:19 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>>; bbelill@ensolum.com; Ashley Ager <<u>aager@ensolum.com</u>>;
Subject: [EXTERNAL] XTO - Extension Request - PLU C-1 Recycle Facility - Incident Number
NAPP2316047464

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

All,

XTO is requesting an extension for the current deadline of August 27, 2023 for submitting a remediation work plan or closure report required in 19.15.29.12.B.(1) NMAC at the PLU C-1 Recycle Facility (Incident Number NAPP2316047464). The release occurred on May 27, 2023, and initial site assessment and delineation activities have been conducted. Based on delineation soil sample laboratory analytical results, excavation of impacted soil is needed. In order to complete delineation and excavation activities, review laboratory analytical results, and submit a remediation work plan or closure report, XTO requests an extension until November 25, 2023.

Thank you,



From:	Collins, Melanie
To:	Ben Belill; Green, Garrett J
Subject:	FW: XTO - Sampling Notification (Week of 8/7/23 - 8/11/23)
Date:	Monday, August 28, 2023 9:32:07 AM
Attachments:	image001.png

[**EXTERNAL EMAIL**]

Here you go!



From: Collins, Melanie
Sent: Thursday, August 3, 2023 10:20 AM
To: ocd.enviro (ocd.enviro@emnrd.nm.gov) <ocd.enviro@emnrd.nm.gov>; Hamlet, Robert, EMNRD (Robert.Hamlet@emnrd.nm.gov) <Robert.Hamlet@emnrd.nm.gov>; Bratcher, Michael, EMNRD (mike.bratcher@emnrd.nm.gov) <mike.bratcher@emnrd.nm.gov>; Harimon, Jocelyn, EMNRD (Jocelyn.Harimon@emnrd.nm.gov) <Jocelyn.Harimon@emnrd.nm.gov>
Cc: Green, Garrett J <garrett.green@exxonmobil.com>
Subject: XTO - Sampling Notification (Week of 8/7/23 - 8/11/23)

All,

XTO plans to complete final sampling activities at the sites listed below for the week of August 7, 2023.

Thursday

• PLU C-1 Recycle Facility / nAPP2316047464

Friday

• BEU 70 / NAPP2318139530

Thank you,

Melaníe Collins

Environmental Technician melanie.collins@exxonmobil.com


APPENDIX B

Photographic Log









APPENDIX B

Lithologic / Soil Sampling Logs

								Sample Name: BH07	Date: 2/28/2024
								Site Name: PLUC 1 Recycle Facility	5410. 2/20/2024
			N		ΟΙ	. U	Ν	Incident Number: nAPP231604746	4
and the second								Job Number: 03C1558251	
			061		SAMPLING	LOG		Logged By: M. O'Dell	Method: Hand Auger
Coord				3.860771				Hole Diameter: 6"	Total Depth: 4'
					IACH Chloride	Test Strips ar	nd PID for c	hloride and vapor, respectively. Chloride	
								0% correction factor.	
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Des	criptions
D	<162.4	0.0	N	BH07	0.5	0.5	SW	Sand. Reddish brown, very f well graded, trace CCHE, dry	
D	<162.4	0.0	Ν	BH07A	1	1	SP	Sand. Reddish brown, very f poorly graded, trace CCHE, c	
D	<162.4	0.0	N	BH07B	2	2			
D	<162.4	0.0	N	BH07C	3	3		No CCHE.	
D	<162.4	0.0	N	BH07D	4	4			
						Total D	epth @	4' bgs.	
				\searrow					
					\searrow				
						$\overline{}$			
							$\overline{\ }$		

24	Date: 2/28/2024	Sample Name: BH08								
		Site Name: PLUC 1 Recycle Facility								
	4	Incident Number: nAPP231604746			ΟΙ					
		Job Number: 03C1558251								
l Auger	Method: Hand Auge	Logged By: M. O'Dell		G LOG	SAMPLING		OGI	LITHOL		
	Total Depth: 4'	Hole Diameter: 6"				-			inates: 32	Coord
with 1:4	test performed with 1:	hloride and vapor, respectively. Chloride 0% correction factor.								
	criptions	Lithologic Des	USCS/Rock Symbol	Depth (ft bgs)	Sample Depth (ft bgs)	Sample ID	Staining	Vapor (ppm)	Chloride (ppm)	Moisture Content
ained,	ne to fine grained	Sand. Reddish brown, very fi well graded, trace CCHE, dry	SW	L 0.5	0.5	BH08	N	0.0	<162.4	D
ained,		Sand. Reddish brown, very fi poorly graded, trace CCHE, d	SP	1	1	BH08A	N	0.0	<162.4	D
		No CCHE.		2	2	BH08B	N	0.0	<162.4	D
				3	3 _	BH08C	N	0.0	<162.4	D
				4	4	BH08D	N	0.0	<162.4	D
		4' bgs.	epth @	Total D			-			
									\searrow	
		$\overline{\}$								
	\sim									
	\sim									
$\overline{}$										

								Sample Name: BH09	Date: 2/28/2024
								Site Name: PLUC 1 Recycle Facility	2 4 4 6 7 2 7 2
			N	2	ΟΙ			Incident Number: nAPP231604746	4
								Job Number: 03C1558251	
		LITHOL	OGI		SAMPLING	6 LOG		Logged By: M. O'Dell	Method: Hand Auger
Coord	linates: 32							Hole Diameter: 6"	Total Depth: 4'
								hloride and vapor, respectively. Chloride 0% correction factor.	e test performed with 1:4
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Des	criptions
D	<162.4	0.0	Ν	BH09	0.5	0.5	SW	Sand. Reddish brown, very f well graded, trace CCHE, dry	ine to fine grained,
D	<162.4	0.0	Ν	BH09A	1	1	SP	Sand. Reddish brown, very f poorly graded, dry.	ine to fine grained,
D	<162.4	0.0	N	BH09B	2	2			
D	<162.4	0.0	N	вно9С	3 _	- 3			
D	<162.4	0.0	N	BH09D	4	4			
/						Total D	epth @	4' bgs.	
	$\overline{}$								
								$\overline{\}$	
									\searrow

								Sample Name: BH10	Date: 2/28/2024
								Site Name: PLUC 1 Recycle Facility	Dute: 2/20/2024
			N		ΟΙ		Ν	Incident Number: nAPP231604746	4
								Job Number: 03C1558251	
1		LITHOI	OGI		SAMPLING	i log		Logged By: M. O'Dell	Method: Hand Auger
Coord	inates: 32							Hole Diameter: 6"	Total Depth: 4'
Comm	ents: Field	screening	cond	ucted with H				hloride and vapor, respectively. Chlorido 0% correction factor.	e test performed with 1:4
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Des	criptions
D	<162.4	0.0	Ν	BH10	0.5	L 0.5	SW	Sand. Reddish brown, very f well graded, dry.	ine to fine grained,
D	<162.4	0.0	Ν	BH10A	1 _	1	SP	Sand. Reddish brown, very f poorly graded, dry.	ine to fine grained,
D	<162.4	0.0	N	BH10B	2	2			
D	347.2	0.0	N	BH10C	3	3			
D	498.4	0.0	N	BH10D	4	4			
						Total D	epth @	4' bgs.	
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APPENDIX D

Laboratory Analytical Reports & Chain-of-Custody Documentation



Environment Testing

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PREPARED FOR

ANALYTICAL REPORT

Attn: Ben Belill Ensolum 601 N. Marienfeld St. Suite 400 Midland, Texas 79701 Generated 3/4/2024 8:28:19 PM

JOB DESCRIPTION

PLU C-1 Recycle Facility 03C1558251

JOB NUMBER

890-6267-1

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 3/4/2024 8:28:19 PM

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

Eurofins Carlsbad is a laboratory within Eurofins Environment Testing South Central, LLC, a company within Eurofins Environment Testing Group of Companies

SDG: 03C1558251

Laboratory Job ID: 890-6267-1

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QC Sample Results	23
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Method Summary	40
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	Definitions/Glossary	
Client: Ensolu Project/Site: I	Im Job ID: 890-6267-1 PLU C-1 Recycle Facility SDG: 03C1558251	
Qualifiers		3
GC VOA Qualifier	Qualifier Description	4
*1	LCS/LCSD RPD exceeds control limits.	
S1+	Surrogate recovery exceeds control limits, high biased.	5
U	Indicates the analyte was analyzed for but not detected.	
GC Semi VO	Δ.	
Qualifier	Qualifier Description	
*+	LCS and/or LCSD is outside acceptance limits, high biased.	. 7
S1+	Surrogate recovery exceeds control limits, high biased.	
U	Indicates the analyte was analyzed for but not detected.	8
HPLC/IC		
Qualifier	Qualifier Description	9
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	10
%R	Percent Recovery	
CFL	Contains Free Liquid	4.9
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)

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
- MPNMost Probable NumberMQLMethod Quantitation Limit
- NC Not Calculated
 - 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 Contr

ND

- 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

Case Narrative

Job ID: 890-6267-1

Client: Ensolum Project: PLU C-1 Recycle Facility

Job ID: 890-6267-1

Eurofins Carlsbad

Job Narrative 890-6267-1

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 2/27/2024 3:39 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 2.0°C.

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: FS01 (890-6267-1), FS02 (890-6267-2), FS03 (890-6267-3), FS04 (890-6267-4), FS05 (890-6267-5), SW01 (890-6267-6), SW02 (890-6267-7), FS06 (890-6267-8), FS07 (890-6267-9), FS08 (890-6267-10), FS09 (890-6267-11), FS10 (890-6267-12), FS11 (890-6267-13), FS12 (890-6267-14), SW03 (890-6267-15), SW04 (890-6267-16), FS14 (890-6267-17), FS15 (890-6267-18), FS16 (890-6267-19) and FS17 (890-6267-20).

GC VOA

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-74450 and analytical batch 880-74455 was outside the upper control limits.

Method 8021B: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 880-74450 and analytical batch 880-74455 recovered outside control limits for the following analytes: o-Xylene.

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 880-74498 and analytical batch 880-74513 was outside the upper control limits.

Method 8015MOD_NM: The laboratory control sample (LCS) associated with preparation batch 880-74498 and analytical batch 880-74513 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

Method 8015MOD_NM: The continuing calibration verification (CCV) associated with batch 880-74513 recovered above the upper control limit for Diesel Range Organics (Over C10-C28). The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is impacted: (CCV 880-74513/5).

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 - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-74221 and analytical batch 880-74486 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.

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Client Sample Results

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Job ID: 890-6267-1 SDG: 03C1558251

Lab Sample ID: 890-6267-1

Client Sample ID: FS01

Date Collected: 02/26/24 10:25 Date Received: 02/27/24 15:39

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0.00199	U	0.00199	mg/Kg		03/01/24 08:24	03/01/24 12:44	
Toluene	<0.00199	U	0.00199	mg/Kg		03/01/24 08:24	03/01/24 12:44	
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		03/01/24 08:24	03/01/24 12:44	
n-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		03/01/24 08:24	03/01/24 12:44	
o-Xylene	<0.00199	U *1	0.00199	mg/Kg		03/01/24 08:24	03/01/24 12:44	
Kylenes, Total	<0.00398	U	0.00398	mg/Kg		03/01/24 08:24	03/01/24 12:44	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	98		70 - 130			03/01/24 08:24	03/01/24 12:44	
1,4-Difluorobenzene (Surr)	108		70 - 130			03/01/24 08:24	03/01/24 12:44	
Method: TAL SOP Total BTEX - T	otal BTEX Calo	culation						
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Total BTEX	<0.00398	U	0.00398	mg/Kg			03/01/24 12:44	
Method: SW846 8015 NM - Diese	I Range Organ	ics (DRO) (GC)					
Analyte	- Result <50.4	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
/lethod: SW846 8015B NM - Dies			(60)	mg/Kg				
Analyte		Qualifier		Unit	D	Prepared	Analyzed	Dil Fa
Gasoline Range Organics GRO)-C6-C10	<50.4	U	50.4	mg/Kg		03/01/24 14:27	03/02/24 11:28	
Diesel Range Organics (Over	<50.4	U *+	50.4	mg/Kg		03/01/24 14:27	03/02/24 11:28	
C10-C28) DII Range Organics (Over C28-C36)	<50.4	U	50.4	mg/Kg		03/01/24 14:27	03/02/24 11:28	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
-Chlorooctane		Quanner	70 - 130			03/01/24 14:27	03/02/24 11:28	
p-Terphenyl	124		70 - 130			03/01/24 14:27	03/02/24 11:28	
Method: EPA 300.0 - Anions, Ion	Chromatogram	hy - Solubl	e					
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Chloride	62.9	F1	5.04	mg/Kg			03/03/24 18:08	
lient Sample ID: FS02						Lab Sar	nple ID: 890-	6267-
te Collected: 02/26/24 10:30							Matri	x: Soli
ate Received: 02/27/24 15:39								
Method: SW846 8021B - Volatile								
Analyta	Decult	Qualifiar	DI	Unit		Droparod	Applyzod	

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	mg/Kg		03/01/24 08:24	03/01/24 13:04	1
Toluene	<0.00202	U	0.00202	mg/Kg		03/01/24 08:24	03/01/24 13:04	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		03/01/24 08:24	03/01/24 13:04	1
m-Xylene & p-Xylene	<0.00403	U	0.00403	mg/Kg		03/01/24 08:24	03/01/24 13:04	1
o-Xylene	<0.00202	U *1	0.00202	mg/Kg		03/01/24 08:24	03/01/24 13:04	1
Xylenes, Total	<0.00403	U	0.00403	mg/Kg		03/01/24 08:24	03/01/24 13:04	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130			03/01/24 08:24	03/01/24 13:04	1
1,4-Difluorobenzene (Surr)	110		70 - 130			03/01/24 08:24	03/01/24 13:04	1

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Matrix: Solid

5

Client: Ensolum Project/Site: PLU C-1 Recycle Facility

Client Sample Results

Job ID: 890-6267-1 SDG: 03C1558251

Matrix: Solid

5

Client Sample ID: FS02

Client: Ensolum

Date Collected: 02/26/24 10:30 Date Received: 02/27/24 15:39

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403	mg/Kg			03/01/24 13:04	1
Method: SW846 8015 NM - Diese	I Range Organ	ics (DRO) (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5	mg/Kg			03/02/24 12:34	1
Method: SW846 8015B NM - Dies	el Range Orga	nics (DRO)	(GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.5	U	50.5	mg/Kg		03/01/24 14:27	03/02/24 12:34	1
(GRO)-C6-C10								
Diesel Range Organics (Over	<50.5	U *+	50.5	mg/Kg		03/01/24 14:27	03/02/24 12:34	1
C10-C28)								
Oll Range Organics (Over C28-C36)	<50.5	U	50.5	mg/Kg		03/01/24 14:27	03/02/24 12:34	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane			70 - 130			03/01/24 14:27	03/02/24 12:34	1
o-Terphenyl	126		70 - 130			03/01/24 14:27	03/02/24 12:34	1
Method: EPA 300.0 - Anions, Ion	Chromatograp	hy - Solubl	e					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	82.0		5.02	mg/Kg			03/03/24 18:38	1
lient Sample ID: FS03							nple ID: 890-	

Date Received: 02/27/24 15:39

Method: SW846 8021B - Volatile Organic Compounds (GC) Analyte **Result Qualifier** RL Unit D Prepared Analyzed Dil Fac Benzene <0.00201 U 0.00201 03/01/24 08:24 03/01/24 13:25 mg/Kg 1 03/01/24 08:24 Toluene <0.00201 U 0.00201 03/01/24 13:25 mg/Kg 1 Ethylbenzene <0.00201 U 0.00201 03/01/24 08:24 03/01/24 13:25 mg/Kg 1 03/01/24 08:24 m-Xylene & p-Xylene <0.00402 U 0.00402 mg/Kg 03/01/24 13:25 1 o-Xylene <0.00201 U*1 0.00201 mg/Kg 03/01/24 08:24 03/01/24 13:25 1 Xylenes, Total <0.00402 U 0.00402 03/01/24 08:24 03/01/24 13:25 mg/Kg 1 %Recovery Qualifier Limits Dil Fac Prepared Analyzed Surrogate 70 - 130 03/01/24 08:24 03/01/24 13:25 4-Bromofluorobenzene (Surr) 101 1 1,4-Difluorobenzene (Surr) 107 70 - 130 03/01/24 08:24 03/01/24 13:25 1

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			03/01/24 13:25	1
Method: SW846 8015 NM - Die	sel Range Organ	ics (DRO) (G	SC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			03/02/24 12:56	1
Method: SW846 8015B NM - Di	iesel Range Orga	nics (DRO)	(GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.9	U	49.9	mg/Kg		03/01/24 14:27	03/02/24 12:56	1
(GRO)-C6-C10								
	<49.9	11 *+	49.9	mg/Kg		03/01/24 14:27	03/02/24 12:56	1
Diesel Range Organics (Over	~49.9	0 1	40.0	ing/itg		00/01/24 14.27	00,02,24 12.00	

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Lab Sample ID: 890-6267-2

Job ID: 890-6267-1 SDG: 03C1558251

Matrix: Solid

5

12 13

Lab Sample ID: 890-6267-3

Client Sample ID: FS03

Client: Ensolum

Date Collected: 02/26/24 10:35 Date Received: 02/27/24 15:39

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		03/01/24 14:27	03/02/24 12:56	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	113		70 - 130			03/01/24 14:27	03/02/24 12:56	1
o-Terphenyl	121		70 - 130			03/01/24 14:27	03/02/24 12:56	1
Method: EPA 300.0 - Anions, Ion	Chromatograp	ohy - Solubl	e					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	108		5.02	mg/Kg			03/03/24 18:48	1
Client Sample ID: FS04						Lab San	nple ID: 890-	6267-4
Date Collected: 02/26/24 11:10							-	x: Solid

Date Collected: 02/26/24 11:10

Date Received: 02/27/24 15:39

Method: SW846 8021B - Volati	ile Organic Comp	ounds (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		03/01/24 08:24	03/01/24 13:45	1
Toluene	<0.00200	U	0.00200	mg/Kg		03/01/24 08:24	03/01/24 13:45	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		03/01/24 08:24	03/01/24 13:45	1
m-Xylene & p-Xylene	<0.00401	U	0.00401	mg/Kg		03/01/24 08:24	03/01/24 13:45	1
o-Xylene	<0.00200	U *1	0.00200	mg/Kg		03/01/24 08:24	03/01/24 13:45	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		03/01/24 08:24	03/01/24 13:45	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130			03/01/24 08:24	03/01/24 13:45	1
1,4-Difluorobenzene (Surr)	118		70 - 130			03/01/24 08:24	03/01/24 13:45	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401	mg/Kg			03/01/24 13:45	1

	Method: SW846 8015 NM - Diesel Rang	e Organ	ics (DRO) (G	C)					
4	Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Ĺī	Fotal TPH	<49.7	U	49.7	mg/Kg			03/02/24 13:18	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.7	U	49.7	mg/Kg		03/01/24 14:27	03/02/24 13:18	1
(GRO)-C6-C10								
Diesel Range Organics (Over	<49.7	U *+	49.7	mg/Kg		03/01/24 14:27	03/02/24 13:18	1
C10-C28)								
Oll Range Organics (Over C28-C36)	<49.7	U	49.7	mg/Kg		03/01/24 14:27	03/02/24 13:18	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	107		70 - 130			03/01/24 14:27	03/02/24 13:18	1
o-Terphenyl	116		70 - 130			03/01/24 14:27	03/02/24 13:18	1
Method: EPA 300.0 - Anions, Ion	Chromatograp	ohy - Solubl	e					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	63.3		5.01	mg/Kg			03/03/24 18:58	1

Client Sample Results

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Matrix: Solid

5

Job ID: 890-6267-1 SDG: 03C1558251

Lab Sample ID: 890-6267-5

Client Sample ID: FS05 Date Collected: 02/26/24 11:15

Client: Ensolum

Date Received: 02/27/24 15:39

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0.00200	U	0.00200	mg/Kg		03/01/24 08:24	03/01/24 14:06	
Toluene	<0.00200	U	0.00200	mg/Kg		03/01/24 08:24	03/01/24 14:06	
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		03/01/24 08:24	03/01/24 14:06	
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		03/01/24 08:24	03/01/24 14:06	
o-Xylene	<0.00200	U *1	0.00200	mg/Kg		03/01/24 08:24	03/01/24 14:06	
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		03/01/24 08:24	03/01/24 14:06	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	114		70 - 130			03/01/24 08:24	03/01/24 14:06	
1,4-Difluorobenzene (Surr)	105		70 - 130			03/01/24 08:24	03/01/24 14:06	
Method: TAL SOP Total BTEX - T	otal BTEX Calo	culation						
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Total BTEX	<0.00399	U	0.00399	mg/Kg			03/01/24 14:06	
Method: SW846 8015 NM - Diese								
Analyte Total TPH	- Result <49.6	Qualifier		Unit mg/Kg	D	Prepared	Analyzed 03/02/24 13:40	Dil Fa
	Result	Qualifier		Unit	D	Prepared	Analyzed	Dil Fa
Analyte					D	Prepared 03/01/24 14:27	Analyzed	Dil Fa
Gasoline Range Organics (GRO)-C6-C10				mg/Kg				
Diesel Range Organics (Over C10-C28)	<49.6	U ^+	49.6	mg/Kg		03/01/24 14:27	03/02/24 13:40	
Oll Range Organics (Over C28-C36)	<49.6	U	49.6	mg/Kg		03/01/24 14:27	03/02/24 13:40	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
1-Chlorooctane	90		70 - 130			03/01/24 14:27	03/02/24 13:40	
o-Terphenyl	100		70 - 130			03/01/24 14:27	03/02/24 13:40	
Method: EPA 300.0 - Anions, Ion	Chromatograp	ohy - Solubl	e					
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Chloride	90.9		4.97	mg/Kg			03/03/24 19:08	
lient Sample ID: SW01						Lab Sar	nple ID: 890-	
ate Collected: 02/26/24 11:20 ate Received: 02/27/24 15:39							Matri	x: Soli
Method: SW846 8021B - Volatile	Organic Comp	ounds (GC)						
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Ponzono	<0.00109		0.00109	malka		02/01/24 00:24	02/01/24 14:26	

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	< 0.00198	U	0.00198	mg/Kg		03/01/24 08:24	03/01/24 14:26	1
Toluene	<0.00198	U	0.00198	mg/Kg		03/01/24 08:24	03/01/24 14:26	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		03/01/24 08:24	03/01/24 14:26	1
m-Xylene & p-Xylene	<0.00397	U	0.00397	mg/Kg		03/01/24 08:24	03/01/24 14:26	1
o-Xylene	<0.00198	U *1	0.00198	mg/Kg		03/01/24 08:24	03/01/24 14:26	1
Xylenes, Total	<0.00397	U	0.00397	mg/Kg		03/01/24 08:24	03/01/24 14:26	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	123		70 - 130			03/01/24 08:24	03/01/24 14:26	1
1,4-Difluorobenzene (Surr)	110		70 - 130			03/01/24 08:24	03/01/24 14:26	1

Job ID: 890-6267-1 SDG: 03C1558251

Matrix: Solid

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Lab Sample ID: 890-6267-6

Client Sample ID: SW01

Client: Ensolum

Date Collected: 02/26/24 11:20 Date Received: 02/27/24 15:39

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397	mg/Kg			03/01/24 14:26	1
Method: SW846 8015 NM - Diese	Range Organ	ics (DRO) (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.2	U	50.2	mg/Kg			03/02/24 14:02	1
Method: SW846 8015B NM - Dies	el Range Orga	nics (DRO)	(GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.2	U	50.2	mg/Kg		03/01/24 14:27	03/02/24 14:02	1
(GRO)-C6-C10								
Diesel Range Organics (Over	<50.2	U *+	50.2	mg/Kg		03/01/24 14:27	03/02/24 14:02	1
C10-C28)								
Oll Range Organics (Over C28-C36)	<50.2	U	50.2	mg/Kg		03/01/24 14:27	03/02/24 14:02	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	104		70 - 130			03/01/24 14:27	03/02/24 14:02	1
o-Terphenyl	112		70 - 130			03/01/24 14:27	03/02/24 14:02	1
Method: EPA 300.0 - Anions, Ion	Chromatograp	hy - Solubl	e					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	99.9		4.63	mg/Kg			03/03/24 19:37	

Date Collected: 02/26/24 11:25 Date Received: 02/27/24 15:39

Matrix: Solid

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		03/01/24 08:24	03/01/24 14:47	1
Toluene	<0.00200	U	0.00200	mg/Kg		03/01/24 08:24	03/01/24 14:47	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		03/01/24 08:24	03/01/24 14:47	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		03/01/24 08:24	03/01/24 14:47	1
o-Xylene	<0.00200	U *1	0.00200	mg/Kg		03/01/24 08:24	03/01/24 14:47	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		03/01/24 08:24	03/01/24 14:47	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130			03/01/24 08:24	03/01/24 14:47	1
1,4-Difluorobenzene (Surr)	105		70 - 130			03/01/24 08:24	03/01/24 14:47	1

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 03/01/24 14:47 mg/Kg Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

			- /					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.4	U	50.4	mg/Kg			03/02/24 14:25	1
Method: SW846 8015B NM - Diese	l Range Orga	nics (DRO) (0	GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.4	U	50.4	mg/Kg		03/01/24 14:27	03/02/24 14:25	1
(GRO)-C6-C10								
Diesel Range Organics (Over	<50.4	U *+	50.4	mg/Kg		03/01/24 14:27	03/02/24 14:25	1
C10-C28)								

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Job ID: 890-6267-1 SDG: 03C1558251

Matrix: Solid

Matrix: Solid

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Lab Sample ID: 890-6267-7

Client Sample ID: SW02 Date Collected: 02/26/24 11:25

Client: Ensolum

Date Received: 02/27/24 15:39

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Oll Range Organics (Over C28-C36)	<50.4	U	50.4	mg/Kg		03/01/24 14:27	03/02/24 14:25	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	98		70 - 130			03/01/24 14:27	03/02/24 14:25	1
o-Terphenyl	106		70 - 130			03/01/24 14:27	03/02/24 14:25	1
Method: EPA 300.0 - Anions, Ion	Chromatograp	hy - Solubl	e					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	49.3		4.98	mg/Kg			03/03/24 19:47	1

Client Sample ID: FS06

Date Collected: 02/26/24 13:05

Date Received: 02/27/24 15:39

Method: SW846 8021B - Volatile Organic Compounds (GC)								
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	< 0.00199	U	0.00199	mg/Kg		03/01/24 08:24	03/01/24 15:07	1
Toluene	<0.00199	U	0.00199	mg/Kg		03/01/24 08:24	03/01/24 15:07	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		03/01/24 08:24	03/01/24 15:07	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		03/01/24 08:24	03/01/24 15:07	1
o-Xylene	<0.00199	U *1	0.00199	mg/Kg		03/01/24 08:24	03/01/24 15:07	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		03/01/24 08:24	03/01/24 15:07	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130			03/01/24 08:24	03/01/24 15:07	1
1,4-Difluorobenzene (Surr)	110		70 - 130			03/01/24 08:24	03/01/24 15:07	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			03/01/24 15:07	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)								
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5	mg/Kg			03/02/24 14:47	1

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		03/01/24 14:27	03/02/24 14:47	1
(GRO)-C6-C10								
Diesel Range Organics (Over	<50.5	U *+	50.5	mg/Kg		03/01/24 14:27	03/02/24 14:47	1
C10-C28)								
Oll Range Organics (Over C28-C36)	<50.5	U	50.5	mg/Kg		03/01/24 14:27	03/02/24 14:47	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	109		70 - 130			03/01/24 14:27	03/02/24 14:47	1
o-Terphenyl	114		70 - 130			03/01/24 14:27	03/02/24 14:47	1
Method: EPA 300.0 - Anions, Ion	Chromatograp	ohy - Solubl	e					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	99.5		5.02	mg/Kg			03/03/24 19:57	1

Client Sample Results

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Job ID: 890-6267-1 SDG: 03C1558251

Client Sample ID: FS07 Date Collected: 02/26/24 13:15

Client: Ensolum

Date Received: 02/27/24 15:39

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198	mg/Kg		03/01/24 08:24	03/01/24 15:28	1
Toluene	<0.00198	U	0.00198	mg/Kg		03/01/24 08:24	03/01/24 15:28	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		03/01/24 08:24	03/01/24 15:28	1
m-Xylene & p-Xylene	<0.00396	U	0.00396	mg/Kg		03/01/24 08:24	03/01/24 15:28	1
o-Xylene	<0.00198	U *1	0.00198	mg/Kg		03/01/24 08:24	03/01/24 15:28	1
Xylenes, Total	<0.00396	U	0.00396	mg/Kg		03/01/24 08:24	03/01/24 15:28	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130			03/01/24 08:24	03/01/24 15:28	1
1,4-Difluorobenzene (Surr)	109		70 - 130			03/01/24 08:24	03/01/24 15:28	1
Method: TAL SOP Total BTEX - T	otal BTEX Calo	culation						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396	mg/Kg			03/01/24 15:28	1
Method: SW846 8015 NM - Diese	I Range Organ	ics (DRO) (GC)					
	Pocult	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Analyte		-						
Analyte Total TPH		-	49.7	mg/Kg			03/02/24 15:09	1
•	<49.7	U	49.7				03/02/24 15:09	1
Total TPH	<49.7 sel Range Orga	U	49.7		 	Prepared	03/02/24 15:09 Analyzed	
Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics	<49.7 sel Range Orga	U nics (DRO) Qualifier	49.7 (GC)	mg/Kg	D			Dil Fac
Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	<49.7 sel Range Orga Result	U nics (DRO) Qualifier U	49.7 (GC) RL	mg/Kg Unit	<u>D</u>	Prepared	Analyzed	Dil Fac
Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	<49.7 sel Range Orga Result <49.7	U nics (DRO) Qualifier U U *+	(GC) (BC) (49.7	mg/Kg Unit mg/Kg	<u>D</u>	Prepared 03/01/24 14:27	Analyzed 03/02/24 15:09	Dil Fac
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)	<49.7 sel Range Orga Result <49.7 <49.7	U nics (DRO) Qualifier U U *+ U	49.7 (GC) <u>RL</u> 49.7 49.7	mg/Kg Unit mg/Kg mg/Kg	D	Prepared 03/01/24 14:27 03/01/24 14:27	Analyzed 03/02/24 15:09 03/02/24 15:09	Dil Fac
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	<49.7 sel Range Orga Result <49.7 <49.7 <49.7	U nics (DRO) Qualifier U U *+ U	49.7 (GC) <u>RL</u> 49.7 49.7 49.7	mg/Kg Unit mg/Kg mg/Kg	D	Prepared 03/01/24 14:27 03/01/24 14:27 03/01/24 14:27	Analyzed 03/02/24 15:09 03/02/24 15:09 03/02/24 15:09	Dil Fac
Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10	<49.7 sel Range Orga Result <49.7 <49.7 <49.7 <49.7	U nics (DRO) Qualifier U U *+ U	49.7 (GC) <u>RL</u> 49.7 49.7 49.7 Limits	mg/Kg Unit mg/Kg mg/Kg	<u>D</u>	Prepared 03/01/24 14:27 03/01/24 14:27 03/01/24 14:27 Prepared	Analyzed 03/02/24 15:09 03/02/24 15:09 03/02/24 15:09 Analyzed	1 Dil Fac 1 1 1 Dil Fac 1 1
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	<49.7 sel Range Orga Result <49.7 <49.7 <49.7 <49.7 <49.7	U nics (DRO) Qualifier U U *+ U Qualifier	49.7 (GC) RL 49.7 49.7 49.7 <u>Limits</u> 70 - 130 70 - 130	mg/Kg Unit mg/Kg mg/Kg	D	Prepared 03/01/24 14:27 03/01/24 14:27 03/01/24 14:27 Prepared 03/01/24 14:27	Analyzed 03/02/24 15:09 03/02/24 15:09 03/02/24 15:09 Analyzed 03/02/24 15:09	Dil Fac
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	<49.7 sel Range Orga Result <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <107 107 117 Chromatograp	U nics (DRO) Qualifier U U *+ U Qualifier	49.7 (GC) RL 49.7 49.7 49.7 <u>Limits</u> 70 - 130 70 - 130	mg/Kg Unit mg/Kg mg/Kg	D	Prepared 03/01/24 14:27 03/01/24 14:27 03/01/24 14:27 Prepared 03/01/24 14:27	Analyzed 03/02/24 15:09 03/02/24 15:09 03/02/24 15:09 Analyzed 03/02/24 15:09	Dil Fac 1 1 1 Dil Fac
Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Surrogate 1-Chlorooctane p-Terphenyl Method: EPA 300.0 - Anions, Ion Analyte	<49.7 sel Range Orga Result <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <107 107 117 Chromatograp	U nics (DRO) Qualifier U U *+ U Qualifier	49.7 (GC) <u>RL</u> 49.7 49.7 49.7 <u>Limits</u> 70 - 130 70 - 130 e	mg/Kg Unit mg/Kg mg/Kg mg/Kg		Prepared 03/01/24 14:27 03/01/24 14:27 03/01/24 14:27 Prepared 03/01/24 14:27 03/01/24 14:27	Analyzed 03/02/24 15:09 03/02/24 15:09 03/02/24 15:09 Analyzed 03/02/24 15:09 03/02/24 15:09	Dil Fac
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	<49.7 sel Range Orga Result <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <107 107 117 Chromatograg Result	U nics (DRO) Qualifier U U *+ U Qualifier	49.7 (GC) RL 49.7 49.7 49.7 <u>Limits</u> 70 - 130 70 - 130 RL	mg/Kg Unit mg/Kg mg/Kg mg/Kg		Prepared 03/01/24 14:27 03/01/24 14:27 03/01/24 14:27 Prepared 03/01/24 14:27 03/01/24 14:27 03/01/24 14:27 Prepared	Analyzed 03/02/24 15:09 03/02/24 15:09 03/02/24 15:09 Analyzed Analyzed	Dil Fac

Prepared Dil Fac Analyte **Result Qualifier** RL Unit D Analyzed Benzene <0.00202 U 0.00202 mg/Kg 03/01/24 08:24 03/01/24 15:48 1 Toluene 03/01/24 08:24 03/01/24 15:48 <0.00202 U 0.00202 mg/Kg 1 Ethylbenzene <0.00202 U 0.00202 mg/Kg 03/01/24 08:24 03/01/24 15:48 1 m-Xylene & p-Xylene <0.00403 U 0.00403 mg/Kg 03/01/24 08:24 03/01/24 15:48 1 o-Xylene <0.00202 U*1 0.00202 mg/Kg 03/01/24 08:24 03/01/24 15:48 1 <0.00403 U 0.00403 03/01/24 08:24 03/01/24 15:48 Xylenes, Total mg/Kg 1 %Recovery Qualifier Limits Dil Fac Surrogate Prepared Analyzed 113 70 - 130 03/01/24 08:24 03/01/24 15:48 4-Bromofluorobenzene (Surr) 1 1,4-Difluorobenzene (Surr) 107 70 - 130 03/01/24 08:24 03/01/24 15:48 1

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Lab Sample ID: 890-6267-9 Matrix: Solid

Compounds (GC)

Job ID: 890-6267-1 SDG: 03C1558251

Matrix: Solid

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Lab Sample ID: 890-6267-10

Client Sample ID: FS08

Client: Ensolum

Date Collected: 02/26/24 13:25 Date Received: 02/27/24 15:39

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403	mg/Kg			03/01/24 15:48	1
Method: SW846 8015 NM - Diese	I Range Organ	ics (DRO) (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	mg/Kg			03/02/24 15:31	1
Method: SW846 8015B NM - Dies	el Range Orga	nics (DRO)	(GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.8	U	49.8	mg/Kg		03/01/24 14:27	03/02/24 15:31	1
(GRO)-C6-C10								
Diesel Range Organics (Over	<49.8	U *+	49.8	mg/Kg		03/01/24 14:27	03/02/24 15:31	1
C10-C28)								
Oll Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		03/01/24 14:27	03/02/24 15:31	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	96		70 - 130			03/01/24 14:27	03/02/24 15:31	1
o-Terphenyl	104		70 - 130			03/01/24 14:27	03/02/24 15:31	1
Method: EPA 300.0 - Anions, Ion	Chromatograp	hy - Solubl	e					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	76.7		5.05	mg/Kg			03/03/24 20:17	1

Date Collected: 02/26/24 09:30 Date Received: 02/27/24 15:39

Matrix: Solid

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		03/01/24 08:24	03/01/24 18:05	1
Toluene	<0.00201	U	0.00201	mg/Kg		03/01/24 08:24	03/01/24 18:05	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		03/01/24 08:24	03/01/24 18:05	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	mg/Kg		03/01/24 08:24	03/01/24 18:05	1
o-Xylene	<0.00201	U *1	0.00201	mg/Kg		03/01/24 08:24	03/01/24 18:05	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		03/01/24 08:24	03/01/24 18:05	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		70 - 130			03/01/24 08:24	03/01/24 18:05	1
1,4-Difluorobenzene (Surr)	103		70 - 130			03/01/24 08:24	03/01/24 18:05	1

Method: TAL SOP Total BTEX - Total BTEX Calculation Analyte Result Qualifier RL Unit D Prepared Analyzed Dil Fac Total BTEX <0.00402 U 0.00402 mg/Kg 03/01/24 18:05 1 Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC) Analyte Result Qualifier RL Unit D Analyzed Dil Fac Prepared Total TPH <49.8 U 03/02/24 16:15 49.8 mg/Kg 1 Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) Analyte Recult Qualifier ы Unit Droparod Analyzod Dil Eac n

Analyte	Result	Quaimer	RL	onit	U	Flepaleu	Analyzeu	DirFac
Gasoline Range Organics	<49.8	U	49.8	mg/Kg		03/01/24 14:27	03/02/24 16:15	1
(GRO)-C6-C10								
Diesel Range Organics (Over	<49.8	U *+	49.8	mg/Kg		03/01/24 14:27	03/02/24 16:15	1
C10-C28)								

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Job ID: 890-6267-1 SDG: 03C1558251

Matrix: Solid

Matrix: Solid

5

12 13

Lab Sample ID: 890-6267-11

Client Sample ID: FS09

Client: Ensolum

Date Collected: 02/26/24 09:30 Date Received: 02/27/24 15:39

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Oll Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		03/01/24 14:27	03/02/24 16:15	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	91		70 - 130			03/01/24 14:27	03/02/24 16:15	1
o-Terphenyl	97		70 - 130			03/01/24 14:27	03/02/24 16:15	1
Method: EPA 300.0 - Anions, Ion	Chromatograp	hy - Solubl	e					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	84.4		5.04	mg/Kg			03/03/24 20:27	1

Date Collected: 02/26/24 09:35

Date Received: 02/27/24 15:39

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		03/01/24 08:24	03/01/24 18:25	1
Toluene	<0.00200	U	0.00200	mg/Kg		03/01/24 08:24	03/01/24 18:25	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		03/01/24 08:24	03/01/24 18:25	1
m-Xylene & p-Xylene	<0.00401	U	0.00401	mg/Kg		03/01/24 08:24	03/01/24 18:25	1
o-Xylene	<0.00200	U *1	0.00200	mg/Kg		03/01/24 08:24	03/01/24 18:25	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		03/01/24 08:24	03/01/24 18:25	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130			03/01/24 08:24	03/01/24 18:25	1
1,4-Difluorobenzene (Surr)	108		70 - 130			03/01/24 08:24	03/01/24 18:25	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401	mg/Kg			03/01/24 18:25	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)									
	Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
L	Total TPH	<50.5	U	50.5	mg/Kg			03/02/24 16:37	1

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		03/01/24 14:27	03/02/24 16:37	1
(GRO)-C6-C10								
Diesel Range Organics (Over	<50.5	U *+	50.5	mg/Kg		03/01/24 14:27	03/02/24 16:37	1
C10-C28)								
Oll Range Organics (Over C28-C36)	<50.5	U	50.5	mg/Kg		03/01/24 14:27	03/02/24 16:37	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 130			03/01/24 14:27	03/02/24 16:37	1
o-Terphenyl	106		70 - 130			03/01/24 14:27	03/02/24 16:37	1
Method: EPA 300.0 - Anions, Ion	Chromatograp	ohy - Solubl	e					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	65.9		5.04	mg/Kg			03/03/24 20:57	1

Client Sample Results

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Job ID: 890-6267-1 3251

Client Sample ID: FS11

Client: Ensolum

Date Collected: 02/26/24 12:10 Date Received: 02/27/24 15:39

Matrix: Solid

5

Method: SW846 8021B - Volatile Analyte	• •	Qualifier	, RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	-	0.00200	mg/Kg		03/01/24 08:24	03/01/24 18:46	1
Toluene	<0.00200		0.00200	mg/Kg		03/01/24 08:24	03/01/24 18:46	1
Ethylbenzene	<0.00200		0.00200	mg/Kg		03/01/24 08:24	03/01/24 18:46	
m-Xylene & p-Xylene	<0.00200		0.00399	mg/Kg		03/01/24 08:24	03/01/24 18:46	
o-Xylene	<0.00399		0.00200	mg/Kg		03/01/24 08:24	03/01/24 18:46	-
Xylenes, Total	<0.00200		0.00399			03/01/24 08:24	03/01/24 18:46	
Ayienes, Totai	<0.00399	U	0.00399	mg/Kg		03/01/24 06:24	03/01/24 16.46	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		70 - 130			03/01/24 08:24	03/01/24 18:46	
1,4-Difluorobenzene (Surr)	119		70 - 130			03/01/24 08:24	03/01/24 18:46	-
Method: TAL SOP Total BTEX - 1	Total BTEX Cal	culation						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			03/01/24 18:46	1
- Method: SW846 8015 NM - Diese	el Range Organ	ics (DRO) (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1	mg/Kg			03/02/24 16:59	1
- Method: SW846 8015B NM - Dies	sel Range Orga	nics (DRO)	(GC)					
Analyte	• •	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Gasoline Range Organics	<50.1	U	50.1	mg/Kg		03/01/24 14:27	03/02/24 16:59	
(GRO)-C6-C10								
Diesel Range Organics (Over C10-C28)	<50.1	U *+	50.1	mg/Kg		03/01/24 14:27	03/02/24 16:59	~
Oll Range Organics (Over C28-C36)	<50.1	U	50.1	mg/Kg		03/01/24 14:27	03/02/24 16:59	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
1-Chlorooctane	92		70 - 130			03/01/24 14:27	03/02/24 16:59	
o-Terphenyl	98		70 - 130			03/01/24 14:27	03/02/24 16:59	-
Method: EPA 300.0 - Anions, Ion	Chromatograp	ohy - Solubl	e					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	75.7		4.99	mg/Kg			03/03/24 21:07	
lient Sample ID: FS12						Lab Sam	ple ID: 890-6	267-14
Date Collected: 02/26/24 09:45							Matri	ix: Solic
Date Received: 02/27/24 15:39								
Method: SW846 8021B - Volatile	Organic Comp	ounds (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0.00198	U	0.00198	mg/Kg		03/01/24 08:24	03/01/24 19:06	
Toluene	<0.00198	U	0.00198	mg/Kg		03/01/24 08:24	03/01/24 19:06	
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		03/01/24 08:24	03/01/24 19:06	
m-Xylene & p-Xylene	<0.00397	U	0.00397	mg/Kg		03/01/24 08:24	03/01/24 19:06	
o-Xylene	<0.00198	U *1	0.00198	mg/Kg		03/01/24 08:24	03/01/24 19:06	
Xylenes, Total	<0.00397		0.00397	mg/Kg		03/01/24 08:24	03/01/24 19:06	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa

03/01/24 19:06

03/01/24 19:06

03/01/24 08:24

03/01/24 08:24

4-Bromofluorobenzene (Surr)

1,4-Difluorobenzene (Surr)

70 - 130

70 - 130

111

114

1

1

Job ID: 890-6267-1 SDG: 03C1558251

Matrix: Solid

5

Lab Sample ID: 890-6267-14

Client Sample ID: FS12

Client: Ensolum

Date Collected: 02/26/24 09:45 Date Received: 02/27/24 15:39

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Total BTEX	<0.00397	U	0.00397	mg/Kg			03/01/24 19:06	
Method: SW846 8015 NM - Diese	I Range Organ	ics (DRO) (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Total TPH	<50.4	U	50.4	mg/Kg			03/02/24 17:21	
Method: SW846 8015B NM - Dies	el Range Orga	nics (DRO)	(GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Gasoline Range Organics	<50.4	U	50.4	mg/Kg		03/01/24 14:27	03/02/24 17:21	
(GRO)-C6-C10								
Diesel Range Organics (Over	<50.4	U *+	50.4	mg/Kg		03/01/24 14:27	03/02/24 17:21	
C10-C28)								
Oll Range Organics (Over C28-C36)	<50.4	U	50.4	mg/Kg		03/01/24 14:27	03/02/24 17:21	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil F
1-Chlorooctane	99		70 - 130			03/01/24 14:27	03/02/24 17:21	
o-Terphenyl	106		70 - 130			03/01/24 14:27	03/02/24 17:21	
Method: EPA 300.0 - Anions, Ion	Chromatograp	hv - Solubl	e					
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Chloride	154		4.98	mg/Kg			03/03/24 21:36	
lient Sample ID: SW03						Lab Sam	ple ID: 890-6	267-1
ate Collected: 02/26/24 09:50							•	ix: Soli

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		03/01/24 08:24	03/01/24 19:27	1
Toluene	<0.00200	U	0.00200	mg/Kg		03/01/24 08:24	03/01/24 19:27	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		03/01/24 08:24	03/01/24 19:27	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		03/01/24 08:24	03/01/24 19:27	1
o-Xylene	<0.00200	U *1	0.00200	mg/Kg		03/01/24 08:24	03/01/24 19:27	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		03/01/24 08:24	03/01/24 19:27	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130			03/01/24 08:24	03/01/24 19:27	1
1,4-Difluorobenzene (Surr)	103		70 - 130			03/01/24 08:24	03/01/24 19:27	1

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400	mg/Kg			03/01/24 19:27	1
Method: SW846 8015 NM - Diesel	Range Organ	ics (DRO) (O	SC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7	mg/Kg			03/02/24 17:44	1
Method: SW846 8015B NM - Diese	I Range Orga	nics (DRO)	(GC)					
	Pocult	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Analyte	Result	Quanner						
Analyte Gasoline Range Organics	<49.7		49.7	mg/Kg		03/01/24 14:27	03/02/24 17:44	1
Analyte Gasoline Range Organics (GRO)-C6-C10			49.7	mg/Kg		03/01/24 14:27	03/02/24 17:44	1
Gasoline Range Organics		U	49.7	mg/Kg		03/01/24 14:27 03/01/24 14:27	03/02/24 17:44	1 1

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Job ID: 890-6267-1 SDG: 03C1558251

Lab Sample ID: 890-6267-15

Client Sample ID: SW03

Client: Ensolum

Date Collected: 02/26/24 09:50 Date Received: 02/27/24 15:39

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Oll Range Organics (Over C28-C36)	<49.7	U	49.7	mg/Kg		03/01/24 14:27	03/02/24 17:44	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	88		70 - 130			03/01/24 14:27	03/02/24 17:44	1
o-Terphenyl	96		70 - 130			03/01/24 14:27	03/02/24 17:44	1
Method: EPA 300.0 - Anions, Ion	Chromatograp	ohy - Solubl	e					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
			5.00	mg/Kg			03/03/24 21:46	

Client Sample ID: SW04

Date Collected: 02/26/24 09:55

Date Received: 02/27/24 15:39

Method: SW846 8021B - Volati	le Organic Comp	ounds (GC))					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	< 0.00198	U	0.00198	mg/Kg		03/01/24 08:24	03/01/24 19:47	1
Toluene	<0.00198	U	0.00198	mg/Kg		03/01/24 08:24	03/01/24 19:47	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		03/01/24 08:24	03/01/24 19:47	1
m-Xylene & p-Xylene	<0.00396	U	0.00396	mg/Kg		03/01/24 08:24	03/01/24 19:47	1
o-Xylene	<0.00198	U *1	0.00198	mg/Kg		03/01/24 08:24	03/01/24 19:47	1
Xylenes, Total	<0.00396	U	0.00396	mg/Kg		03/01/24 08:24	03/01/24 19:47	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130			03/01/24 08:24	03/01/24 19:47	1
1,4-Difluorobenzene (Surr)	113		70 - 130			03/01/24 08:24	03/01/24 19:47	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396	mg/Kg			03/01/24 19:47	1

L	Method: SW846 8015 NM - Diesel R	Range Organi	ics (DRO) (G	C)					
	Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Total TPH	<49.9	U	49.9	mg/Kg			03/02/24 18:05	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.9	U	49.9	mg/Kg		03/01/24 14:27	03/02/24 18:05	1
(GRO)-C6-C10								
Diesel Range Organics (Over	<49.9	U *+	49.9	mg/Kg		03/01/24 14:27	03/02/24 18:05	1
C10-C28)								
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		03/01/24 14:27	03/02/24 18:05	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130			03/01/24 14:27	03/02/24 18:05	1
o-Terphenyl	104		70 - 130			03/01/24 14:27	03/02/24 18:05	1
Method: EPA 300.0 - Anions, Ion	Chromatograp	ohy - Solubl	e					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	74.0		5.01	mg/Kg			03/03/24 21:56	1

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Matrix: Solid

Lab Sample ID: 890-6267-16

Matrix: Solid

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Client Sample Results

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Matrix: Solid

5

Job ID: 890-6267-1 SDG: 03C1558251

Lab Sample ID: 890-6267-17

Client Sample ID: FS14

Client: Ensolum

Date Collected: 02/26/24 12:25 Date Received: 02/27/24 15:39

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	< 0.00202	U	0.00202	mg/Kg		03/01/24 08:24	03/01/24 20:08	
Toluene	<0.00202	U	0.00202	mg/Kg		03/01/24 08:24	03/01/24 20:08	
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		03/01/24 08:24	03/01/24 20:08	
m-Xylene & p-Xylene	<0.00403	U	0.00403	mg/Kg		03/01/24 08:24	03/01/24 20:08	
o-Xylene	<0.00202	U *1	0.00202	mg/Kg		03/01/24 08:24	03/01/24 20:08	
Xylenes, Total	<0.00403	U	0.00403	mg/Kg		03/01/24 08:24	03/01/24 20:08	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	120		70 - 130			03/01/24 08:24	03/01/24 20:08	
1,4-Difluorobenzene (Surr)	108		70 - 130			03/01/24 08:24	03/01/24 20:08	
Method: TAL SOP Total BTEX - T								
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Total BTEX	<0.00403	U	0.00403	mg/Kg			03/01/24 20:08	
Method: SW846 8015 NM - Diese					-	- ·		
Analyte Total TPH		Qualifier	RL 49.8	Unit mg/Kg	D	Prepared	Analyzed 03/02/24 18:26	Dil Fa
Analyte	Result	Qualifier	RL 49.8	Unit	<u>D</u>	Prepared	Analyzed	
Method: SW846 8015B NM - Dies Analyte				Unit	D	Prepared	Analyzed	Dil Fa
Gasoline Range Organics (GRO)-C6-C10	<49.8	0	49.0	mg/Kg		03/01/24 14:27	03/02/24 18:26	
Diesel Range Organics (Over C10-C28)	<49.8	U *+	49.8	mg/Kg		03/01/24 14:27	03/02/24 18:26	
Oll Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		03/01/24 14:27	03/02/24 18:26	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
1-Chlorooctane	88		70 - 130			03/01/24 14:27	03/02/24 18:26	
o-Terphenyl	95		70 - 130			03/01/24 14:27	03/02/24 18:26	
Method: EPA 300.0 - Anions, Ion	Chromatograp	ohy - Solubl	e					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Chloride	45.9		5.02	mg/Kg			03/03/24 22:06	
lient Sample ID: FS15						Lab Sam	ple ID: 890-6	
ate Collected: 02/26/24 13:30 ate Received: 02/27/24 15:39							Matri	x: Soli
Method: SW846 8021B - Volatile	Organic Comp	ounds (GC						
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		03/01/24 08:24	03/01/24 20:28	1
Toluene	<0.00201	U	0.00201	mg/Kg		03/01/24 08:24	03/01/24 20:28	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		03/01/24 08:24	03/01/24 20:28	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	mg/Kg		03/01/24 08:24	03/01/24 20:28	1
o-Xylene	<0.00201	U *1	0.00201	mg/Kg		03/01/24 08:24	03/01/24 20:28	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		03/01/24 08:24	03/01/24 20:28	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	118		70 - 130			03/01/24 08:24	03/01/24 20:28	1
1,4-Difluorobenzene (Surr)	105		70 - 130			03/01/24 08:24	03/01/24 20:28	1

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Job ID: 890-6267-1 SDG: 03C1558251

Matrix: Solid

5

Lab Sample ID: 890-6267-18

Client Sample ID: FS15

Client: Ensolum

Date Collected: 02/26/24 13:30 Date Received: 02/27/24 15:39

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			03/01/24 20:28	1
Method: SW846 8015 NM - Diesel	Range Organ	ics (DRO) (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	mg/Kg			03/02/24 18:48	1
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	<49.8	U	49.8	mg/Kg		03/01/24 14:27	03/02/24 18:48	1
Diesel Range Organics (Over	<49.8	U *+	49.8	mg/Kg		03/01/24 14:27	03/02/24 18:48	1
C10-C28)								
Oll Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		03/01/24 14:27	03/02/24 18:48	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 130			03/01/24 14:27	03/02/24 18:48	1
o-Terphenyl	112		70 - 130			03/01/24 14:27	03/02/24 18:48	1
Method: EPA 300.0 - Anions, Ion	Chromatograp	hy - Solubl	e					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	96.9		4.99	mg/Kg			03/03/24 22:16	1

Date Collected: 02/26/24 12:55 Date Received: 02/27/24 15:39

Matrix: Solid

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		03/01/24 08:24	03/01/24 20:49	1
Toluene	<0.00200	U	0.00200	mg/Kg		03/01/24 08:24	03/01/24 20:49	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		03/01/24 08:24	03/01/24 20:49	1
m-Xylene & p-Xylene	<0.00401	U	0.00401	mg/Kg		03/01/24 08:24	03/01/24 20:49	1
o-Xylene	<0.00200	U *1	0.00200	mg/Kg		03/01/24 08:24	03/01/24 20:49	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		03/01/24 08:24	03/01/24 20:49	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130			03/01/24 08:24	03/01/24 20:49	1
1,4-Difluorobenzene (Surr)	100		70 - 130			03/01/24 08:24	03/01/24 20:49	1

Method: TAL SOP Total BTEX - Total BTEX Calculation Analyte Result Qualifier RL Unit D Prepared Analyzed Dil Fac Total BTEX <0.00401 U 0.00401 mg/Kg 03/01/24 20:49 1 Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC) Analyte Result Qualifier RL Unit D Analyzed Dil Fac Prepared Total TPH <50.1 U 03/02/24 19:09 50.1 mg/Kg 1 Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) Analyte Recult Qualifier ы Unit n Droparod Analyzod Dil Eac

Analyte	Result	Quaimer	NL.	Onit	U	Flepaleu	Analyzeu	DirFac
Gasoline Range Organics	<50.1	U	50.1	mg/Kg		03/01/24 14:27	03/02/24 19:09	1
(GRO)-C6-C10								
Diesel Range Organics (Over	<50.1	U *+	50.1	mg/Kg		03/01/24 14:27	03/02/24 19:09	1
C10-C28)								

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Job ID: 890-6267-1 SDG: 03C1558251

Lab Sample ID: 890-6267-19

Client Sample ID: FS16

Client: Ensolum

Date Collected: 02/26/24 12:55 Date Received: 02/27/24 15:39

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Oll Range Organics (Over C28-C36)	<50.1	U	50.1	mg/Kg		03/01/24 14:27	03/02/24 19:09	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	106		70 - 130			03/01/24 14:27	03/02/24 19:09	1
o-Terphenyl	115		70 - 130			03/01/24 14:27	03/02/24 19:09	1
Method: EPA 300.0 - Anions, Ion	Chromatograp	hy - Solubl	e					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	259		5.03	mg/Kg			03/03/24 22:26	1

Client Sample ID: FS17

Date Collected: 02/26/24 14:00

Date Received: 02/27/24 15:39

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	< 0.00199	U	0.00199	mg/Kg		03/01/24 08:24	03/01/24 21:10	1
Toluene	<0.00199	U	0.00199	mg/Kg		03/01/24 08:24	03/01/24 21:10	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		03/01/24 08:24	03/01/24 21:10	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		03/01/24 08:24	03/01/24 21:10	1
o-Xylene	<0.00199	U *1	0.00199	mg/Kg		03/01/24 08:24	03/01/24 21:10	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		03/01/24 08:24	03/01/24 21:10	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	123		70 - 130			03/01/24 08:24	03/01/24 21:10	1
1,4-Difluorobenzene (Surr)	106		70 - 130			03/01/24 08:24	03/01/24 21:10	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

	Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Total BTEX	<0.00398	U	0.00398	mg/Kg			03/01/24 21:10	1
j									

Method: SW846 8015 NM - Diesel F	Range Organics (DRO) (GC	5)					
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1 U	50.1	mg/Kg			03/02/24 19:31	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.1	U	50.1	mg/Kg		03/01/24 14:27	03/02/24 19:31	1
(GRO)-C6-C10								
Diesel Range Organics (Over	<50.1	U *+	50.1	mg/Kg		03/01/24 14:27	03/02/24 19:31	1
C10-C28)								
Oll Range Organics (Over C28-C36)	<50.1	U	50.1	mg/Kg		03/01/24 14:27	03/02/24 19:31	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	93		70 - 130			03/01/24 14:27	03/02/24 19:31	1
o-Terphenyl	103		70 - 130			03/01/24 14:27	03/02/24 19:31	1
Method: EPA 300.0 - Anions, Ion	Chromatograp	hy - Solubl	e					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	87.1		5.05	mg/Kg			03/03/24 22:36	1

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Matrix: Solid

Matrix: Solid

5

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

		BFB1	DFBZ1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
890-6267-1	FS01	98	108	_
890-6267-1 MS	FS01	115	103	
890-6267-1 MSD	FS01	115	101	
890-6267-2	FS02	102	110	
890-6267-3	FS03	101	107	
890-6267-4	FS04	116	118	
890-6267-5	FS05	114	105	
890-6267-6	SW01	123	110	
890-6267-7	SW02	105	105	
890-6267-8	FS06	113	110	
890-6267-9	FS07	115	109	
890-6267-10	FS08	113	107	
890-6267-11	FS09	89	103	
890-6267-12	FS10	103	108	
890-6267-13	FS11	87	119	
890-6267-14	FS12	111	114	
890-6267-15	SW03	111	103	
890-6267-16	SW04	114	113	
890-6267-17	FS14	120	108	
890-6267-18	FS15	118	105	
890-6267-19	FS16	116	100	
890-6267-20	FS17	123	106	
LCS 880-74450/1-A	Lab Control Sample	72	115	
LCSD 880-74450/2-A	Lab Control Sample Dup	110	97	
MB 880-74450/5-A	Method Blank	128	135 S1+	

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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

Prep Type: Total/NA

		1CO1	OTPH1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
890-6267-1	FS01	115	124
890-6267-1 MS	FS01	122	121
890-6267-1 MSD	FS01	119	118
890-6267-2	FS02	114	126
890-6267-3	FS03	113	121
890-6267-4	FS04	107	116
890-6267-5	FS05	90	100
890-6267-6	SW01	104	112
890-6267-7	SW02	98	106
890-6267-8	FS06	109	114
890-6267-9	FS07	107	117
890-6267-10	FS08	96	104
890-6267-11	FS09	91	97
890-6267-12	FS10	99	106

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5 6

Job ID: 890-6267-1 SDG: 03C1558251

Prep Type: Total/NA

Client: Ensolum

Job ID: 890-6267-1

SDG: 03C1558251

Prep Type: Total/NA

ourrogato ourrinary

Project/Site: PLU C-1 Recycle Facility Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued) Matrix: Solid

		1CO1	OTPH1	Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)		. [
890-6267-13	FS11	92	98		
890-6267-14	FS12	99	106		6
890-6267-15	SW03	88	96		
890-6267-16	SW04	97	104		
890-6267-17	FS14	88	95		
890-6267-18	FS15	105	112		
890-6267-19	FS16	106	115		8
890-6267-20	FS17	93	103		
LCS 880-74498/2-A	Lab Control Sample	115	117		9
LCSD 880-74498/3-A	Lab Control Sample Dup	109	113		
MB 880-74498/1-A	Method Blank	129	141 S1+		

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

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QC Sample Results

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-74450 Matrix: Solid)/5-A					Client Sa	mple ID: Metho Prep Type: 1		
Analysis Batch: 74455							Prep Batch		÷.
	MB	МВ							
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	<0.00200	U	0.00200	mg/Kg		03/01/24 08:24	03/01/24 12:15	1	
Toluene	<0.00200	U	0.00200	mg/Kg		03/01/24 08:24	03/01/24 12:15	1	-
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		03/01/24 08:24	03/01/24 12:15	1	5
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		03/01/24 08:24	03/01/24 12:15	1	
o-Xylene	<0.00200	U	0.00200	mg/Kg		03/01/24 08:24	03/01/24 12:15	1	
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		03/01/24 08:24	03/01/24 12:15	1	
	МВ	МВ							
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	128		70 - 130			03/01/24 08:24	03/01/24 12:15	1	
1,4-Difluorobenzene (Surr)	135	S1+	70 - 130			03/01/24 08:24	03/01/24 12:15	1	
Lab Sample ID: LCS 880-7445	0/1-A				c	lient Sample I	D: Lab Control	Sample	

Lab Sample ID: LCS 880-74450/1-A Matrix: Solid

Analysis Batch: 74455

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.09967		mg/Kg		100	70 - 130	
Toluene	0.100	0.1037		mg/Kg		104	70 - 130	
Ethylbenzene	0.100	0.09471		mg/Kg		95	70 - 130	
m-Xylene & p-Xylene	0.200	0.2048		mg/Kg		102	70 - 130	
o-Xylene	0.100	0.07698		mg/Kg		77	70 - 130	

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	72		70 - 130
1,4-Difluorobenzene (Surr)	115		70 - 130

Lab Sample ID: LCSD 880-74450/2-A

Matrix: Solid

Analysis Batch: 74455							Prep	Batch:	74450
	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.100	0.1125		mg/Kg		113	70 - 130	12	35
Toluene	0.100	0.1063		mg/Kg		106	70 - 130	2	35
Ethylbenzene	0.100	0.1182		mg/Kg		118	70 - 130	22	35
m-Xylene & p-Xylene	0.200	0.2350		mg/Kg		117	70 - 130	14	35
o-Xylene	0.100	0.1114	*1	mg/Kg		111	70 - 130	37	35

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	110		70 - 130
1,4-Difluorobenzene (Surr)	97		70 - 130

Lab Sample ID: 890-6267-1 MS Matrix: Solid

Analysis Batch: 74455									Prej	p Batch: 74450
	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.00199	U	0.101	0.1055		mg/Kg		105	70 - 130	
Toluene	<0.00199	U	0.101	0.09713		mg/Kg		96	70 - 130	

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Client Sample ID: FS01

Prep Type: Total/NA

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Job ID: 890-6267-1 SDG: 03C1558251

QC Sample Results

MS MS

MSD MSD

Result Qualifier

Qualifier

Unit

mg/Kg

mg/Kg

mg/Kg

Unit

Result

0.1163

0.2254

0.1078

Spike

Added

0.101

0.202

0.101

Limits

70 - 130

70 - 130

Spike

Added

70 - 130

Client: Ensolum Project/Site: PLU C-1 Recycle Facility

Lab Sample ID: 890-6267-1 MS

Analysis Batch: 74455

4-Bromofluorobenzene (Surr)

Analysis Batch: 74455

Lab Sample ID: 890-6267-1 MSD

1,4-Difluorobenzene (Surr)

Matrix: Solid

Analyte

o-Xylene

Surrogate

Matrix: Solid

Analyte

1,4-Difluorobenzene (Surr)

Ethylbenzene

m-Xylene & p-Xylene

Sample Sample

<0.00199

%Recovery

<0.00398 U

<0.00199 U*1

115

103

MS MS

Sample Sample

101

Result Qualifier

Qualifier

Result Qualifier

U

Job ID: 890-6267-1 SDG: 03C1558251

Client Sample ID: FS01

%Rec

Limits

70 - 130

70 - 130

70 - 130

Limits

%Rec

115

112

107

%Rec

D

D

Prep Type: Total/NA

Prep Batch: 74450

7

Client Sample ID: FS01
Prep Type: Total/NA
Pren Batch: 74450

FS01	
al/NA	
4450	
RPD	
Limit	
35	

35

35

35

35

Prep Type: To	otal/NA
Prep Batch:	74450
%Rec	RPD

RPD

4

1

7

3

1

Benzene	<0.00199	U	0.100	0.1010	mg/Kg	101	70 - 130
Toluene	<0.00199	U	0.100	0.09634	mg/Kg	96	70 - 130
Ethylbenzene	<0.00199	U	0.100	0.1088	mg/Kg	108	70 - 130
m-Xylene & p-Xylene	<0.00398	U	0.201	0.2326	mg/Kg	116	70 - 130
o-Xylene	<0.00199	U *1	0.100	0.1084	mg/Kg	108	70 - 130
	MSD	MSD					
Surrogate	%Recovery	Qualifier	Limits				
4-Bromofluorobenzene (Surr)	115		70 - 130	-			

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

Lab Sample ID: MB 880-74498/1-A Matrix: Solid Analysis Batch: 74513						Client Sa	mple ID: Metho Prep Type: 1 Prep Batch	Total/NA
	MB	МВ					Trop Bator	
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		03/01/24 14:27	03/02/24 08:42	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		03/01/24 14:27	03/02/24 08:42	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		03/01/24 14:27	03/02/24 08:42	1
	МВ	МВ						
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	129		70 - 130			03/01/24 14:27	03/02/24 08:42	1
o-Terphenyl	141	S1+	70 - 130			03/01/24 14:27	03/02/24 08:42	1

Matrix: Solid Analysis Batch: 74513

Analysis Batch: 74513							Prep Batch: 74498		
	Spike	LCS	LCS				%Rec		
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Gasoline Range Organics	1000	1190		mg/Kg		119	70 - 130		
(GRO)-C6-C10									
Diesel Range Organics (Over	1000	1356	*+	mg/Kg		136	70 - 130		
C10-C28)									

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Prep Type: Total/NA

QC Sample Results

Client: Ensolum Project/Site: PLU C-1 Recycle Facility

Lab Sample ID: LCS 880-74498/2-A

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

	1
Job ID: 890-6267-1 SDG: 03C1558251	2
300.0301338231	
	3
Client Sample ID: Lab Control Sample Prep Type: Total/NA	4
Prep Batch: 74498	5

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Matrix: Solid								Coumpi		Type: To	
Analysis Batch: 74513										Batch:	
·											
		LCS									
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	115		70 - 130								
o-Terphenyl	117		70 - 130								
Lab Sample ID: LCSD 880-7	AA09/2 A					Clie	nt San		Lab Contro	Sampl	
Matrix: Solid	4490/ 3 -A					Cile	int San	ipie ib.		Гуре: То	-
Analysis Batch: 74513			Spike	1.050	LCSD				%Rec	Batch:	RPD
Analyte			Added		Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics			1000	1173	Quaimer	mg/Kg		117	70 - 130	2	20
(GRO)-C6-C10			1000	1175		ing/itg		117	70 - 150	2	20
Diesel Range Organics (Over			1000	1290		mg/Kg		129	70 - 130	5	20
C10-C28)						0 0					
	ICED	LCSD									
Surrogate	%Recovery		Limits								
1-Chlorooctane		Quanner	70 - 130								
o-Terphenyl	113		70 - 130 70 - 130								
0- Terphenyi	113		70 - 730								
Lab Sample ID: 890-6267-1	MS								Client Sa	mple ID:	FS01
Matrix: Solid										Гуре: То	
Analysis Batch: 74513										Batch:	
· ·····, ···· · · · · · · · · · · · · ·	Sample	Sample	Spike	MS	MS				%Rec		
Analyte	-	Qualifier	Added		Qualifier	Unit	D	%Rec	Limits		
Gasoline Range Organics	<50.4		1010	1014		mg/Kg		96	70 - 130		
(GRO)-C6-C10						0 0					
Diesel Range Organics (Over	<50.4	U *+	1010	1034		mg/Kg		99	70 - 130		
C10-C28)											
	MS	MS									
Surrogate	%Recovery		Limits								
1-Chlorooctane	122		70 - 130								
o-Terphenyl	121		70 - 130								
Lab Sample ID: 890-6267-1	MSD								Client Sa	mple ID:	FS01
Matrix: Solid									Prep 1	Гуре: To	tal/NA
Analysis Batch: 74513									Prep	Batch:	74498
	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	<50.4	U	1010	993.8		mg/Kg		94	70 - 130	2	20
Diesel Range Organics (Over	<50.4	U *+	1010	1010		mg/Kg		97	70 - 130	2	20
C10-C28)											
	MSD	MSD									
Surrogate	%Recovery		Limits								
1-Chlorooctane			70 - 130								
o-Terphenyl	118		70 - 130								

Client: Ensolum

QC Sample Results

Job ID: 890-6267-1 SDG: 03C1558251

Project/Site: PLU C-1 Recycle Facility

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-74221/1-4	4							C	Client S	Sample ID: I		
Matrix: Solid										Prep	Type: S	oluble
Analysis Batch: 74486												
		MB MB										
Analyte	R	esult Qualifier		RL	Unit		D	Pre	epared	Analyz	ed	Dil Fa
Chloride		<5.00 U		5.00	mg/k	íg				03/03/24 1	17:39	
Lab Sample ID: LCS 880-74221/2-	A						Clie	ent s	Sample	D: Lab Co	ontrol S	ample
Matrix: Solid											Type: S	
Analysis Batch: 74486												
			Spike	LCS	LCS					%Rec		
Analyte			Added		Qualifier	Unit	[D	%Rec	Limits		
Chloride			250	252.4		mg/Kg			101	90 - 110		
Lab Sample ID: LCSD 880-74221/	3-A					CI	ient Sa	amp	ole ID:	Lab Contro	l Sampl	le Du
Matrix: Solid										Prep [·]	Type: S	olub
Analysis Batch: 74486												
			Spike	LCSD	LCSD					%Rec		RP
Analyte			Added	Result	Qualifier	Unit	[D	%Rec	Limits	RPD	Lim
Chloride			250	248.5		mg/Kg			99	90 - 110	2	2
Lab Sample ID: 890-6267-1 MS										Client Sar	nnlo ID	· ESI
Matrix: Solid											Type: S	
										гіер	Type. 5	olub
Analysis Batch: 74486	Sample	Sample	Spike	MS	MS					%Rec		
Analyte		Qualifier	Added		Qualifier	Unit		D	%Rec	Limits		
Chloride	62.9		252	288.0		mg/Kg			89	90 - 110		
												
Lab Sample ID: 890-6267-1 MSD										Client Sar		
Matrix: Solid										Prep	Type: S	olub
Analysis Batch: 74486	<u> </u>	<u>.</u>	• "							0/ D		
		Sample	Spike	MSD			-	_	~ -	%Rec		RP
Analyte		Qualifier	Added		Qualifier	Unit	I	D	%Rec	Limits	RPD	Lim
Chloride	62.9	F1	252	292.8		mg/Kg			91	90 - 110	2	2
Lab Sample ID: 890-6267-11 MS										Client Sar	nple ID:	: FS0
Matrix: Solid										Prep [·]	Type: S	olub
Analysis Batch: 74486												
	Sample	Sample	Spike	MS	MS					%Rec		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	I	D	%Rec	Limits		
Chloride	84.4		252	349.3		mg/Kg			105	90 - 110		
Lab Sample ID: 890-6267-11 MSD										Client Sar	nple ID:	: FS0
Matrix: Solid											Type: S	
Analysis Batch: 74486												
	Sample	Sample	Spike	MSD	MSD					%Rec		RP
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	I	D	%Rec	Limits	RPD	Limi
Analyte								_				
Client: Ensolum Project/Site: PLU C-1 Recycle Facility

GC VOA

Prep Batch: 74450

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
890-6267-1	FS01	Total/NA	Solid	5035	
890-6267-2	FS02	Total/NA	Solid	5035	5
890-6267-3	FS03	Total/NA	Solid	5035	
890-6267-4	FS04	Total/NA	Solid	5035	
890-6267-5	FS05	Total/NA	Solid	5035	
890-6267-6	SW01	Total/NA	Solid	5035	
890-6267-7	SW02	Total/NA	Solid	5035	
890-6267-8	FS06	Total/NA	Solid	5035	8
890-6267-9	FS07	Total/NA	Solid	5035	_
890-6267-10	FS08	Total/NA	Solid	5035	9
890-6267-11	FS09	Total/NA	Solid	5035	
890-6267-12	FS10	Total/NA	Solid	5035	
890-6267-13	FS11	Total/NA	Solid	5035	
890-6267-14	FS12	Total/NA	Solid	5035	
890-6267-15	SW03	Total/NA	Solid	5035	
890-6267-16	SW04	Total/NA	Solid	5035	
890-6267-17	FS14	Total/NA	Solid	5035	
890-6267-18	FS15	Total/NA	Solid	5035	10
890-6267-19	FS16	Total/NA	Solid	5035	
890-6267-20	FS17	Total/NA	Solid	5035	
MB 880-74450/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-74450/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-74450/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-6267-1 MS	FS01	Total/NA	Solid	5035	
890-6267-1 MSD	FS01	Total/NA	Solid	5035	

Analysis Batch: 74455

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6267-1	FS01	Total/NA	Solid	8021B	74450
890-6267-2	FS02	Total/NA	Solid	8021B	74450
890-6267-3	FS03	Total/NA	Solid	8021B	74450
890-6267-4	FS04	Total/NA	Solid	8021B	74450
890-6267-5	FS05	Total/NA	Solid	8021B	74450
890-6267-6	SW01	Total/NA	Solid	8021B	74450
890-6267-7	SW02	Total/NA	Solid	8021B	74450
890-6267-8	FS06	Total/NA	Solid	8021B	74450
890-6267-9	FS07	Total/NA	Solid	8021B	74450
890-6267-10	FS08	Total/NA	Solid	8021B	74450
890-6267-11	FS09	Total/NA	Solid	8021B	74450
890-6267-12	FS10	Total/NA	Solid	8021B	74450
890-6267-13	FS11	Total/NA	Solid	8021B	74450
890-6267-14	FS12	Total/NA	Solid	8021B	74450
890-6267-15	SW03	Total/NA	Solid	8021B	74450
890-6267-16	SW04	Total/NA	Solid	8021B	74450
890-6267-17	FS14	Total/NA	Solid	8021B	74450
890-6267-18	FS15	Total/NA	Solid	8021B	74450
890-6267-19	FS16	Total/NA	Solid	8021B	74450
890-6267-20	FS17	Total/NA	Solid	8021B	74450
MB 880-74450/5-A	Method Blank	Total/NA	Solid	8021B	74450
LCS 880-74450/1-A	Lab Control Sample	Total/NA	Solid	8021B	74450
LCSD 880-74450/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	74450

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Job ID: 890-6267-1 SDG: 03C1558251

Client: Ensolum Project/Site: PLU C-1 Recycle Facility

GC VOA (Continued)

Analysis Batch: 74455 (Continued)

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
890-6267-1 MS	FS01	Total/NA	Solid	8021B	74450
890-6267-1 MSD	FS01	Total/NA	Solid	8021B	74450

Analysis Batch: 74735

_ab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
90-6267-1	FS01	Total/NA	Solid	Total BTEX	
390-6267-2	FS02	Total/NA	Solid	Total BTEX	
890-6267-3	FS03	Total/NA	Solid	Total BTEX	
890-6267-4	FS04	Total/NA	Solid	Total BTEX	
890-6267-5	FS05	Total/NA	Solid	Total BTEX	
890-6267-6	SW01	Total/NA	Solid	Total BTEX	
890-6267-7	SW02	Total/NA	Solid	Total BTEX	
890-6267-8	FS06	Total/NA	Solid	Total BTEX	
890-6267-9	FS07	Total/NA	Solid	Total BTEX	
890-6267-10	FS08	Total/NA	Solid	Total BTEX	
890-6267-11	FS09	Total/NA	Solid	Total BTEX	
890-6267-12	FS10	Total/NA	Solid	Total BTEX	
890-6267-13	FS11	Total/NA	Solid	Total BTEX	
890-6267-14	FS12	Total/NA	Solid	Total BTEX	
890-6267-15	SW03	Total/NA	Solid	Total BTEX	
890-6267-16	SW04	Total/NA	Solid	Total BTEX	
890-6267-17	FS14	Total/NA	Solid	Total BTEX	
890-6267-18	FS15	Total/NA	Solid	Total BTEX	
890-6267-19	FS16	Total/NA	Solid	Total BTEX	
890-6267-20	FS17	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 74498

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
890-6267-1	FS01	Total/NA	Solid	8015NM Prep	
890-6267-2	FS02	Total/NA	Solid	8015NM Prep	
890-6267-3	FS03	Total/NA	Solid	8015NM Prep	
890-6267-4	FS04	Total/NA	Solid	8015NM Prep	
890-6267-5	FS05	Total/NA	Solid	8015NM Prep	
890-6267-6	SW01	Total/NA	Solid	8015NM Prep	
890-6267-7	SW02	Total/NA	Solid	8015NM Prep	
890-6267-8	FS06	Total/NA	Solid	8015NM Prep	
890-6267-9	FS07	Total/NA	Solid	8015NM Prep	
890-6267-10	FS08	Total/NA	Solid	8015NM Prep	
890-6267-11	FS09	Total/NA	Solid	8015NM Prep	
890-6267-12	FS10	Total/NA	Solid	8015NM Prep	
890-6267-13	FS11	Total/NA	Solid	8015NM Prep	
890-6267-14	FS12	Total/NA	Solid	8015NM Prep	
890-6267-15	SW03	Total/NA	Solid	8015NM Prep	
890-6267-16	SW04	Total/NA	Solid	8015NM Prep	
890-6267-17	FS14	Total/NA	Solid	8015NM Prep	
890-6267-18	FS15	Total/NA	Solid	8015NM Prep	
890-6267-19	FS16	Total/NA	Solid	8015NM Prep	
890-6267-20	FS17	Total/NA	Solid	8015NM Prep	
MB 880-74498/1-A	Method Blank	Total/NA	Solid	8015NM Prep	

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Job ID: 890-6267-1

SDG: 03C1558251

Client: Ensolum Project/Site: PLU C-1 Recycle Facility

GC Semi VOA (Continued)

Prep Batch: 74498 (Continued)

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
LCS 880-74498/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-74498/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-6267-1 MS	FS01	Total/NA	Solid	8015NM Prep	
890-6267-1 MSD	FS01	Total/NA	Solid	8015NM Prep	

Analysis Batch: 74513

		Fieb Type	IVIALITA	Wethou	Fiep Daten	
LCS 880-74498/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep		
LCSD 880-74498/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep		5
890-6267-1 MS	FS01	Total/NA	Solid	8015NM Prep		
890-6267-1 MSD	FS01	Total/NA	Solid	8015NM Prep		
analysis Batch: 74513						
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch	
890-6267-1	FS01	Total/NA	Solid	8015B NM	74498	8
890-6267-2	FS02	Total/NA	Solid	8015B NM	74498	
890-6267-3	FS03	Total/NA	Solid	8015B NM	74498	9
890-6267-4	FS04	Total/NA	Solid	8015B NM	74498	
890-6267-5	FS05	Total/NA	Solid	8015B NM	74498	
890-6267-6	SW01	Total/NA	Solid	8015B NM	74498	
890-6267-7	SW02	Total/NA	Solid	8015B NM	74498	
890-6267-8	FS06	Total/NA	Solid	8015B NM	74498	
890-6267-9	FS07	Total/NA	Solid	8015B NM	74498	
890-6267-10	FS08	Total/NA	Solid	8015B NM	74498	
890-6267-11	FS09	Total/NA	Solid	8015B NM	74498	
390-6267-12	FS10	Total/NA	Solid	8015B NM	74498	13
390-6267-13	FS11	Total/NA	Solid	8015B NM	74498	
890-6267-14	FS12	Total/NA	Solid	8015B NM	74498	
890-6267-15	SW03	Total/NA	Solid	8015B NM	74498	
390-6267-16	SW04	Total/NA	Solid	8015B NM	74498	
390-6267-17	FS14	Total/NA	Solid	8015B NM	74498	
390-6267-18	FS15	Total/NA	Solid	8015B NM	74498	
390-6267-19	FS16	Total/NA	Solid	8015B NM	74498	
390-6267-20	FS17	Total/NA	Solid	8015B NM	74498	
MB 880-74498/1-A	Method Blank	Total/NA	Solid	8015B NM	74498	
_CS 880-74498/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	74498	
LCSD 880-74498/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	74498	
390-6267-1 MS	FS01	Total/NA	Solid	8015B NM	74498	
890-6267-1 MSD	FS01	Total/NA	Solid	8015B NM	74498	

Analysis Batch: 74692

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
890-6267-1	FS01	Total/NA	Solid	8015 NM	
890-6267-2	FS02	Total/NA	Solid	8015 NM	
890-6267-3	FS03	Total/NA	Solid	8015 NM	
890-6267-4	FS04	Total/NA	Solid	8015 NM	
890-6267-5	FS05	Total/NA	Solid	8015 NM	
890-6267-6	SW01	Total/NA	Solid	8015 NM	
890-6267-7	SW02	Total/NA	Solid	8015 NM	
890-6267-8	FS06	Total/NA	Solid	8015 NM	
890-6267-9	FS07	Total/NA	Solid	8015 NM	
890-6267-10	FS08	Total/NA	Solid	8015 NM	
890-6267-11	FS09	Total/NA	Solid	8015 NM	
890-6267-12	FS10	Total/NA	Solid	8015 NM	
890-6267-13	FS11	Total/NA	Solid	8015 NM	
890-6267-14	FS12	Total/NA	Solid	8015 NM	
890-6267-15	SW03	Total/NA	Solid	8015 NM	
890-6267-16	SW04	Total/NA	Solid	8015 NM	

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Job ID: 890-6267-1 SDG: 03C1558251

Client: Ensolum Project/Site: PLU C-1 Recycle Facility

GC Semi VOA (Continued)

Analysis Batch: 74692 (Continued)

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
890-6267-17	FS14	Total/NA	Solid	8015 NM	
890-6267-18	FS15	Total/NA	Solid	8015 NM	
890-6267-19	FS16	Total/NA	Solid	8015 NM	
890-6267-20	FS17	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 74221

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
890-6267-1	FS01	Soluble	Solid	DI Leach	
890-6267-2	FS02	Soluble	Solid	DI Leach	
890-6267-3	FS03	Soluble	Solid	DI Leach	
890-6267-4	FS04	Soluble	Solid	DI Leach	
890-6267-5	FS05	Soluble	Solid	DI Leach	
890-6267-6	SW01	Soluble	Solid	DI Leach	
890-6267-7	SW02	Soluble	Solid	DI Leach	
890-6267-8	FS06	Soluble	Solid	DI Leach	
890-6267-9	FS07	Soluble	Solid	DI Leach	
890-6267-10	FS08	Soluble	Solid	DI Leach	
890-6267-11	FS09	Soluble	Solid	DI Leach	
390-6267-12	FS10	Soluble	Solid	DI Leach	
390-6267-13	FS11	Soluble	Solid	DI Leach	
390-6267-14	FS12	Soluble	Solid	DI Leach	
390-6267-15	SW03	Soluble	Solid	DI Leach	
390-6267-16	SW04	Soluble	Solid	DI Leach	
390-6267-17	FS14	Soluble	Solid	DI Leach	
890-6267-18	FS15	Soluble	Solid	DI Leach	
390-6267-19	FS16	Soluble	Solid	DI Leach	
390-6267-20	FS17	Soluble	Solid	DI Leach	
MB 880-74221/1-A	Method Blank	Soluble	Solid	DI Leach	
_CS 880-74221/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
_CSD 880-74221/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
390-6267-1 MS	FS01	Soluble	Solid	DI Leach	
390-6267-1 MSD	FS01	Soluble	Solid	DI Leach	
390-6267-11 MS	FS09	Soluble	Solid	DI Leach	
390-6267-11 MSD	FS09	Soluble	Solid	DI Leach	

Analysis Batch: 74486

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
890-6267-1	FS01	Soluble	Solid	300.0	74221
890-6267-2	FS02	Soluble	Solid	300.0	74221
890-6267-3	FS03	Soluble	Solid	300.0	74221
890-6267-4	FS04	Soluble	Solid	300.0	74221
890-6267-5	FS05	Soluble	Solid	300.0	74221
890-6267-6	SW01	Soluble	Solid	300.0	74221
890-6267-7	SW02	Soluble	Solid	300.0	74221
890-6267-8	FS06	Soluble	Solid	300.0	74221
890-6267-9	FS07	Soluble	Solid	300.0	74221
890-6267-10	FS08	Soluble	Solid	300.0	74221
890-6267-11	FS09	Soluble	Solid	300.0	74221
890-6267-12	FS10	Soluble	Solid	300.0	74221

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Job ID: 890-6267-1 SDG: 03C1558251

Client: Ensolum Project/Site: PLU C-1 Recycle Facility

HPLC/IC (Continued)

Analysis Batch: 74486 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6267-13	FS11	Soluble	Solid	300.0	74221
890-6267-14	FS12	Soluble	Solid	300.0	74221
890-6267-15	SW03	Soluble	Solid	300.0	74221
890-6267-16	SW04	Soluble	Solid	300.0	74221
890-6267-17	FS14	Soluble	Solid	300.0	74221
890-6267-18	FS15	Soluble	Solid	300.0	74221
890-6267-19	FS16	Soluble	Solid	300.0	74221
890-6267-20	FS17	Soluble	Solid	300.0	74221
MB 880-74221/1-A	Method Blank	Soluble	Solid	300.0	74221
LCS 880-74221/2-A	Lab Control Sample	Soluble	Solid	300.0	74221
LCSD 880-74221/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	74221
890-6267-1 MS	FS01	Soluble	Solid	300.0	74221
890-6267-1 MSD	FS01	Soluble	Solid	300.0	74221
890-6267-11 MS	FS09	Soluble	Solid	300.0	74221
890-6267-11 MSD	FS09	Soluble	Solid	300.0	74221

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Job ID: 890-6267-1 SDG: 03C1558251

Lab Sample ID: 890-6267-1 Matrix: Solid

Lab Sample ID: 890-6267-2

Matrix: Solid

Matrix: Solid

Date Collected: 02/26/24 10:25 Date Received: 02/27/24 15:39

Client Sample ID: FS01

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	74450	03/01/24 08:24	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	74455	03/01/24 12:44	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			74735	03/01/24 12:44	SM	EET MID
Total/NA	Analysis	8015 NM		1			74692	03/02/24 11:28	SM	EET MID
Total/NA	Prep	8015NM Prep			9.93 g	10 mL	74498	03/01/24 14:27	ткс	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	74513	03/02/24 11:28	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	74221	02/29/24 11:00	SMC	EET MID
Soluble	Analysis	300.0		1			74486	03/03/24 18:08	СН	EET MID

Client Sample ID: FS02

Date Collected: 02/26/24 10:30

Date Received: 02/27/24 15:39

	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	74450	03/01/24 08:24	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	74455	03/01/24 13:04	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			74735	03/01/24 13:04	SM	EET MID
Total/NA	Analysis	8015 NM		1			74692	03/02/24 12:34	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	74498	03/01/24 14:27	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	74513	03/02/24 12:34	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	74221	02/29/24 11:00	SMC	EET MID
Soluble	Analysis	300.0		1			74486	03/03/24 18:38	СН	EET MID

Client Sample ID: FS03

Date Collected: 02/26/24 10:35

Date Received: 02/27/24 15:39

	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	74450	03/01/24 08:24	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	74455	03/01/24 13:25	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			74735	03/01/24 13:25	SM	EET MID
Total/NA	Analysis	8015 NM		1			74692	03/02/24 12:56	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	74498	03/01/24 14:27	ткс	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	74513	03/02/24 12:56	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	74221	02/29/24 11:00	SMC	EET MID
Soluble	Analysis	300.0		1			74486	03/03/24 18:48	CH	EET MID

Client Sample ID: FS04 Date Collected: 02/26/24 11:10 Date Received: 02/27/24 15:39

	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	74450	03/01/24 08:24	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	74455	03/01/24 13:45	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			74735	03/01/24 13:45	SM	EET MID

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Matrix: Solid

Lab Sample ID: 890-6267-4

Lab Sample ID: 890-6267-3

Job ID: 890-6267-1 SDG: 03C1558251

Lab Sample ID: 890-6267-4 Matrix: Solid

Lab Sample ID: 890-6267-5

Lab Sample ID: 890-6267-6

Lab Sample ID: 890-6267-7

Matrix: Solid

Matrix: Solid

Matrix: Solid

Date Collected: 02/26/24 11:10 Date Received: 02/27/24 15:39

Client Sample ID: FS04

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			74692	03/02/24 13:18	SM	EET MID
Total/NA	Prep	8015NM Prep			10.055 g	10 mL	74498	03/01/24 14:27	ткс	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	74513	03/02/24 13:18	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	74221	02/29/24 11:00	SMC	EET MID
Soluble	Analysis	300.0		1			74486	03/03/24 18:58	СН	EET MID

Client Sample ID: FS05 Date Collected: 02/26/24 11:15

Date Received: 02/27/24 15:39

	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	74450	03/01/24 08:24	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	74455	03/01/24 14:06	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			74735	03/01/24 14:06	SM	EET MID
Total/NA	Analysis	8015 NM		1			74692	03/02/24 13:40	SM	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10 mL	74498	03/01/24 14:27	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	74513	03/02/24 13:40	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	74221	02/29/24 11:00	SMC	EET MID
Soluble	Analysis	300.0		1			74486	03/03/24 19:08	СН	EET MID

Client Sample ID: SW01

Date Collected: 02/26/24 11:20 Date Received: 02/27/24 15:39

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	74450	03/01/24 08:24	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	74455	03/01/24 14:26	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			74735	03/01/24 14:26	SM	EET MID
Total/NA	Analysis	8015 NM		1			74692	03/02/24 14:02	SM	EET MID
Total/NA	Prep	8015NM Prep			9.97 g	10 mL	74498	03/01/24 14:27	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	74513	03/02/24 14:02	SM	EET MID
Soluble	Leach	DI Leach			5.4 g	50 mL	74221	02/29/24 11:00	SMC	EET MID
Soluble	Analysis	300.0		1			74486	03/03/24 19:37	CH	EET MID

Client Sample ID: SW02

Date Collected: 02/26/24 11:25 Date Received: 02/27/24 15:39

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	74450	03/01/24 08:24	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	74455	03/01/24 14:47	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			74735	03/01/24 14:47	SM	EET MID
Total/NA	Analysis	8015 NM		1			74692	03/02/24 14:25	SM	EET MID
Total/NA	Prep	8015NM Prep			9.92 g	10 mL	74498	03/01/24 14:27	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	74513	03/02/24 14:25	SM	EET MID

Lab Chronicle

Job ID: 890-6267-1 SDG: 03C1558251

Lab Sample ID: 890-6267-8

Lab Sample ID: 890-6267-9

Lab Sample ID: 890-6267-7

Matrix: Solid

Matrix: Solid

Matrix: Solid

9

Date Collected: 02/26/24 11:25 Date Received: 02/27/24 15:39

Client Sample ID: SW02

Client: Ensolum

	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	74221	02/29/24 11:00	SMC	EET MID
Soluble	Analysis	300.0		1			74486	03/03/24 19:47	СН	EET MID

Client Sample ID: FS06

Date Collected: 02/26/24 13:05 Date Received: 02/27/24 15:39

	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	74450	03/01/24 08:24	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	74455	03/01/24 15:07	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			74735	03/01/24 15:07	SM	EET MID
Total/NA	Analysis	8015 NM		1			74692	03/02/24 14:47	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	74498	03/01/24 14:27	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	74513	03/02/24 14:47	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	74221	02/29/24 11:00	SMC	EET MID
Soluble	Analysis	300.0		1			74486	03/03/24 19:57	СН	EET MID

Client Sample ID: FS07 Date Collected: 02/26/24 13:15 Date Received: 02/27/24 15:39

	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	74450	03/01/24 08:24	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	74455	03/01/24 15:28	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			74735	03/01/24 15:28	SM	EET MID
Total/NA	Analysis	8015 NM		1			74692	03/02/24 15:09	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	74498	03/01/24 14:27	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	74513	03/02/24 15:09	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	74221	02/29/24 11:00	SMC	EET MID
Soluble	Analysis	300.0		1			74486	03/03/24 20:07	СН	EET MID

Client Sample ID: FS08 Date Collected: 02/26/24 13:25

Date Received: 02/27/24 15:39

Lab Sample ID: 890-6267-10

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			4.96 g	5 mL	74450	03/01/24 08:24	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	74455	03/01/24 15:48	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			74735	03/01/24 15:48	SM	EET MID
Total/NA	Analysis	8015 NM		1			74692	03/02/24 15:31	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	74498	03/01/24 14:27	ТКС	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	74513	03/02/24 15:31	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	74221	02/29/24 11:00	SMC	EET MID
Soluble	Analysis	300.0		1			74486	03/03/24 20:17	СН	EET MID

Eurofins Carlsbad

Released to Imaging: 6/7/2024 11:34:08 AM

Batch

Туре

Prep

Analysis

Analysis

Analysis

Analysis

Analysis

Leach

Prep

Batch

Method

5035

8021B

Total BTEX

8015NM Prep

8015B NM

DI Leach

300.0

8015 NM

Client Sample ID: FS09

Date Collected: 02/26/24 09:30

Date Received: 02/27/24 15:39

Client: Ensolum

Prep Type

Total/NA

Total/NA

Total/NA

Total/NA

Total/NA

Total/NA

Soluble

Soluble

Initial

Amount

4.97 g

5 mL

10.04 g

1 uL

4.96 g

Final

Amount

5 mL

5 mL

10 mL

1 uL

50 mL

Batch

74450

74455

74735

74692

74498

74513

74221

74486

Number

Dil

1

1

1

1

1

Factor

Run

Job ID: 890-6267-1 SDG: 03C1558251

Lab Sample ID: 890-6267-11

Analyst

EL

MNR

SM

SM

ткс

SM

SMC

СН

Lab Sample ID: 890-6267-12

Lab Sample ID: 890-6267-13

Lab Sample ID: 890-6267-14

Prepared

or Analyzed

03/01/24 08:24

03/01/24 18:05

03/01/24 18:05

03/02/24 16:15

03/01/24 14:27

03/02/24 16:15

02/29/24 11:00

03/03/24 20:27

Matrix: Solid

Lab

EET MID

Matrix: Solid

Matrix: Solid

Client Sample ID: FS10 Date Collected: 02/26/24 09:35

Date Received: 02/27/24 15:39

	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	74450	03/01/24 08:24	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	74455	03/01/24 18:25	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			74735	03/01/24 18:25	SM	EET MID
Total/NA	Analysis	8015 NM		1			74692	03/02/24 16:37	SM	EET MID
Total/NA	Prep	8015NM Prep			9.91 g	10 mL	74498	03/01/24 14:27	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	74513	03/02/24 16:37	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	74221	02/29/24 11:00	SMC	EET MID
Soluble	Analysis	300.0		1			74486	03/03/24 20:57	СН	EET MID

Client Sample ID: FS11

Date Collected: 02/26/24 12:10

Date Received: 02/27/24 15:39

	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	74450	03/01/24 08:24	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	74455	03/01/24 18:46	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			74735	03/01/24 18:46	SM	EET MID
Total/NA	Analysis	8015 NM		1			74692	03/02/24 16:59	SM	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10 mL	74498	03/01/24 14:27	ТКС	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	74513	03/02/24 16:59	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	74221	02/29/24 11:00	SMC	EET MID
Soluble	Analysis	300.0		1			74486	03/03/24 21:07	СН	EET MID

Client Sample ID: FS12 Date Collected: 02/26/24 09:45 Date Received: 02/27/24 15:39

_	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	74450	03/01/24 08:24	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	74455	03/01/24 19:06	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			74735	03/01/24 19:06	SM	EET MID

Eurofins Carlsbad

Matrix: Solid

Released to Imaging: 6/7/2024 11:34:08 AM

Job ID: 890-6267-1 SDG: 03C1558251

Lab Sample ID: 890-6267-14 Matrix: Solid

Lab Sample ID: 890-6267-15

Client Sample ID: FS12 Date Collected: 02/26/24 09:45 Date Received: 02/27/24 15:39

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			74692	03/02/24 17:21	SM	EET MID
Total/NA	Prep	8015NM Prep			9.92 g	10 mL	74498	03/01/24 14:27	ткс	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	74513	03/02/24 17:21	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	74221	02/29/24 11:00	SMC	EET MID
Soluble	Analysis	300.0		1			74486	03/03/24 21:36	СН	EET MID

Client Sample ID: SW03

Date Collected: 02/26/24 09:50 Date Received: 02/27/24 15:39

	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	74450	03/01/24 08:24	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	74455	03/01/24 19:27	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			74735	03/01/24 19:27	SM	EET MID
Total/NA	Analysis	8015 NM		1			74692	03/02/24 17:44	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	74498	03/01/24 14:27	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	74513	03/02/24 17:44	SM	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	74221	02/29/24 11:00	SMC	EET MID
Soluble	Analysis	300.0		1			74486	03/03/24 21:46	СН	EET MID

Client Sample ID: SW04

Date Collected: 02/26/24 09:55 Date Received: 02/27/24 15:39

	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	74450	03/01/24 08:24	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	74455	03/01/24 19:47	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			74735	03/01/24 19:47	SM	EET MID
Total/NA	Analysis	8015 NM		1			74692	03/02/24 18:05	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	74498	03/01/24 14:27	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	74513	03/02/24 18:05	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	74221	02/29/24 11:00	SMC	EET MID
Soluble	Analysis	300.0		1			74486	03/03/24 21:56	CH	EET MID

Client Sample ID: FS14

Date Collected: 02/26/24 12:25 Date Received: 02/27/24 15:39

	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	74450	03/01/24 08:24	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	74455	03/01/24 20:08	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			74735	03/01/24 20:08	SM	EET MID
Total/NA	Analysis	8015 NM		1			74692	03/02/24 18:26	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	74498	03/01/24 14:27	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	74513	03/02/24 18:26	SM	EET MID

Eurofins Carlsbad

Lab Sample ID: 890-6267-16

Lab Sample ID: 890-6267-17

Matrix: Solid

Matrix: Solid

Matrix: Solid

Lab Chronicle

Job ID: 890-6267-1 SDG: 03C1558251

Lab Sample ID: 890-6267-17

Lab Sample ID: 890-6267-18

Lab Sample ID: 890-6267-19

Client Sample ID: FS14 Date Collected: 02/26/24 12:25

Client: Ensolum

Date Received: 02/27/24 15:39

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.98 g	50 mL	74221	02/29/24 11:00	SMC	EET MID
Soluble	Analysis	300.0		1			74486	03/03/24 22:06	СН	EET MID

Client Sample ID: FS15

Date Collected: 02/26/24 13:30 Date Received: 02/27/24 15:39

	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	74450	03/01/24 08:24	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	74455	03/01/24 20:28	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			74735	03/01/24 20:28	SM	EET MID
Total/NA	Analysis	8015 NM		1			74692	03/02/24 18:48	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	74498	03/01/24 14:27	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	74513	03/02/24 18:48	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	74221	02/29/24 11:00	SMC	EET MID
Soluble	Analysis	300.0		1			74486	03/03/24 22:16	СН	EET MID

Client Sample ID: FS16 Date Collected: 02/26/24 12:55 Date Received: 02/27/24 15:39

Batch Dil Final Batch Initial Batch Prepared Prep Type Туре Method Run Factor Amount Amount Number or Analyzed Analyst Lab Total/NA Prep 5035 4.99 g 5 mL 74450 03/01/24 08:24 EL EET MID Total/NA 8021B 5 mL 5 mL 03/01/24 20:49 EET MID Analysis 1 74455 MNR Total/NA Analysis Total BTEX 74735 03/01/24 20:49 SM EET MID 1 Total/NA Analysis 8015 NM 1 74692 03/02/24 19:09 SM EET MID 9.98 g 03/01/24 14:27 Total/NA Prep 8015NM Prep 10 mL 74498 TKC EET MID Total/NA Analysis EET MID 8015B NM 1 1 uL 1 uL 74513 03/02/24 19:09 SM Soluble Leach DI Leach 4.97 g 50 mL 74221 02/29/24 11:00 SMC EET MID Soluble Analysis 300.0 1 74486 03/03/24 22:26 СН EET MID

Client Sample ID: FS17 Date Collected: 02/26/24 14:00 Date Received: 02/27/24 15:39

Lab Sample ID: 890-6267-20

Matrix: Solid

Matrix: Solid

	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	74450	03/01/24 08:24	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	74455	03/01/24 21:10	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			74735	03/01/24 21:10	SM	EET MID
Total/NA	Analysis	8015 NM		1			74692	03/02/24 19:31	SM	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10 mL	74498	03/01/24 14:27	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	74513	03/02/24 19:31	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	74221	02/29/24 11:00	SMC	EET MID
Soluble	Analysis	300.0		1			74486	03/03/24 22:36	CH	EET MID

Eurofins Carlsbad

Matrix: Solid

Matrix: Solid

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Released to Imaging: 6/7/2024 11:34:08 AM

Lab Chronicle

Client: Ensolum Project/Site: PLU C-1 Recycle Facility

Laboratory References:

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

Job ID: 890-6267-1 SDG: 03C1558251

	Acc	creditation/Cerf	tification Summary			
lient: Ensolum roject/Site: PLU C-1 Recy	cycle Facility				Job ID: 890-6267-1 SDG: 03C1558251	Ī
aboratory: Eurofins nless otherwise noted, all analy		covered under each accredi	itation/certification below.			
Authority	Progra		Identification Number	Expiration Date		
exas	NELAP	2	T104704400-23-26	06-30-24	-	
	are included in this report, but loes not offer certification.	t the laboratory is not certifi	fied by the governing authority. This lis	t may include analytes		
Analysis Method	Prep Method	Matrix	Analyte			
8015 NM		Solid	Total TPH			
Total BTEX		Solid	Total BTEX			
						Ì

Client: Ensolum

Job ID: 890-6267-1 SDG: 03C1558251

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	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			
EPA = US	Environmental Protection Agency			
SW846 = '	'Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition	on, November 1986 And Its Updates.		
TAL SOP :	 TestAmerica Laboratories, Standard Operating Procedure 			
Laboratory Re	eferences:			
EET MID =	Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440			- 1
				- 1
				- 5

Sample Summary

Client: Ensolum Project/Site: PLU C-1 Recycle Facility

Sample ID	Client Sample ID	Matrix	Collected	Received
6267-1	FS01	Solid	02/26/24 10:25	02/27/24 15:39
6267-2	FS02	Solid	02/26/24 10:30	02/27/24 15:39
6267-3	FS03	Solid	02/26/24 10:35	02/27/24 15:39
6267-4	FS04	Solid	02/26/24 11:10	02/27/24 15:39
6267-5	FS05	Solid	02/26/24 11:15	02/27/24 15:39
6267-6	SW01	Solid	02/26/24 11:20	02/27/24 15:39
6267-7	SW02	Solid	02/26/24 11:25	02/27/24 15:39
6267-8	FS06	Solid	02/26/24 13:05	02/27/24 15:39
6267-9	FS07	Solid	02/26/24 13:15	02/27/24 15:39
6267-10	FS08	Solid	02/26/24 13:25	02/27/24 15:39
6267-11	FS09	Solid	02/26/24 09:30	02/27/24 15:39
6267-12	FS10	Solid	02/26/24 09:35	02/27/24 15:39
6267-13	FS11	Solid	02/26/24 12:10	02/27/24 15:39
6267-14	FS12	Solid	02/26/24 09:45	02/27/24 15:39
6267-15	SW03	Solid	02/26/24 09:50	02/27/24 15:39
6267-16	SW04	Solid	02/26/24 09:55	02/27/24 15:39
6267-17	FS14	Solid	02/26/24 12:25	02/27/24 15:39
6267-18	FS15	Solid	02/26/24 13:30	02/27/24 15:39
6267-19	FS16	Solid	02/26/24 12:55	02/27/24 15:39
6267-20	FS17	Solid	02/26/24 14:00	02/27/24 15:39

Job ID: 890-6267-1 SDG: 03C1558251

eurofins	ns			Houston,	Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300	X (214) 902-0300		а
		Environment Testing	20	Midland, TX EL Paso, 1 Hobbs, NA	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 Little Rock, AR (501) 224-5060	r, TX (210) 509-3334 TX (806) 794-1296 MM (575) 988-3199 5060	Work Order No:	No:
Project Manader:	Ren Belill		0	Bill to: (if different)	Amu Ruth		Work Ord	Work Order Comments
1-		1.C.		Company Name:	XIN FNBrau	-	Program: UST/PST PRP Brownfields RC	ownfields RRC Superfund
Ir-	16MIAN 00	DAFKC	HWU A	Address:	1+	the St	State of Project:	
le ZIP:	arlshad	M 882		City, State ZIP:	Sd7	JM 98220	Reporting: Level II 🗌 Level III 🔲 PST/UST 🗍 TRRP 🗍	
		-0852		Amy. Ruthi	HE EXXUNNODI	iii.com	Deliverables: EDD	ADaPT 🗌 Other:
Project Name: DL	PLU C-1 RECVI	-1 Rechicle, Facility Turn	Turn Around			ANALYSIS REQUEST	QUEST	Preservative Codes
Ľ	1-1	1 I		Rush Code	8. 19			None: NO DI Water: H ₂ O
	12.	3. Buot Du		Sdays				ol
Sampler's Name: N	Mariaha U'I	D'Dell TA	T starts the c	TAT starts the day received by the lab, if received by 4:30pm				HGL: HC RNO3 H ₅ SO ₄ : H ₂ NaOH: Na
SAMDI E DECEIDT	Temn Blank	+-	Wet Ice	ON ANY				0
Samples Received Intact	+	Thermometer ID:		1	5			NaHSO4: NABIS
Cooler Custody Seals:	Yes N	-		T	p	Chain of Custody	of Custody	Na ₂ S ₂ O ₃ : NaSO ₃
Sample Custody Seals:	Yes No NIA	Temperature Reading:	ading:	11) 	890-626/ 0114		Zn Acetate+NaOH: Zn
Total Containers:		1 1	berature:	2.0	E> 10-			NaOH+Ascorbic Acid: SAPC
Sample Identification	ation Matrix	Date Sampled	Time	Depth Grab/ # of Comp Cont	19 1 1 1 1			Sample Comments
FSOL	S		10:25	1. C 1	$X \times X$			Incident # :
F502	1		10:30	1. 1 1				HOPPEZILO ULTHUM
FS03		1 1 10	10.35	2.		_		Cost center:
FSOH		11	11:10	2.				21982
FCO5		UT	15	2, 1				113
LOND		1	-	21				
SW02		11	-	0-2				16
ESOW	+		12 00	2.				Del Delite a colum
F301		7 77	GT. CT	4 4 10	XXX			2
Total 200.7 / 6010	200.8 / 6020:	BRCF	BRCRA 13PPM Texas		AI Sb As Ba Be B Cd	Ca Cr	to Ni K Se	Na Sr TI Sn L
le Method(s) and I signature of this docu vice. Eurofine Xenco wi	Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010: Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order of samples. Eurofins Xenco will be also only for the coart of samples and shall not seature any respon of samples.	yzed T(t of samples constitut bat of samples and sh	TCLP / SPLP 6010: tutes a valid purchase orde shall not assume any response	.P 6010: BRCRA chase order from cliant e any responsibility for	A Sb As Ba Be Cd C treampany to Eurofins Xenco, 1 r amy losses or expenses incurr to a submitted to Eurofins Xenco	Cr Co Cu Pb Mn Mo Ni Se Ag , its affiliates and subcontractors. It assigns eta med by the client if such losses are due to circu co. but not analyzed. These terms will be enforce	Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010: BRCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag TI U Hg: 1631 / 2 Notice: Signature of this document and relinquiahment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and aubcontractors. It assigns standard terms and conditions of sarvice: Eurofins Xenco will be lable only for the cost of samples and shall not assume a submitted for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of sarvice: Eurofins Xenco will be habe only for the cost of samples and shall not assume a submitted fo Eurofins Xenco by the client if such losses are due to circumstances beyond the control of curvice: Xenco and and the analytic of collecting the analytic of the applicated.	11/245.1/7470/7471
Relinquished by: (Signature)	signature)	Received by: (Signature)	y: (Signati	ire)	Date/Time R	Relinquished by: (Signature)	ture) Received by: (Signature)	ature) Date/Time
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😵 eurofins			Houston, 1	CIAIL OL CUSICUY Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300	x (214) 902-0300	а. А.		
	Environment Testing	sting	Midland, TX EL Paso, T Hobbs, NM	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 Little Rock, AR (501) 224-5060	, TX (210) 509-3334 TX (806) 794-1296 M (575) 988-3199 i060	Work O	Work Order No:	2, or 2
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Project Manager: DED	1 Delill	811	Bill to: (if different)	7		DAA	MOIN OLUGI COLLINE	
Company Name: En	Ensolum, LLC	<u>S</u>	Company Name:	XTO ENERGY	4	Program: UST/PST PRP Brownfields RRC Superfund	RP Brownfields R	RC Superfund
Address: 3122	National F	HWU Ado	Address:	1	- ~	State of Project:		
City, State ZIP: CAY SC	arishad, NM 8822 apal 854 -0852	Email:	City, State ZIP:	Zuth Carlsbad, NM 8823	NM 88220	Reporting: Level II Level III LPST/UST TRRP L Deliverables: EDD ADaPT Other:		TRRP L Level NL Other:
Nama Di 11					ANALYSIS REQUEST	QUEST	Prese	Preservative Codes
r. 030	36,155,99,51	Ro	Rush Code				None: NO	DI Water: H ₂ O
32.	103.8 wort	Due Date: 5	days				Cool: Cool	MeOH: Me
Sampler's Name: M. d.h.	Mariaha O'Dell	TAT starts the day received by the lab, if received by 4:30pm					HCL: HC H ₃ S0 ₄ : H ₅	HNO ₃ NaOH: Na
SAMPLE RECEIPT	Temp Blank: Yes No	Wet Ice:	Ves No	5			H ₃ PO ₄ : HP	
Samples Received Intact:	K.		Г	8			NaHSO4: NABIS	ABIS
+	AN	actor:	Pa	<u>p 1</u>			Na ₂ S ₂ O ₃ : NaSO ₃	aSO ₃
	No N/A	a Reading:					Zn Acetate+NaOH: Zn	+NaOH: Zn
П		emperature:		191 191			NaOH+Asc	NaOH+Ascorbic Acid: SAPC
Sample Identification	n Matrix Date	Time Sampled De	Depth Grab/ # of Comp Cont	27			Sam	Sample Comments
FSOG	S 2127124	0:30 2	1 2 1	XXX			Incid	Incident # :
FS10		0.35 2		1111			NAPP	NAPP2310047464
F. 711		12:10 2					Cost	(enter:
FS12		9.45 2					22198	821001
SW03		9:50 D	.2.					219871001
SNOT		9:55 0	21				2	181001
FS14		0	5				5	191001
E125		+	0.5				DC1	D 21111 .
FSID	R R.	12.55 0	0.5. 4	***			DDGUILC	IC EDADIULT
Total 200.7 / 6010 200.8 / 6020: Circle Mathod(s) and Matal(s) to be analyzed		BRCRA 13PPM Texa TCLP / SPLP 6010:	Texas 11 6010: 8RC	AI Sb As Ba Be B Cd Ca Cr RA Sb As Ba Be Cd Cr Co C		3 Mn Mo Ni K Se Se Ag Ti U	Ag SiO ₂ Na Sr Ti Sn Hg: 1631 / 245.1 / 7470	3n U V Zn 70 / 7471
control of this document ce: Signature of this document protes. Eurofina Xenco will be protes Xenco. A minimum the	Concert works of the document and relinquishment of samples constituties a valid purchase order from client company to Eurofins Xenco, its affiliates and aubcontractors. It assigns standard farms and conditions of savius. Eurofins the document and relinquishment of samples and and on the contractor its assigns standard farms and conditions of savius. Xenco, the much one of the cost of samples and sub-ontractor and the control for any losses or expanses incurred by the client if such losses are due to circumstances beyond the control for the xence. Xenco, a minimum the much of the control of each sample submitted to Eurofins Xenco, but not analyzed. These form cultes and regolated.	stitutes a valid purch of shall not assume project and a charg	hase order from clien any responsibility for a of \$5 for each sam	t company to Eurofins Xenco, it - any losses or expenses incurry ple submitted to Eurofins Xenco	ta affiliates and subcontractors ed by the client if such losses a 2, but not analyzed. These term	from client company to Eurofins Xenco, its sfillistes and subcontractors. It assigns standard farms and conditions nability for any losses or expenses incurred by the client if such losses are due to froumstances beyond the contro sech sample submitted to Eurofins Xenco. Vut not analyzed. These terms will be inforced unless previously regoti	conditions the control viy negotistad.	
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Received by OCD: 6/4/2024 9:36:12 AM

Released to Imaging: 6/7/2024 11:34:08 AM

3/4/2024

Job Number: 890-6267-1 SDG Number: 03C1558251

List Source: Eurofins Carlsbad

Login Sample Receipt Checklist

Client: Ensolum

Login Number: 6267 List Number: 1 Creator: Lopez, Abraham

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	

14

Job Number: 890-6267-1 SDG Number: 03C1558251

List Source: Eurofins Midland

List Creation: 03/01/24 08:03 AM

Login Sample Receipt Checklist

Client: Ensolum

Login Number: 6267 List Number: 2 Creator: Kramer, Jessica

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.	True	
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").

14



Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Ben Belill Ensolum 601 N. Marienfeld St. Suite 400 Midland, Texas 79701 Generated 3/7/2024 6:18:25 PM

JOB DESCRIPTION

PLU C-1 Recycle Facility 03C1558251

JOB NUMBER

890-6288-1

N. Marie S nd, Texa d 3/7/2024 **SCRII** Recycle 03C²

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 3/7/2024 6:18:25 PM

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

Eurofins Carlsbad is a laboratory within Eurofins Environment Testing South Central, LLC, a company within Eurofins Environment Testing Group of Companies

SDG: 03C1558251

Laboratory Job ID: 890-6288-1

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-			
	Definitions/Glossary		
Client: Ensolu		Job ID: 890-6288-1	
Project/Site: I	PLU C-1 Recycle Facility	SDG: 03C1558251	
Qualifiers			3
GC VOA			
Qualifier	Qualifier Description		
*+	LCS and/or LCSD is outside acceptance limits, high biased.		
`1	LCS/LCSD RPD exceeds control limits.		5
F1	MS and/or MSD recovery exceeds control limits.		
S1-	Surrogate recovery exceeds control limits, low biased.		6
U	Indicates the analyte was analyzed for but not detected.		
GC Semi VO	Α		
Qualifier	Qualifier Description		
*1	LCS/LCSD RPD exceeds control limits.		8
S1-	Surrogate recovery exceeds control limits, low biased.		
S1+	Surrogate recovery exceeds control limits, high biased.		Ç
U	Indicates the analyte was analyzed for but not detected.		
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.		4
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis		
%R	Percent Recovery		
CFL	Contains Free Liquid		

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

Case Narrative

Job ID: 890-6288-1

Client: Ensolum Project: PLU C-1 Recycle Facility

Eurofins Carlsbad

Job ID: 890-6288-1

Job Narrative 890-6288-1

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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 2/29/2024 2:29 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 1.2°C.

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: BH 07 (890-6288-1), BH 07A (890-6288-2), BH 07B (890-6288-3), BH 07C (890-6288-4), BH 07D (890-6288-5), BH 08 (890-6288-6), BH 08A (890-6288-7), BH 08B (890-6288-8), BH 08C (890-6288-9), BH 08D (890-6288-10), BH 10 (890-6288-11), BH 10A (890-6288-12), BH 10B (890-6288-13), BH 10C (890-6288-14), BH 10D (890-6288-15), BH 09 (890-6288-16), BH 09A (890-6288-17), BH 09B (890-6288-18), BH 09C (890-6288-19) and BH 09D (890-6288-20).

GC VOA

Method 8021B: The continuing calibration verification (CCV) associated with batch 880-74750 recovered above the upper control limit for Benzene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: (CCV 880-74750/2) and (CCV 880-74750/20).

Method 8021B: The laboratory control sample (LCS) for preparation batch 880-74652 and analytical batch 880-74750 recovered outside control limits for the following analytes: o-Xylene. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-74652 and analytical batch 880-74750 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 sample was outside control limits: (LCS 880-74652/1-A). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The continuing calibration verification (CCV) associated with batch 880-74750 recovered above the upper control limit for Benzene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is impacted: (CCV 880-74750/33).

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

GC Semi VOA

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Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: BH 07D (890-6288-5), BH 08 (890-6288-6), BH 10D (890-6288-15), BH 09 (890-6288-16), BH 09A (890-6288-17) and BH 09B (890-6288-18). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 880-74821 and analytical batch 880-74775 recovered outside control limits for the following analytes: Gasoline Range Organics (GRO)-C6-C10.

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

Case Narrative

Job ID: 890-6288-1

Client: Ensolum Project: PLU C-1 Recycle Facility

JUD ID. 090-0200-1

Eurofins Carlsbad

Job ID: 890-6288-1 (Continued)

HPLC/IC

Method 300_ORGFM_28D - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-74607 and analytical batch 880-74745 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.

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

Result Qualifier

RL

Unit

D

Prepared

Job ID: 890-6288-1 SDG: 03C1558251

Client Sample ID: BH 07

Date Collected: 02/28/24 13:10 Date Received: 02/29/24 14:29

Sample Depth: 0.5'

Client: Ensolum

Analyte

SDG: 03C1

Lab Sample ID: 890-6288-1

Analyzed

Matrix: Solid

Benzene	< 0.00201	U F1	0.00201	mg/Kg		03/04/24 13:22	03/05/24 11:55	
Toluene	<0.00201	U	0.00201	mg/Kg		03/04/24 13:22	03/05/24 11:55	
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		03/04/24 13:22	03/05/24 11:55	
m-Xylene & p-Xylene	<0.00402	U	0.00402	mg/Kg		03/04/24 13:22	03/05/24 11:55	
o-Xylene	<0.00201	U *+ *1	0.00201	mg/Kg		03/04/24 13:22	03/05/24 11:55	
Xylenes, Total	<0.00402	U *+ *1	0.00402	mg/Kg		03/04/24 13:22	03/05/24 11:55	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	105		70 - 130			03/04/24 13:22	03/05/24 11:55	
1,4-Difluorobenzene (Surr)	104		70 - 130			03/04/24 13:22	03/05/24 11:55	
Method: TAL SOP Total BTEX - 1	Total BTEX Cal	culation						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Total BTEX	<0.00402	U	0.00402	mg/Kg			03/05/24 11:55	
Method: SW846 8015 NM - Diese	el Range Organ	ics (DRO) (GC)					
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	mg/Kg			03/05/24 22:12	1
Method: SW846 8015B NM - Dies			· · · ·	1114	_	Durana	Amelianad	
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Gasoline Range Organics (GRO)-C6-C10	<49.8	U *1	49.8	mg/Kg		03/05/24 14:06	03/05/24 22:12	
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		03/05/24 14:06	03/05/24 22:12	
Oll Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		03/05/24 14:06	03/05/24 22:12	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
1-Chlorooctane	121		70 - 130			03/05/24 14:06	03/05/24 22:12	
o-Terphenyl	111		70 - 130			03/05/24 14:06	03/05/24 22:12	1
Method: EPA 300.0 - Anions, Ion	Chromatogra	ohy - Solubl	e					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	53.9		5.00	mg/Kg			03/05/24 16:52	1
lient Sample ID: BH 07A						Lab Sar	nple ID: 890-	6288-2
ate Collected: 02/28/24 13:15							Matri	ix: Solid
ate Received: 02/29/24 14:29								
ample Depth: 1'								
Method: SW846 8021B - Volatile	Organic Com	ounds (GC)						
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		03/04/24 13:22	03/05/24 12:16	1
Toluene	<0.00200	U	0.00200	mg/Kg		03/04/24 13:22	03/05/24 12:16	1
Ethylbenzene	<0.00200	U.	0.00200	ma/Ka		03/04/24 13:22	03/05/24 12:16	1

4-Bromofluorobenzene (Surr)	106		70 - 130		03/04/24 13:22	03/05/24 12:16	1
Surrogate	%Recovery	Qualifier	Limits		Prepared	Analyzed	Dil Fac
Xylenes, Total	<0.00401	U *+ *1	0.00401	mg/Kg	03/04/24 13:22	03/05/24 12:16	1
o-Xylene	<0.00200	U *+ *1	0.00200	mg/Kg	03/04/24 13:22	03/05/24 12:16	1
m-Xylene & p-Xylene	<0.00401	U	0.00401	mg/Kg	03/04/24 13:22	03/05/24 12:16	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg	03/04/24 13:22	03/05/24 12:16	1
Toluene	<0.00200	U	0.00200	mg/Kg	03/04/24 13:22	03/05/24 12:16	1

Client Sample Results

Limits

70 - 130

RL

0.00401

Job ID: 890-6288-1 SDG: 03C1558251

Client Sample ID: BH 07A

Date Collected: 02/28/24 13:15 Date Received: 02/29/24 14:29

Sample Depth: 1'

1,4-Difluorobenzene (Surr)

Client: Ensolum

Surrogate

Analyte

Total BTEX

Lab	Sample	ID:	890-6288-2

Analyzed

03/05/24 12:16

Analyzed

03/05/24 12:16

Prepared

03/04/24 13:22

Prepared

D

Matrix: Solid

Dil Fac

Dil Fac

1

1

5

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	3
Total TPH	<50.5	U	50.5	mg/Kg			03/05/24 23:19	1	10
Method: SW846 8015B NM - Diese	I Range Orga	nics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	11
Gasoline Range Organics (GRO)-C6-C10	<50.5	U *1	50.5	mg/Kg		03/05/24 14:06	03/05/24 23:19	1	12
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5	mg/Kg		03/05/24 14:06	03/05/24 23:19	1	4.2
Oll Range Organics (Over C28-C36)	<50.5	U	50.5	mg/Kg		03/05/24 14:06	03/05/24 23:19	1	13
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	14
1-Chlorooctane	120		70 - 130			03/05/24 14:06	03/05/24 23:19	1	
o-Terphenyl	108		70 - 130			03/05/24 14:06	03/05/24 23:19	1	

Unit

mg/Kg

Method: EPA 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)

%Recovery Qualifier

Result Qualifier

106

<0.00401 U

Analyte		ualifier RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	54.8	4.98	mg/Kg			03/05/24 17:05	1

Client Sample ID: BH 07B

Date Collected: 02/28/24 13:20 Date Received: 02/29/24 14:29

Lab Sample ID: 890-6288-3 Matrix: Solid

Dil Fac

1

1

1

1

1

1

1

1

1

Dil Fac

Dil Fac

Method: SW846 8021B - Volati Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed
Benzene	<0.00200	U	0.00200	mg/Kg		03/04/24 13:22	03/05/24 12:37
Toluene	<0.00200	U	0.00200	mg/Kg		03/04/24 13:22	03/05/24 12:37
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		03/04/24 13:22	03/05/24 12:37
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		03/04/24 13:22	03/05/24 12:37
o-Xylene	<0.00200	U *+ *1	0.00200	mg/Kg		03/04/24 13:22	03/05/24 12:37
Xylenes, Total	<0.00399	U *+ *1	0.00399	mg/Kg		03/04/24 13:22	03/05/24 12:37
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed
4-Bromofluorobenzene (Surr)			70 - 130			03/04/24 13:22	03/05/24 12:33
1,4-Difluorobenzene (Surr)	103		70 - 130			03/04/24 13:22	03/05/24 12:33
Method: TAL SOP Total BTEX	- Total BTEX Cald	culation					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed
Total BTEX	< 0.00399	U	0.00399	mg/Kg			03/05/24 12:37

	ange Organi	ics (DRO) (0	GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			03/05/24 23:42	1

Job ID: 890-6288-1 SDG: 03C1558251

Matrix: Solid

5

Lab Sample ID: 890-6288-3

Lab Sample ID: 890-6288-4

Matrix: Solid

Client Sample ID: BH 07B

Date Collected: 02/28/24 13:20 Date Received: 02/29/24 14:29

Dato It		
Sample	e Depth:	2'

Client: Ensolum

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *1	49.9	mg/Kg		03/05/24 14:06	03/05/24 23:42	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		03/05/24 14:06	03/05/24 23:42	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		03/05/24 14:06	03/05/24 23:42	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	125		70 - 130			03/05/24 14:06	03/05/24 23:42	1
o-Terphenyl	111		70 - 130			03/05/24 14:06	03/05/24 23:42	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	73.3	5.02	mg/Kg			03/05/24 17:09	1

Client Sample ID: BH 07C

Date Collected: 02/28/24 13:25 Date Received: 02/29/24 14:29

Sample Depth: 3'

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198	mg/Kg		03/04/24 13:22	03/05/24 12:58	1
Toluene	<0.00198	U	0.00198	mg/Kg		03/04/24 13:22	03/05/24 12:58	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		03/04/24 13:22	03/05/24 12:58	1
m-Xylene & p-Xylene	<0.00396	U	0.00396	mg/Kg		03/04/24 13:22	03/05/24 12:58	1
o-Xylene	<0.00198	U *+ *1	0.00198	mg/Kg		03/04/24 13:22	03/05/24 12:58	1
Xylenes, Total	<0.00396	U *+ *1	0.00396	mg/Kg		03/04/24 13:22	03/05/24 12:58	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130			03/04/24 13:22	03/05/24 12:58	1
1,4-Difluorobenzene (Surr)	102		70 - 130			03/04/24 13:22	03/05/24 12:58	1
Method: TAL SOP Total BTEX - 1 Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Analyte Total BTEX	Result <0.00396	Qualifier U	0.00396	Unit mg/Kg	<u> </u>	Prepared	Analyzed 03/05/24 12:58	Dil Fac
Analyte	el Range Organ	Qualifier U	0.00396		<u>D</u> 	Prepared		Dil Fac
Analyte Total BTEX Method: SW846 8015 NM - Diese	el Range Organ	Qualifier U ics (DRO) (Qualifier	0.00396	mg/Kg		<u>`</u>	03/05/24 12:58	1
Analyte Total BTEX Method: SW846 8015 NM - Diese Analyte	el Range Organ Result Solution Result Solution	Qualifier U ics (DRO) (Qualifier U	0.00396 GC) RL 50.0	mg/Kg Unit		<u>`</u>	03/05/24 12:58 Analyzed	1
Analyte Total BTEX Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese	el Range Organ Result Conception Result Conception Result Conception Result Conception Result Conception Result Conception Result	Qualifier U ics (DRO) (Qualifier U	0.00396 GC) RL 50.0	mg/Kg Unit		<u>`</u>	03/05/24 12:58 Analyzed	1
Analyte Total BTEX Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics	el Range Organ Result Conception Result Conception Result Conception Result Conception Result Conception Result Conception Result	Qualifier U ics (DRO) (Qualifier U nics (DRO) Qualifier	0.00396 GC) RL 50.0 (GC)	mg/Kg	<u>D</u>	Prepared	03/05/24 12:58 Analyzed 03/06/24 00:04	Dil Fac
Analyte Total BTEX Method: SW846 8015 NM - Diese Analyte Total TPH	el Range Organ Result <0.00396 el Range Organ 	Qualifier U ics (DRO) (Qualifier U nics (DRO) Qualifier U *1	0.00396 GC) RL 50.0 (GC) RL	mg/Kg Unit mg/Kg Unit	<u>D</u>	Prepared	03/05/24 12:58 Analyzed 03/06/24 00:04 Analyzed	Dil Fac

5

		Clien	t Sample Res	sults				
Client: Ensolum		Olich		Sults			Job ID: 890)-6288-1
Project/Site: PLU C-1 Recycle Fac	ility						SDG: 03C1	1558251
Client Sample ID: BH 07C						Lab San	nple ID: 890-	6288-4
Date Collected: 02/28/24 13:25 Date Received: 02/29/24 14:29							Matri	ix: Solid
Sample Depth: 3'								
_ Method: EPA 300.0 - Anions, Ior Analyte		hy - Solubl Qualifier	e RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride		Quaimer	5.04	0mt mg/Kg		Fiepareu	03/05/24 17:14	1
	01.4		0.01					
Client Sample ID: BH 07D						Lab Sar	nple ID: 890-	6288-5
Date Collected: 02/28/24 13:30							Matri	ix: Solid
Date Received: 02/29/24 14:29								
Sample Depth: 4'								
_ Method: SW846 8021B - Volatile	Organic Comp	ounds (GC)						
Analyte	· ·	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		03/04/24 13:22	03/05/24 13:18	1
Toluene	<0.00199	U	0.00199	mg/Kg		03/04/24 13:22	03/05/24 13:18	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		03/04/24 13:22	03/05/24 13:18	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		03/04/24 13:22	03/05/24 13:18	1
o-Xylene	<0.00199	U *+ *1	0.00199	mg/Kg		03/04/24 13:22	03/05/24 13:18	1
Xylenes, Total	<0.00398	U *+ *1	0.00398	mg/Kg		03/04/24 13:22	03/05/24 13:18	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130			03/04/24 13:22	03/05/24 13:18	1
1,4-Difluorobenzene (Surr)	102		70 - 130			03/04/24 13:22	03/05/24 13:18	1
Method: TAL SOP Total BTEX - Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398		0.00398	mg/Kg			03/05/24 13:18	1
	0.00000	0	0.00000	ing/rtg			00/00/21 10:10	
Method: SW846 8015 NM - Diese	el Range Organ	ics (DRO) (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7	mg/Kg			03/06/24 00:27	1
- Mathadi SW946 9015D NM Dia								
Method: SW846 8015B NM - Die Analyte		Qualifier	(GC) RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics			49.7			03/05/24 14:06	03/06/24 00:27	1
(GRO)-C6-C10								·
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7	mg/Kg		03/05/24 14:06	03/06/24 00:27	1

Limits Surrogate %Recovery Qualifier Prepared Analyzed Dil Fac 1-Chlorooctane 140 S1+ 70 - 130 03/05/24 14:06 03/06/24 00:27 1 o-Terphenyl 121 70 - 130 03/05/24 14:06 03/06/24 00:27 1 Method: EPA 300.0 - Anions, Ion Chromatography - Soluble Result Qualifier Analyte Unit Dil Fac RL D Prepared Analyzed 03/05/24 17:18 Chloride 57.0 4.96 mg/Kg 1

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

Job ID: 890-6288-1 SDG: 03C1558251

Client Sample ID: BH 08

Date Collected: 02/28/24 13:35 Date Received: 02/29/24 14:29

Sample Depth: 0.5'

Client: Ensolum

Lab Sample ID: 890-6288-6

Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		03/04/24 13:22	03/05/24 13:39	
Toluene	<0.00200	U	0.00200	mg/Kg		03/04/24 13:22	03/05/24 13:39	
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		03/04/24 13:22	03/05/24 13:39	
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		03/04/24 13:22	03/05/24 13:39	
o-Xylene	<0.00200	U *+ *1	0.00200	mg/Kg		03/04/24 13:22	03/05/24 13:39	
Xylenes, Total	<0.00399	U *+ *1	0.00399	mg/Kg		03/04/24 13:22	03/05/24 13:39	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	105		70 - 130			03/04/24 13:22	03/05/24 13:39	
1,4-Difluorobenzene (Surr)	102		70 - 130			03/04/24 13:22	03/05/24 13:39	
Method: TAL SOP Total BTEX - T	otal BTEX Calo	culation						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	< 0.00399	U	0.00399	mg/Kg			03/05/24 13:39	
			a a)					
Method: SW846 8015 NM - Diese Analyte		Qualifier	GC) RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH			49.9			Flepaleu	03/06/24 00:49	
	~49.9	0	49.9	mg/Kg			03/00/24 00.49	
Method: SW846 8015B NM - Dies	sel Range Orga	nics (DRO)	(GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Gasoline Range Organics	<49.9	U *1	49.9	mg/Kg		03/05/24 14:06	03/06/24 00:49	
(GRO)-C6-C10								
Diesel Range Organics (Over	<49.9	U	49.9	mg/Kg		03/05/24 14:06	03/06/24 00:49	
C10-C28)	<49.9		49.9	malka		03/05/24 14:06	03/06/24 00:49	
Oll Range Organics (Over C28-C36)	~49.9	0	49.9	mg/Kg		03/03/24 14:00	03/00/24 00.49	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
1-Chlorooctane	153	S1+	70 - 130			03/05/24 14:06	03/06/24 00:49	
o-Terphenyl	135	S1+	70 - 130			03/05/24 14:06	03/06/24 00:49	
Method: EPA 300.0 - Anions, Ion	Chromatograp	ohy - Solubl	e					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	50.9		4.97	mg/Kg			03/05/24 17:31	
lient Sample ID: BH 08A						Lab Sar	nple ID: 890-	6288-7
ate Collected: 02/28/24 13:40								x: Solic
ate Received: 02/29/24 14:29								
ample Depth: 1'								
Method: SW846 8021B - Volatile				11=:+	~	Bronorod	Analyzed	
Analyte Benzene		Qualifier	RL 0.00198	Unit ma/Ka	D	Prepared 03/04/24 13:22	Analyzed 03/05/24 14:00	Dil Fac
				mg/Kg				
Toluene	<0.00198		0.00198	mg/Kg		03/04/24 13:22	03/05/24 14:00	
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		03/04/24 13:22	03/05/24 14:00	

Client Sample Results

Job ID: 890-6288-1 SDG: 03C1558251

Matrix: Solid

5

Lab Sample ID: 890-6288-7

Client Sample ID: BH 08A

Date Collected: 02/28/24 13:40 Date Received: 02/29/24 14:29

Sample Depth: 1'

Client: Ensolum

Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	99		70 - 130			03/04/24 13:22	03/05/24 14:00	1
Method: TAL SOP Total BTEX - T	otal BTEX Cal	culation						
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397	mg/Kg			03/05/24 14:00	1
Method: SW846 8015 NM - Diese	l Range Organ	ics (DRO) (GC)					
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1	mg/Kg			03/06/24 01:11	1
Method: SW846 8015B NM - Dies	el Range Orga	nics (DRO)	(GC)					
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U *1	50.1	mg/Kg		03/05/24 14:06	03/06/24 01:11	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1	mg/Kg		03/05/24 14:06	03/06/24 01:11	1
Oll Range Organics (Over C28-C36)	<50.1	U	50.1	mg/Kg		03/05/24 14:06	03/06/24 01:11	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane			70 - 130			03/05/24 14:06	03/06/24 01:11	1
o-Terphenyl	99		70 - 130			03/05/24 14:06	03/06/24 01:11	1
Method: EPA 300.0 - Anions, Ion	Chromatogram	hv - Solubl	e					
Analyte	• •	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	47.8		4.97	mg/Kg			03/05/24 17:36	1
lient Sample ID: BH 08B						l ah San	nple ID: 890-	6288-8

Sample Depth: 2'

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		03/04/24 13:22	03/05/24 14:21	1
Toluene	<0.00201	U	0.00201	mg/Kg		03/04/24 13:22	03/05/24 14:21	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		03/04/24 13:22	03/05/24 14:21	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	mg/Kg		03/04/24 13:22	03/05/24 14:21	1
o-Xylene	<0.00201	U *+ *1	0.00201	mg/Kg		03/04/24 13:22	03/05/24 14:21	1
Xylenes, Total	<0.00402	U *+ *1	0.00402	mg/Kg		03/04/24 13:22	03/05/24 14:21	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130			03/04/24 13:22	03/05/24 14:21	1
1,4-Difluorobenzene (Surr)	101		70 - 130			03/04/24 13:22	03/05/24 14:21	1
Method: TAL SOP Total BTEX	- Total BTEX Cald	ulation						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			03/05/24 14:21	1
Method: SW846 8015 NM - Die	esel Range Organ	ics (DRO) (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
			50.4					

Job ID: 890-6288-1 SDG: 03C1558251

Client Sample ID: BH 08B

Date Collected: 02/28/24 13:45 Date Received: 02/29/24 14:29

Date ite			
Sample	Depth:	2'	

Client: Ensolum

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.4	U *1	50.4	mg/Kg		03/05/24 14:06	03/06/24 01:34	1
Diesel Range Organics (Over C10-C28)	<50.4	U	50.4	mg/Kg		03/05/24 14:06	03/06/24 01:34	1
Oll Range Organics (Over C28-C36)	<50.4	U	50.4	mg/Kg		03/05/24 14:06	03/06/24 01:34	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	124		70 - 130			03/05/24 14:06	03/06/24 01:34	1
o-Terphenyl	114		70 - 130			03/05/24 14:06	03/06/24 01:34	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	60.7	4.99	mg/Kg			03/05/24 17:40	1

Client Sample ID: BH 08C

Date Collected: 02/28/24 13:50

Date Received: 02/29/24 14:29 Sample Depth: 3'

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		03/04/24 13:22	03/05/24 14:41	1
Toluene	<0.00200	U	0.00200	mg/Kg		03/04/24 13:22	03/05/24 14:41	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		03/04/24 13:22	03/05/24 14:41	1
m-Xylene & p-Xylene	<0.00401	U	0.00401	mg/Kg		03/04/24 13:22	03/05/24 14:41	1
o-Xylene	<0.00200	U *+ *1	0.00200	mg/Kg		03/04/24 13:22	03/05/24 14:41	1
Xylenes, Total	<0.00401	U *+ *1	0.00401	mg/Kg		03/04/24 13:22	03/05/24 14:41	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130			03/04/24 13:22	03/05/24 14:41	1
1,4-Difluorobenzene (Surr)	100		70 - 130			03/04/24 13:22	03/05/24 14:41	1

Welliou. TAL SOF TOtal DILA - Tota	al DILA Cal	Julation						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401	mg/Kg			03/05/24 14:41	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3	mg/Kg			03/06/24 01:56	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.3	U *1	50.3	mg/Kg		03/05/24 14:06	03/06/24 01:56	1
(GRO)-C6-C10								
Diesel Range Organics (Over	<50.3	U	50.3	mg/Kg		03/05/24 14:06	03/06/24 01:56	1
C10-C28)								
Oll Range Organics (Over C28-C36)	<50.3	U	50.3	mg/Kg		03/05/24 14:06	03/06/24 01:56	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	121		70 - 130			03/05/24 14:06	03/06/24 01:56	1
o-Terphenyl	109		70 - 130			03/05/24 14:06	03/06/24 01:56	1

Lab Sample ID: 890-6288-8 Matrix: Solid 3 4 4 5 5 3/05/24 14:06 03/06/24 01:34 1

Lab Sample ID: 890-6288-9

Matrix: Solid

Released to Imaging: 6/7/2024 11:34:08 AM

		Clien	t Sample Re	sults				
Client: Ensolum			-				Job ID: 890)-6288-
Project/Site: PLU C-1 Recycle Facil	ity						SDG: 03C	155825
Client Sample ID: BH 08C						Lab Sar	nple ID: 890-	6288-
Date Collected: 02/28/24 13:50								ix: Soli
Date Received: 02/29/24 14:29								
Sample Depth: 3'								
	a							
Method: EPA 300.0 - Anions, Ion Analyte		Qualifier	e RL	Unit	D	Prepared	Analyzed	Dil Fa
Chloride	53.3		5.02	mg/Kg			03/05/24 17:45	
- Client Sample ID: BH 09D						Lah Sam	nlo ID: 900 6	200 1
Client Sample ID: BH 08D						Lap Sam	ple ID: 890-6	
Date Collected: 02/28/24 13:55 Date Received: 02/29/24 14:29							Matr	ix: Soli
Sample Depth: 4'								
-								
Method: SW846 8021B - Volatile								
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0.00199	U	0.00199	mg/Kg		03/04/24 13:22	03/05/24 15:02	
Toluene	<0.00199		0.00199	mg/Kg		03/04/24 13:22	03/05/24 15:02	
Ethylbenzene	<0.00199		0.00199	mg/Kg		03/04/24 13:22	03/05/24 15:02	
m-Xylene & p-Xylene	<0.00398		0.00398	mg/Kg		03/04/24 13:22	03/05/24 15:02	
o-Xylene	<0.00199		0.00199	mg/Kg		03/04/24 13:22	03/05/24 15:02	
Xylenes, Total	<0.00398	U *+ *1	0.00398	mg/Kg		03/04/24 13:22	03/05/24 15:02	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	107		70 - 130			03/04/24 13:22	03/05/24 15:02	
1,4-Difluorobenzene (Surr) -	101		70 - 130			03/04/24 13:22	03/05/24 15:02	
- Method: TAL SOP Total BTEX - T	otal BTEX Cal	culation						
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Total BTEX	<0.00398	U	0.00398	mg/Kg		·	03/05/24 15:02	
-								
Method: SW846 8015 NM - Diese				11-34	-	Durante	A see do see al	D 11 E
Analyte Total TPH	Kesuit <50.3	Qualifier	RL	<u>Unit</u>	D	Prepared	Analyzed	Dil Fa
	<50.5	0	50.5	mg/Kg			03/06/24 02:18	
Method: SW846 8015B NM - Dies	el Range Orga	nics (DRO)	(GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil F
Gasoline Range Organics	<50.3	U *1	50.3	mg/Kg		03/05/24 14:06	03/06/24 02:18	
(GRO)-C6-C10								
Diesel Range Organics (Over	<50.3	U	50.3	mg/Kg		03/05/24 14:06	03/06/24 02:18	
C10-C28) Oll Range Organics (Over C28-C36)	<50.3	U	50.3	mg/Kg		03/05/24 14:06	03/06/24 02:18	
,				0.0				
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil F
1-Chlorooctane	116		70 - 130			03/05/24 14:06	03/06/24 02:18	
o-Terphenyl	103		70 - 130			03/05/24 14:06	03/06/24 02:18	
Method: EPA 300.0 - Anions, Ion	Chromatogram	ohy - Solubl	e					
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil F
Obtendels			<u> </u>	malka			02/05/24 17:40	

03/05/24 17:49

Chloride

5.03

mg/Kg

55.2

1

Job ID: 890-6288-1 SDG: 03C1558251

Matrix: Solid

5

Lab Sample ID: 890-6288-11

Client Sample ID: BH 10

Date Collected: 02/28/24 14:00 Date Received: 02/29/24 14:29

Client: Ensolum

Method: SW846 8021B - Volatile	Organic Comp	ounds (GC)	1					
Analyte	· ·	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0.00198	U	0.00198	mg/Kg		03/04/24 13:22	03/05/24 16:27	
Toluene	<0.00198	U	0.00198	mg/Kg		03/04/24 13:22	03/05/24 16:27	
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		03/04/24 13:22	03/05/24 16:27	
m-Xylene & p-Xylene	<0.00396	U	0.00396	mg/Kg		03/04/24 13:22	03/05/24 16:27	
o-Xylene	<0.00198	U *+ *1	0.00198	mg/Kg		03/04/24 13:22	03/05/24 16:27	
Xylenes, Total	<0.00396	U *+ *1	0.00396	mg/Kg		03/04/24 13:22	03/05/24 16:27	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	100		70 - 130			03/04/24 13:22	03/05/24 16:27	
1,4-Difluorobenzene (Surr)	102		70 - 130			03/04/24 13:22	03/05/24 16:27	
Method: TAL SOP Total BTEX -	Total BTEX Calo	culation						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Total BTEX	<0.00396	U	0.00396	mg/Kg			03/05/24 16:27	
Method: SW846 8015 NM - Dies	el Range Organ	ics (DRO) (GC)					
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Analyte Total TPH	Result <50.2	Qualifier U	RL 50.2	Unit mg/Kg	<u>D</u>	Prepared	Analyzed 03/06/24 03:03	Dil Fa
Analyte Total TPH Method: SW846 8015B NM - Die Analyte	Result <50.2 esel Range Orga Result	Qualifier U nics (DRO) Qualifier	(GC) RL	mg/Kg Unit	D	Prepared	03/06/24 03:03 Analyzed	
Analyte Total TPH Method: SW846 8015B NM - Die	Result <50.2	Qualifier U nics (DRO) Qualifier	(GC)	mg/Kg			03/06/24 03:03	
Analyte Total TPH Method: SW846 8015B NM - Die Analyte Gasoline Range Organics	Result <50.2 esel Range Orga Result	Qualifier U nics (DRO) Qualifier U *1	(GC) RL	mg/Kg Unit		Prepared	03/06/24 03:03 Analyzed	
Analyte Total TPH Method: SW846 8015B NM - Die Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result <50.2 esel Range Orga Result <50.2	Qualifier U nics (DRO) Qualifier U *1 U	RL 50.2 (GC) RL 50.2	mg/Kg Unit mg/Kg		Prepared 03/05/24 14:06	03/06/24 03:03 Analyzed 03/06/24 03:03	
Analyte Total TPH Method: SW846 8015B NM - Die Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result <50.2 esel Range Orga Result <50.2 <50.2	Qualifier U nics (DRO) Qualifier U *1 U	RL 50.2 (GC) RL 50.2 50.2	mg/Kg Unit mg/Kg mg/Kg		Prepared 03/05/24 14:06 03/05/24 14:06	03/06/24 03:03 Analyzed 03/06/24 03:03 03/06/24 03:03	Dil Fa
Analyte Total TPH Method: SW846 8015B NM - Die Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	Result <50.2	Qualifier U nics (DRO) Qualifier U *1 U	RL 50.2 (GC) RL 50.2 50.2 50.2 50.2	mg/Kg Unit mg/Kg mg/Kg		Prepared 03/05/24 14:06 03/05/24 14:06 03/05/24 14:06	03/06/24 03:03 Analyzed 03/06/24 03:03 03/06/24 03:03 03/06/24 03:03	Dil Fi
Analyte Total TPH Method: SW846 8015B NM - Die Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate	Result <50.2	Qualifier U nics (DRO) Qualifier U *1 U	RL 50.2 (GC) RL 50.2 50.2 50.2 50.2 Limits	mg/Kg Unit mg/Kg mg/Kg		Prepared 03/05/24 14:06 03/05/24 14:06 03/05/24 14:06 Prepared	03/06/24 03:03 Analyzed 03/06/24 03:03 03/06/24 03:03 03/06/24 03:03 03/06/24 03:03 Analyzed	Dil Fi
Analyte Total TPH Method: SW846 8015B NM - Die Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorooctane	Result <50.2	Qualifier U nics (DRO) Qualifier U *1 U U Qualifier	RL 50.2 (GC) RL 50.2 50.2 50.2 50.2 50.2 50.2 70.130 70.130 70.130	mg/Kg Unit mg/Kg mg/Kg		Prepared 03/05/24 14:06 03/05/24 14:06 03/05/24 14:06 Prepared 03/05/24 14:06	03/06/24 03:03 Analyzed 03/06/24 03:03 03/06/24 03:03 03/06/24 03:03 Analyzed 03/06/24 03:03	Dil Fi
Analyte Total TPH Method: SW846 8015B NM - Die Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorooctane p-Terphenyl	Result <50.2	Qualifier U nics (DRO) Qualifier U *1 U U Qualifier	RL 50.2 (GC) RL 50.2 50.2 50.2 50.2 50.2 50.2 70.130 70.130 70.130	mg/Kg Unit mg/Kg mg/Kg		Prepared 03/05/24 14:06 03/05/24 14:06 03/05/24 14:06 Prepared 03/05/24 14:06	03/06/24 03:03 Analyzed 03/06/24 03:03 03/06/24 03:03 03/06/24 03:03 Analyzed 03/06/24 03:03	Dil Fa Dil Fa Dil Fa
Analyte Total TPH Method: SW846 8015B NM - Die Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl Method: EPA 300.0 - Anions, Ion	Result <50.2	Qualifier U Qualifier U *1 U Qualifier	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	D	Prepared 03/05/24 14:06 03/05/24 14:06 03/05/24 14:06 Prepared 03/05/24 14:06 03/05/24 14:06	03/06/24 03:03 Analyzed 03/06/24 03:03 03/06/24 03:03 03/06/24 03:03 Analyzed 03/06/24 03:03 03/06/24 03:03	Dil Fa
Analyte Total TPH Method: SW846 8015B NM - Die Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl Method: EPA 300.0 - Anions, Ion Analyte	Result <50.2	Qualifier U Qualifier U *1 U Qualifier	RL 50.2 RL 50.2 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	D	Prepared 03/05/24 14:06 03/05/24 14:06 03/05/24 14:06 <i>Prepared</i> 03/05/24 14:06 03/05/24 14:06 Prepared	03/06/24 03:03 Analyzed 03/06/24 03:03 03/06/24 03:03 03/06/24 03:03 Analyzed 03/06/24 03:03 03/06/24 03:03 03/06/24 03:03	Dil Fa Dil Fa
Analyte Total TPH Method: SW846 8015B NM - Die 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 Chloride	Result <50.2	Qualifier U Qualifier U *1 U Qualifier	RL 50.2 RL 50.2 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	D	Prepared 03/05/24 14:06 03/05/24 14:06 03/05/24 14:06 <i>Prepared</i> 03/05/24 14:06 03/05/24 14:06 Prepared	03/06/24 03:03 Analyzed 03/06/24 03:03 03/06/24 03:03 03/06/24 03:03 Analyzed 03/06/24 03:03 03/06/24 03:03 Analyzed 03/05/24 17:54 ple ID: 890-6	Dil F Dil F Dil F 288-1
Analyte Total TPH Method: SW846 8015B NM - Die Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl Method: EPA 300.0 - Anions, Ion Analyte Chloride lient Sample ID: BH 10A	Result <50.2	Qualifier U Qualifier U *1 U Qualifier	RL 50.2 RL 50.2 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	D	Prepared 03/05/24 14:06 03/05/24 14:06 03/05/24 14:06 <i>Prepared</i> 03/05/24 14:06 03/05/24 14:06 Prepared	03/06/24 03:03 Analyzed 03/06/24 03:03 03/06/24 03:03 03/06/24 03:03 Analyzed 03/06/24 03:03 03/06/24 03:03 Analyzed 03/05/24 17:54 ple ID: 890-6	Dil Fa Dil Fa

Method. 00040 0021D - Volati	ne organic oomp		/					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		03/04/24 13:22	03/05/24 16:47	1
Toluene	<0.00201	U	0.00201	mg/Kg		03/04/24 13:22	03/05/24 16:47	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		03/04/24 13:22	03/05/24 16:47	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	mg/Kg		03/04/24 13:22	03/05/24 16:47	1
o-Xylene	<0.00201	U *+ *1	0.00201	mg/Kg		03/04/24 13:22	03/05/24 16:47	1
Xylenes, Total	<0.00402	U *+ *1	0.00402	mg/Kg		03/04/24 13:22	03/05/24 16:47	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130			03/04/24 13:22	03/05/24 16:47	1

Client Sample Results

Job ID: 890-6288-1 SDG: 03C1558251

Lab Sample ID: 890-6288-12

Client Sample ID: BH 10A

Date Collected: 02/28/24 14:05 Date Received: 02/29/24 14:29

Sample Depth: 1'

Client: Ensolum

Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed
1,4-Difluorobenzene (Surr)	104		70 - 130			03/04/24 13:22	03/05/24 16:47
Method: TAL SOP Total BTEX - T	otal BTEX Calo	ulation					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed
Total BTEX	<0.00402	U	0.00402	mg/Kg			03/05/24 16:47
Method: SW846 8015 NM - Diese	l Range Organ	ics (DRO) (GC)				
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed
Total TPH	<49.9	U	49.9	mg/Kg			03/06/24 03:25
Method: SW846 8015B NM - Dies	sel Range Orga	nics (DRO)	(GC)				
		nics (DRO) Qualifier	(GC) RL	Unit	D	Prepared	Analyzed
Analyte		Qualifier		<mark>Unit</mark> mg/Kg	<u>D</u>	Prepared 03/05/24 14:06	Analyzed
Analyte Gasoline Range Organics	Result	Qualifier	RL		D	<u> </u>	
Analyte Gasoline Range Organics (GRO)-C6-C10	Result	Qualifier U *1	RL		<u>D</u>	<u> </u>	
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result <49.9	Qualifier U *1	RL 49.9	mg/Kg	<u>D</u>	03/05/24 14:06	03/06/24 03:25
Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	Result <49.9	Qualifier U *1 U	RL 49.9	mg/Kg	<u>D</u>	03/05/24 14:06	03/06/24 03:25
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result <49.9 <49.9	Qualifier U *1 U	RL 49.9 49.9	mg/Kg	<u>D</u>	03/05/24 14:06 03/05/24 14:06	03/06/24 03:25
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	Result <49.9 <49.9 <49.9	Qualifier U *1 U	RL 49.9 49.9 49.9	mg/Kg	<u>D</u>	03/05/24 14:06 03/05/24 14:06 03/05/24 14:06	03/06/24 03:25 03/06/24 03:25 03/06/24 03:25

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	51.2		5.02	mg/Kg			03/05/24 18:07	1

Client Sample ID: BH 10B

Date Collected: 02/28/24 14:10 Date Received: 02/29/24 14:29 Sample Depth: 2'

Lab Sample ID: 890-6288-13

Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	mg/Kg		03/04/24 13:22	03/05/24 17:08	1
Toluene	<0.00202	U	0.00202	mg/Kg		03/04/24 13:22	03/05/24 17:08	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		03/04/24 13:22	03/05/24 17:08	1
m-Xylene & p-Xylene	<0.00404	U	0.00404	mg/Kg		03/04/24 13:22	03/05/24 17:08	1
o-Xylene	<0.00202	U *+ *1	0.00202	mg/Kg		03/04/24 13:22	03/05/24 17:08	1
Xylenes, Total	<0.00404	U *+ *1	0.00404	mg/Kg		03/04/24 13:22	03/05/24 17:08	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130			03/04/24 13:22	03/05/24 17:08	1
1,4-Difluorobenzene (Surr)	101		70 - 130			03/04/24 13:22	03/05/24 17:08	1
Method: TAL SOP Total BTEX	- Total BTEX Cald	culation						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404	mg/Kg			03/05/24 17:08	1
Method: SW846 8015 NM - Die	esel Range Organ	ics (DRO) (GC)					
• • •	Posult	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Analyte	Result	Quanner	112	onit		riepaieu	Analyzea	Diriac

Eurofins Carlsbad

Matrix: Solid

Dil Fac

Dil Fac

Dil Fac

Dil Fac

Dil Fac

1

1

1

1

1

1

1

5

Released to Imaging: 6/7/2024 11:34:08 AM

Job ID: 890-6288-1 SDG: 03C1558251

Client Sample ID: BH 10B

Date Collected: 02/28/24 14:10 Date Received: 02/29/24 14:29

				1
Same	ole De	epth:	2'	

Client: Ensolum

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U *1	49.7	mg/Kg		03/05/24 14:06	03/06/24 03:47	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7	mg/Kg		03/05/24 14:06	03/06/24 03:47	1
Oll Range Organics (Over C28-C36)	<49.7	U	49.7	mg/Kg		03/05/24 14:06	03/06/24 03:47	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130			03/05/24 14:06	03/06/24 03:47	1
o-Terphenyl	87		70 - 130			03/05/24 14:06	03/06/24 03:47	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	51.0	5.03	mg/Kg			03/05/24 18:11	1

Client Sample ID: BH 10C

Date Collected: 02/28/24 14:15

Date Received: 02/29/24 14:29

Sample Depth: 3'

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		03/04/24 13:22	03/05/24 17:29	1
Toluene	<0.00200	U	0.00200	mg/Kg		03/04/24 13:22	03/05/24 17:29	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		03/04/24 13:22	03/05/24 17:29	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		03/04/24 13:22	03/05/24 17:29	1
o-Xylene	<0.00200	U *+ *1	0.00200	mg/Kg		03/04/24 13:22	03/05/24 17:29	1
Xylenes, Total	<0.00399	U *+ *1	0.00399	mg/Kg		03/04/24 13:22	03/05/24 17:29	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130			03/04/24 13:22	03/05/24 17:29	1
1,4-Difluorobenzene (Surr)	102		70 - 130			03/04/24 13:22	03/05/24 17:29	1
Method: TAL SOP Total BTEX	- Total BTEX Cald	culation						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			03/05/24 17:29	1
Method: SW846 8015 NM - Die	esel Range Organ	ics (DRO) (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7	mg/Kg			03/06/24 04:08	1
Method: SW846 8015B NM - D	iesel Range Orga	nics (DRO)	(GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac

Analyte	Result	Quaimer	RL	Unit	U	Prepared	Analyzed	DirFac
Gasoline Range Organics	<49.7	U *1	49.7	mg/Kg		03/05/24 14:06	03/06/24 04:08	1
(GRO)-C6-C10								
Diesel Range Organics (Over	<49.7	U	49.7	mg/Kg		03/05/24 14:06	03/06/24 04:08	1
C10-C28)								
Oll Range Organics (Over C28-C36)	<49.7	U	49.7	mg/Kg		03/05/24 14:06	03/06/24 04:08	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	113		70 - 130			03/05/24 14:06	03/06/24 04:08	1
o-Terphenyl	105		70 - 130			03/05/24 14:06	03/06/24 04:08	1
		Clien	t Sample Re	sults				
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Client: Ensolum							Job ID: 890)-6288-
Project/Site: PLU C-1 Recycle Facili	ty						SDG: 03C1	155825
Client Sample ID: BH 10C Date Collected: 02/28/24 14:15 Date Received: 02/29/24 14:29						Lab Sam	ple ID: 890-6 Matri	288-14 ix: Solic
Sample Depth: 3'								
Method: EPA 300.0 - Anions, Ion Analyte		hy - Soluble Qualifier	e RL	Unit	D	Prepared	Analyzed	Dil Fa
Chloride	227		5.05	mg/Kg			03/05/24 18:25	
Client Sample ID: BH 10D						l ah Sam	ple ID: 890-6	288-1/
Date Collected: 02/28/24 14:20 Date Received: 02/29/24 14:29 Sample Depth: 4'							-	ix: Solid
_ Method: SW846 8021B - Volatile (Organic Comp	ounds (GC)	l.					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0.00198	U	0.00198	mg/Kg		03/04/24 13:22	03/05/24 17:49	
Toluene	<0.00198	U	0.00198	mg/Kg		03/04/24 13:22	03/05/24 17:49	
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		03/04/24 13:22	03/05/24 17:49	
m-Xylene & p-Xylene	< 0.00397	U	0.00397	mg/Kg		03/04/24 13:22	03/05/24 17:49	
o-Xylene	<0.00198	U *+ *1	0.00198	mg/Kg		03/04/24 13:22	03/05/24 17:49	
Xylenes, Total	<0.00397	U *+ *1	0.00397	mg/Kg		03/04/24 13:22	03/05/24 17:49	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	102		70 - 130			03/04/24 13:22	03/05/24 17:49	
1,4-Difluorobenzene (Surr)	102		70 - 130			03/04/24 13:22	03/05/24 17:49	
_ Method: TAL SOP Total BTEX - To	otal BTEX Cale	culation						
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Total BTEX	<0.00397	U	0.00397	mg/Kg			03/05/24 17:49	
 Method: SW846 8015 NM - Diesel	Panga Organ		20)					
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Total TPH	<50.0	U	50.0	mg/Kg			03/06/24 04:31	
_ Method: SW846 8015B NM - Dies	el Range Orga	nics (DRO)	(GC)					
Analyte	• •	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Gasoline Range Organics	<50.0		50.0			03/05/24 14:06	03/06/24 04:31	
(GRO)-C6-C10				.33				
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		03/05/24 14:06	03/06/24 04:31	
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		03/05/24 14:06	03/06/24 04:31	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
1-Chlorooctane	·	S1+	70 - 130			03/05/24 14:06	03/06/24 04:31	
		S1+	70 - 130			03/05/24 14:06	03/06/24 04:31	

Method: EPA 300.0 - Anions, Ion C	hromatograp	hy - Soluble	e					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	194		4.99	mg/Kg			03/07/24 13:22	1

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Job ID: 890-6288-1 SDG: 03C1558251

Client Sample ID: BH 09

Date Collected: 02/28/24 14:25 Date Received: 02/29/24 14:29

Sample Depth: 0.5'

Client: Ensolum

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	< 0.00199	U	0.00199	mg/Kg		03/04/24 13:22	03/05/24 18:10	1
Toluene	<0.00199	U	0.00199	mg/Kg		03/04/24 13:22	03/05/24 18:10	1
thylbenzene	<0.00199	U	0.00199	mg/Kg		03/04/24 13:22	03/05/24 18:10	1
n-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		03/04/24 13:22	03/05/24 18:10	1
-Xylene	<0.00199	U *+ *1	0.00199	mg/Kg		03/04/24 13:22	03/05/24 18:10	1
ylenes, Total	<0.00398	U *+ *1	0.00398	mg/Kg		03/04/24 13:22	03/05/24 18:10	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
-Bromofluorobenzene (Surr)	109		70 - 130			03/04/24 13:22	03/05/24 18:10	1
,4-Difluorobenzene (Surr)	105		70 - 130			03/04/24 13:22	03/05/24 18:10	1
Method: TAL SOP Total BTEX	- Total BTEX Calo	ulation						
		Culation Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Analyte		Qualifier	RL 0.00398	Unit mg/Kg	<u>D</u>	Prepared	Analyzed 03/05/24 18:10	Dil Fac
Analyte Total BTEX	Result <0.00398	Qualifier U	0.00398		D	Prepared		Dil Fac
Analyte Fotal BTEX Method: SW846 8015 NM - Die	Result <0.00398 esel Range Organ	Qualifier U	0.00398		<u>D</u> 	Prepared		Dil Fac 1 Dil Fac
Analyte Fotal BTEX Method: SW846 8015 NM - Die Analyte	Result <0.00398 esel Range Organ	Qualifier U ics (DRO) (Qualifier	0.00398	mg/Kg		<u> </u>	03/05/24 18:10	1
Analyte Total BTEX Method: SW846 8015 NM - Die Analyte Total TPH	Result <0.00398 esel Range Organ Result <49.9	Qualifier U ics (DRO) (0 Qualifier U	0.00398 GC) RL 49.9	mg/Kg Unit		<u> </u>	03/05/24 18:10 Analyzed	1
Analyte Total BTEX Method: SW846 8015 NM - Die Analyte Total TPH Method: SW846 8015B NM - D	Result <0.00398 esel Range Organ Result <49.9 iesel Range Orga	Qualifier U ics (DRO) (0 Qualifier U	0.00398 GC) RL 49.9	mg/Kg Unit		<u> </u>	03/05/24 18:10 Analyzed	1
Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die Analyte Total TPH Method: SW846 8015B NM - D Analyte Gasoline Range Organics	Result <0.00398 esel Range Organ Result <49.9 iesel Range Orga	Qualifier U ics (DRO) (0 Qualifier U nics (DRO) Qualifier	0.00398 GC) <u>RL</u> 49.9 (GC)	mg/Kg Unit mg/Kg	D	Prepared	03/05/24 18:10 Analyzed 03/06/24 04:54	1 Dil Fac

49.9

49 9

RL

5.05

Limits

70 - 130

70 - 130

mg/Kg

mg/Kg

Unit

mg/Kg

03/05/24 14:06

03/05/24 14:06

Prepared

03/05/24 14:06

03/05/24 14:06

Prepared

D

03/06/24 04:54

03/06/24 04:54

Analyzed

03/06/24 04:54

03/06/24 04:54

Analyzed

03/07/24 13:45

Lab Sample ID: 890-6288-17

<49.9 U

<49.9 U

%Recovery Qualifier

131 S1+

Result Qualifier

S1+

147

82.4

Analyte	
Chloride	
Client Sample ID: BH 09A	
Data Callestade 00/00/04 44:00	

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Date Collected: 02/28/24 14:30 Date Received: 02/29/24 14:29 Sample Depth: 1'

Diesel Range Organics (Over

Oll Range Organics (Over C28-C36)

C10-C28)

Surrogate

o-Terphenyl

1-Chlorooctane

Method: SW846 8021B - Volatile Organic Compounds (GC) Result Qualifier Dil Fac Analyte RL Unit D Prepared Analyzed Benzene <0.00198 U 0.00198 mg/Kg 03/04/24 13:22 03/05/24 18:31 Toluene <0.00198 U 0.00198 mg/Kg 03/04/24 13:22 03/05/24 18:31 Ethylbenzene <0.00198 U 0.00198 mg/Kg 03/04/24 13:22 03/05/24 18:31 mg/Kg 03/04/24 13:22 m-Xylene & p-Xylene <0.00396 U 0.00396 03/05/24 18:31 o-Xylene 0.00198 03/04/24 13:22 <0.00198 U*+*1 mg/Kg 03/05/24 18:31 <0.00396 U*+*1 0.00396 03/04/24 13:22 Xylenes, Total mg/Kg 03/05/24 18:31 Limits Surrogate %Recovery Qualifier Prepared Analyzed Dil Fac 4-Bromofluorobenzene (Surr) 70 - 130 03/04/24 13:22 03/05/24 18:31 106

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Lab Sample ID: 890-6288-16 Matrix: Solid

5

1

1

1

1

1

1

1

1

1

1

1

Dil Fac

Dil Fac

Matrix: Solid

Client Sample Results

Job ID: 890-6288-1 SDG: 03C1558251

Matrix: Solid

Dil Fac

Dil Fac

Dil Fac

1

5

Lab Sample ID: 890-6288-17

Analyzed

03/05/24 18:31

Analyzed

03/05/24 18:31

Analyzed

03/06/24 05:15

Lab Sample ID: 890-6288-18

Matrix: Solid

Client Sample ID: BH 09A

Date Collected: 02/28/24 14:30 Date Received: 02/29/24 14:29

Sample Depth: 1'

Client: Ensolum

Surrogate	%Recovery	Qualifier	Limits			Prepared
1,4-Difluorobenzene (Surr)	102		70 - 130			03/04/24 13:2
Method: TAL SOP Total BTE	C - Total BTEX Calo	culation				
Analyte	Result	Qualifier	RL	Unit	D	Prepared
Total BTEX	<0.00396	U	0.00396	mg/Kg		
- Method: SW846 8015 NM - D	iesel Range Organ	ics (DRO) (GC)			
Analyte	Result	Qualifier	RL	Unit	D	Prepared
Total TPH	<50.1		50.1	mg/Kg		

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.1	U *1	50.1	mg/Kg		03/05/24 14:06	03/06/24 05:15	1
(GRO)-C6-C10								
Diesel Range Organics (Over	<50.1	U	50.1	mg/Kg		03/05/24 14:06	03/06/24 05:15	1
C10-C28)								
Oll Range Organics (Over C28-C36)	<50.1	U	50.1	mg/Kg		03/05/24 14:06	03/06/24 05:15	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	132	S1+	70 - 130			03/05/24 14:06	03/06/24 05:15	1
o-Terphenyl	121		70 - 130			03/05/24 14:06	03/06/24 05:15	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	82.2		5.03	mg/Kg			03/07/24 13:53	1

Client Sample ID: BH 09B

Date Collected: 02/28/24 14:35 Date Received: 02/29/24 14:29 Sample Depth: 2'

Method: SW846 8021B - Volatile Organic Compounds (GC) RL Analyte Result Qualifier Unit D Prepared Analyzed Dil Fac Benzene <0.00201 U 0.00201 mg/Kg 03/04/24 13:22 03/05/24 18:51 Toluene <0.00201 U 0.00201 03/04/24 13:22 03/05/24 18:51 mg/Kg 1 Ethylbenzene <0.00201 U 0.00201 mg/Kg 03/04/24 13:22 03/05/24 18:51 03/04/24 13:22 m-Xylene & p-Xylene <0.00402 U 0.00402 03/05/24 18:51 mg/Kg 1 o-Xylene <0.00201 U*+*1 0.00201 mg/Kg 03/04/24 13:22 03/05/24 18:51 1 Xylenes, Total <0.00402 U*+*1 0.00402 mg/Kg 03/04/24 13:22 03/05/24 18:51 1 Surrogate %Recovery Qualifier Limits Dil Fac Prepared Analvzed 70 - 130 03/04/24 13:22 4-Bromofluorobenzene (Surr) 107 03/05/24 18:51 1 1,4-Difluorobenzene (Surr) 103 70 - 130 03/04/24 13:22 03/05/24 18:51 1 Method: TAL SOP Total BTEX - Total BTEX Calculation Analyte Result Qualifier RL D Unit Prepared Analvzed Dil Fac Total BTEX <0.00402 U 0.00402 03/05/24 18:51 mg/Kg 1 Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

method. Swoto ou is itm - Dieser it	ange organics (Divo) (Ov	,					
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3 U	50.3	mg/Kg			03/06/24 05:36	1

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Job ID: 890-6288-1 SDG: 03C1558251

Lab Sample ID: 890-6288-18

Lab Sample ID: 890-6288-19

Matrix: Solid

Client Sample ID: BH 09B

Date Collected: 02/28/24 14:35 Date Received: 02/29/24 14:29

Sample Depth: 2'

Client: Ensolum

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.3	U *1	50.3	mg/Kg		03/05/24 14:06	03/06/24 05:36	
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3	mg/Kg		03/05/24 14:06	03/06/24 05:36	
Oll Range Organics (Over C28-C36)	<50.3	U	50.3	mg/Kg		03/05/24 14:06	03/06/24 05:36	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	71		70 - 130			03/05/24 14:06	03/06/24 05:36	1
o-Terphenyl	66	S1-	70 - 130			03/05/24 14:06	03/06/24 05:36	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	63.9	5.02	mg/Kg			03/07/24 14:01	1

Client Sample ID: BH 09C

Date Collected: 02/28/24 14:40

Date Received: 02/29/24 14:29

Sample Depth: 3'

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		03/04/24 13:22	03/05/24 19:12	1
Toluene	<0.00200	U	0.00200	mg/Kg		03/04/24 13:22	03/05/24 19:12	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		03/04/24 13:22	03/05/24 19:12	1
m-Xylene & p-Xylene	<0.00401	U	0.00401	mg/Kg		03/04/24 13:22	03/05/24 19:12	1
o-Xylene	<0.00200	U *+ *1	0.00200	mg/Kg		03/04/24 13:22	03/05/24 19:12	1
Xylenes, Total	<0.00401	U *+ *1	0.00401	mg/Kg		03/04/24 13:22	03/05/24 19:12	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130			03/04/24 13:22	03/05/24 19:12	1
1,4-Difluorobenzene (Surr)	102		70 - 130			03/04/24 13:22	03/05/24 19:12	1
Method: TAL SOP Total BTEX -	Total BTEX Calo	culation						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401	mg/Kg			03/05/24 19:12	1
Method: SW846 8015 NM - Diese	el Range Organ	ics (DRO) (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3	mg/Kg			03/06/24 05:57	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	<50.3	U *1	50.3	mg/Kg		03/05/24 14:06	03/06/24 05:57	1
Diesel Range Organics (Over	<50.3	U	50.3	mg/Kg		03/05/24 14:06	03/06/24 05:57	1
C10-C28)				0.0				
Oll Range Organics (Over C28-C36)	<50.3	U	50.3	mg/Kg		03/05/24 14:06	03/06/24 05:57	1
Surrogate	%Recovery	0 115	Limits			Prepared	Analyzed	Dil Fac

Matrix: Solid

		Clier	nt Sample Res	sults				
Client: Ensolum							Job ID: 890	
Project/Site: PLU C-1 Recycle Facili	ty						SDG: 03C1	558251
Client Sample ID: BH 09C						Lab Sam	ple ID: 890-6	288-19
Date Collected: 02/28/24 14:40							Matri	x: Solid
Date Received: 02/29/24 14:29								
Sample Depth: 3'								
_ Method: EPA 300.0 - Anions, Ion (Chromatogran	hv - Solub	le					
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	64.5		4.98	mg/Kg			03/07/24 14:09	1
Client Sample ID: BH 09D						Lab Sam	ple ID: 890-6	288-20
Date Collected: 02/28/24 14:45							-	x: Solid
Date Received: 02/29/24 14:29							-	
Sample Depth: 4'								
_ Method: SW846 8021B - Volatile C	Organic Comp	ounds (GC	<u> </u>					
Analyte		Qualifier	, RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199		0.00199	mg/Kg		03/04/24 13:22	03/05/24 19:33	1
Toluene	<0.00199	U	0.00199	mg/Kg		03/04/24 13:22	03/05/24 19:33	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		03/04/24 13:22	03/05/24 19:33	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		03/04/24 13:22	03/05/24 19:33	1
o-Xylene	<0.00199	U *+ *1	0.00199	mg/Kg		03/04/24 13:22	03/05/24 19:33	1
Xylenes, Total	<0.00398	U *+ *1	0.00398	mg/Kg		03/04/24 13:22	03/05/24 19:33	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130			03/04/24 13:22	03/05/24 19:33	1
1,4-Difluorobenzene (Surr)	103		70 - 130			03/04/24 13:22	03/05/24 19:33	1
_ Method: TAL SOP Total BTEX - To	otal BTEX Calc	culation						
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398		0.00398	mg/Kg			03/05/24 19:33	1
_ Method: SW846 8015 NM - Diesel	Range Organ	ics (DRO) ((C C)					
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.4		50.4	mg/Kg			03/06/24 06:18	1
_ Method: SW846 8015B NM - Diese	ol Pango Orga							
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.4	U *1	50.4	mg/Kg		03/05/24 14:06	03/06/24 06:18	1
Diesel Range Organics (Over	<50.4	U .	50.4	mg/Kg		03/05/24 14:06	03/06/24 06:18	1
C10-C28)	-00.1	0	00.1	mg/rtg		00/00/2111.00	00/00/21 00.10	
Oll Range Organics (Over C28-C36)	<50.4	U	50.4	mg/Kg		03/05/24 14:06	03/06/24 06:18	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	122		70 - 130			03/05/24 14:06	03/06/24 06:18	1
o-Terphenyl	115		70 - 130			03/05/24 14:06	03/06/24 06:18	1
– Method: EPA 300.0 - Anions, Ion (Chromatograp	hy - Solub	le					

 Analyte
 Result
 Qualifier
 RL
 Unit
 D
 Prepared
 Analyzed
 Dil F

 Chloride
 114
 4.97
 4.97
 mg/Kg
 0
 03/07/24 14:32
 Dil F

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Client: Ensolum Project/Site: PLU C-1 Recycle Facility

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)	
890-6288-1	BH 07	105	104	
890-6288-1 MS	BH 07	99	101	
890-6288-1 MSD	BH 07	95	101	
890-6288-2	BH 07A	106	106	
890-6288-3	BH 07B	101	103	
890-6288-4	BH 07C	106	102	
890-6288-5	BH 07D	106	102	
890-6288-6	BH 08	105	102	
890-6288-7	BH 08A	99	99	
890-6288-8	BH 08B	105	101	
890-6288-9	BH 08C	108	100	
890-6288-10	BH 08D	107	101	
890-6288-11	BH 10	100	102	
890-6288-12	BH 10A	106	104	
890-6288-13	BH 10B	101	101	
890-6288-14	BH 10C	105	102	
890-6288-15	BH 10D	102	102	
890-6288-16	BH 09	109	105	
890-6288-17	BH 09A	106	102	
890-6288-18	BH 09B	107	103	
890-6288-19	BH 09C	98	102	
890-6288-20	BH 09D	102	103	
LCS 880-74652/1-A	Lab Control Sample	5 S1-	101	
LCSD 880-74652/2-A	Lab Control Sample Dup	96	101	
MB 880-74652/5-A	Method Blank	77	98	

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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

Prep Type: Total/NA

		1CO1	OTPH1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
890-6288-1	BH 07	121	111
890-6288-1 MS	BH 07	123	107
890-6288-1 MSD	BH 07	125	108
890-6288-2	BH 07A	120	108
890-6288-3	BH 07B	125	111
890-6288-4	BH 07C	115	103
890-6288-5	BH 07D	140 S1+	121
890-6288-6	BH 08	153 S1+	135 S1+
890-6288-7	BH 08A	113	99
890-6288-8	BH 08B	124	114
890-6288-9	BH 08C	121	109
890-6288-10	BH 08D	116	103
890-6288-11	BH 10	126	112
890-6288-12	BH 10A	118	107

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Job ID: 890-6288-1
SDG: 03C1558251

Prep Type: Total/NA

Job ID: 890-6288-1 SDG: 03C1558251

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

Matrix: Solid

Client: Ensolum

Prep Type: Total/NA

				Percent Surrogate Recovery (Acceptance Limits)	
		1CO1	OTPH1		
Lab Sample ID	Client Sample ID	(70-130)	(70-130)		- 5
890-6288-13	BH 10B	97	87		
890-6288-14	BH 10C	113	105		6
890-6288-15	BH 10D	147 S1+	132 S1+		0
890-6288-16	BH 09	147 S1+	131 S1+		
890-6288-17	BH 09A	132 S1+	121		
890-6288-18	BH 09B	71	66 S1-		
890-6288-19	BH 09C	125	112		8
890-6288-20	BH 09D	122	115		
LCS 880-74821/2-A	Lab Control Sample	100	83		9
LCSD 880-74821/3-A	Lab Control Sample Dup	85	72		
MB 880-74821/1-A	Method Blank	122	111		
Surrogate Legend					

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

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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

03/04/24 13:22

03/04/24 13:22

03/04/24 13:22

03/04/24 13:22

03/04/24 13:22

03/04/24 13:22

Prepared

03/04/24 13:22

03/04/24 13:22

Lab Sample ID: MB 880-74652/5-A

Matrix: Solid

Analyte

Benzene

Toluene

o-Xylene

Surrogate

Matrix: Solid

Ethylbenzene

Xylenes, Total

m-Xylene & p-Xylene

4-Bromofluorobenzene (Surr)

Analysis Batch: 74750

Lab Sample ID: LCS 880-74652/1-A

1,4-Difluorobenzene (Surr)

Analysis Batch: 74750

MB MB

<0.00200 U

<0.00200 U

<0.00200 U

<0.00400 U

<0.00200 U

<0.00400 U

%Recovery

MB MB Qualifier

77

98

Result Qualifier

5
7
8
9

1

1

1

Dil Fac

Client Sample ID: Lab Control Sample

Client Sample ID: Lab Control Sample Dup

03/05/24 11:33

Analyzed

03/05/24 11:33

03/05/24 11:33

Prep Type: Total/NA

Prep Batch: 74652

Prep Type: Total/NA

•	Spike	LCS	LCS				%Rec
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits
Benzene	0.100	0.1113		mg/Kg		111	70 - 130
Toluene	0.100	0.09107		mg/Kg		91	70 - 130
Ethylbenzene	0.100	0.09855		mg/Kg		99	70 - 130
m-Xylene & p-Xylene	0.200	0.1914		mg/Kg		96	70 - 130
o-Xylene	0.100	0.3177	*+	mg/Kg		318	70 - 130

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	5	S1-	70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

Lab Sample ID: LCSD 880-74652/2-A

Matrix: Solid

Analysis Batch: 74750							Prep	Batch:	74652
	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.100	0.1178		mg/Kg		118	70 - 130	6	35
Toluene	0.100	0.09655		mg/Kg		97	70 - 130	6	35
Ethylbenzene	0.100	0.1037		mg/Kg		104	70 - 130	5	35
m-Xylene & p-Xylene	0.200	0.2035		mg/Kg		102	70 - 130	6	35
o-Xylene	0.100	0.09910	*1	mg/Kg		99	70 - 130	105	35

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	96		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

Lab Sample ID: 890-6288-1 MS

Matrix: Solid Prep Type: Total/NA Analysis Batch: 74750 Prep Batch: 74652 Sample Sample Spike MS MS %Rec Analyte **Result Qualifier** Added **Result Qualifier** Unit D %Rec Limits <0.00201 UF1 0.0996 0.1437 F1 Benzene mg/Kg 144 70 - 130 Toluene <0.00201 U 0.0996 0.1173 mg/Kg 117 70 - 130

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Client Sample ID: BH 07

Job ID: 890-6288-1

Released to Imaging: 6/7/2024 11:34:08 AM

MS MS

0.1200

0.2380

0.1133

Result Qualifier

Unit

mg/Kg

mg/Kg

mg/Kg

Spike

Added

0.0996

0.199

0.0996

Limits

70 - 130

70 - 130

Client: Ensolum Project/Site: PLU C-1 Recycle Facility

Lab Sample ID: 890-6288-1 MS

Analysis Batch: 74750

4-Bromofluorobenzene (Surr)

1,4-Difluorobenzene (Surr)

Matrix: Solid

Analyte

o-Xylene

Surrogate

Ethylbenzene

m-Xylene & p-Xylene

Sample Sample

<0.00201

%Recovery

<0.00402 U

<0.00201 U*+*1

MS MS

99

101

Qualifier

Result Qualifier

U

Client Sample ID: BH 07

%Rec

Limits

70 - 130

70 - 130

70 - 130

%Rec

121

119

114

D

Prep Type: Total/NA

Prep Batch: 74652

7

Lab Sample ID: 890-6288-1 MS	D								Client Sam	ple ID:	BH 07
Matrix: Solid									Prep T	Type: Tot	tal/NA
Analysis Batch: 74750									Prep	Batch:	74652
	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	<0.00201	U F1	0.101	0.1388	F1	mg/Kg		138	70 - 130	3	35
Toluene	<0.00201	U	0.101	0.1108		mg/Kg		109	70 - 130	6	35
Ethylbenzene	<0.00201	U	0.101	0.1123		mg/Kg		111	70 - 130	7	35
m-Xylene & p-Xylene	<0.00402	U	0.202	0.2218		mg/Kg		110	70 - 130	7	35
o-Xylene	<0.00201	U *+ *1	0.101	0.1061		mg/Kg		105	70 - 130	7	35
	MSD	MSD									
Surrogate	%Recovery	Qualifier	Limits								
4-Bromofluorobenzene (Surr)	95		70 - 130								
1,4-Difluorobenzene (Surr)	101		70 - 130								

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

Lab Sample ID: MB 880-74821/1-A
Matrix: Solid
Analysis Batch: 74775

	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		03/05/24 14:06	03/05/24 21:07	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		03/05/24 14:06	03/05/24 21:07	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		03/05/24 14:06	03/05/24 21:07	1
	MB	МВ						
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac

1-Chlorooctane	122	70 - 130
o-Terphenyl	111	70 - 130
_		

Lab Sample ID: LCS 880-74821/2-A Matrix: Solid - 1-

Analysis Batch: 74775							Prep E	Batch: 74821
	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics	1000	883.2		mg/Kg		88	70 - 130	
(GRO)-C6-C10								
Diesel Range Organics (Over	1000	1215		mg/Kg		121	70 - 130	
C10-C28)								

Prep Type: Total/NA

03/05/24 21:07

03/05/24 21:07

03/05/24 14:06

03/05/24 14:06

Client Sample ID: Method Blank

Prep Type: Total/NA Prep Batch: 74821

Client Sample ID: Lab Control Sample

1

Client: Ensolum Project/Site: PLU C-1 Recycle Facility

C10-C28)

Diesel Range Organics (Over

Method: 8015B NM - Diesel

Project/Site: PLU C-1 Recycle F	-acility									: 03C15		
Method: 8015B NM - Dies	el Range Or	ganics (I)RO) (GC) ((Continue	÷d)							3
Lab Sample ID: LCS 880-7482 Matrix: Solid Analysis Batch: 74775	21/2-A						Client	Sample		ontrol Sa Type: To Batch:	otal/NA	4
Alldlysis Datoli. 14115	100	LCS							LICH	Datch.	14021	5
Surrogate			Limits									
1-Chlorooctane		Quanner	70 - 130									6
o-Terphenyl	83		70 - 130									_
Lab Sample ID: LCSD 880-74	821/3-A					Clie	nt Sam	ple ID:	Lab Contro	ol Samp	le Dup	7
Matrix: Solid										Type: To		8
Analysis Batch: 74775									· · · ·	Batch:		
_			Spike	LCSD	LCSD				%Rec		RPD	Q
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Gasoline Range Organics			1000	1157	*1	mg/Kg		116	70 - 130	27	20	10
(GRO)-C6-C10			1000	1001					70 (00	10		
Diesel Range Organics (Over C10-C28)			1000	1031		mg/Kg		103	70 - 130	16	20	
	LCSD	LCSD										
Surrogate	%Recovery	Qualifier	Limits									
1-Chlorooctane	85		70 - 130									
o-Terphenyl	72		70 - 130									13
Lab Sample ID: 890-6288-1 M	IS								Client Sam	nple ID:	BH 07	
Matrix: Solid										Type: To		
Analysis Batch: 74775										Batch:		
	Sample	Sample	Spike	MS	MS				%Rec			
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits			
Gasoline Range Organics (GRO)-C6-C10	<49.8	U *1	1010	872.6		mg/Kg		83	70 - 130			

mg/Kg

101

70 - 130

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	123		70 - 130
o-Terphenyl	107		70 - 130

<49.8 U

Lab Sample ID: 890-6288-1 MSD Matrix: Solid Analysis Batch: 74775										ple ID: ype: To Batch:	tal/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	<49.8	U *1	1010	881.8		mg/Kg		83	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	<49.8	U	1010	1058		mg/Kg		102	70 - 130	2	20
	MSD	MSD									
Surrogate	%Recovery	Qualifier	Limits								

1010

1042

Surrogate	%Recovery Qual	ifier Limits
1-Chlorooctane	125	70 - 130
o-Terphenyl	108	70 - 130

Job ID: 890-6288-1

Client: Ensolum

QC Sample Results

Job ID: 890-6288-1 SDG: 03C1558251

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-74607/1-A Matrix: Solid Analysis Batch: 74745								Client	Sample ID: M Prep Ty		
Analysis Daten. 14140		MB MB									
Analyte	R	esult Qualifier		RL	Unit		D	Prepared	Analyzed	k	Dil Fac
Chloride		<5.00 U		5.00	mg/ł	≺g			03/05/24 16	:38	1
_ Lab Sample ID: LCS 880-74607/2-A Matrix: Solid							Clie	nt Sampl	le ID: Lab Cor Prep Ty		
Analysis Batch: 74745											
			Spike		LCS				%Rec		
Analyte Chloride			Added 250	245.5	Qualifier		[98 %Rec	Limits 90 - 110		
			250	245.5		mg/Kg		90	90 - 110		
Lab Sample ID: LCSD 880-74607/3- Matrix: Solid	A					Cli	ent Sa	imple ID:	Lab Control Prep Ty		-
Analysis Batch: 74745			Calife	1.000	LCSD				9/ Doo		000
Analyte			Spike Added		Qualifier	Unit) %Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	244.2	quamor	mg/Kg		98	90 - 110	1	20
Lab Sample ID: 890-6288-1 MS Matrix: Solid									Client Samp Prep Ty		
Analysis Batch: 74745	Sample	Sample	Spike	MS	MS				%Rec		
Analyte	•	Qualifier	Added		Qualifier	Unit) %Rec	Limits		
Chloride	53.9		250	319.2		mg/Kg		106	90 - 110		
Lab Sample ID: 890-6288-1 MSD Matrix: Solid									Client Samp Prep Ty		
Analysis Batch: 74745	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit) %Rec	Limits	RPD	Limit
Chloride	53.9		250	317.0		mg/Kg		105	90 - 110	1	20
Lab Sample ID: 890-6288-11 MS Matrix: Solid									Client Samp Prep Ty		
Analysis Batch: 74745									Fieb i	ype. c	Joiuble
	Sample	Sample	Spike	MS	MS				%Rec		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	0) %Rec	Limits		
Chloride	69.4	F1	250	292.0	F1	mg/Kg		89	90 - 110		
Lab Sample ID: 890-6288-11 MSD Matrix: Solid									Client Samp Prep Ty		
Analysis Batch: 74745											
	-	Sample	Spike		MSD				%Rec		RPD
Analyte Chloride	Result 69.4	Qualifier	Added 250	291.0	Qualifier	Unit mg/Kg	[%Rec 89	Limits 90 - 110	RPD 0	Limit 20
	05.4		200	231.0		mg/rtg		09	30 - 110	0	20
Lab Sample ID: MB 880-74617/1-A Matrix: Solid								Client	Sample ID: M Prep Ty		
Analysis Batch: 74746											
Analyte	_	MB MB lesult Qualifier		RL	Unit		D	Prepared	Analyzed		Dil Fac
00000	D	OCULT INIGHTOR									

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Job ID: 890-6288-1 SDG: 03C1558251

Client: Ensolum Project/Site: PLU C-1 Recycle Facility

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: LCS 880- Matrix: Solid	74617/2-A						Client	Sample	e ID: Lab Co		
									Prep	Type: S	oluble
Analysis Batch: 74746			Spike	1.09	LCS				%Rec		
Analyte			Added		Qualifier	Unit	D	%Rec	Limits		
Chloride			250	237.2	Quaimer	mg/Kg			90 - 110		
-			230	257.2		mg/rtg		90	90 - 110		
Lab Sample ID: LCSD 88	0-74617/3-A					Clier	nt Sam	ple ID:	Lab Contro	ol Sampl	e Dup
Matrix: Solid										Type: S	
Analysis Batch: 74746										.,,	
·····,·····			Spike	LCSD	LCSD				%Rec		RPD
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride			250	237.7		mg/Kg		95	90 - 110	0	20
-											
Lab Sample ID: 890-6288	-15 MS							C	Client Samp	ole ID: B	H 10D
Matrix: Solid									Prep	Type: Se	oluble
Analysis Batch: 74746											
	Sample	Sample	Spike	MS	MS				%Rec		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Chloride	194		250	431.4		mg/Kg		95	90 - 110		
Lab Sample ID: 890-6288	-15 MSD							C	Client Samp	ole ID: B	H 10D
Matrix: Solid										Type: S	
Analysis Batch: 74746											
-	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	194		250	426.1		mg/Kg		93	90 - 110	1	20

Client: Ensolum Project/Site: PLU C-1 Recycle Facility

GC VOA

Prep Batch: 74652

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6288-1	BH 07	Total/NA	Solid	5035	
890-6288-2	BH 07A	Total/NA	Solid	5035	5
890-6288-3	BH 07B	Total/NA	Solid	5035	
890-6288-4	BH 07C	Total/NA	Solid	5035	
890-6288-5	BH 07D	Total/NA	Solid	5035	
890-6288-6	BH 08	Total/NA	Solid	5035	
890-6288-7	BH 08A	Total/NA	Solid	5035	
890-6288-8	BH 08B	Total/NA	Solid	5035	8
890-6288-9	BH 08C	Total/NA	Solid	5035	
890-6288-10	BH 08D	Total/NA	Solid	5035	9
890-6288-11	BH 10	Total/NA	Solid	5035	
890-6288-12	BH 10A	Total/NA	Solid	5035	
890-6288-13	BH 10B	Total/NA	Solid	5035	
890-6288-14	BH 10C	Total/NA	Solid	5035	
890-6288-15	BH 10D	Total/NA	Solid	5035	
890-6288-16	BH 09	Total/NA	Solid	5035	
890-6288-17	BH 09A	Total/NA	Solid	5035	
890-6288-18	BH 09B	Total/NA	Solid	5035	
890-6288-19	BH 09C	Total/NA	Solid	5035	
890-6288-20	BH 09D	Total/NA	Solid	5035	
MB 880-74652/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-74652/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-74652/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-6288-1 MS	BH 07	Total/NA	Solid	5035	
890-6288-1 MSD	BH 07	Total/NA	Solid	5035	

Analysis Batch: 74750

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
890-6288-1	BH 07	Total/NA	Solid	8021B	74652
890-6288-2	BH 07A	Total/NA	Solid	8021B	74652
890-6288-3	BH 07B	Total/NA	Solid	8021B	74652
890-6288-4	BH 07C	Total/NA	Solid	8021B	74652
890-6288-5	BH 07D	Total/NA	Solid	8021B	74652
890-6288-6	BH 08	Total/NA	Solid	8021B	74652
890-6288-7	BH 08A	Total/NA	Solid	8021B	74652
890-6288-8	BH 08B	Total/NA	Solid	8021B	74652
890-6288-9	BH 08C	Total/NA	Solid	8021B	74652
890-6288-10	BH 08D	Total/NA	Solid	8021B	74652
890-6288-11	BH 10	Total/NA	Solid	8021B	74652
890-6288-12	BH 10A	Total/NA	Solid	8021B	74652
890-6288-13	BH 10B	Total/NA	Solid	8021B	74652
890-6288-14	BH 10C	Total/NA	Solid	8021B	74652
890-6288-15	BH 10D	Total/NA	Solid	8021B	74652
890-6288-16	BH 09	Total/NA	Solid	8021B	74652
890-6288-17	BH 09A	Total/NA	Solid	8021B	74652
890-6288-18	BH 09B	Total/NA	Solid	8021B	74652
890-6288-19	BH 09C	Total/NA	Solid	8021B	74652
890-6288-20	BH 09D	Total/NA	Solid	8021B	74652
MB 880-74652/5-A	Method Blank	Total/NA	Solid	8021B	74652
LCS 880-74652/1-A	Lab Control Sample	Total/NA	Solid	8021B	74652
LCSD 880-74652/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	74652

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Job ID: 890-6288-1 SDG: 03C1558251

Client: Ensolum Project/Site: PLU C-1 Recycle Facility

GC VOA (Continued)

Analysis Batch: 74750 (Continued)

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
890-6288-1 MS	BH 07	Total/NA	Solid	8021B	74652
890-6288-1 MSD	BH 07	Total/NA	Solid	8021B	74652

Analysis Batch: 74916

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
90-6288-1	BH 07	Total/NA	Solid	Total BTEX	
390-6288-2	BH 07A	Total/NA	Solid	Total BTEX	
890-6288-3	BH 07B	Total/NA	Solid	Total BTEX	
890-6288-4	BH 07C	Total/NA	Solid	Total BTEX	
890-6288-5	BH 07D	Total/NA	Solid	Total BTEX	
890-6288-6	BH 08	Total/NA	Solid	Total BTEX	
890-6288-7	BH 08A	Total/NA	Solid	Total BTEX	
890-6288-8	BH 08B	Total/NA	Solid	Total BTEX	
890-6288-9	BH 08C	Total/NA	Solid	Total BTEX	
890-6288-10	BH 08D	Total/NA	Solid	Total BTEX	
890-6288-11	BH 10	Total/NA	Solid	Total BTEX	
890-6288-12	BH 10A	Total/NA	Solid	Total BTEX	
890-6288-13	BH 10B	Total/NA	Solid	Total BTEX	
890-6288-14	BH 10C	Total/NA	Solid	Total BTEX	
890-6288-15	BH 10D	Total/NA	Solid	Total BTEX	
890-6288-16	BH 09	Total/NA	Solid	Total BTEX	
890-6288-17	BH 09A	Total/NA	Solid	Total BTEX	
890-6288-18	BH 09B	Total/NA	Solid	Total BTEX	
890-6288-19	BH 09C	Total/NA	Solid	Total BTEX	
890-6288-20	BH 09D	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 74775

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
890-6288-1	BH 07	Total/NA	Solid	8015B NM	74821
890-6288-2	BH 07A	Total/NA	Solid	8015B NM	74821
890-6288-3	BH 07B	Total/NA	Solid	8015B NM	74821
890-6288-4	BH 07C	Total/NA	Solid	8015B NM	74821
890-6288-5	BH 07D	Total/NA	Solid	8015B NM	74821
890-6288-6	BH 08	Total/NA	Solid	8015B NM	74821
890-6288-7	BH 08A	Total/NA	Solid	8015B NM	74821
890-6288-8	BH 08B	Total/NA	Solid	8015B NM	74821
890-6288-9	BH 08C	Total/NA	Solid	8015B NM	74821
890-6288-10	BH 08D	Total/NA	Solid	8015B NM	74821
890-6288-11	BH 10	Total/NA	Solid	8015B NM	74821
890-6288-12	BH 10A	Total/NA	Solid	8015B NM	74821
890-6288-13	BH 10B	Total/NA	Solid	8015B NM	74821
890-6288-14	BH 10C	Total/NA	Solid	8015B NM	74821
890-6288-15	BH 10D	Total/NA	Solid	8015B NM	74821
890-6288-16	BH 09	Total/NA	Solid	8015B NM	74821
890-6288-17	BH 09A	Total/NA	Solid	8015B NM	74821
890-6288-18	BH 09B	Total/NA	Solid	8015B NM	74821
890-6288-19	BH 09C	Total/NA	Solid	8015B NM	74821
890-6288-20	BH 09D	Total/NA	Solid	8015B NM	74821
MB 880-74821/1-A	Method Blank	Total/NA	Solid	8015B NM	74821

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Job ID: 890-6288-1

SDG: 03C1558251

Client: Ensolum Project/Site: PLU C-1 Recycle Facility

GC Semi VOA (Continued)

Analysis Batch: 74775 (Continued)

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
LCS 880-74821/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	74821
LCSD 880-74821/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	74821
890-6288-1 MS	BH 07	Total/NA	Solid	8015B NM	74821
890-6288-1 MSD	BH 07	Total/NA	Solid	8015B NM	74821

Prep Batch: 74821

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
890-6288-1	BH 07	Total/NA	Solid	8015NM Prep	
890-6288-2	BH 07A	Total/NA	Solid	8015NM Prep	
890-6288-3	BH 07B	Total/NA	Solid	8015NM Prep	
890-6288-4	BH 07C	Total/NA	Solid	8015NM Prep	
890-6288-5	BH 07D	Total/NA	Solid	8015NM Prep	
890-6288-6	BH 08	Total/NA	Solid	8015NM Prep	
890-6288-7	BH 08A	Total/NA	Solid	8015NM Prep	
890-6288-8	BH 08B	Total/NA	Solid	8015NM Prep	
890-6288-9	BH 08C	Total/NA	Solid	8015NM Prep	
890-6288-10	BH 08D	Total/NA	Solid	8015NM Prep	
390-6288-11	BH 10	Total/NA	Solid	8015NM Prep	
390-6288-12	BH 10A	Total/NA	Solid	8015NM Prep	
390-6288-13	BH 10B	Total/NA	Solid	8015NM Prep	
390-6288-14	BH 10C	Total/NA	Solid	8015NM Prep	
390-6288-15	BH 10D	Total/NA	Solid	8015NM Prep	
390-6288-16	BH 09	Total/NA	Solid	8015NM Prep	
390-6288-17	BH 09A	Total/NA	Solid	8015NM Prep	
390-6288-18	BH 09B	Total/NA	Solid	8015NM Prep	
390-6288-19	BH 09C	Total/NA	Solid	8015NM Prep	
390-6288-20	BH 09D	Total/NA	Solid	8015NM Prep	
MB 880-74821/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-74821/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-74821/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-6288-1 MS	BH 07	Total/NA	Solid	8015NM Prep	
890-6288-1 MSD	BH 07	Total/NA	Solid	8015NM Prep	

Analysis Batch: 74888

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
890-6288-1	BH 07	Total/NA	Solid	8015 NM	
890-6288-2	BH 07A	Total/NA	Solid	8015 NM	
890-6288-3	BH 07B	Total/NA	Solid	8015 NM	
890-6288-4	BH 07C	Total/NA	Solid	8015 NM	
890-6288-5	BH 07D	Total/NA	Solid	8015 NM	
890-6288-6	BH 08	Total/NA	Solid	8015 NM	
890-6288-7	BH 08A	Total/NA	Solid	8015 NM	
890-6288-8	BH 08B	Total/NA	Solid	8015 NM	
890-6288-9	BH 08C	Total/NA	Solid	8015 NM	
890-6288-10	BH 08D	Total/NA	Solid	8015 NM	
890-6288-11	BH 10	Total/NA	Solid	8015 NM	
890-6288-12	BH 10A	Total/NA	Solid	8015 NM	
890-6288-13	BH 10B	Total/NA	Solid	8015 NM	
890-6288-14	BH 10C	Total/NA	Solid	8015 NM	
890-6288-15	BH 10D	Total/NA	Solid	8015 NM	
890-6288-16	BH 09	Total/NA	Solid	8015 NM	

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Job ID: 890-6288-1 SDG: 03C1558251

Client: Ensolum Project/Site: PLU C-1 Recycle Facility

GC Semi VOA (Continued)

Analysis Batch: 74888 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6288-17	BH 09A	Total/NA	Solid	8015 NM	
890-6288-18	BH 09B	Total/NA	Solid	8015 NM	
890-6288-19	BH 09C	Total/NA	Solid	8015 NM	
890-6288-20	BH 09D	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 74607

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6288-1	BH 07	Soluble	Solid	DI Leach	
890-6288-2	BH 07A	Soluble	Solid	DI Leach	
890-6288-3	BH 07B	Soluble	Solid	DI Leach	
890-6288-4	BH 07C	Soluble	Solid	DI Leach	
890-6288-5	BH 07D	Soluble	Solid	DI Leach	
890-6288-6	BH 08	Soluble	Solid	DI Leach	
890-6288-7	BH 08A	Soluble	Solid	DI Leach	
890-6288-8	BH 08B	Soluble	Solid	DI Leach	
890-6288-9	BH 08C	Soluble	Solid	DI Leach	
890-6288-10	BH 08D	Soluble	Solid	DI Leach	
890-6288-11	BH 10	Soluble	Solid	DI Leach	
890-6288-12	BH 10A	Soluble	Solid	DI Leach	
890-6288-13	BH 10B	Soluble	Solid	DI Leach	
890-6288-14	BH 10C	Soluble	Solid	DI Leach	
MB 880-74607/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-74607/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-74607/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-6288-1 MS	BH 07	Soluble	Solid	DI Leach	
890-6288-1 MSD	BH 07	Soluble	Solid	DI Leach	
890-6288-11 MS	BH 10	Soluble	Solid	DI Leach	
890-6288-11 MSD	BH 10	Soluble	Solid	DI Leach	

Leach Batch: 74617

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6288-15	BH 10D	Soluble	Solid	DI Leach	
890-6288-16	BH 09	Soluble	Solid	DI Leach	
890-6288-17	BH 09A	Soluble	Solid	DI Leach	
890-6288-18	BH 09B	Soluble	Solid	DI Leach	
890-6288-19	BH 09C	Soluble	Solid	DI Leach	
890-6288-20	BH 09D	Soluble	Solid	DI Leach	
MB 880-74617/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-74617/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-74617/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-6288-15 MS	BH 10D	Soluble	Solid	DI Leach	
890-6288-15 MSD	BH 10D	Soluble	Solid	DI Leach	

Analysis Batch: 74745

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6288-1	BH 07	Soluble	Solid	300.0	74607
890-6288-2	BH 07A	Soluble	Solid	300.0	74607
890-6288-3	BH 07B	Soluble	Solid	300.0	74607
890-6288-4	BH 07C	Soluble	Solid	300.0	74607

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Job ID: 890-6288-1 SDG: 03C1558251

Client: Ensolum Project/Site: PLU C-1 Recycle Facility

HPLC/IC (Continued)

Analysis Batch: 74745 (Continued)

nalysis Batch: 74745	(Continued)				
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6288-5	BH 07D	Soluble	Solid	300.0	74607
890-6288-6	BH 08	Soluble	Solid	300.0	74607
890-6288-7	BH 08A	Soluble	Solid	300.0	74607
890-6288-8	BH 08B	Soluble	Solid	300.0	74607
890-6288-9	BH 08C	Soluble	Solid	300.0	74607
890-6288-10	BH 08D	Soluble	Solid	300.0	74607
890-6288-11	BH 10	Soluble	Solid	300.0	74607
390-6288-12	BH 10A	Soluble	Solid	300.0	74607
890-6288-13	BH 10B	Soluble	Solid	300.0	74607
890-6288-14	BH 10C	Soluble	Solid	300.0	74607
MB 880-74607/1-A	Method Blank	Soluble	Solid	300.0	74607
LCS 880-74607/2-A	Lab Control Sample	Soluble	Solid	300.0	74607
LCSD 880-74607/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	74607
890-6288-1 MS	BH 07	Soluble	Solid	300.0	74607
890-6288-1 MSD	BH 07	Soluble	Solid	300.0	74607
890-6288-11 MS	BH 10	Soluble	Solid	300.0	74607
890-6288-11 MSD	BH 10	Soluble	Solid	300.0	74607
nalysis Batch: 74746					
Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
890-6288-15	BH 10D	Soluble	Solid	300.0	74617

Analysis Batch: 74746

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6288-15	BH 10D	Soluble	Solid	300.0	74617
890-6288-16	BH 09	Soluble	Solid	300.0	74617
890-6288-17	BH 09A	Soluble	Solid	300.0	74617
890-6288-18	BH 09B	Soluble	Solid	300.0	74617
890-6288-19	BH 09C	Soluble	Solid	300.0	74617
890-6288-20	BH 09D	Soluble	Solid	300.0	74617
MB 880-74617/1-A	Method Blank	Soluble	Solid	300.0	74617
LCS 880-74617/2-A	Lab Control Sample	Soluble	Solid	300.0	74617
LCSD 880-74617/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	74617
890-6288-15 MS	BH 10D	Soluble	Solid	300.0	74617
890-6288-15 MSD	BH 10D	Soluble	Solid	300.0	74617

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Job ID: 890-6288-1 SDG: 03C1558251

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Job ID: 890-6288-1 SDG: 03C1558251

Lab Sample ID: 890-6288-1 Matrix: Solid

Lab Sample ID: 890-6288-2

Lab Sample ID: 890-6288-3

Lab Sample ID: 890-6288-4

Matrix: Solid

Matrix: Solid

Client Sample ID: BH 07 Date Collected: 02/28/24 13:10 Date Received: 02/29/24 14:29

Client: Ensolum

	Batch Ba	Batch		Dil	Initial Final	Batch Prepared	Prepared			
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	74652	03/04/24 13:22	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	74750	03/05/24 11:55	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			74916	03/05/24 11:55	SM	EET MID
Total/NA	Analysis	8015 NM		1			74888	03/05/24 22:12	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	74821	03/05/24 14:06	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	74775	03/05/24 22:12	SM	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	74607	03/04/24 11:06	SMC	EET MID
Soluble	Analysis	300.0		1			74745	03/05/24 16:52	СН	EET MID

Client Sample ID: BH 07A

Date Collected: 02/28/24 13:15

Date Received: 02/29/24 14:29

	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	74652	03/04/24 13:22	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	74750	03/05/24 12:16	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			74916	03/05/24 12:16	SM	EET MID
Total/NA	Analysis	8015 NM		1			74888	03/05/24 23:19	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	74821	03/05/24 14:06	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	74775	03/05/24 23:19	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	74607	03/04/24 11:06	SMC	EET MID
Soluble	Analysis	300.0		1			74745	03/05/24 17:05	СН	EET MID

Client Sample ID: BH 07B

Date Collected: 02/28/24 13:20

Date Received: 02/29/24 14:29

	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	74652	03/04/24 13:22	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	74750	03/05/24 12:37	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			74916	03/05/24 12:37	SM	EET MID
Total/NA	Analysis	8015 NM		1			74888	03/05/24 23:42	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	74821	03/05/24 14:06	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	74775	03/05/24 23:42	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	74607	03/04/24 11:06	SMC	EET MID
Soluble	Analysis	300.0		1			74745	03/05/24 17:09	СН	EET MID

Client Sample ID: BH 07C Date Collected: 02/28/24 13:25 Date Received: 02/29/24 14:29

	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	74652	03/04/24 13:22	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	74750	03/05/24 12:58	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			74916	03/05/24 12:58	SM	EET MID

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Matrix: Solid

Job ID: 890-6288-1 SDG: 03C1558251

Lab Sample ID: 890-6288-4 Matrix: Solid

Lab Sample ID: 890-6288-5

Date Collected: 02/28/24 13:25 Date Received: 02/29/24 14:29

Client Sample ID: BH 07C

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			74888	03/06/24 00:04	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	74821	03/05/24 14:06	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	74775	03/06/24 00:04	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	74607	03/04/24 11:06	SMC	EET MID
Soluble	Analysis	300.0		1			74745	03/05/24 17:14	СН	EET MID

Client Sample ID: BH 07D

Date Collected: 02/28/24 13:30 Date Received: 02/29/24 14:29

	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	74652	03/04/24 13:22	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	74750	03/05/24 13:18	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			74916	03/05/24 13:18	SM	EET MID
Total/NA	Analysis	8015 NM		1			74888	03/06/24 00:27	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	74821	03/05/24 14:06	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	74775	03/06/24 00:27	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	74607	03/04/24 11:06	SMC	EET MID
Soluble	Analysis	300.0		1			74745	03/05/24 17:18	СН	EET MID

Client Sample ID: BH 08

Date Collected: 02/28/24 13:35 Date Received: 02/29/24 14:29

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 74652 03/04/24 13:22 EL EET MID Total/NA 8021B 5 mL 5 mL 74750 03/05/24 13:39 MNR EET MID Analysis 1 Total/NA Total BTEX Analysis 1 74916 03/05/24 13:39 SM EET MID Total/NA Analysis 8015 NM 74888 03/06/24 00:49 SM EET MID 1 Total/NA Prep 8015NM Prep 10.02 g 10 mL 74821 03/05/24 14:06 AJ EET MID Total/NA Analysis 8015B NM 1 uL 1 uL 74775 03/06/24 00:49 SM EET MID 1 Soluble Leach DI Leach 5.03 g 50 mL 74607 03/04/24 11:06 SMC EET MID Soluble Analysis 300.0 74745 03/05/24 17:31 СН EET MID 1

Client Sample ID: BH 08A

Date Collected: 02/28/24 13:40 Date Received: 02/29/24 14:29

	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	74652	03/04/24 13:22	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	74750	03/05/24 14:00	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			74916	03/05/24 14:00	SM	EET MID
Total/NA	Analysis	8015 NM		1			74888	03/06/24 01:11	SM	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10 mL	74821	03/05/24 14:06	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	74775	03/06/24 01:11	SM	EET MID

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> 11 12 13

Lab Sample ID: 890-6288-6

Matrix: Solid

Matrix: Solid

Lab Sample ID: 890-6288-7

Matrix: Solid

Lab Chronicle

Job ID: 890-6288-1 SDG: 03C1558251

Lab Sample ID: 890-6288-7

Lab Sample ID: 890-6288-8

Lab Sample ID: 890-6288-9

Date Collected: 02/28/24 13:40 Date Received: 02/29/24 14:29

Client Sample ID: BH 08A

Client: Ensolum

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.03 g	50 mL	74607	03/04/24 11:06	SMC	EET MID
Soluble	Analysis	300.0		1			74745	03/05/24 17:36	СН	EET MID

Client Sample ID: BH 08B

Date Collected: 02/28/24 13:45 Date Received: 02/29/24 14:29

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	74652	03/04/24 13:22	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	74750	03/05/24 14:21	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			74916	03/05/24 14:21	SM	EET MID
Total/NA	Analysis	8015 NM		1			74888	03/06/24 01:34	SM	EET MID
Total/NA	Prep	8015NM Prep			9.92 g	10 mL	74821	03/05/24 14:06	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	74775	03/06/24 01:34	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	74607	03/04/24 11:06	SMC	EET MID
Soluble	Analysis	300.0		1			74745	03/05/24 17:40	СН	EET MID

Client Sample ID: BH 08C Date Collected: 02/28/24 13:50

Date Received: 02/29/24 14:29

	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	74652	03/04/24 13:22	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	74750	03/05/24 14:41	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			74916	03/05/24 14:41	SM	EET MID
Total/NA	Analysis	8015 NM		1			74888	03/06/24 01:56	SM	EET MID
Total/NA	Prep	8015NM Prep			9.95 g	10 mL	74821	03/05/24 14:06	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	74775	03/06/24 01:56	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	74607	03/04/24 11:06	SMC	EET MID
Soluble	Analysis	300.0		1			74745	03/05/24 17:45	СН	EET MID

Client Sample ID: BH 08D Date Collected: 02/28/24 13:55 Date Received: 02/29/24 14:29

Lab Sample ID: 890-6288-10 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			5.03 g	5 mL	74652	03/04/24 13:22	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	74750	03/05/24 15:02	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			74916	03/05/24 15:02	SM	EET MID
Total/NA	Analysis	8015 NM		1			74888	03/06/24 02:18	SM	EET MID
Total/NA	Prep	8015NM Prep			9.94 g	10 mL	74821	03/05/24 14:06	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	74775	03/06/24 02:18	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	74607	03/04/24 11:06	SMC	EET MID
Soluble	Analysis	300.0		1			74745	03/05/24 17:49	СН	EET MID

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Matrix: Solid

Matrix: Solid

Matrix: Solid

Batch

Туре

Prep

Analysis

Analysis

Analysis

Analysis

Analysis

Leach

Prep

Batch

Method

5035

8021B

Total BTEX

8015NM Prep

8015B NM

DI Leach

300.0

8015 NM

Client Sample ID: BH 10

Date Collected: 02/28/24 14:00

Date Received: 02/29/24 14:29

Client: Ensolum

Prep Type

Total/NA

Total/NA

Total/NA

Total/NA

Total/NA

Total/NA

Soluble

Soluble

Initial

Amount

5.05 g

5 mL

9.96 g

1 uL

5.00 g

Final

Amount

5 mL

5 mL

10 mL

1 uL

50 mL

Batch

74652

74750

74916

74888

74821

74775

74607

74745

Number

Dil

1

1

1

1

1

Factor

Run

Job ID: 890-6288-1 SDG: 03C1558251

Lab Sample ID: 890-6288-11

Analyst

EL

MNR

SM

SM

A.I

SM

SMC

СН

Prepared

or Analyzed

03/04/24 13:22

03/05/24 16:27

03/05/24 16:27

03/06/24 03:03

03/05/24 14:06

03/06/24 03:03

03/04/24 11:06

03/05/24 17:54

Matrix: Solid

Lab

EET MID

Matrix: Solid

Lab Sample ID: 890-6288-12 Matrix: Solid

Lab Sample ID: 890-6288-13

Lab Sample ID: 890-6288-14

Client Sample ID: BH 10A Date Collected: 02/28/24 14:05

Date Received: 02/29/24 14:29

	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	74652	03/04/24 13:22	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	74750	03/05/24 16:47	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			74916	03/05/24 16:47	SM	EET MID
Total/NA	Analysis	8015 NM		1			74888	03/06/24 03:25	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	74821	03/05/24 14:06	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	74775	03/06/24 03:25	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	74607	03/04/24 11:06	SMC	EET MID
Soluble	Analysis	300.0		1			74745	03/05/24 18:07	СН	EET MID

Client Sample ID: BH 10B

Date Collected: 02/28/24 14:10 Date Received: 02/29/24 14:29

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	74652	03/04/24 13:22	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	74750	03/05/24 17:08	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			74916	03/05/24 17:08	SM	EET MID
Total/NA	Analysis	8015 NM		1			74888	03/06/24 03:47	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	74821	03/05/24 14:06	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	74775	03/06/24 03:47	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	74607	03/04/24 11:06	SMC	EET MID
Soluble	Analysis	300.0		1			74745	03/05/24 18:11	СН	EET MID

Client Sample ID: BH 10C Date Collected: 02/28/24 14:15 Date Received: 02/29/24 14:29

	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	74652	03/04/24 13:22	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	74750	03/05/24 17:29	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			74916	03/05/24 17:29	SM	EET MID

Eurofins Carlsbad

Matrix: Solid

Released to Imaging: 6/7/2024 11:34:08 AM

Job ID: 890-6288-1 SDG: 03C1558251

Lab Sample ID: 890-6288-14 Matrix: Solid

Lab Sample ID: 890-6288-15

Date Collected: 02/28/24 14:15 Date Received: 02/29/24 14:29

Client Sample ID: BH 10C

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			74888	03/06/24 04:08	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	74821	03/05/24 14:06	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	74775	03/06/24 04:08	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	74607	03/04/24 11:06	SMC	EET MID
Soluble	Analysis	300.0		1			74745	03/05/24 18:25	СН	EET MID

Client Sample ID: BH 10D

Date Collected: 02/28/24 14:20

Date Received: 02/29/24 14:29

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	74652	03/04/24 13:22	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	74750	03/05/24 17:49	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			74916	03/05/24 17:49	SM	EET MID
Total/NA	Analysis	8015 NM		1			74888	03/06/24 04:31	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	74821	03/05/24 14:06	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	74775	03/06/24 04:31	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	74617	03/04/24 11:16	SMC	EET MID
Soluble	Analysis	300.0		1			74746	03/07/24 13:22	СН	EET MID

Client Sample ID: BH 09

Date Collected: 02/28/24 14:25 Date Received: 02/29/24 14:29

	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	74652	03/04/24 13:22	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	74750	03/05/24 18:10	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			74916	03/05/24 18:10	SM	EET MID
Total/NA	Analysis	8015 NM		1			74888	03/06/24 04:54	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	74821	03/05/24 14:06	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	74775	03/06/24 04:54	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	74617	03/04/24 11:16	SMC	EET MID
Soluble	Analysis	300.0		1			74746	03/07/24 13:45	СН	EET MID

Client Sample ID: BH 09A

Date Collected: 02/28/24 14:30 Date Received: 02/29/24 14:29

	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	74652	03/04/24 13:22	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	74750	03/05/24 18:31	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			74916	03/05/24 18:31	SM	EET MID
Total/NA	Analysis	8015 NM		1			74888	03/06/24 05:15	SM	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10 mL	74821	03/05/24 14:06	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	74775	03/06/24 05:15	SM	EET MID

Eurofins Carlsbad

Matrix: Solid

Lab Sample ID: 890-6288-16

Matrix: Solid

Matrix: Solid

Lab Sample ID: 890-6288-17

Job ID: 890-6288-1 SDG: 03C1558251

Lab Sample ID: 890-6288-17

Lab Sample ID: 890-6288-18

Lab Sample ID: 890-6288-19

Client Sample ID: BH 09A Date Collected: 02/28/24 14:30

Date Received: 02/29/24 14:29

Client: Ensolum

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.97 g	50 mL	74617	03/04/24 11:16	SMC	EET MID
Soluble	Analysis	300.0		1			74746	03/07/24 13:53	СН	EET MID

Client Sample ID: BH 09B

Date Collected: 02/28/24 14:35 Date Received: 02/29/24 14:29

	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	74652	03/04/24 13:22	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	74750	03/05/24 18:51	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			74916	03/05/24 18:51	SM	EET MID
Total/NA	Analysis	8015 NM		1			74888	03/06/24 05:36	SM	EET MID
Total/NA	Prep	8015NM Prep			9.95 g	10 mL	74821	03/05/24 14:06	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	74775	03/06/24 05:36	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	74617	03/04/24 11:16	SMC	EET MID
Soluble	Analysis	300.0		1			74746	03/07/24 14:01	CH	EET MID

Client Sample ID: BH 09C Date Collected: 02/28/24 14:40

Date Received: 02/29/24 14:29

	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	74652	03/04/24 13:22	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	74750	03/05/24 19:12	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			74916	03/05/24 19:12	SM	EET MID
Total/NA	Analysis	8015 NM		1			74888	03/06/24 05:57	SM	EET MID
Total/NA	Prep	8015NM Prep			9.94 g	10 mL	74821	03/05/24 14:06	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	74775	03/06/24 05:57	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	74617	03/04/24 11:16	SMC	EET MID
Soluble	Analysis	300.0		1			74746	03/07/24 14:09	СН	EET MID

Client Sample ID: BH 09D Date Collected: 02/28/24 14:45

Date Received: 02/29/24 14:29

Lab Sample ID: 890-6288-20

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			5.03 g	5 mL	74652	03/04/24 13:22	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	74750	03/05/24 19:33	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			74916	03/05/24 19:33	SM	EET MID
Total/NA	Analysis	8015 NM		1			74888	03/06/24 06:18	SM	EET MID
Total/NA	Prep	8015NM Prep			9.93 g	10 mL	74821	03/05/24 14:06	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	74775	03/06/24 06:18	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	74617	03/04/24 11:16	SMC	EET MID
Soluble	Analysis	300.0		1			74746	03/07/24 14:32	СН	EET MID

Eurofins Carlsbad

Matrix: Solid

Matrix: Solid

Matrix: Solid

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Released to Imaging: 6/7/2024 11:34:08 AM

Lab Chronicle

Client: Ensolum Project/Site: PLU C-1 Recycle Facility

Laboratory References:

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

Job ID: 890-6288-1 SDG: 03C1558251

Eurofins Carlsbad

	Acc	creditation/Cer	tification Summary			
ient: Ensolum oject/Site: PLU C-1 Rec	cycle Facility				Job ID: 890-6288-1 SDG: 03C1558251	Ī
aboratory: Eurofins nless otherwise noted, all analy						
uthority	Progra		Identification Number	Expiration Date		
exas	NELAF		T104704400-23-26	06-30-24	-	i
The following analytes	are included in this report bu	it the laboratory is not certif	fied by the governing authority. This lis	t may include analytes		
• •	oes not offer certification.	t the laboratory is not ocrain	ieu by the governing autionty. This is	t may moude analytes		
Analysis Method	Prep Method	Matrix	Analyte			
8015 NM		Solid	Total TPH			
Total BTEX		Solid	Total BTEX			1
						l
						i
						ł

Eurofins Carlsbad

Method Summary

Client: Ensolum Project/Site: PLU C-1 Recycle Facility Job ID: 890-6288-1 SDG: 03C1558251

Method	Method Description	Protocol	Laboratory
3021B	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
OI Leach	Deionized Water Leaching Procedure	ASTM	EET MID
SW846 =	Environmental Protection Agency "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third E	dition, November 1986 And Its Updates.	
TAL SOP	= TestAmerica Laboratories, Standard Operating Procedure		
Laboratory R	eferences:		
EET MID	= Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440	0	

Laboratory References:

Eurofins Carlsbad

Released to Imaging: 6/7/2024 11:34:08 AM

Sample Summary

Client: Ensolum Project/Site: PLU C-1 Recycle Facility

b Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
0-6288-1	BH 07	Solid	02/28/24 13:10	02/29/24 14:29	0.5'
0-6288-2	BH 07A	Solid	02/28/24 13:15	02/29/24 14:29	1'
0-6288-3	BH 07B	Solid	02/28/24 13:20	02/29/24 14:29	2'
0-6288-4	BH 07C	Solid	02/28/24 13:25	02/29/24 14:29	3'
0-6288-5	BH 07D	Solid	02/28/24 13:30	02/29/24 14:29	4'
0-6288-6	BH 08	Solid	02/28/24 13:35	02/29/24 14:29	0.5'
0-6288-7	BH 08A	Solid	02/28/24 13:40	02/29/24 14:29	1'
0-6288-8	BH 08B	Solid	02/28/24 13:45	02/29/24 14:29	2'
0-6288-9	BH 08C	Solid	02/28/24 13:50	02/29/24 14:29	3'
0-6288-10	BH 08D	Solid	02/28/24 13:55	02/29/24 14:29	4'
0-6288-11	BH 10	Solid	02/28/24 14:00	02/29/24 14:29	0.5'
0-6288-12	BH 10A	Solid	02/28/24 14:05	02/29/24 14:29	1'
0-6288-13	BH 10B	Solid	02/28/24 14:10	02/29/24 14:29	2'
0-6288-14	BH 10C	Solid	02/28/24 14:15	02/29/24 14:29	3'
0-6288-15	BH 10D	Solid	02/28/24 14:20	02/29/24 14:29	4'
0-6288-16	BH 09	Solid	02/28/24 14:25	02/29/24 14:29	0.5'
0-6288-17	BH 09A	Solid	02/28/24 14:30	02/29/24 14:29	1'
0-6288-18	BH 09B	Solid	02/28/24 14:35	02/29/24 14:29	2'
0-6288-19	BH 09C	Solid	02/28/24 14:40	02/29/24 14:29	3'
0-6288-20	BH 09D	Solid	02/28/24 14:45	02/29/24 14:29	4'

Job ID: 890-6288-1 SDG: 03C1558251

Company Name Ensolution Values Company Name XVD Events Progent Usings - per Carlsbal, NM 88220 Per Carlsbal, NM 88200 Per Carlsbal, NM 88200	Project Manager: Ben Be	Ben Belill	Houst Midiand EL Pa Hobbs Bill to: (If different)	Houston, TX (2) Midland, TX (432) EL Paso, TX (91 Hobbs, NM (575 different) Ar	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 different) Arny Ruth
ny Name Ensolum Company Name XTO Energy as ZIP Garibbad, NM 8220 Lick Sisse 3142. Grien St. as ZIP Garibbad, NM 8220 Email: any uth/Repronunction Caribbad, NM 8220 989-554-0852 Sarbad, Sisse ZiP Email: any uth/Repronunction Caribbad, NM 8220 989-554-0852 Turn Around Turn Around Fill Number: 32.2136, -103.8604 Due Date: 5 days ys Received Intact: Temp Blank: Garib No Wet Ics: Garibad, NM 8220 ys Received Intact: Temp Blank: Garibad, NM 8220 Address: Address: outlody Seals: Yes No Marina Date Tart starts the day received by competitive file Bedding: Address ontaineers: Yes No Marina Sampled Sampled Sampled Depth Greeb Sampled Shift UBD Correction Factor:	ject Manager:	Ben Belill	Bill to: (if		/ Ruth
s: 3122 National Parks Hwy Address: 3104 E. Green St. ate ZIP: Carlsbad, NM 88220 Enail amy ruth@exconnobil.com Name PLU C.1 Recycle Facility Turn Around Fem. Number: 32.21356103.8601 Dis Dative 5 days Is Received Inact: 5 days Sample View 5 days Is Received Inact: Term Normeter ID Sample View 5 days Sample Identification Matrix Sample distribution Matrix Sample Identification Matrix Sample distribution Sample distribution Sample distribution BHU C1D 20.87 (600) The more turne 1.2 Parameters BHU C1D 20.87 (600) The more turne 1.2 Parameters BHU C1D 20.87 (600) 1.3, 1.60 Corrected Temperature 1.2 BHU C1D 20.87 (600) 1.3, 1.60 Corrected Temperature 1.2 BHU C2D 1.3, 1.60 Corrected Temperature 1.2 Parameters BHU C1D 1.3, 1.60 Corrected Temperature 1.3, 1.60 Corrected Temperature 1.3, 1.60 BHU C2D 1.3, 1.60 Corrected Temperature 1.3, 1.60 Corrected Temperature 1.3, 1.60 BHU C2D	Company Name:	Ensolum	Company) Energy
ate ZIP: Carlsbad, NM 82/20 City, State ZIP: Carlsbad, NM 82/20 Name: PLU C-1 Recycle Facility Turn Around Rei Anound Rei Number: 03C1558251 Enduine Rein Rein Anound Rein Sanple Icentification Maritan O'Dell Thermometer ID: Turn Around Rein Anound LE RECEIPT Temp Blank: Cisk No Wet Ice: Cisk No Cisk No Anound Custody Seals: Yes No Thermometer ID: Turn/Around Rein Anound Sample Identification Matrix Sampleid	Address:	3122 National Parks Hwy	Address:	31	4 E. Green St.
Name PLU C-1 Recycle Facility Turn Around Turn Around Anal. Number: 03C1558251 C Rourine Reunine	City, State ZIP:	Carlsbad, NM 88220	City, Stat		sbad, NM 88220
roject Name: PLU C-1 Recycle Facility Turn Around Formation ANALy roject Number: 03C1558251 I Rourine Rou	Phone:	989-854-0852	Email: amy.rut	n@exxonmobil	om
Inspect Number: 03C1558251 Encurine Routine Due Date: 5 days for generative fragments implier's Name Mariaha O'Dell TAT starts inder generative fragments Tat starts inder generative fragments 5 days immpler's Name Mariaha O'Dell TAT starts inder generative fragments Tat starts inder generative fragments 5 days immpler's Name Mariaha O'Dell TAT starts inder generative fragments 1 days 1 days immpler's Name Mariaha O'Dell Thermometer ID: TIVMOUT 1 days conserved intact (resp. No Thermometer ID: TIVMOUT 1 days conserved intact (resp. No No No No conserved intact (resp. No No No No No conserved intact (resp. No No No No No No consol construct Sampled	Project Name:	PLU C-1 Recycle Facility	Turn Around		ANALY
Inspire Sampler Suame Mariaha O'Dell Ta't statist day received by 300m isomper's Name Mariaha O'Dell Ta't statist day received by 300m isomper's Name Temp Blank: Ka's No isomper's Name Temp Blank: Sampled isomper's Name Temperature L'y isomper's Name Sampled Temperature isomper's Name Sampled Temperature isomper's Name Sampled Temperature Sampled Sampled Sampled Sampled Sampled Sampled Sampled Sampled Sampled Sampled Sampled Sam	Project Number:	03C1558251			
ampler's Name: Mariaha O'Dell Tart starts the day received by 430pm OW Temp Blank Carl The momenter Double Custody Seals: Yes No Kirk Samples Received inact: (b) Themmometer Thu Mutor Double Custody Seals: Yes No Marin Sample Identification Marrix Date Sampled Time Corrected Temperature Double Time Corrected Temperature Sample Identification Marrix Sampled Time Sampled Double Time Sampled Depth Corrected Temperature Depth Comp Graph # of Corrected Temperature BH0 TB Sampled Sampled Sampled Sampled Depth Corrected Temperature Parameters BH0 TB Sampled Sampled Sampled Depth Sampled Corrected Temperature Parameters BH0 TB Sampled Sampled Sampled Depth Sample Corrected Temperature Parameters BH0 CBC Sampled Sample Sample Depth Sample Corrected Temperature Parameters BH0 CBC Sample Sample Sample Sample Sample Parameters BH0 CBC Sample Sample Sample Sample Sample Para	Project Location:	32.21356, -103.8604		VS	
SAMPLE RECEIPT Temp Blank: Cost No Wetce: Ops No Themoneter ID: TIVMOUT colar Coustody Seals: Yes No No Temperature Reading: L V Parameter ample Custody Seals: Yes No No Temperature Reading: L V Parameter sample Custody Seals: Yes No No No Temperature Reading: L V Parameter sample Custody Seals: Yes No N/W Temperature Reading: L V Parameter Parameter sample Custody Seals: Yes No Matrix Sample Sampled Sample Custody Seals: Yes No Parameter sample Custody Seals: Yes No Matrix Sample Sampled Sample Custody Seals: Parameter sample Custody Seals: Yes No Matrix Sample Sample Custody Sample Sample Custody Parameter Parameter Sample Identification Matrix Date Tarantice Parameter Parameter Parameter BHU TD Sample Identification Matrix Sample Identification Parameter Parameter Parameter BHU TD 200.87 6020 Total	Sampler's Name:	Mariaha O'Dell	TAT starts the day recei the lab, if received by 4		
amples Received intact (reg No Thermometer ID: TW/MQ/1 color Custody Seals: Yes No (MX Temperature Reading: 1.4 ample Custody Seals: Yes No (MX Temperature Reading: 1.4 ample Custody Seals: Yes No (MX Temperature Reading: 1.4 ample Custody Seals: Yes No (MX Temperature: 1.2 ample Custody Seals: Yes No (MX Temperature: 1.2 cord Containers: Corrected Temperature: 1.2 Parameters: Parameters: Sampled Sampled Sampled Depth Comp Cont Parameters: BHU TA Sampled Sampled Sampled Depth Comp Cont Parameters: BHU TA Sampled Sampled Sampled Depth Comp Cont Parameters: BHU TA Sampled 1.3 1.3 Depth Comp Cont Parameters: No No<	SAMPLE RECE	Temp Blank: Wes	Wet Ice:	eter	
cooler Custody Seals: Yes No. N/X Temperature Reading: L.Y. carrected Temperature: Corrected Temperates and temperature: Corrected Temperates and	Samples Received In	tt (Yejs No	- 1	ram	
ample Custody Seals: Yes No. (N/X Temperature Reading: L. V. Oral Containers: Corrected Temperature: (.2) Corrected Temperature: (.2) Sample Identification Matrix Sampled Sampled Depth Grap: # of BH0 Time Sampled Sampled Sampled Depth Grap: # of BH0 Total Sampled 13:3:45 0.5 17 12 X X BH0 Total 200.71 6010 200.8 / 6020: BRCRA 13:3:45 0.5 14 X X X BH0 BH0 13:3:45 3.4 13:45 3.4 14 14:3:45 14 14:4 <t< td=""><td>Cooler Custody Sea</td><td>Yes No (NA</td><td></td><td>Pa</td><td></td></t<>	Cooler Custody Sea	Yes No (NA		Pa	
Ordel Containers Corrected Temperature I.2 Sample Identification Matrix Date Sampled Time Sampled Depth Sampled Grab/ Sampled Popth Sample Cont Grab/ Cont # of Cont Depth Sample Grab/ Sample # of Cont Depth Sample Depth Sample Grab/ Sample # of Cont Depth Sample Grab/ Sample # of Cont Depth Sample Grab/ Sample I I I I I I I I I I I I I I I I I I I	Sample Custody Sea	Yes NO (NA	ture Reading:		X
Sample Identification Matrix Date Sampled Time Sampled Depth Comp Grab/ Comp # of Comp Difference BH071 S 2/20/24/15:10 0.5 1 1 X X BH071A S 2/20/24/15:10 1.3 3.0 H' X X BH071A S 2/20/24/15:10 1.3 3.0 H' X X BH071A S 2/20/24/15:10 1.3 3.0 H' X X BH071D S 1.3 3.0 H' 1 3.46 1 BH082 S 1.3 4.6 1 3.46 1 3.46 BH082 S 1.3 5.6 1 3.46 1 5.7 BH082 S 1.3 5.6 1 3.5 4 1 5.7 BH082 S S B B B C C	Total Containers:	Correcte	d Temperature: 1.2		-
BHOT S 2/28/24/13:10 0.5 1 1 × × BHUTA 13.10 13.10 14.13 14.14	Sample Ider	Matrix	Time Sampled	# of Cont	
BH01A 13,10,21 BH01B 13,10,21 BH01B 13,10,21 BH01D 13,10,21 BH01D 13,10,21 BH02B 13,10,21 BH02B 13,10,21 BH02B 13,10,21 BH02B 13,10,21 BH02B 13,10,01 BH02B 10,102 BH02B 10,102 BH02B 10,102	BH07	5 212812	13.10	611>	
BH01B 13.10 1 BH01C 13.30 1 BH01D 13.30 1 BH08D 13.40 1.5 BH08D 13.40 1.5 BH08D 1.3.40 1.5 BH08D 1.5 1.5 BH08D 1.5 1.5 BH08D 1.5 1.5 BH08D	BHOT	A	13 26 1	-	
BHUTC 13.36 3 BHUTD 13.36 4 BHURD 13.46 0.5 BHURD 13.56 14 8 BHURD 13.56 14 8 8 BHURD 13.56 14 8 1	LOH	B	1		
BH08 13:30 46 1 BH08 13:46 1 1 BH08 13:56 1 1 BH08 13:56 1 1 BH08 13:56 1 1 BH08 13:56 1 1 1 BH08 13:56 1 1 1 1 BH08 13:56 1 1 1 1 1 BH08 10:51 1 1 1 1 1 1 1 Iticle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010: BRCRA Sb As Ba Be Cd Ca Cr Co Cu Pb 1	T		20		
BH08A 13,46,17 BH08B 13,46,17 BH08B 13,56,37 BH08D 14,77 BH08D 14,77 BH08D BB B B Cd Ca Cr Co Cu Pb Incle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010: BRCRA Sb As Ba Be Cd Cr Co Cu Pb Signature of this document and relinquishment of samples and shall not assume any responsibility for any losses or expenses incurred by the client if surfins Xenco, but not analyzed 1 Tourins Xenco, A minimum charge of \$85,00 w	-				
BH08B L3.56 2 4 4 BH08D J3.56 J4 J4 J4 J4 Total 200.716010 200.816020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co C Cr Co C Sircle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb otice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and sub reurofins Xenco. A minimum charge of \$86.00 will be applied to each project and a charge of \$8 for each sample to Eurofins Xenco, but not analyzed Reclinquished by: (Signature) Date/Time Relinquished by: (Signature) Relinquished by: (Signature) U, J1 U, J1 Additionary of the cost of samples accived by: (Signature) U, J1 U, J1	CA	A			
BH08C J <td>BHOS</td> <td>B</td> <td>13.45 2</td> <td></td> <td></td>	BHOS	B	13.45 2		
Charles Signature Charles Signature Signature <th< td=""><td>BHOB</td><td></td><td></td><td></td><td></td></th<>	BHOB				
Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be C Ca Cr Co Cu Sincle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010; 8RCRA Sb As Ba Be Cd Cr Co Cu revice: Signature of this document and relinquishment of samples constitutes availd purchase order from cilent company to Eurofins Xenco, Its affiliates and shall not assume any responsibility for any losses incurred by the client revices. Eurofins Xenco, will be applied to each project and a charge of \$5 for each sample so or expenses incurred by the client revices. Signature of this document company to Eurofins Xenco, but not analyze Relinquished by: (Signature) Date/Time Relinquished reviewed by: Relinquished by: (Ci) Cub Cub U U U U Hadie Green Mo W. Cub Cub Cub U U U U 4	RUHA	D 8 0	13.55 4	0 0	0 2
otice: Signature of this document and relinquishment of samples constitutes a valid purchase order from cilent company to Eurofine Xenco, its affiliates and service. Eurofine Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the cleant reurofine Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofine Xenco, but not analyo Received by: (Signature) Date/Time Relinquishe Relinquishe by: (Signature) U; J7 U; A	Total 200.7 / 6(Sircle Method(s) a	010 200.8 / 6020: and Metal(s) to be analyzed	13PPM P/SPLP(8RCRA SI	As Ba Be B Cd Ca Cr Co As Ba Be Cd Cr Co Cu
Relinquished by: (Signature) Received by: (Signature) Date/Time Relinquishe	lotice: Signature of this f service. Eurofins Xen f Eurofins Xenco. A min	document and relinquishment of samples co will be liable only for the cost of sample nimum charge of \$85.00 will be applied to	constitutes a valid purchase or s and shall not assume any res ach project and a charge of \$5	der from client componsibility for any lu for each sample sub	ny to Eurofins Xenco, Its affiliates and ses or expenses incurred by the client litted to Eurofins Xenco, but not analy
12. Card about 14:27 2	Relinquished by	y: (Signature) Rece	ved by: (Signature)	0	e/Time Relinquished b
	1 Hadie Green MO	Ord abde		14:2	1 2221 1

Page 208 of 278

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	Environment Testing	esting	Houston, T. Midland, TX (Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300 Midland, TX (432) 704-5440, San Antonio, TX (210) 509-333	TX (214) 902-0300 io, TX (210) 509-3334	Work	Work Order No:	
	Xenco		EL Paso, T)	EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296	, TX (806) 794-1296			
			NIM	NW (979) 392-7330, Cansudu, NW (979) 900-0199	6610-006 (C.1C) MN	www	www.xenco.com Page 2	of 2
Project Manager Ben Belill		Bill to	Bill to: (if different)	Amy Ruth		W	Comi	
		Comp	Company Name:	XTO Energy		Program: UST/PST 🗌 F	Program: UST/PST 🗌 PRP 🗌 Brownfields 🗌 RRC 🗌	Superfund
	3122 National Parks Hwy	Address	SSS:	3104 E. Green St.		State of Project:		1
e ZIP:	Carlsbad, NM 88220	City, 1	City, State ZIP:	Carlsbad, NM 88220		Reporting: Level II	Reporting: Level II 🔲 Level III 🔲 PST/UST 📋 TRRP 📋	
)852	Email: amy.	amy.ruth@exxonmobil.com	<u>bil.com</u>		Deliverables: EDD	ADaPT Other:	
Name:	PLU C-1 Recycle Facility	Turn Around			ANALYSIS REQUEST	QUEST	Preservative Codes	re Codes
97.	03C1558251	✓ Routine □ Rush	ush Code				None: NO	DI Water: H ₂ O
Project Location: 32.2	32.21356, -103.8604	Due Date: 5	5 days				2	MeOH: Me
	Mariaha O'Dell	TAT starts the day received by	eceived by					HNO3: HN
PO #:		the lab, if received by 4:30pm	1					NaOH: Na
SAMPLE RECEIPT Te	Temp Blank: (Xes No	Wet Ice: Yes	No	.0)			H₃PO₄: HP	
Samples Received Intact:	Yes No Thermometer ID:	eter ID:	araı	300			NaHSO4: NABIS	
Cooler Custody Seals: Yes	NO NIA	Hactor:	F	EPA				-
Total Containers		Corrected Temperature:		Н			NaOH+Ascorbic Acid: SAPC	cid: SAPC
Sample Identification	Matrix Date Sampled	Time Depth	th Grab/ # of Comp Cont	TP			Sample Comments	mments
RH10	075402128124		G.				Incident #: NAPP2316047464	⁹ 231604746
RHIOA		F F					Cost Center: 2219821001	19821001,
RH10R		14:10 21					2219871001, 2219781001	19781001.
BHINC		14:15 31					2219791001	1001
BHIOD		14:20 4					Ben Belill:	
BHOM		14:25 0.5	5'				bbelill@ensolum.com	olum.com
BHOOA		14:30 1						
BHUAB		14:55 2						
BHMD	X X		× ×	XCC				
Total 200.7 / 6010 200	200.8 / 6020:	P PA	S 11 A	As Ba Be B Co	Ca Cr Co Cu	K Se	Ag SiO ₂ Na Sr Ti Sn U V	1 V Zn 7471
	<u>/ w w analy-va</u>					the second secon		
Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xe of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses of Eurofins Xenco. A minimum charge of \$86.00 will be applied to each project and a charge of \$6 for each sample submitted to Eurofins	relinquishment of samples c e only for the cost of samples of \$85.00 will be applied to ea	onstitutes a valid purchas and shall not assume any ich project and a charge o	se order from client y responsibility for a of \$5 for each sampl	der from client company to Eurofins Xenco, it: ponsibility for any losses or expenses incurre for each sample submitted to Eurofins Xenco.	its affiliates and subcontractors rred by the cilent if such losses a co, but not analyzed. These term	order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control \$6 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.	conditions the control sly negotlated.	
Relinquished by: (Signature)	re) Recei	Received by: (Signature)		Date/Time	Relinquished by: (Signature)		Received by: (Signature) Da	Date/Time
1 Hadlie Green	aluhu		14:	1:27 2/2en				
3				4				

3/7/2024

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5

Job Number: 890-6288-1 SDG Number: 03C1558251

List Source: Eurofins Carlsbad

Login Sample Receipt Checklist

Client: Ensolum

Login Number: 6288 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	

Login Sample Receipt Checklist

Client: Ensolum

Login Number: 6288 List Number: 2 Creator: Kramer, Jessica

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.	True	
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").

14

Job Number: 890-6288-1 SDG Number: 03C1558251

List Source: Eurofins Midland List Creation: 03/04/24 12:22 PM



March 27, 2024

BEN BELILL ENSOLUM 3122 NATIONAL PARKS HWY CARLSBAD, NM 88220

RE: PLU C - 1 RECYCLE FACILITY

Enclosed are the results of analyses for samples received by the laboratory on 03/21/24 14:20.

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

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

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

Accreditation applies to public drinking water matrices.

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:	03/21/2024	Sampling Date:	03/19/2024
Reported:	03/27/2024	Sampling Type:	Soil
Project Name:	PLU C - 1 RECYCLE FACILITY	Sampling Condition:	Cool & Intact
Project Number:	03C1558251	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.21356-103.8604		

Sample ID: FS 18 2' (H241481-01)

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	03/23/2024	ND	2.20	110	2.00	3.72	
Toluene*	<0.050	0.050	03/23/2024	ND	2.18	109	2.00	3.27	
Ethylbenzene*	<0.050	0.050	03/23/2024	ND	2.11	105	2.00	2.80	
Total Xylenes*	<0.150	0.150	03/23/2024	ND	6.33	106	6.00	3.52	
Total BTEX	<0.300	0.300	03/23/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	336	16.0	03/22/2024	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	03/23/2024	ND	176	88.1	200	3.57	
DRO >C10-C28*	<10.0	10.0	03/23/2024	ND	193	96.6	200	0.493	
EXT DRO >C28-C36	<10.0	10.0	03/23/2024	ND					
Surrogate: 1-Chlorooctane	107	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	117 9	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

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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:	03/21/2024	Sampling Date:	03/19/2024
Reported:	03/27/2024	Sampling Type:	Soil
Project Name:	PLU C - 1 RECYCLE FACILITY	Sampling Condition:	Cool & Intact
Project Number:	03C1558251	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.21356-103.8604		

Sample ID: FS 19 2' (H241481-02)

BTEX 8021B	mg/	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/23/2024	ND	2.20	110	2.00	3.72	
Toluene*	<0.050	0.050	03/23/2024	ND	2.18	109	2.00	3.27	
Ethylbenzene*	<0.050	0.050	03/23/2024	ND	2.11	105	2.00	2.80	
Total Xylenes*	<0.150	0.150	03/23/2024	ND	6.33	106	6.00	3.52	
Total BTEX	<0.300	0.300	03/23/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	03/22/2024	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	03/22/2024	ND	176	88.1	200	3.57	
DRO >C10-C28*	<10.0	10.0	03/22/2024	ND	193	96.6	200	0.493	
EXT DRO >C28-C36	<10.0	10.0	03/22/2024	ND					
Surrogate: 1-Chlorooctane	126 9	48.2-13	4						
Surrogate: 1-Chlorooctadecane	143 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:	03/21/2024	Sampling Date:	03/19/2024
Reported:	03/27/2024	Sampling Type:	Soil
Project Name:	PLU C - 1 RECYCLE FACILITY	Sampling Condition:	Cool & Intact
Project Number:	03C1558251	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.21356-103.8604		

Sample ID: FS 21 2' (H241481-03)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/23/2024	ND	2.20	110	2.00	3.72	
Toluene*	<0.050	0.050	03/23/2024	ND	2.18	109	2.00	3.27	
Ethylbenzene*	<0.050	0.050	03/23/2024	ND	2.11	105	2.00	2.80	
Total Xylenes*	<0.150	0.150	03/23/2024	ND	6.33	106	6.00	3.52	
Total BTEX	<0.300	0.300	03/23/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	03/22/2024	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	03/22/2024	ND	176	88.1	200	3.57	
DRO >C10-C28*	<10.0	10.0	03/22/2024	ND	193	96.6	200	0.493	
EXT DRO >C28-C36	<10.0	10.0	03/22/2024	ND					
Surrogate: 1-Chlorooctane	130	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	148	% 49.1-14	8						

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*=Accredited Analyte

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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:	03/21/2024	Sampling Date:	03/19/2024
Reported:	03/27/2024	Sampling Type:	Soil
Project Name:	PLU C - 1 RECYCLE FACILITY	Sampling Condition:	Cool & Intact
Project Number:	03C1558251	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.21356-103.8604		

Sample ID: FS 22 2' (H241481-04)

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	03/23/2024	ND	2.20	110	2.00	3.72	
Toluene*	<0.050	0.050	03/23/2024	ND	2.18	109	2.00	3.27	
Ethylbenzene*	<0.050	0.050	03/23/2024	ND	2.11	105	2.00	2.80	
Total Xylenes*	<0.150	0.150	03/23/2024	ND	6.33	106	6.00	3.52	
Total BTEX	<0.300	0.300	03/23/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	03/22/2024	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	03/22/2024	ND	176	88.1	200	3.57	
DRO >C10-C28*	<10.0	10.0	03/22/2024	ND	193	96.6	200	0.493	
EXT DRO >C28-C36	<10.0	10.0	03/22/2024	ND					
Surrogate: 1-Chlorooctane	123 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	140 \$	% 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:	03/21/2024	Sampling Date:	03/19/2024
Reported:	03/27/2024	Sampling Type:	Soil
Project Name:	PLU C - 1 RECYCLE FACILITY	Sampling Condition:	Cool & Intact
Project Number:	03C1558251	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.21356-103.8604		

Sample ID: FS 24 2' (H241481-05)

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	03/23/2024	ND	2.20	110	2.00	3.72	
Toluene*	<0.050	0.050	03/23/2024	ND	2.18	109	2.00	3.27	
Ethylbenzene*	<0.050	0.050	03/23/2024	ND	2.11	105	2.00	2.80	
Total Xylenes*	<0.150	0.150	03/23/2024	ND	6.33	106	6.00	3.52	
Total BTEX	<0.300	0.300	03/23/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	103 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	03/25/2024	ND	464	116	400	7.14	QM-07
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/22/2024	ND	176	88.1	200	3.57	
DRO >C10-C28*	<10.0	10.0	03/22/2024	ND	193	96.6	200	0.493	
EXT DRO >C28-C36	<10.0	10.0	03/22/2024	ND					
Surrogate: 1-Chlorooctane	126 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	144 9	% 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:	03/21/2024	Sampling Date:	03/19/2024
Reported:	03/27/2024	Sampling Type:	Soil
Project Name:	PLU C - 1 RECYCLE FACILITY	Sampling Condition:	Cool & Intact
Project Number:	03C1558251	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.21356-103.8604		

Sample ID: FS 20 2' (H241481-06)

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	03/23/2024	ND	2.20	110	2.00	3.72	
Toluene*	<0.050	0.050	03/23/2024	ND	2.18	109	2.00	3.27	
Ethylbenzene*	<0.050	0.050	03/23/2024	ND	2.11	105	2.00	2.80	
Total Xylenes*	<0.150	0.150	03/23/2024	ND	6.33	106	6.00	3.52	
Total BTEX	<0.300	0.300	03/23/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	103 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	03/25/2024	ND	464	116	400	7.14	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/22/2024	ND	176	88.1	200	3.57	
DRO >C10-C28*	<10.0	10.0	03/22/2024	ND	193	96.6	200	0.493	
EXT DRO >C28-C36	<10.0	10.0	03/22/2024	ND					
Surrogate: 1-Chlorooctane	125 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	138 9	% 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:	03/21/2024	Sampling Date:	03/19/2024
Reported:	03/27/2024	Sampling Type:	Soil
Project Name:	PLU C - 1 RECYCLE FACILITY	Sampling Condition:	Cool & Intact
Project Number:	03C1558251	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.21356-103.8604		

Sample ID: FS 23 2' (H241481-07)

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	03/23/2024	ND	2.20	110	2.00	3.72	
Toluene*	<0.050	0.050	03/23/2024	ND	2.18	109	2.00	3.27	
Ethylbenzene*	<0.050	0.050	03/23/2024	ND	2.11	105	2.00	2.80	
Total Xylenes*	<0.150	0.150	03/23/2024	ND	6.33	106	6.00	3.52	
Total BTEX	<0.300	0.300	03/23/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	03/25/2024	ND	464	116	400	7.14	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/22/2024	ND	176	88.1	200	3.57	
DRO >C10-C28*	<10.0	10.0	03/22/2024	ND	193	96.6	200	0.493	
EXT DRO >C28-C36	<10.0	10.0	03/22/2024	ND					
Surrogate: 1-Chlorooctane	124 9	48.2-13	4						
Surrogate: 1-Chlorooctadecane	143 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:	03/21/2024	Sampling Date:	03/19/2024
Reported:	03/27/2024	Sampling Type:	Soil
Project Name:	PLU C - 1 RECYCLE FACILITY	Sampling Condition:	Cool & Intact
Project Number:	03C1558251	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.21356-103.8604		

Sample ID: FS 25 2' (H241481-08)

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	03/23/2024	ND	2.20	110	2.00	3.72	
Toluene*	<0.050	0.050	03/23/2024	ND	2.18	109	2.00	3.27	
Ethylbenzene*	<0.050	0.050	03/23/2024	ND	2.11	105	2.00	2.80	
Total Xylenes*	<0.150	0.150	03/23/2024	ND	6.33	106	6.00	3.52	
Total BTEX	<0.300	0.300	03/23/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	103 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	512	16.0	03/25/2024	ND	464	116	400	7.14	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/22/2024	ND	176	88.1	200	3.57	
DRO >C10-C28*	<10.0	10.0	03/22/2024	ND	193	96.6	200	0.493	
EXT DRO >C28-C36	<10.0	10.0	03/22/2024	ND					
Surrogate: 1-Chlorooctane	117 9	48.2-13	4						
Surrogate: 1-Chlorooctadecane	135 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:	03/21/2024	Sampling Date:	03/19/2024
Reported:	03/27/2024	Sampling Type:	Soil
Project Name:	PLU C - 1 RECYCLE FACILITY	Sampling Condition:	Cool & Intact
Project Number:	03C1558251	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.21356-103.8604		

Sample ID: FS 26 2' (H241481-09)

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	03/23/2024	ND	2.20	110	2.00	3.72	
Toluene*	<0.050	0.050	03/23/2024	ND	2.18	109	2.00	3.27	
Ethylbenzene*	<0.050	0.050	03/23/2024	ND	2.11	105	2.00	2.80	
Total Xylenes*	<0.150	0.150	03/23/2024	ND	6.33	106	6.00	3.52	
Total BTEX	<0.300	0.300	03/23/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1070	16.0	03/25/2024	ND	464	116	400	7.14	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/22/2024	ND	176	88.1	200	3.57	
DRO >C10-C28*	<10.0	10.0	03/22/2024	ND	193	96.6	200	0.493	
EXT DRO >C28-C36	<10.0	10.0	03/22/2024	ND					
Surrogate: 1-Chlorooctane	120	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	139	% 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:	03/21/2024	Sampling Date:	03/19/2024
Reported:	03/27/2024	Sampling Type:	Soil
Project Name:	PLU C - 1 RECYCLE FACILITY	Sampling Condition:	Cool & Intact
Project Number:	03C1558251	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.21356-103.8604		

Sample ID: FS 29 2' (H241481-10)

BTEX 8021B	mg/	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/23/2024	ND	2.20	110	2.00	3.72	
Toluene*	<0.050	0.050	03/23/2024	ND	2.18	109	2.00	3.27	
Ethylbenzene*	<0.050	0.050	03/23/2024	ND	2.11	105	2.00	2.80	
Total Xylenes*	<0.150	0.150	03/23/2024	ND	6.33	106	6.00	3.52	
Total BTEX	<0.300	0.300	03/23/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	103 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	03/25/2024	ND	464	116	400	7.14	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/22/2024	ND	176	88.1	200	3.57	
DRO >C10-C28*	<10.0	10.0	03/22/2024	ND	193	96.6	200	0.493	
EXT DRO >C28-C36	<10.0	10.0	03/22/2024	ND					
Surrogate: 1-Chlorooctane	115 9	48.2-13	4						
Surrogate: 1-Chlorooctadecane	130 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:	03/21/2024	Sampling Date:	03/19/2024
Reported:	03/27/2024	Sampling Type:	Soil
Project Name:	PLU C - 1 RECYCLE FACILITY	Sampling Condition:	Cool & Intact
Project Number:	03C1558251	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.21356-103.8604		

Sample ID: FS 27 2' (H241481-11)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/23/2024	ND	2.20	110	2.00	3.72	
Toluene*	<0.050	0.050	03/23/2024	ND	2.18	109	2.00	3.27	
Ethylbenzene*	<0.050	0.050	03/23/2024	ND	2.11	105	2.00	2.80	
Total Xylenes*	<0.150	0.150	03/23/2024	ND	6.33	106	6.00	3.52	
Total BTEX	<0.300	0.300	03/23/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	03/25/2024	ND	464	116	400	7.14	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/22/2024	ND	176	88.1	200	3.57	
DRO >C10-C28*	<10.0	10.0	03/22/2024	ND	193	96.6	200	0.493	
EXT DRO >C28-C36	<10.0	10.0	03/22/2024	ND					
Surrogate: 1-Chlorooctane	121 9	48.2-13	4						
Surrogate: 1-Chlorooctadecane	137 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:	03/21/2024	Sampling Date:	03/19/2024
Reported:	03/27/2024	Sampling Type:	Soil
Project Name:	PLU C - 1 RECYCLE FACILITY	Sampling Condition:	Cool & Intact
Project Number:	03C1558251	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.21356-103.8604		

Sample ID: FS 28 2' (H241481-12)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/23/2024	ND	2.20	110	2.00	3.72	
Toluene*	<0.050	0.050	03/23/2024	ND	2.18	109	2.00	3.27	
Ethylbenzene*	<0.050	0.050	03/23/2024	ND	2.11	105	2.00	2.80	
Total Xylenes*	<0.150	0.150	03/23/2024	ND	6.33	106	6.00	3.52	
Total BTEX	<0.300	0.300	03/23/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	03/25/2024	ND	464	116	400	7.14	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/22/2024	ND	176	88.1	200	3.57	
DRO >C10-C28*	<10.0	10.0	03/22/2024	ND	193	96.6	200	0.493	
EXT DRO >C28-C36	<10.0	10.0	03/22/2024	ND					
Surrogate: 1-Chlorooctane	123	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	141	% 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:	03/21/2024	Sampling Date:	03/19/2024
Reported:	03/27/2024	Sampling Type:	Soil
Project Name:	PLU C - 1 RECYCLE FACILITY	Sampling Condition:	Cool & Intact
Project Number:	03C1558251	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.21356-103.8604		

Sample ID: FS 30 2' (H241481-13)

BTEX 8021B	mg,	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/23/2024	ND	2.20	110	2.00	3.72	
Toluene*	<0.050	0.050	03/23/2024	ND	2.18	109	2.00	3.27	
Ethylbenzene*	<0.050	0.050	03/23/2024	ND	2.11	105	2.00	2.80	
Total Xylenes*	<0.150	0.150	03/23/2024	ND	6.33	106	6.00	3.52	
Total BTEX	<0.300	0.300	03/23/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	′kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	03/25/2024	ND	464	116	400	7.14	
TPH 8015M	mg,	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/22/2024	ND	176	88.1	200	3.57	
DRO >C10-C28*	<10.0	10.0	03/22/2024	ND	193	96.6	200	0.493	
EXT DRO >C28-C36	<10.0	10.0	03/22/2024	ND					
Surrogate: 1-Chlorooctane	114 9	48.2-13	4						
Surrogate: 1-Chlorooctadecane	132	% 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:	03/21/2024	Sampling Date:	03/19/2024
Reported:	03/27/2024	Sampling Type:	Soil
Project Name:	PLU C - 1 RECYCLE FACILITY	Sampling Condition:	Cool & Intact
Project Number:	03C1558251	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.21356-103.8604		

Sample ID: FS 31 4' (H241481-14)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/23/2024	ND	2.20	110	2.00	3.72	
Toluene*	<0.050	0.050	03/23/2024	ND	2.18	109	2.00	3.27	
Ethylbenzene*	<0.050	0.050	03/23/2024	ND	2.11	105	2.00	2.80	
Total Xylenes*	<0.150	0.150	03/23/2024	ND	6.33	106	6.00	3.52	
Total BTEX	<0.300	0.300	03/23/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	03/25/2024	ND	464	116	400	7.14	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/22/2024	ND	176	88.1	200	3.57	
DRO >C10-C28*	<10.0	10.0	03/22/2024	ND	193	96.6	200	0.493	
EXT DRO >C28-C36	<10.0	10.0	03/22/2024	ND					
Surrogate: 1-Chlorooctane	123	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	134	% 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:	03/21/2024	Sampling Date:	03/19/2024
Reported:	03/27/2024	Sampling Type:	Soil
Project Name:	PLU C - 1 RECYCLE FACILITY	Sampling Condition:	Cool & Intact
Project Number:	03C1558251	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.21356-103.8604		

Sample ID: FS 33 4' (H241481-15)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/23/2024	ND	2.20	110	2.00	3.72	
Toluene*	<0.050	0.050	03/23/2024	ND	2.18	109	2.00	3.27	
Ethylbenzene*	<0.050	0.050	03/23/2024	ND	2.11	105	2.00	2.80	
Total Xylenes*	<0.150	0.150	03/23/2024	ND	6.33	106	6.00	3.52	
Total BTEX	<0.300	0.300	03/23/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	03/25/2024	ND	464	116	400	7.14	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/22/2024	ND	176	88.1	200	3.57	
DRO >C10-C28*	<10.0	10.0	03/22/2024	ND	193	96.6	200	0.493	
EXT DRO >C28-C36	<10.0	10.0	03/22/2024	ND					
Surrogate: 1-Chlorooctane	129	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	134	% 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:	03/21/2024	Sampling Date:	03/19/2024
Reported:	03/27/2024	Sampling Type:	Soil
Project Name:	PLU C - 1 RECYCLE FACILITY	Sampling Condition:	Cool & Intact
Project Number:	03C1558251	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.21356-103.8604		

Sample ID: FS 35 4' (H241481-16)

BTEX 8021B	mg,	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/23/2024	ND	2.20	110	2.00	3.72	
Toluene*	<0.050	0.050	03/23/2024	ND	2.18	109	2.00	3.27	
Ethylbenzene*	<0.050	0.050	03/23/2024	ND	2.11	105	2.00	2.80	
Total Xylenes*	<0.150	0.150	03/23/2024	ND	6.33	106	6.00	3.52	
Total BTEX	<0.300	0.300	03/23/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	′kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	03/25/2024	ND	464	116	400	7.14	
TPH 8015M	mg,	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/22/2024	ND	176	88.1	200	3.57	
DRO >C10-C28*	<10.0	10.0	03/22/2024	ND	193	96.6	200	0.493	
EXT DRO >C28-C36	<10.0	10.0	03/22/2024	ND					
Surrogate: 1-Chlorooctane	128	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	134	% 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:	03/21/2024	Sampling Date:	03/20/2024
Reported:	03/27/2024	Sampling Type:	Soil
Project Name:	PLU C - 1 RECYCLE FACILITY	Sampling Condition:	Cool & Intact
Project Number:	03C1558251	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.21356-103.8604		

Sample ID: FS 13 2' (H241481-17)

BTEX 8021B	mg/	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/23/2024	ND	2.20	110	2.00	3.72	
Toluene*	<0.050	0.050	03/23/2024	ND	2.18	109	2.00	3.27	
Ethylbenzene*	<0.050	0.050	03/23/2024	ND	2.11	105	2.00	2.80	
Total Xylenes*	<0.150	0.150	03/23/2024	ND	6.33	106	6.00	3.52	
Total BTEX	<0.300	0.300	03/23/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	103 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	03/25/2024	ND	464	116	400	7.14	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/22/2024	ND	176	88.1	200	3.57	
DRO >C10-C28*	<10.0	10.0	03/22/2024	ND	193	96.6	200	0.493	
EXT DRO >C28-C36	<10.0	10.0	03/22/2024	ND					
Surrogate: 1-Chlorooctane	132 9	48.2-13	4						
Surrogate: 1-Chlorooctadecane	135 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:	03/21/2024	Sampling Date:	03/20/2024
Reported:	03/27/2024	Sampling Type:	Soil
Project Name:	PLU C - 1 RECYCLE FACILITY	Sampling Condition:	Cool & Intact
Project Number:	03C1558251	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.21356-103.8604		

Sample ID: FS 32 4' (H241481-18)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/23/2024	ND	2.20	110	2.00	3.72	
Toluene*	<0.050	0.050	03/23/2024	ND	2.18	109	2.00	3.27	
Ethylbenzene*	<0.050	0.050	03/23/2024	ND	2.11	105	2.00	2.80	
Total Xylenes*	<0.150	0.150	03/23/2024	ND	6.33	106	6.00	3.52	
Total BTEX	<0.300	0.300	03/23/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	03/25/2024	ND	464	116	400	7.14	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/23/2024	ND	176	88.1	200	3.57	
DRO >C10-C28*	<10.0	10.0	03/23/2024	ND	193	96.6	200	0.493	
EXT DRO >C28-C36	<10.0	10.0	03/23/2024	ND					
Surrogate: 1-Chlorooctane	110 9	48.2-13	4						
Surrogate: 1-Chlorooctadecane	122	% 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:	03/21/2024	Sampling Date:	03/20/2024
Reported:	03/27/2024	Sampling Type:	Soil
Project Name:	PLU C - 1 RECYCLE FACILITY	Sampling Condition:	Cool & Intact
Project Number:	03C1558251	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.21356-103.8604		

Sample ID: FS 34 4' (H241481-19)

BTEX 8021B	mg/	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/23/2024	ND	2.20	110	2.00	3.72	
Toluene*	<0.050	0.050	03/23/2024	ND	2.18	109	2.00	3.27	
Ethylbenzene*	<0.050	0.050	03/23/2024	ND	2.11	105	2.00	2.80	
Total Xylenes*	<0.150	0.150	03/23/2024	ND	6.33	106	6.00	3.52	
Total BTEX	<0.300	0.300	03/23/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	03/25/2024	ND	464	116	400	7.14	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/22/2024	ND	176	88.1	200	3.57	
DRO >C10-C28*	<10.0	10.0	03/22/2024	ND	193	96.6	200	0.493	
EXT DRO >C28-C36	<10.0	10.0	03/22/2024	ND					
Surrogate: 1-Chlorooctane	126 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	145 9	% 49.1-14	8						

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

Received:	03/21/2024	Sampling Date:	03/20/2024
Reported:	03/27/2024	Sampling Type:	Soil
Project Name:	PLU C - 1 RECYCLE FACILITY	Sampling Condition:	Cool & Intact
Project Number:	03C1558251	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.21356-103.8604		

Sample ID: FS 36 4' (H241481-20)

BTEX 8021B	mg/	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/23/2024	ND	2.20	110	2.00	3.72	
Toluene*	<0.050	0.050	03/23/2024	ND	2.18	109	2.00	3.27	
Ethylbenzene*	<0.050	0.050	03/23/2024	ND	2.11	105	2.00	2.80	
Total Xylenes*	<0.150	0.150	03/23/2024	ND	6.33	106	6.00	3.52	
Total BTEX	<0.300	0.300	03/23/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	103 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	03/25/2024	ND	464	116	400	7.14	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/22/2024	ND	188	94.2	200	3.06	
DRO >C10-C28*	<10.0	10.0	03/22/2024	ND	175	87.4	200	2.10	
EXT DRO >C28-C36	<10.0	10.0	03/22/2024	ND					
Surrogate: 1-Chlorooctane	113 9	48.2-13	4						
Surrogate: 1-Chlorooctadecane	106 9	% 49.1-14	8						

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

Received:	03/21/2024	Sampling Date:	03/20/2024
Reported:	03/27/2024	Sampling Type:	Soil
Project Name:	PLU C - 1 RECYCLE FACILITY	Sampling Condition:	Cool & Intact
Project Number:	03C1558251	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.21356-103.8604		

Sample ID: FS 37 4' (H241481-21)

BTEX 8021B	mg/	'kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/23/2024	ND	2.17	109	2.00	0.776	
Toluene*	<0.050	0.050	03/23/2024	ND	2.14	107	2.00	2.46	
Ethylbenzene*	<0.050	0.050	03/23/2024	ND	2.18	109	2.00	2.59	
Total Xylenes*	<0.150	0.150	03/23/2024	ND	6.53	109	6.00	2.50	
Total BTEX	<0.300	0.300	03/23/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	117 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	03/25/2024	ND	464	116	400	7.14	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/22/2024	ND	188	94.2	200	3.06	
DRO >C10-C28*	<10.0	10.0	03/22/2024	ND	175	87.4	200	2.10	
EXT DRO >C28-C36	<10.0	10.0	03/22/2024	ND					
Surrogate: 1-Chlorooctane	113 9	48.2-13	4						
Surrogate: 1-Chlorooctadecane	103 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:	03/21/2024	Sampling Date:	03/20/2024
Reported:	03/27/2024	Sampling Type:	Soil
Project Name:	PLU C - 1 RECYCLE FACILITY	Sampling Condition:	Cool & Intact
Project Number:	03C1558251	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.21356-103.8604		

Sample ID: FS 38 4' (H241481-22)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/23/2024	ND	2.17	109	2.00	0.776	
Toluene*	<0.050	0.050	03/23/2024	ND	2.14	107	2.00	2.46	
Ethylbenzene*	<0.050	0.050	03/23/2024	ND	2.18	109	2.00	2.59	
Total Xylenes*	<0.150	0.150	03/23/2024	ND	6.53	109	6.00	2.50	
Total BTEX	<0.300	0.300	03/23/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	120 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	688	16.0	03/25/2024	ND	464	116	400	7.14	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/22/2024	ND	188	94.2	200	3.06	
DRO >C10-C28*	<10.0	10.0	03/22/2024	ND	175	87.4	200	2.10	
EXT DRO >C28-C36	<10.0	10.0	03/22/2024	ND					
Surrogate: 1-Chlorooctane	112 9	48.2-13	4						
Surrogate: 1-Chlorooctadecane	103 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:	03/21/2024	Sampling Date:	03/20/2024
Reported:	03/27/2024	Sampling Type:	Soil
Project Name:	PLU C - 1 RECYCLE FACILITY	Sampling Condition:	Cool & Intact
Project Number:	03C1558251	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.21356-103.8604		

Sample ID: FS 39 4' (H241481-23)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/23/2024	ND	2.17	109	2.00	0.776	
Toluene*	<0.050	0.050	03/23/2024	ND	2.14	107	2.00	2.46	
Ethylbenzene*	<0.050	0.050	03/23/2024	ND	2.18	109	2.00	2.59	
Total Xylenes*	<0.150	0.150	03/23/2024	ND	6.53	109	6.00	2.50	
Total BTEX	<0.300	0.300	03/23/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	03/25/2024	ND	464	116	400	7.14	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/22/2024	ND	188	94.2	200	3.06	
DRO >C10-C28*	<10.0	10.0	03/22/2024	ND	175	87.4	200	2.10	
EXT DRO >C28-C36	<10.0	10.0	03/22/2024	ND					
Surrogate: 1-Chlorooctane	116	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	108	% 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:	03/21/2024	Sampling Date:	03/20/2024
Reported:	03/27/2024	Sampling Type:	Soil
Project Name:	PLU C - 1 RECYCLE FACILITY	Sampling Condition:	Cool & Intact
Project Number:	03C1558251	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.21356-103.8604		

Sample ID: FS 43 2' (H241481-24)

BTEX 8021B	mg,	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/23/2024	ND	2.17	109	2.00	0.776	
Toluene*	<0.050	0.050	03/23/2024	ND	2.14	107	2.00	2.46	
Ethylbenzene*	<0.050	0.050	03/23/2024	ND	2.18	109	2.00	2.59	
Total Xylenes*	<0.150	0.150	03/23/2024	ND	6.53	109	6.00	2.50	
Total BTEX	<0.300	0.300	03/23/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	119 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	′kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	03/25/2024	ND	464	116	400	7.14	
TPH 8015M	mg,	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/22/2024	ND	188	94.2	200	3.06	
DRO >C10-C28*	<10.0	10.0	03/22/2024	ND	175	87.4	200	2.10	
EXT DRO >C28-C36	<10.0	10.0	03/22/2024	ND					
Surrogate: 1-Chlorooctane	122	% 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:	03/21/2024	Sampling Date:	03/20/2024
Reported:	03/27/2024	Sampling Type:	Soil
Project Name:	PLU C - 1 RECYCLE FACILITY	Sampling Condition:	Cool & Intact
Project Number:	03C1558251	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.21356-103.8604		

Sample ID: FS 40 4' (H241481-25)

BTEX 8021B	mg,	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/23/2024	ND	2.17	109	2.00	0.776	
Toluene*	<0.050	0.050	03/23/2024	ND	2.14	107	2.00	2.46	
Ethylbenzene*	<0.050	0.050	03/23/2024	ND	2.18	109	2.00	2.59	
Total Xylenes*	<0.150	0.150	03/23/2024	ND	6.53	109	6.00	2.50	
Total BTEX	<0.300	0.300	03/23/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	′kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	03/25/2024	ND	464	116	400	0.00	
TPH 8015M	mg,	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/22/2024	ND	188	94.2	200	3.06	
DRO >C10-C28*	<10.0	10.0	03/22/2024	ND	175	87.4	200	2.10	
EXT DRO >C28-C36	<10.0	10.0	03/22/2024	ND					
Surrogate: 1-Chlorooctane	127	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	117 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:	03/21/2024	Sampling Date:	03/20/2024
Reported:	03/27/2024	Sampling Type:	Soil
Project Name:	PLU C - 1 RECYCLE FACILITY	Sampling Condition:	Cool & Intact
Project Number:	03C1558251	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.21356-103.8604		

Sample ID: FS 41 0.5' (H241481-26)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/23/2024	ND	2.17	109	2.00	0.776	
Toluene*	<0.050	0.050	03/23/2024	ND	2.14	107	2.00	2.46	
Ethylbenzene*	<0.050	0.050	03/23/2024	ND	2.18	109	2.00	2.59	
Total Xylenes*	<0.150	0.150	03/23/2024	ND	6.53	109	6.00	2.50	
Total BTEX	<0.300	0.300	03/23/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	117 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	03/25/2024	ND	464	116	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/22/2024	ND	188	94.2	200	3.06	
DRO >C10-C28*	<10.0	10.0	03/22/2024	ND	175	87.4	200	2.10	
EXT DRO >C28-C36	<10.0	10.0	03/22/2024	ND					
Surrogate: 1-Chlorooctane	120 9	48.2-13	4						
Surrogate: 1-Chlorooctadecane	110 %	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:	03/21/2024	Sampling Date:	03/20/2024
Reported:	03/27/2024	Sampling Type:	Soil
Project Name:	PLU C - 1 RECYCLE FACILITY	Sampling Condition:	Cool & Intact
Project Number:	03C1558251	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.21356-103.8604		

Sample ID: FS 44 0.5' (H241481-27)

BTEX 8021B	mg,	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/23/2024	ND	2.17	109	2.00	0.776	
Toluene*	<0.050	0.050	03/23/2024	ND	2.14	107	2.00	2.46	
Ethylbenzene*	<0.050	0.050	03/23/2024	ND	2.18	109	2.00	2.59	
Total Xylenes*	<0.150	0.150	03/23/2024	ND	6.53	109	6.00	2.50	
Total BTEX	<0.300	0.300	03/23/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	117 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	560	16.0	03/25/2024	ND	464	116	400	0.00	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/22/2024	ND	188	94.2	200	3.06	
DRO >C10-C28*	<10.0	10.0	03/22/2024	ND	175	87.4	200	2.10	
EXT DRO >C28-C36	<10.0	10.0	03/22/2024	ND					
Surrogate: 1-Chlorooctane	115 9	48.2-13	4						
Surrogate: 1-Chlorooctadecane	105	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	03/21/2024	Sampling Date:	03/20/2024
Reported:	03/27/2024	Sampling Type:	Soil
Project Name:	PLU C - 1 RECYCLE FACILITY	Sampling Condition:	Cool & Intact
Project Number:	03C1558251	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.21356-103.8604		

Sample ID: FS 42 0.5' (H241481-28)

BTEX 8021B	mg,	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/23/2024	ND	2.17	109	2.00	0.776	
Toluene*	<0.050	0.050	03/23/2024	ND	2.14	107	2.00	2.46	
Ethylbenzene*	<0.050	0.050	03/23/2024	ND	2.18	109	2.00	2.59	
Total Xylenes*	<0.150	0.150	03/23/2024	ND	6.53	109	6.00	2.50	
Total BTEX	<0.300	0.300	03/23/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	113 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	′kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	03/25/2024	ND	464	116	400	0.00	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/22/2024	ND	188	94.2	200	3.06	
DRO >C10-C28*	<10.0	10.0	03/22/2024	ND	175	87.4	200	2.10	
EXT DRO >C28-C36	<10.0	10.0	03/22/2024	ND					
Surrogate: 1-Chlorooctane	112 9	48.2-13	4						
Surrogate: 1-Chlorooctadecane	103	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	03/21/2024	Sampling Date:	03/20/2024
Reported:	03/27/2024	Sampling Type:	Soil
Project Name:	PLU C - 1 RECYCLE FACILITY	Sampling Condition:	Cool & Intact
Project Number:	03C1558251	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.21356-103.8604		

Sample ID: FS 45 0.5' (H241481-29)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/23/2024	ND	2.17	109	2.00	0.776	
Toluene*	<0.050	0.050	03/23/2024	ND	2.14	107	2.00	2.46	
Ethylbenzene*	<0.050	0.050	03/23/2024	ND	2.18	109	2.00	2.59	
Total Xylenes*	<0.150	0.150	03/23/2024	ND	6.53	109	6.00	2.50	
Total BTEX	<0.300	0.300	03/23/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	114 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	03/25/2024	ND	464	116	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/22/2024	ND	188	94.2	200	3.06	
DRO >C10-C28*	<10.0	10.0	03/22/2024	ND	175	87.4	200	2.10	
EXT DRO >C28-C36	<10.0	10.0	03/22/2024	ND					
Surrogate: 1-Chlorooctane	119 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	109	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	03/21/2024	Sampling Date:	03/20/2024
Reported:	03/27/2024	Sampling Type:	Soil
Project Name:	PLU C - 1 RECYCLE FACILITY	Sampling Condition:	Cool & Intact
Project Number:	03C1558251	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.21356-103.8604		

Sample ID: FS 46 0.5' (H241481-30)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/23/2024	ND	2.17	109	2.00	0.776	
Toluene*	<0.050	0.050	03/23/2024	ND	2.14	107	2.00	2.46	
Ethylbenzene*	<0.050	0.050	03/23/2024	ND	2.18	109	2.00	2.59	
Total Xylenes*	<0.150	0.150	03/23/2024	ND	6.53	109	6.00	2.50	
Total BTEX	<0.300	0.300	03/23/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	108 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	'kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	03/25/2024	ND	464	116	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/22/2024	ND	188	94.2	200	3.06	
DRO >C10-C28*	<10.0	10.0	03/22/2024	ND	175	87.4	200	2.10	
EXT DRO >C28-C36	<10.0	10.0	03/22/2024	ND					
Surrogate: 1-Chlorooctane	113 9	48.2-13	4						
Surrogate: 1-Chlorooctadecane	104 9	% 49.1-14	8						

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

Received:	03/21/2024	Sampling Date:	03/20/2024
Reported:	03/27/2024	Sampling Type:	Soil
Project Name:	PLU C - 1 RECYCLE FACILITY	Sampling Condition:	Cool & Intact
Project Number:	03C1558251	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.21356-103.8604		

Sample ID: SW 05 0-2' (H241481-31)

BTEX 8021B	mg/	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/23/2024	ND	2.17	109	2.00	0.776	
Toluene*	<0.050	0.050	03/23/2024	ND	2.14	107	2.00	2.46	
Ethylbenzene*	<0.050	0.050	03/23/2024	ND	2.18	109	2.00	2.59	
Total Xylenes*	<0.150	0.150	03/23/2024	ND	6.53	109	6.00	2.50	
Total BTEX	<0.300	0.300	03/23/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	116 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	03/25/2024	ND	464	116	400	0.00	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/22/2024	ND	188	94.2	200	3.06	
DRO >C10-C28*	<10.0	10.0	03/22/2024	ND	175	87.4	200	2.10	
EXT DRO >C28-C36	<10.0	10.0	03/22/2024	ND					
Surrogate: 1-Chlorooctane	112 9	48.2-13	4						
Surrogate: 1-Chlorooctadecane	101 9	% 49.1-14	8						

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

Received:	03/21/2024	Sampling Date:	03/20/2024
Reported:	03/27/2024	Sampling Type:	Soil
Project Name:	PLU C - 1 RECYCLE FACILITY	Sampling Condition:	Cool & Intact
Project Number:	03C1558251	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.21356-103.8604		

Sample ID: SW 06 0-2' (H241481-32)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/23/2024	ND	2.17	109	2.00	0.776	
Toluene*	<0.050	0.050	03/23/2024	ND	2.14	107	2.00	2.46	
Ethylbenzene*	<0.050	0.050	03/23/2024	ND	2.18	109	2.00	2.59	
Total Xylenes*	<0.150	0.150	03/23/2024	ND	6.53	109	6.00	2.50	
Total BTEX	<0.300	0.300	03/23/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	113 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	03/25/2024	ND	464	116	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/22/2024	ND	188	94.2	200	3.06	
DRO >C10-C28*	<10.0	10.0	03/22/2024	ND	175	87.4	200	2.10	
EXT DRO >C28-C36	<10.0	10.0	03/22/2024	ND					
Surrogate: 1-Chlorooctane	108	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	97.7	% 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:	03/21/2024	Sampling Date:	03/20/2024
Reported:	03/27/2024	Sampling Type:	Soil
Project Name:	PLU C - 1 RECYCLE FACILITY	Sampling Condition:	Cool & Intact
Project Number:	03C1558251	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.21356-103.8604		

Sample ID: SW 07 0-2' (H241481-33)

BTEX 8021B	mg,	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/23/2024	ND	2.17	109	2.00	0.776	
Toluene*	<0.050	0.050	03/23/2024	ND	2.14	107	2.00	2.46	
Ethylbenzene*	<0.050	0.050	03/23/2024	ND	2.18	109	2.00	2.59	
Total Xylenes*	<0.150	0.150	03/23/2024	ND	6.53	109	6.00	2.50	
Total BTEX	<0.300	0.300	03/23/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	113 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	′kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	03/25/2024	ND	464	116	400	0.00	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/22/2024	ND	188	94.2	200	3.06	
DRO >C10-C28*	<10.0	10.0	03/22/2024	ND	175	87.4	200	2.10	
EXT DRO >C28-C36	<10.0	10.0	03/22/2024	ND					
Surrogate: 1-Chlorooctane	111 9	48.2-13	4						
Surrogate: 1-Chlorooctadecane	98.9	% 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:	03/21/2024	Sampling Date:	03/20/2024
Reported:	03/27/2024	Sampling Type:	Soil
Project Name:	PLU C - 1 RECYCLE FACILITY	Sampling Condition:	Cool & Intact
Project Number:	03C1558251	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.21356-103.8604		

Sample ID: SW 08 0-2' (H241481-34)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/23/2024	ND	2.17	109	2.00	0.776	
Toluene*	<0.050	0.050	03/23/2024	ND	2.14	107	2.00	2.46	
Ethylbenzene*	<0.050	0.050	03/23/2024	ND	2.18	109	2.00	2.59	
Total Xylenes*	<0.150	0.150	03/23/2024	ND	6.53	109	6.00	2.50	
Total BTEX	<0.300	0.300	03/23/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	120 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	03/25/2024	ND	464	116	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/22/2024	ND	188	94.2	200	3.06	
DRO >C10-C28*	<10.0	10.0	03/22/2024	ND	175	87.4	200	2.10	
EXT DRO >C28-C36	<10.0	10.0	03/22/2024	ND					
Surrogate: 1-Chlorooctane	111 9	48.2-13	4						
Surrogate: 1-Chlorooctadecane	99.5	% 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:	03/21/2024	Sampling Date:	03/20/2024
Reported:	03/27/2024	Sampling Type:	Soil
Project Name:	PLU C - 1 RECYCLE FACILITY	Sampling Condition:	Cool & Intact
Project Number:	03C1558251	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.21356-103.8604		

Sample ID: SW 09 0-2' (H241481-35)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/23/2024	ND	2.17	109	2.00	0.776	
Toluene*	<0.050	0.050	03/23/2024	ND	2.14	107	2.00	2.46	
Ethylbenzene*	<0.050	0.050	03/23/2024	ND	2.18	109	2.00	2.59	
Total Xylenes*	<0.150	0.150	03/23/2024	ND	6.53	109	6.00	2.50	
Total BTEX	<0.300	0.300	03/23/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	120 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	03/25/2024	ND	464	116	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/22/2024	ND	188	94.2	200	3.06	
DRO >C10-C28*	<10.0	10.0	03/22/2024	ND	175	87.4	200	2.10	
EXT DRO >C28-C36	<10.0	10.0	03/22/2024	ND					
Surrogate: 1-Chlorooctane	110 9	48.2-13	4						
Surrogate: 1-Chlorooctadecane	97.7	% 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:	03/21/2024	Sampling Date:	03/20/2024
Reported:	03/27/2024	Sampling Type:	Soil
Project Name:	PLU C - 1 RECYCLE FACILITY	Sampling Condition:	Cool & Intact
Project Number:	03C1558251	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.21356-103.8604		

Sample ID: SW 17 0-2' (H241481-36)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/23/2024	ND	2.17	109	2.00	0.776	
Toluene*	<0.050	0.050	03/23/2024	ND	2.14	107	2.00	2.46	
Ethylbenzene*	<0.050	0.050	03/23/2024	ND	2.18	109	2.00	2.59	
Total Xylenes*	<0.150	0.150	03/23/2024	ND	6.53	109	6.00	2.50	
Total BTEX	<0.300	0.300	03/23/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	110 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	03/25/2024	ND	464	116	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/22/2024	ND	188	94.2	200	3.06	
DRO >C10-C28*	<10.0	10.0	03/22/2024	ND	175	87.4	200	2.10	
EXT DRO >C28-C36	<10.0	10.0	03/22/2024	ND					
Surrogate: 1-Chlorooctane	127 9	48.2-13	4						
Surrogate: 1-Chlorooctadecane	113 9	49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	03/21/2024	Sampling Date:	03/20/2024
Reported:	03/27/2024	Sampling Type:	Soil
Project Name:	PLU C - 1 RECYCLE FACILITY	Sampling Condition:	Cool & Intact
Project Number:	03C1558251	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.21356-103.8604		

Sample ID: SW 16 0-2' (H241481-37)

BTEX 8021B	mg/	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/23/2024	ND	2.17	109	2.00	0.776	
Toluene*	<0.050	0.050	03/23/2024	ND	2.14	107	2.00	2.46	
Ethylbenzene*	<0.050	0.050	03/23/2024	ND	2.18	109	2.00	2.59	
Total Xylenes*	<0.150	0.150	03/23/2024	ND	6.53	109	6.00	2.50	
Total BTEX	<0.300	0.300	03/23/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	113 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	03/25/2024	ND	464	116	400	0.00	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/22/2024	ND	188	94.2	200	3.06	
DRO >C10-C28*	<10.0	10.0	03/22/2024	ND	175	87.4	200	2.10	
EXT DRO >C28-C36	<10.0	10.0	03/22/2024	ND					
Surrogate: 1-Chlorooctane	111 9	48.2-13	4						
Surrogate: 1-Chlorooctadecane	100 \$	% 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:	03/21/2024	Sampling Date:	03/20/2024
Reported:	03/27/2024	Sampling Type:	Soil
Project Name:	PLU C - 1 RECYCLE FACILITY	Sampling Condition:	Cool & Intact
Project Number:	03C1558251	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.21356-103.8604		

Sample ID: SW 12 0-4' (H241481-38)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/23/2024	ND	2.17	109	2.00	0.776	
Toluene*	<0.050	0.050	03/23/2024	ND	2.14	107	2.00	2.46	
Ethylbenzene*	<0.050	0.050	03/23/2024	ND	2.18	109	2.00	2.59	
Total Xylenes*	<0.150	0.150	03/23/2024	ND	6.53	109	6.00	2.50	
Total BTEX	<0.300	0.300	03/23/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	108	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	03/25/2024	ND	464	116	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/22/2024	ND	188	94.2	200	3.06	
DRO >C10-C28*	<10.0	10.0	03/22/2024	ND	175	87.4	200	2.10	
EXT DRO >C28-C36	<10.0	10.0	03/22/2024	ND					
Surrogate: 1-Chlorooctane	122	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	109	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	03/21/2024	Sampling Date:	03/20/2024
Reported:	03/27/2024	Sampling Type:	Soil
Project Name:	PLU C - 1 RECYCLE FACILITY	Sampling Condition:	Cool & Intact
Project Number:	03C1558251	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.21356-103.8604		

Sample ID: SW 13 0-4' (H241481-39)

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	03/23/2024	ND	2.17	109	2.00	0.776	
Toluene*	<0.050	0.050	03/23/2024	ND	2.14	107	2.00	2.46	
Ethylbenzene*	<0.050	0.050	03/23/2024	ND	2.18	109	2.00	2.59	
Total Xylenes*	<0.150	0.150	03/23/2024	ND	6.53	109	6.00	2.50	
Total BTEX	<0.300	0.300	03/23/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	115 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	03/25/2024	ND	464	116	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/22/2024	ND	188	94.2	200	3.06	
DRO >C10-C28*	<10.0	10.0	03/22/2024	ND	175	87.4	200	2.10	
EXT DRO >C28-C36	<10.0	10.0	03/22/2024	ND					
Surrogate: 1-Chlorooctane	121 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	108 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:	03/21/2024	Sampling Date:	03/20/2024
Reported:	03/27/2024	Sampling Type:	Soil
Project Name:	PLU C - 1 RECYCLE FACILITY	Sampling Condition:	Cool & Intact
Project Number:	03C1558251	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.21356-103.8604		

Sample ID: SW 14 0-4' (H241481-40)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/23/2024	ND	2.17	109	2.00	0.776	
Toluene*	<0.050	0.050	03/23/2024	ND	2.14	107	2.00	2.46	
Ethylbenzene*	<0.050	0.050	03/23/2024	ND	2.18	109	2.00	2.59	
Total Xylenes*	<0.150	0.150	03/23/2024	ND	6.53	109	6.00	2.50	
Total BTEX	<0.300	0.300	03/23/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	109	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	03/25/2024	ND	464	116	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/27/2024	ND	208	104	200	4.03	
DRO >C10-C28*	<10.0	10.0	03/27/2024	ND	210	105	200	3.63	
EXT DRO >C28-C36	<10.0	10.0	03/27/2024	ND					
Surrogate: 1-Chlorooctane	88.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	84.1	% 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:	03/21/2024	Sampling Date:	03/20/2024
Reported:	03/27/2024	Sampling Type:	Soil
Project Name:	PLU C - 1 RECYCLE FACILITY	Sampling Condition:	Cool & Intact
Project Number:	03C1558251	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.21356-103.8604		

Sample ID: SW 10 0-4' (H241481-41)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/24/2024	ND	2.10	105	2.00	6.30	
Toluene*	<0.050	0.050	03/24/2024	ND	2.05	103	2.00	6.32	
Ethylbenzene*	<0.050	0.050	03/24/2024	ND	2.01	101	2.00	6.29	
Total Xylenes*	<0.150	0.150	03/24/2024	ND	5.85	97.6	6.00	6.29	
Total BTEX	<0.300	0.300	03/24/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	93.0	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	03/25/2024	ND	464	116	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/23/2024	ND	208	104	200	4.03	
DRO >C10-C28*	<10.0	10.0	03/23/2024	ND	210	105	200	3.63	
EXT DRO >C28-C36	<10.0	10.0	03/23/2024	ND					
Surrogate: 1-Chlorooctane	126	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	148	% 49.1-14	8						

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

Received:	03/21/2024	Sampling Date:	03/20/2024
Reported:	03/27/2024	Sampling Type:	Soil
Project Name:	PLU C - 1 RECYCLE FACILITY	Sampling Condition:	Cool & Intact
Project Number:	03C1558251	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.21356-103.8604		

Sample ID: SW 15 0-4' (H241481-42)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/24/2024	ND	2.10	105	2.00	6.30	
Toluene*	<0.050	0.050	03/24/2024	ND	2.05	103	2.00	6.32	
Ethylbenzene*	<0.050	0.050	03/24/2024	ND	2.01	101	2.00	6.29	
Total Xylenes*	<0.150	0.150	03/24/2024	ND	5.85	97.6	6.00	6.29	
Total BTEX	<0.300	0.300	03/24/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	92.4	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	03/25/2024	ND	464	116	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/23/2024	ND	208	104	200	4.03	
DRO >C10-C28*	<10.0	10.0	03/23/2024	ND	210	105	200	3.63	
EXT DRO >C28-C36	<10.0	10.0	03/23/2024	ND					
Surrogate: 1-Chlorooctane	115	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	132	% 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:	03/21/2024	Sampling Date:	03/20/2024
Reported:	03/27/2024	Sampling Type:	Soil
Project Name:	PLU C - 1 RECYCLE FACILITY	Sampling Condition:	Cool & Intact
Project Number:	03C1558251	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.21356-103.8604		

Sample ID: SW 18 0-4' (H241481-43)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/24/2024	ND	2.10	105	2.00	6.30	
Toluene*	<0.050	0.050	03/24/2024	ND	2.05	103	2.00	6.32	
Ethylbenzene*	<0.050	0.050	03/24/2024	ND	2.01	101	2.00	6.29	
Total Xylenes*	<0.150	0.150	03/24/2024	ND	5.85	97.6	6.00	6.29	
Total BTEX	<0.300	0.300	03/24/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	93.6	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	03/25/2024	ND	464	116	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/23/2024	ND	208	104	200	4.03	
DRO >C10-C28*	<10.0	10.0	03/23/2024	ND	210	105	200	3.63	
EXT DRO >C28-C36	<10.0	10.0	03/23/2024	ND					
Surrogate: 1-Chlorooctane	121 9	48.2-13	4						
Surrogate: 1-Chlorooctadecane	141 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:	03/21/2024	Sampling Date:	03/20/2024
Reported:	03/27/2024	Sampling Type:	Soil
Project Name:	PLU C - 1 RECYCLE FACILITY	Sampling Condition:	Cool & Intact
Project Number:	03C1558251	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.21356-103.8604		

Sample ID: SW 19 0-0.5' (H241481-44)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/24/2024	ND	2.10	105	2.00	6.30	
Toluene*	<0.050	0.050	03/24/2024	ND	2.05	103	2.00	6.32	
Ethylbenzene*	<0.050	0.050	03/24/2024	ND	2.01	101	2.00	6.29	
Total Xylenes*	<0.150	0.150	03/24/2024	ND	5.85	97.6	6.00	6.29	
Total BTEX	<0.300	0.300	03/24/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	91.9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	03/25/2024	ND	464	116	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/23/2024	ND	208	104	200	4.03	
DRO >C10-C28*	<10.0	10.0	03/23/2024	ND	210	105	200	3.63	
EXT DRO >C28-C36	<10.0	10.0	03/23/2024	ND					
Surrogate: 1-Chlorooctane	107	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	124	% 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:	03/21/2024	Sampling Date:	03/20/2024
Reported:	03/27/2024	Sampling Type:	Soil
Project Name:	PLU C - 1 RECYCLE FACILITY	Sampling Condition:	Cool & Intact
Project Number:	03C1558251	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.21356-103.8604		

Sample ID: SW 20 0-0.5' (H241481-45)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/24/2024	ND	2.10	105	2.00	6.30	
Toluene*	<0.050	0.050	03/24/2024	ND	2.05	103	2.00	6.32	
Ethylbenzene*	<0.050	0.050	03/24/2024	ND	2.01	101	2.00	6.29	
Total Xylenes*	<0.150	0.150	03/24/2024	ND	5.85	97.6	6.00	6.29	
Total BTEX	<0.300	0.300	03/24/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	92.3	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	352	16.0	03/25/2024	ND	464	116	400	3.51	QM-07
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/23/2024	ND	208	104	200	4.03	
DRO >C10-C28*	<10.0	10.0	03/23/2024	ND	210	105	200	3.63	
EXT DRO >C28-C36	<10.0	10.0	03/23/2024	ND					
Surrogate: 1-Chlorooctane	111 9	48.2-13	4						
Surrogate: 1-Chlorooctadecane	128	% 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:	03/21/2024	Sampling Date:	03/20/2024
Reported:	03/27/2024	Sampling Type:	Soil
Project Name:	PLU C - 1 RECYCLE FACILITY	Sampling Condition:	Cool & Intact
Project Number:	03C1558251	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.21356-103.8604		

Sample ID: SW 11 0-4' (H241481-46)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/24/2024	ND	2.10	105	2.00	6.30	
Toluene*	<0.050	0.050	03/24/2024	ND	2.05	103	2.00	6.32	
Ethylbenzene*	<0.050	0.050	03/24/2024	ND	2.01	101	2.00	6.29	
Total Xylenes*	<0.150	0.150	03/24/2024	ND	5.85	97.6	6.00	6.29	
Total BTEX	<0.300	0.300	03/24/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	93.5	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	336	16.0	03/25/2024	ND	464	116	400	3.51	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/23/2024	ND	208	104	200	4.03	
DRO >C10-C28*	<10.0	10.0	03/23/2024	ND	210	105	200	3.63	
EXT DRO >C28-C36	<10.0	10.0	03/23/2024	ND					
Surrogate: 1-Chlorooctane	115 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	132	% 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:	03/21/2024	Sampling Date:	03/20/2024
Reported:	03/27/2024	Sampling Type:	Soil
Project Name:	PLU C - 1 RECYCLE FACILITY	Sampling Condition:	Cool & Intact
Project Number:	03C1558251	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.21356-103.8604		

Sample ID: SW 21 0-2' (H241481-47)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/24/2024	ND	2.10	105	2.00	6.30	
Toluene*	<0.050	0.050	03/24/2024	ND	2.05	103	2.00	6.32	
Ethylbenzene*	<0.050	0.050	03/24/2024	ND	2.01	101	2.00	6.29	
Total Xylenes*	<0.150	0.150	03/24/2024	ND	5.85	97.6	6.00	6.29	
Total BTEX	<0.300	0.300	03/24/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	92.9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	03/25/2024	ND	464	116	400	3.51	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/23/2024	ND	208	104	200	4.03	
DRO >C10-C28*	<10.0	10.0	03/23/2024	ND	210	105	200	3.63	
EXT DRO >C28-C36	<10.0	10.0	03/23/2024	ND					
Surrogate: 1-Chlorooctane	108	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	123	% 49.1-14	8						

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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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Celey D. Keene, Lab Director/Quality Manager

d by OCD: 6/4/20 Delivered By: (Circle One) Sampler - UPS - Bus - Other: Corresss Temp. "C - 7.5 Semple Condition Charter Temp. "C - 7.5 Semple Condition Charter Temp. "C - 7.5 Semple Condition Charter Temp. "C - 7.5 Condition Charter Temp. "C - 7.5	S FS24 2 G FS20 2 G FS20 2 G FS20 2 Holding and Barrison Science and any other annuals for any other match in annuals to annual to an	GROUNDWATER WASTEWATER OIL SLUDGE OTHER :	1973) 399-2326 FAX (575) 393-2478 197 Ben Belill 197 12 National Parks Hwy Shad State: NM ZID: 88720 89) 854-0852 Fax #: 301558251 Project Owner: PLU C-1 Recycle Facility PLU C-1 Recycle Facility 1983 2.213510, -103.8004	
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REMARKS: Chuck Page 1 of 5 Turnaround Time: Standard La Bacteria (only) Sample Condition Thermometer ID #117 #1440 Dives Uses Correction Faster data (Inter Ves Conserved Temp. °C	r completion of the spikable finant is subsidiaries, same a ditensite Verbal Result: [] Yes [] No Add'] Phone #: All Results are emailed. Please provide Frmail addresses	Creane Statistics of the stati	ANALYSIS REQUEST

Received by OCD: 6/4/2024 9:36:12 AM Project Mame: PLU Project Mam	Page 263 of 278
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Received by OCD: 6/4/2024 9:36:12 AM

Page 264 of 278

PLANSE NOTE: Liabley and humages. Cardinate liabley and damp of the series of the seri	Addiness: 5122 National Parallel Phone #: (Q8Q) 854-085 Project #: 03C1558251 Project Name: PLU Project Name: PLU Sampler Neme: M. Not use own Sample I.D. Lab I.D. Sample I.D. H3411481 SW14 40 SW14 41 SW14 42 SW14 43 SW14 44 SW15 43 SW16 44 SW12	In East Maria (675) 393-233 Name: Ensolum, LIC anager: Ben Bel
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Image:		CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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Released to Imaging: 6/7/2024 11:34:08 AM

Received by OCD: 6/4/2024 9:36:12 AM



April 24, 2024

BEN BELILL ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND, TX 79705

RE: PLU C1 RECYCLE FACILITY

Enclosed are the results of analyses for samples received by the laboratory on 04/19/24 12:05.

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

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

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

Accreditation applies to public drinking water matrices.

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, LLC BEN BELILL 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received:	04/19/2024	Sampling Date:	04/16/2024
Reported:	04/24/2024	Sampling Type:	Soil
Project Name:	PLU C1 RECYCLE FACILITY	Sampling Condition:	Cool & Intact
Project Number:	03C1558251	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO 32.21393,- 103.86066		

Sample ID: FS 38 A 5 (H242108-01)

BTEX 8021B	mg/	'kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/22/2024	ND	1.94	97.2	2.00	4.45	
Toluene*	<0.050	0.050	04/22/2024	ND	1.89	94.5	2.00	7.46	
Ethylbenzene*	<0.050	0.050	04/22/2024	ND	1.92	96.0	2.00	9.72	
Total Xylenes*	<0.150	0.150	04/22/2024	ND	5.67	94.5	6.00	11.3	
Total BTEX	<0.300	0.300	04/22/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	118 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	04/23/2024	ND	480	120	400	0.00	
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	04/22/2024	ND	201	101	200	0.204	
DRO >C10-C28*	<10.0	10.0	04/22/2024	ND	207	103	200	2.18	
EXT DRO >C28-C36	<10.0	10.0	04/22/2024	ND					
Surrogate: 1-Chlorooctane	112 9	48.2-13	4						
Surrogate: 1-Chlorooctadecane	118 9	% 49.1-14	0						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM, LLC BEN BELILL 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received:	04/19/2024	Sampling Date:	04/16/2024
Reported:	04/24/2024	Sampling Type:	Soil
Project Name:	PLU C1 RECYCLE FACILITY	Sampling Condition:	Cool & Intact
Project Number:	03C1558251	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO 32.21393,- 103.86066		

Sample ID: FS 26 A 3 (H242108-02)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/22/2024	ND	1.94	97.2	2.00	4.45	
Toluene*	<0.050	0.050	04/22/2024	ND	1.89	94.5	2.00	7.46	
Ethylbenzene*	<0.050	0.050	04/22/2024	ND	1.92	96.0	2.00	9.72	
Total Xylenes*	<0.150	0.150	04/22/2024	ND	5.67	94.5	6.00	11.3	
Total BTEX	<0.300	0.300	04/22/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	106 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	04/23/2024	ND	480	120	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/22/2024	ND	201	101	200	0.204	
DRO >C10-C28*	<10.0	10.0	04/22/2024	ND	207	103	200	2.18	
EXT DRO >C28-C36	<10.0	10.0	04/22/2024	ND					
Surrogate: 1-Chlorooctane	107 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	115 9	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

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: 6/4/2024 9:36:12 AM

(575) 393	arland, Hobbs, NM 88240 -2326 FAX (575) 393-2476	BILL TO	ANALYSIS REQUEST
		P.O. #:	_
Address: 601 N. Marienfeld St. STE 400	00	Company: X TO Enurgy . The	
Mid	State: TX Zip: 79701	P	
Phone #: 989~ 854. 0852		Address: 3/04 & Greens	
720	Project Owner: XTO	city: Carlsback	
DI	· Farilitu	State: NM Zip: 08220	
Project Location: 30 21393	103. 86.06	Phone #: 432-661-0571	
Sampler Name: Tracy Hiller		Fax #:	
	MATRIX	PRESERV. SAMPLING	e
FOR LAB USE ONLY	२		id
Lab I.D. Sample I.D.	(feet) B OR (C)O TAINERS NDWATER EWATER	R : BASE: COOL	TEX
	G)RAB	ACID/E OTHER ACID/E OTHER DATE TIME	TB
totality troop) (0 - # G X S	1-11-11-11-11-11-11-11-11-11-11-11-11-1	X
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PLEASE NOTE: Liability and Damages. Cardinal's liability and cli	client's exclusive remedy for any claim arsing whether based in client's exclusive remedy for any claim arsing whether based in clier cause whatsoever shall be deemed waived unless made in write	edy for any claim ansing whether based in contract or fort, shall be limited to the amount paid by the clent for the shall be deemed waived unless make in writing and received by Cardinal within 30 days after completion of the applicable	nt for the applicable
analyses. All claims including viole to incereorie consequential damages, service. In no event shall Cardinal be liable for incidental or consequential damages.	sequental damages, including without limitation, business internup on of eaching thereinder by Cardinal, regardless of whether such	ness interruptions, loss of use, or loss of proats incurrou by commune whether such claim is based upon any of the above stated reasons of otherwise.	ende
Relinquished By:	184		All Results are emailed. Please provide Email address: All Results are emailed. Please provide Email address:
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her:	Tamp. CH.IC LIC	X	Themometer ID

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

District III

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

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

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

QUESTIONS

Action 350603

QUESTIONS		
Operator:	OGRID:	
XTO ENERGY, INC	5380	
6401 Holiday Hill Road	Action Number:	
Midland, TX 79707	350603	
	Action Type:	
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)	

QUESTIONS

rerequisites	
Incident ID (n#)	nAPP2316047464
Incident Name	NAPP2316047464 PLUC 1 RECYCLE FACILITY @ 0
Incident Type	Produced Water Release
Incident Status	Remediation Closure Report Received

Location of Release Source

ease answer all the questions in this group.		
Site Name	PLUC 1 RECYCLE FACILITY	
Date Release Discovered	05/29/2023	
Surface Owner	Federal	

Incident Details

e 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 Pump Produced Water Released: 58 BBL Recovered: 0 BBL Lost: 58 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.

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

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

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

QUESTIONS, Page 2

Action 350603

QUESTIONS (continued)

Operator:	OGRID:
XTO ENERGY, INC	5380
6401 Holiday Hill Road	Action Number:
Midland, TX 79707	350603
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

	Nature and Volume of Release (continued)				
	Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.			
ſ	Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Yes			
	Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.			
	With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.				

Initial	Dee	ponse
initiai	Res	ponse

The responsible party must undertake the following actions immediately unless they could create a s	afety hazard that would result in injury.
The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	Not answered.
	ation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of ted or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of valuation in the follow-up C-141 submission.
to report and/or file certain release notifications and perform corrective actions for releat the OCD does not relieve the operator of liability should their operations have failed to a	knowledge and understand that pursuant to OCD rules and regulations all operators are required ases which may endanger public health or the environment. The acceptance of a C-141 report by adequately investigate and remediate contamination that pose a threat to groundwater, surface t does not relieve the operator of responsibility for compliance with any other federal, state, or
I hereby agree and sign off to the above statement	Name: Alan Romero Title: Regulatory Analyst Email: alan.romero1@exxonmobil.com Date: 06/04/2024

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

District III

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

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

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

QUESTIONS, Page 3

Action 350603

Page 273 of 278

QUESTIONS (continued)		
	OGRID.	

Operator:	OGRID:
XTO ENERGY, INC	5380
6401 Holiday Hill Road	Action Number:
Midland, TX 79707	350603
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Site Characterization

Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 100 and 500 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release ar	id the following surface areas:
A continuously flowing watercourse or any other significant watercourse	Between 1000 (ft.) and ½ (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1 and 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Between 1 and 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between ½ and 1 (mi.)
Any other fresh water well or spring	Between ½ and 1 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between ½ and 1 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Between 1 and 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Between ½ and 1 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	Yes

Remediation Plan

Please answer all the questions t	hat apply or are indicated. This information must be provided t	o 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)	327
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
Per Subsection B of 19.15.29.11	Y Y	0 ed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMA
Per Subsection B of 19.15.29.11 I which includes the anticipated tin	NMAC unless the site characterization report includes complete	
Per Subsection B of 19.15.29.11 which includes the anticipated tin On what estimated date w	NMAC unless the site characterization report includes complete 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/
Per Subsection B of 19.15.29.11 which includes the anticipated tin On what estimated date w On what date will (or did) t	NMAC unless the site characterization report includes complete 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 NMA 02/26/2024
Per Subsection B of 19.15.29.11 which includes the anticipated tin On what estimated date w On what date will (or did) t On what date will (or was)	NMAC unless the site characterization report includes complete 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 NMA 02/26/2024 04/16/2024
Per Subsection B of 19.15.29.11 which includes the anticipated tim On what estimated date w On what date will (or did) t On what date will (or was) What is the estimated surf	NMAC unless the site characterization report includes complete 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 NMA 02/26/2024 04/16/2024 05/01/2024
Per Subsection B of 19.15.29.11 which includes the anticipated tim 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	NMAC unless the site characterization report includes complete 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/ 02/26/2024 04/16/2024 05/01/2024 8200
Per Subsection B of 19.15.29.11 which includes the anticipated tim On what estimated date w On what date will (or did) t On what date will (or was) What is the estimated surf What is the estimated volu What is the estimated surf	NMAC unless the site characterization report includes complete 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 ime (in cubic yards) that will be reclaimed	ed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NM/ 02/26/2024 04/16/2024 05/01/2024 8200 600

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

District I

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

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

District III

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

QUESTIONS, Page 4

Action 350603

 QUESTIONS (continued)

 Operator:
 OGRID:

 XTO ENERGY, INC
 5380

 6401 Holiday Hill Road
 Action Number:

 Midland, TX 79707
 350603

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

QUESTIONS

Remediation Plan (continued)

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants: (Select all answers below that apply.) (Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.) Yes Which OCD approved facility will be used for off-site disposal HALFWAY DISPOSAL AND LANDFILL [fEEM0112334510] OR which OCD approved well (API) will be used for off-site disposal Not answered. OR is the off-site disposal site, to be used, out-of-state Not answered. OR is the off-site disposal site, to be used, an NMED facility Not answered (Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms) Not answered (In Situ) Soil Vapor Extraction Not answered. (In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.) Not answered (In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.) Not answered. (In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.) Not answered. Ground Water Abatement pursuant to 19.15.30 NMAC Not answered. OTHER (Non-listed remedial process) Not answered. Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations Name: Alan Romero Title: Regulatory Analyst I hereby agree and sign off to the above statement Email: alan.romero1@exxonmobil.com Date: 06/04/2024

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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District III

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

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

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Action 350603

QUESTIONS (continued)		
Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380	
	Action Number: 350603	
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)	
QUESTIONS		

Deferral Requests Only

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

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

QUESTIONS, Page 6

Action 350603

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QUESTIONS (continued) Operator: OGRID: XTO ENERGY, INC 5380 6401 Holiday Hill Road Action Number: Midland, TX 79707 350603 Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	332384
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	04/16/2024
What was the (estimated) number of samples that were to be gathered	6
What was the sampling surface area in square feet	1200

Remediation Closure Request

Only answer the questions in this group if seeking remediation closure for this release because all re	emediation steps have been completed.
Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	8200
What was the total volume (cubic yards) remediated	600
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	8200
What was the total volume (in cubic yards) reclaimed	600
Summarize any additional remediation activities not included by answers (above)	On May 29, 2023, mechanical failure on a pump flange resulted in the release of 58 barrels (bbls) of produced water onto a pipeline right-of-way (ROW). No fluids were recovered. Ensolum conducted Site assessment and delineation activities and presented the results in the Work Plan. The Work Plan was submitted on November 20, 2023 and approved by the NMOCD on March 26, 2024. Excavation activities were conducted at the Site in accordance with the approved Work Plan to address the May 29, 2023 release of produced water. Laboratory analytical results for the final confirmation soil samples indicate concentrations of all COCs were compliant with the Closure Criteria. 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. Upon approval the Site will be re-seeded with an approved BLM seed mix.
	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 water, human health or the environment. In addition, OCD acceptance of a C-141 report	
I hereby agree and sign off to the above statement	Name: Alan Romero Title: Regulatory Analyst Email: alan.romero1@exxonmobil.com Date: 06/04/2024

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QUESTIONS,	Page	7
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Action 350603

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QUESTIONS (continued)		
Operator: XTO ENERGY, INC	OGRID: 5380	
6401 Holiday Hill Road Midland, TX 79707	Action Number: 350603	
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)	
QUESTIONS		
Reclamation Report		

Only answer the questions in this group if all reclamation steps have been completed. Requesting a reclamation approval with this submission

No

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CONDITIONS

Action 350603

CONDITIONS		
Operator:	OGRID:	
XTO ENERGY, INC	5380	
6401 Holiday Hill Road	Action Number:	
Midland, TX 79707	350603	
	Action Type:	
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)	

CONDITIONS

Created By	Condition	Condition Date
scwells	Remediation closure approved.	6/7/2024
scwells	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 the area is 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.	6/7/2024