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Incident ID	NAPP2235646436
District RP	
Facility ID	
Application ID	

Closure

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

Closure Report Attachment Checklist: Each of the following items must be included in the closure report.

A scaled site and sampling diagram as described in 19.15.29.	11 NMAC
Photographs of the remediated site prior to backfill or photomust be notified 2 days prior to liner inspection)	s of the liner integrity if applicable (Note: appropriate OCD District office
☐ Laboratory analyses of final sampling (Note: appropriate OD	C District office must be notified 2 days prior to final sampling)
Description of remediation activities	
and regulations all operators are required to report and/or file certa may endanger public health or the environment. The acceptance of should their operations have failed to adequately investigate and reshuman health or the environment. In addition, OCD acceptance of compliance with any other federal, state, or local laws and/or regularestore, reclaim, and re-vegetate the impacted surface area to the coaccordance with 19.15.29.13 NMAC including notification to the Coaccordance area to the coaccordance with 19.15.29.13 NMAC including notification with 19.15.29.13 NMAC including notification to the Coaccordance with 19.15.29.13 NMAC including notification with 19.	ations. The responsible party acknowledges they must substantially onditions that existed prior to the release or their final land use in
email: garrett.green@exxonmobil.com	Telephone: 575-200-0729
OCD Only Received by: Jocelyn Harimon	Date:03/20/2023
	y of liability should their operations have failed to adequately investigate and water, human health, or the environment nor does not relieve the responsible /or regulations.
Closure Approved by: Robert Hamlet	Date: 7/27/2023
Printed Name: Robert Hamlet	Title:Environmental Specialist - Advanced

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

State of New Mexico Energy Minerals and Natural Resources Department

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

Incident ID	NAPP2235646436
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party	YTO	Energy		OGRID 4	5380
Contact Name Garrett Green				-	elephone 575-200-0729
Contact email garrett.green@exxonmobil.com			(assigned by OCD)		
					(ussigned by OCD)
Contact mailing ac	uuress 3	104 E. Greene Str	reet, Carlsbad, Nev	w Mexico, 88220	
			Location	of Release So	ource
Latitude 32.14932	2			Longitude	-103.84715
			(NAD 83 in dec	imal degrees to 5 decim	nal places)
Site Name PLU C 2	2			Site Type R	Recycle Facility
Date Release Disco	overed	12/20/2022		API# (if app	licable)
Unit Letter Sec	ction	Township	Range	Coun	itv
	11	25S	30E	Edd	<u>·</u>
A	11	233	JOL	Edd	y
Surface Owner:	State [🗴 Federal 🗌 Tr	ibal 🗌 Private (A	Vame:)
			Nature and	l Volume of F	Release
	Material(calculations or specific	justification for the volumes provided below)
Crude Oil		Volume Release	d (bbls)		Volume Recovered (bbls)
roduced Wate	er	Volume Release	d (bbls) 8.82		Volume Recovered (bbls) 0.00
Is the concentration of total dissolved solids (The in the produced water >10,000 mg/l?			☐ Yes ☐ No		
Condensate Volume Released (bbls)			Volume Recovered (bbls)		
☐ Natural Gas Volume Released (Mcf)			Volume Recovered (Mcf)		
Other (describe) Volume/Weight Released (provide units)		units)	Volume/Weight Recovered (provide units)		
Cause of Release					
r					nsfer operation when a valve was not positioned retained for remediation purposes.
	onecus	prior to procedu	ic. 11 time-party c	contractor has been	retained for remediation purposes.

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Was this a major	If YES, for what reason(s) does the respon	sible part	y consider this a major release?
release as defined by 19.15.29.7(A) NMAC?	N/A		
19.13.29.7(A) NMAC:			
Yes 🗷 No			
ŕ	otice given to the OCD? By whom? To wh	om? Wh	en and by what means (phone, email, etc)?
N/A			
	Initial Re	espons	e
The responsible j	party must undertake the following actions immediately	v unless they	could create a safety hazard that would result in injury
➤ The source of the rele	ease has been stopped.		
▼ The impacted area ha	s been secured to protect human health and	the enviro	onment.
x Released materials ha	ave been contained via the use of berms or d	ikes, abso	orbent pads, or other containment devices.
★ All free liquids and re	ecoverable materials have been removed and	d manage	d appropriately.
If all the actions described	d above have <u>not</u> been undertaken, explain v	vhy:	
NA			
has begun, please attach	a narrative of actions to date. If remedial	efforts ha	n immediately after discovery of a release. If remediation we been successfully completed or if the release occurred ch all information needed for closure evaluation.
regulations all operators are public health or the environr failed to adequately investig	required to report and/or file certain release notified. The acceptance of a C-141 report by the Oate and remediate contamination that pose a three	fications ar CD does n at to groun	knowledge and understand that pursuant to OCD rules and ad perform corrective actions for releases which may endanger of relieve the operator of liability should their operations have dwater, surface water, human health or the environment. In ity for compliance with any other federal, state, or local laws
Printed Name: Garrett G	reen	Title:	SSHE Coordinator
Signature:	A Sun	Date:	12/22/2022
email: garrett.green@exx	konmobil.com	Telepho	one: <u>575-200-0729</u>
OCD Only			
Received by:	lyn Harimon	Date: _	12/22/2022

Location:	PLUC 2		
Spill Date:	12/20/2022		
	Area 1		
Approximate A	rea =	5226.00	sq. ft.
Average Satura	tion (or depth) of spill =	0.25	inches
Average Porosi	ty Factor =	0.03	
	VOLUME OF LEAK		
Total Crude Oil	=	0.00	bbls
Total Produced	Water =	1.58	bbls
	Area 2		
Approximate A	rea =	3254.00	sq. ft.
Average Satura	tion (or depth) of spill =	1.00	inches
Average Porosi	ty Factor =	0.15	
	VOLUME OF LEAK		
Total Crude Oil	=	0.00	bbls
Total Produced	Water =	7.24	bbls

TOTAL VOLUME OF LEAK		
Total Crude Oil =	0.00	bbls
Total Produced Water = 8.82 bbls		
TOTAL VOLUME RECOVERED		
Total Crude Oil =	0.00	bbls
Total Produced Water =	0.00	bbls

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

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

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

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

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

CONDITIONS

Action 169627

CONDITIONS

Operator:	OGRID:
XTO ENERGY, INC	5380
6401 Holiday Hill Road	Action Number:
Midland, TX 79707	169627
	Action Type:
	[C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jharimon	None	12/22/2022

State of New Mexico

Incident ID	NAPP2235646436
District RP	
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Application ID	

Site Assessment/Characterization

 $This information \ must be provided \ to \ the \ appropriate \ district \ of fice \ no \ later \ than \ 90 \ days \ after \ the \ release \ discovery \ date.$

What is the shallowest depth to groundwater beneath the area affected by the release?	<u>>100</u> (ft bgs)						
Did this release impact groundwater or surface water?	☐ Yes ⊠ No						
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ⊠ No						
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	☐ Yes ⊠ No						
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ⊠ No						
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes ⊠ No						
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ⊠ No						
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?							
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ⊠ No						
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ⊠ No						
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ⊠ No						
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ⊠ No						
Did the release impact areas not on an exploration, development, production, or storage site?	☐ Yes ⊠ No						
Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and ver contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.	tical extents of soil						
Characterization Report Checklist: Each of the following items must be included in the report.							
 Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring well Field data Data table of soil contaminant concentration data Depth to water determination Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release Boring or excavation logs Photographs including date and GIS information Topographic/Aerial maps Laboratory data including chain of custody 	ls.						

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

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Application ID

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Incident ID	NAPP2235646436
District RP	
Facility ID	
Application ID	

Closure

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

Closure Report Attachment Checklist: Each of the following items must be included in the closure report.

A scaled site and sampling diagram as described in 19.15.29.	11 NMAC
Photographs of the remediated site prior to backfill or photo must be notified 2 days prior to liner inspection)	s of the liner integrity if applicable (Note: appropriate OCD District office
☐ Laboratory analyses of final sampling (Note: appropriate OD	C District office must be notified 2 days prior to final sampling)
Description of remediation activities	
and regulations all operators are required to report and/or file certa may endanger public health or the environment. The acceptance of should their operations have failed to adequately investigate and rehuman health or the environment. In addition, OCD acceptance of compliance with any other federal, state, or local laws and/or regularestore, reclaim, and re-vegetate the impacted surface area to the caccordance with 19.15.29.13 NMAC including notification to the Orinted Name: _Garrett Green	ations. The responsible party acknowledges they must substantially onditions that existed prior to the release or their final land use in
Signature: Satt Sur	Date:3/15/2023
email:garrett.green@exxonmobil.com	Telephone:575-200-0729
OCD Only	
OCD Only Received by: Jocelyn Harimon	Date:03/20/2023
	y of liability should their operations have failed to adequately investigate and water, human health, or the environment nor does not relieve the responsible for regulations.
Closure Approved by:	Date:
Printed Name:	Title:



March 15, 2023

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

Re: Closure Request

PLU C 2 Recycle Facility

Incident Number NAPP2235646436

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 assessment and soil sampling activities performed at the PLU C 2 Recycle Facility (Site). The purpose of the Site assessment and soil sampling activities was to assess for the presence or absence of impacts to soil resulting from a produced water release. Based on Site assessment activities and soil sample laboratory analytical results, XTO is submitting this *Closure Request*, describing remediation activities that have occurred and requesting no further action for Incident Number NAPP2235646436.

SITE DESCRIPTION AND RELEASE SUMMARY

The Site is located in Unit A, Section 11, Township 25 South, Range 30 East, in Eddy County, New Mexico (32.14932°, -103.84715°) and is associated with oil and gas exploration and production operations on Federal Land managed by Bureau of Land Management (BLM).

On December 20, 2022, a valve was improperly positioned during a produced water transfer operation, causing the release of approximately 8.82 barrels (bbls) of produced water onto the ground surface of the facility pad. No fluids were recovered. XTO reported the release to the New Mexico Oil Conservation Division (NMOCD) on a Release Notification Form C-141 (Form C-141) on December 22, 2022. The release was assigned Incident Number NAPP2235646436.

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.

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 nearest groundwater well with depth to groundwater data is United States Geological Suvery (USGS) well USGS 320856103502801 located approximately 0.32 miles east of the Site. The groundwater well has a reported depth to groundwater of 391 feet bgs and a total depth of 482 feet bgs. The most recent depth to groundwater data was collected on January 28, 1998, which slightly exceeds the NMOCD-preference for the depth to water measurement to have occurred within the last 25 years. However, this water well has a historic record, which can be more useful than one data point measured during installation of the well. The well record indicates that depth

Ensolum, LLC | Environmental, Engineering & Hydrogeologic Consultants 3122 National Parks Highway | Carlsbad, New Mexico 88220 | ensolum.com

XTO Energy, Inc Closure Request PLU C 2 Recycle Facility

to groundwater did not fluctuate more than 1.2 feet over a period of 39 years. The deep occurrence (391 feet bgs) and historical record only minor fluctuation in groundwater elevation suggest it is highly unlikely that depth to water in this area would have risen to less than 100 feet during more recent years. Ground surface elevation at the groundwater well location is 3,371 feet above mean sea level (amsl), which is approximately 3 feet higher in elevation than the Site. Ensolum requests NMOCD consider the historical record as evidence of deep groundwater. All wells used for depth to water determination are depicted on Figure 1 and the referenced well records are included in Appendix A.

The closest continuously flowing or significant watercourse to the Site is a freshwater emergent wetland, located approximately 1,514 feet north of the Site. The Site is greater than 200 feet from a lakebed, sinkhole, or playa lake, and greater than 300 feet from an occupied residence, school, hospital, institution, church, or wetland. The Site is greater than 1,000 feet to a freshwater well or spring and is not within a 100-year floodplain or overlying a subsurface mine. The Site is not underlain by unstable geology (low potential karst designation area). All Site receptors are identified on Figure 1.

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

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

SITE ASSESSMENT AND DELINEATION ACTIVITIES

On January 10, 2023, Site assessment activities were conducted by Ensolum to evaluate the release extent based on information provided on the Form C-141 and visual observations. Ten delineation soil samples (SS01 through SS10) were collected within and around the release extent at a depth of 0.5 feet bgs. Delineation soil samples SS01 through SS07 were collected within the release extent and samples SS08 through SS10 were collected around the release extent to determine lateral definition of the release. Lateral definition south of the release is defined by the location of two recycle facility ponds. The delineation soil samples were field screened for volatile organic compounds (VOCs) utilizing a calibrated photoionization detector (PID) and chloride using Hach® chloride QuanTab® test strips. The release extent and soil sample locations were mapped utilizing a handheld Global Positioning System (GPS) unit and are depicted on Figure 2.

The soil samples were placed directly into pre-cleaned glass jars, labeled with the location, date, time, sampler name, method of analysis, and immediately placed on ice. The soil samples were transported under strict chain-of-custody procedures to Eurofins Laboratories (Eurofins) in Carlsbad, New Mexico, for analysis of the following constituents of concern (COC): BTEX following United States Environmental Protection Agency (EPA) Method 8021B; TPH-GRO, TPH-DRO, and TPH-oil range organics (ORO) following EPA Method 8015M/D; and chloride following EPA Method 300.0. Soil samples delivered to the laboratory the same day they were collected may not have equilabrated to 6 degrees Celcius required for shipment and long term storage, but are considered to have been received in acceptable condition by the laboratory.

On February 2, 2023, Ensolum personnel returned to the Site to complete additional delineation activities. Seven boreholes (PH01 through PH07) were advanced via hand auger to assess the vertical

ENSOLUM

XTO Energy, Inc Closure Request PLU C 2 Recycle Facility

extent of the release. Boreholes PH01 through PH07 were advanced in the vicinity of SS01 through SS07, respectively. Discrete delineation soil samples were collected from each borehole at depths ranging from 1-foot bgs to 3 feet bgs. Field screening results and observations for the boreholes were logged on lithologic/soil sampling logs and are included in Appendix B. The delineation soil samples were handled and analyzed as described above. Photographic documentation was conducted during the Site visit and a photographic log is included in Appendix C.

LABORATORY ANALYTICAL RESULTS

Laboratory analytical results indicated COC concentrations for all delineation soil samples were in compliance with the Closure Criteria. Additionally, laboratory analytical results for all lateral soil samples collected and soil samples collected at the terminal depth of each borehole, indicate COC concentrations were in compliance with the most stringent Table I Closure Criteria. Laboratory analytical results are summarized in Table 1 and the complete laboratory analytical reports are included in Appendix D.

CLOSURE REQUEST

Site assessment and delineation activities were conducted at the Site to assess for the presence or absence of impacted soil resulting from the December 20, 2022 release of produced water. Laboratory analytical results for all delineation soil samples indicated COC concentrations were compliant with the Closure Criteria. Additionally, laboratory analytical results for all lateral soil samples collected and soil samples collected at the terminal depth of each borehole, meet the most stringent Table I Closure Criteria, which provides full definition of the release and confirms the release was contained on the facility pad.

Depth to groundwater has been estimated to be greater than 100 feet bgs and no other sensitive receptors were identified near the release extent. Based on laboratory analytical results compliant with Closure Criteria, no further remediation was required. As such, XTO respectfully requests closure for Incident Number NAPP2235646436.

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

ashley L. ager

Principal

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

Sincerely, **Ensolum**, **LLC**

Benjamin J. Belill Project Geologist

cc: Garrett Green, XTO

Shelby Pennington, XTO

BLM

Appendices:

Figure 1 Site Receptor Map

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



XTO Energy, Inc Closure Request PLU C 2 Recycle Facility

Appendix B Appendix C Appendix D Lithologic Soil Sampling Logs

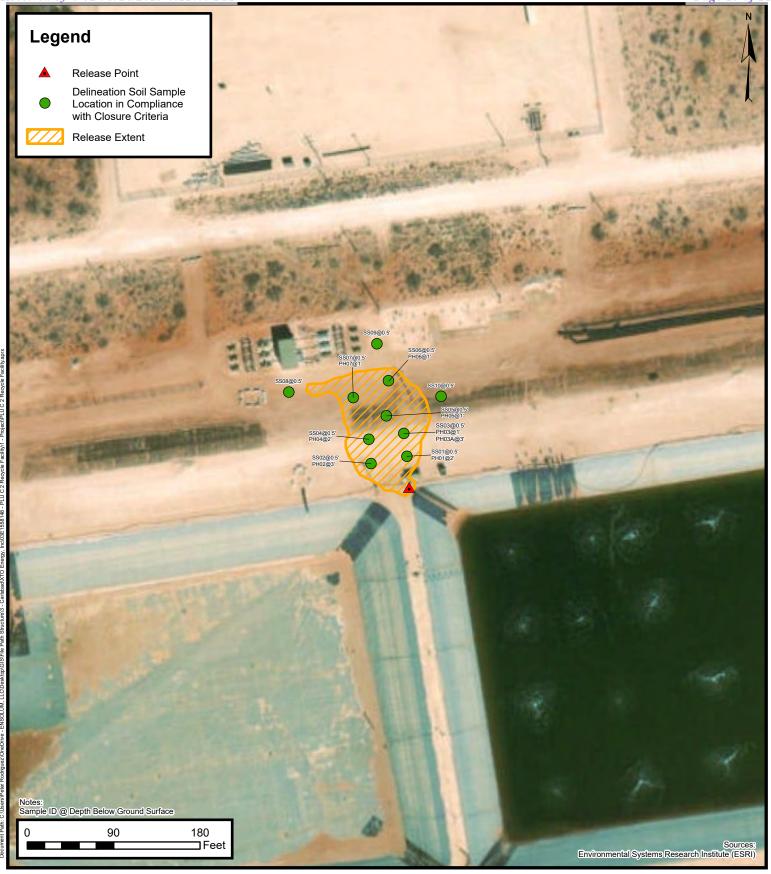
Photographic Log
Laboratory Analytical Reports & Chain-of-Custody Documentation

Appendix E NMOCD Notifications





FIGURES





Delineation Soil Sample Locations

XTO Energy, Inc PLU C 2 Recycle Facility

Incident Number: NAPP2235646436

Unit A Sec 11 T25S R30E Eddy County, New Mexico

FIGURE 2



TABLES



TABLE 1 SOIL SAMPLE ANALYTICAL RESULTS PLU C 2 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 (l	NMAC 19.15.29)	10	50	NE	NE	NE	1,000	2,500	20,000
				Delir	neation Soil Sa	mples				
SS01	01/10/2023	0.5	<0.00202	<0.00403	<49.9	<49.9	<49.9	<49.9	<49.9	221
PH01	02/02/2023	2	<0.00201	<0.00402	<49.7	<49.7	<49.7	<49.7	<49.7	160
SS02	01/10/2023	0.5	<0.00200	<0.00401	<50.0	<50.0	<50.0	<50.0	<50.0	1,870
PH02	02/02/2023	3	< 0.00200	<0.00401	<50.0	<50.0	<50.0	<50.0	<50.0	136
SS03	01/10/2023	0.5	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	<49.9	329
PH03	02/02/2023	1	< 0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	<49.9	930
PH03A	02/02/2023	3	< 0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	126
SS04	01/10/2023	0.5	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	<49.8	709
PH04	02/02/2023	2	< 0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	<49.9	108
SS05	01/10/2023	0.5	<0.00200	< 0.00399	<50.0	<50.0	<50.0	<50.0	<50.0	214
PH05	02/02/2023	1	< 0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	<49.9	6.46
SS06	01/10/2023	0.5	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	7,960
PH06	02/02/2023	1	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	<49.9	59.4
SS07	01/10/2023	0.5	< 0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	<49.9	148
PH07	02/02/2023	1	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	<50.0	22.1
SS08	01/10/2023	0.5	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	<49.9	66.8
SS09	01/10/2023	0.5	<0.00200	<0.00401	<49.9	<49.9	<49.9	<49.9	<49.9	51.7
SS10	01/10/2023	0.5	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	49.9

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

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

NMAC: New Mexico Administrative Code

Ensolum 1 of 1



APPENDIX A

Referenced Well Records



USGS Home Contact USGS Search USGS

National Water Information System: Web Interface

USGS Water Resources

Data Category:		Geographic Area:		
Groundwater	~	United States	~	GO

Click to hideNews Bulletins

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

Groundwater levels for the Nation

Important: Next Generation Monitoring Location Page

Search Results -- 1 sites found

Agency code = usgs site_no list =

• 320856103502801

Minimum number of levels = 1

Save file of selected sites to local disk for future upload

USGS 320856103502801 25S.30E.12.113211

Eddy County, New Mexico

Latitude 32°08'56", Longitude 103°50'28" NAD27

Land-surface elevation 3,371 feet above NAVD88

The depth of the well is 482 feet below land surface.

This well is completed in the Pecos River Basin alluvial aquifer (N100PCSRVR) national aquifer.

This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

Output formats

Table of data										
Tab-separated data										
Graph of data	Graph of data									
Reselect period										
	?		Water	Water						
		?	level,	level,			?	?	?	

Date	Time	? Water- level date- time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source measure
1959-03-25		D	62610		2978.00	NGVD29	1	Z		
1959-03-25		D	62611		2979.70	NAVD88	1	Z		
1959-03-25		D	72019	391.30			1	Z		
1983-01-31		D	62610		2979.00	NGVD29	1	Z		
1983-01-31		D	62611		2980.70	NAVD88	1	Z		
1983-01-31		D	72019	390.30			1	Z		
1987-10-20		D	62610		2978.89	NGVD29	1	Z		
1987-10-20		D	62611		2980.59	NAVD88	1	Z		
1987-10-20		D	72019	390.41			1	Z		
1992-11-06		D	62610		2978.89	NGVD29	1	S		
1992-11-06		D	62611		2980.59	NAVD88	1	S		
1992-11-06		D	72019	390.41			1	S		
1998-01-28		D	62610		2979.22	NGVD29	1	S		
1998-01-28		D	62611		2980.92	NAVD88	1	S		
1998-01-28		D	72019	390.08			1	S		

Evn	lanation
LAP	anation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	1	Static
Method of measurement	S	Steel-tape measurement.
Method of measurement	Z	Other.
Measuring agency		Not determined
Source of measurement		Not determined
Water-level approval status	А	Approved for publication Processing and review completed.

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

Accessibility FOIA Policies and Notices Privacy

U.S. Department of the Interior | U.S. Geological Survey
Title: Groundwater for USA: Water Levels

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

Page Contact Information: <u>USGS Water Data Support Team</u> Page Last Modified: 2023-01-23 10:25:31 EST

0.27 0.23 nadww02





APPENDIX B

Lithologic Soil Sampling Logs

								Sample Name: PH01	Date: 2/2/2023	
	7		AI	C			R.A	Site Name: PLU C 2 Recycle Fa	acility	
			V	3	OI	_ U	IV	Incident Number: nAPP22356		
							Job Number: 03C1558148			
		LITHOL	OGI	C / SOIL S	SAMPLING	LOG		Logged By: CB	Method: Hand Auger	
Coord	inates: 32	2.149320	, -103	.847150				Hole Diameter: 3.5"	Total Depth: 2'	
								PID for chloride and vapor, reson factor included on all chlori		
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol		Descriptions	
М	526	0.3	N	SS01	0.5 <u>-</u>	[0 - -	CCHE	0-1', CALICHE, moist, lig grained brown sand, u stain, no odor.	ht brown-tan, some fine unconsolidated fill, no	
М	526	0.2	N	PH01	1 _	1	SP	1'-2', SAND, moist, brow graded, fine grained,	n-reddish brown, poorly no stain, no odor.	
М	<158	0.2	N	PH01	2 -	_ 2				
						-	TD	Total depth at 2 feet bg:	S.	
					_	_				
					_	_ 3				
					<u>-</u>	_				
					-	4				
						_				
					_	_				
					<u>-</u>	5				
					-	-				
					_	-				
					_	_ 6				
					_	_				
					<u>-</u>	7				
					_	-				
					_	_				
					_	_ 8				
					_	_				
					_	9				
						-				
					-	-				
					_	10				
					-	_				
						11				
						- ⁺⁺				
					<u> </u>	-				
					-	- 12				

								Sample Name: PH02 Date: 2/2/2023
	7		A I					Site Name: PLU C 2 Recycle Facility
			V	3	U	_ U	V	Incident Number: nAPP2235646436
						Job Number: 03C1558148		
		LITHOL	OGI	C / SOIL S	SAMPLING	Logged By: CB Method: Hand Auger		
Coord	inates: 32	2.149381	, -103	.847208				Hole Diameter: 3.5" Total Depth: 3'
								PID for chloride and vapor, respectively. Chloride test on factor included on all chloride field screenings.
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
М	1,930	0.3	N	SS02	0.5 <u>-</u>	0	CCHE	0-1', CALICHE, moist, light brown-tan, some fine grained brown sand, unconsolidated fill, no stain, no odor.
М	868	0.2	N		1 _	1	SP	1'-3', SAND, moist, brown-reddish brown, poorly graded, fine grained, no stain, no odor.
М	717	0.2	N		2 _	2		
М	<158	0.2	N	PH02	3 _	3	TD	Total depth at 3 feet bgs.
					- - -	4		
					- - -	- - - 5		
					- - -	6		
					- - -	7		
					- - -	8		
					- - -	9		
					- - -	10		
					- -	11		
					<u>-</u> -	12		

								Sample Name: PH03	Date: 2/2/2023
	7		N	6		U		Site Name: PLU C 2 Recycle Faci	
			V	3	U	_ U	V	Incident Number: nAPP2235646	
								Job Number: 03C1558148	
		LITHOL	OGI	C / SOIL S	AMPLING	Logged By: CB	Method: Hand Auger		
Coord	inates: 32	2.149465	, -103	.847088				Hole Diameter: 3.5"	Total Depth: 3'
								PID for chloride and vapor, responding for chloride on all chloride on the chl	
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic D	
М	220	0.3	N	SS03	0.5 _	[0 - -	CCHE	0-1', CALICHE, moist, light grained brown sand, un stain, no odor.	brown-tan, some fine consolidated fill, no
М	1,126	0.2	N	PH03	1 _	1	SP	1'-3', SAND, moist, brown graded, fine grained, no	-reddish brown, poorly o stain, no odor.
М	582	0.2	N		2 _	2			
М	<158	0.1	N	PH03A	3 _	3	TD	Total depth at 3 feet bgs.	
					- - -	4			
					- - -	- - - 5			
					<u>-</u> -	- - 6			
					- - -	- - 7			
					- - -	_ _ 8			
					- - -	9			
					-	10			
					- - - -	11			
					_	12			

								Sample Name: PH04	Date: 2/2/2023
1	7							Site Name: PLU C 2 Recycle Faci	
			N	5	OL	_ U	V	Incident Number: nAPP2235646	
						Job Number: 03C1558148			
		LITHOI	OGIO	C / SOIL S	SAMPLING	Logged By: CB	Method: Hand Auger		
Coordi		2.149458,			, <u></u>	Hole Diameter: 3.5"	Total Depth: 2'		
Comm	ents: Fie	ld screen	ing co	nducted w				PID for chloride and vapor, respo on factor included on all chloride	ectively. Chloride test
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic D	escriptions
М	806	0.3	N	SS04	0.5 <u> </u>	0 -	CCHE	0-1', CALICHE, moist, light grained brown sand, un stain, no odor.	brown-tan, some fine consolidated fill, no
М	582	0.2	N		1 _	1	SP	1'-2', SAND, moist, brown graded, fine grained, no	-reddish brown, poorly o stain, no odor.
М	<158	0.2	N	PH04	2	2			
101	130	0.2	14	11104			TD	Total depth at 2 feet bgs.	
					_	_			
					- 1	_ 3			
					-	-			
						-			
					_	4			
					_	-			
					=	5			
					-	-			
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]	-			
						- 			
					-	11			
						-			
					-	12			

								Sample Name: PH05	Date: 2/2/2023
1	7							Site Name: PLU C 2 Recycle Facil	
			N	3	OL	J	V	Incident Number: nAPP2235646	
						Job Number: 03C1558148			
		LITHOI	OGIO	C / SOIL S	SAMPLING	Logged By: CB	Method: Hand Auger		
Coord		2.149524			, <u>-</u>	Hole Diameter: 3.5"	Total Depth: 1'		
Comm	ents: Fie	ld screen	ing co	nducted w				PID for chloride and vapor, respe on factor included on all chloride	ectively. Chloride test
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic D	·
М	329	0.3	N	SS05	0.5 <u> </u>	0 -	CCHE	0-1', CALICHE, moist, light grained brown sand, un stain, no odor.	brown-tan, some fine consolidated fill, no
М	<158	0.2	N	PH05	1 _	_ 1			
					-	-	TD	Total depth at 1 foot bgs.	
					_	_			
					_	_ 2			
					_	- -			
					-	3			
					_	-			
					_	_			
					_	_ 4			
					_	-			
					-	5			
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1					<u>-</u>	7			
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					-	9			
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					_	_			
						10			
					-	_			
						11			
					_	11			
					-	_			
					-	12			

								Sample Name: PH06	Date: 2/2/2023
1	7							Site Name: PLU C 2 Recycle Faci	
			N	3	OL	_ U	V	Incident Number: nAPP2235646	
						Job Number: 03C1558148			
1		LITHOI	OGI	C / SOIL S	SAMPLING	Logged By: CB	Method: Hand Auger		
Coord		2.149617			, <u>-</u>	Hole Diameter: 3.5"	Total Depth: 1'		
Comm	ents: Fie	ld screen	ing co	nducted w				PID for chloride and vapor, respo on factor included on all chloride	ectively. Chloride test
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic D	·
М	8,240	0.3	Ν	SS06	0.5 <u>-</u>	<u> </u>	CCHE	0-1', CALICHE, moist, light grained brown sand, un stain, no odor.	brown-tan, some fine consolidated fill, no
М	<158	0.2	N	PH06	1 _	_ 1			
						-	TD	Total depth at 1 foot bgs.	
					Ţ	-			
					_	_ 2			
					_	_			
					-	3			
					-	_			
					_	-			
					_	_ 4			
					_	_			
					-	_ 5			
					-	-			
						-			
					_	_ 6			
					_	-			
					<u>-</u>	7			
					-	_			
					-	-			
					_	8			
					_	-			
					_	9			
					_	_			
					-	40			
					_	10			
					_	_			
					_	11			
						_			
					-	-			
						12			

								Sample Name: PH07	Date: 2/2/2023
1	7							Site Name: PLU C 2 Recycle Fa	
			N	3	U	U	V	Incident Number: nAPP22356	
								Job Number: 03C1558148	· · · ·
╂		LITHOI	OGI	C / SOIL S	SAMPLING	Logged By: CB	Method: Hand Auger		
Coord		2.149572			, <u>-</u>		Hole Diameter: 3.5"	Total Depth: 1'	
					ith HACH Ch	loride Test S		PID for chloride and vapor, re	*
perfor	med with	h 1:4 dilut	tion fa	actor of soi	l to distilled	water. A 409	% correcti	on factor included on all chlor	ide field screenings.
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	-	: Descriptions
М	<158	0.3	N	SS06	0.5 <u>-</u>	<u> </u>	CCHE	0-1', CALICHE, moist, lig grained brown sand, stain, no odor.	tht brown-tan, some fine unconsolidated fill, no
М	<158	0.2	N	PH06	1 _	_ 1			
					-	-	TD	Total depth at 1 foot bg	S.
					_	-			
					_	2			
					_	-			
					<u> </u>	3			
					-	-			
						-			
					_	4			
					_	-			
					<u> </u>	_ 5			
					-	-			
					_	-			
					<u> </u>	_ 6			
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					<u>-</u>	7			
					-	-			
					_	-			
					<u> </u>	8			
					_	-			
					<u>-</u>	9			
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					_	- -			
					_	10			
					<u>-</u>	<u> </u>			
					-	11			
					_				
					-	<u> </u>			
						12			



APPENDIX C

Photographic Log



Photographic Log XTO Energy, Inc PLU C 2 Recycle Facility NAPP2235646436





Photograph 1 Date: 1/10/2023 Description: Site assessment, release extent area.

View: Southeast

Photograph 2 Date: 1/10/2023 Description: Site assessment, release extent area. View: Northeast





Photograph 3 Date: 1/10/2023 Description: Site assessment, release extent area.

View: North

Photograph 4 Date: 2/2/2023 Description: Delineation activities, SS01/PH01.

View: West



APPENDIX D

Laboratory Analytical Reports & Chain of Custody Documentation

Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Ben Belill

Ensolum

601 N. Marienfeld St.

Suite 400

Midland, Texas 79701

Generated 1/16/2023 6:26:07 PM

JOB DESCRIPTION

PLU PC 2 SDG NUMBER 03C1558148

JOB NUMBER

890-3823-1

Eurofins Carlsbad 1089 N Canal St. Carlsbad NM 88220

Eurofins Carlsbad

Job Notes

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

Generated 1/16/2023 6:26:07 PM

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

Client: Ensolum
Project/Site: PLU PC 2
Laboratory Job ID: 890-3823-1
SDG: 03C1558148

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Definitions/Glossary

Job ID: 890-3823-1 Client: Ensolum Project/Site: PLU PC 2 SDG: 03C1558148

Qualifiers

GC VOA

Qualifier **Qualifier Description**

Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier Description

F1 MS and/or MSD recovery exceeds control limits.

F2 MS/MSD RPD exceeds control limits

S1+ Surrogate recovery exceeds control limits, high biased. Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier **Qualifier Description**

Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
n	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

DFR 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

Decision Level Concentration (Radiochemistry) DLC

EDL Estimated Detection Limit (Dioxin) LOD Limit of Detection (DoD/DOE) LOQ Limit of Quantitation (DoD/DOE)

EPA recommended "Maximum Contaminant Level" MCL MDA Minimum Detectable Activity (Radiochemistry) MDC Minimum Detectable Concentration (Radiochemistry)

Method Detection Limit MDL 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

Toxicity Equivalent Factor (Dioxin) TEF Toxicity Equivalent Quotient (Dioxin) TEQ

TNTC Too Numerous To Count

Eurofins Carlsbad

Case Narrative

 Client: Ensolum
 Job ID: 890-3823-1

 Project/Site: PLU PC 2
 SDG: 03C1558148

Job ID: 890-3823-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative 890-3823-1

Receipt

The samples were received on 1/11/2023 10:55 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.2°C

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: SS01 (890-3823-1), SS02 (890-3823-2), SS03 (890-3823-3), SS04 (890-3823-4), SS05 (890-3823-5), SS06 (890-3823-6) and SS07 (890-3823-7).

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: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-43837 and analytical batch 880-43854 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 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (LCS 880-43837/2-A), (LCSD 880-43837/3-A) and (MB 880-43837/1-A). Evidence of matrix interferences is not obvious.

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

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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1 2

Client: Ensolum Job ID: 890-3823-1 Project/Site: PLU PC 2 SDG: 03C1558148

Client Sample ID: SS01

Lab Sample ID: 890-3823-1 Date Collected: 01/10/23 11:45 Matrix: Solid Date Received: 01/11/23 10:55

Sample Depth: 0.5

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	mg/Kg		01/12/23 14:58	01/14/23 12:23	1
Toluene	<0.00202	U	0.00202	mg/Kg		01/12/23 14:58	01/14/23 12:23	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		01/12/23 14:58	01/14/23 12:23	1
m-Xylene & p-Xylene	<0.00403	U	0.00403	mg/Kg		01/12/23 14:58	01/14/23 12:23	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		01/12/23 14:58	01/14/23 12:23	1
Xylenes, Total	<0.00403	U	0.00403	mg/Kg		01/12/23 14:58	01/14/23 12:23	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)			70 - 130			01/12/23 14:58	01/14/23 12:23	1
1,4-Difluorobenzene (Surr)	104		70 - 130			01/12/23 14:58	01/14/23 12:23	1
Method: TAL SOP Total BTEX -	Total BTEX Cald	culation						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403	mg/Kg			01/16/23 17:00	1
Method: SW846 8015 NM - Diese	• •		•	IIiA	_	Downson	Austral	D:: 5
	• •	ics (DRO) (Qualifier	GC)	Unit	D	Prepared	Analyzed	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH	• •	Qualifier	•	Unit mg/Kg	<u>D</u>	Prepared	Analyzed 01/16/23 16:35	
Analyte Total TPH	Result <49.9	Qualifier U	RL 49.9		<u>D</u>	Prepared		Dil Fac
Analyte	Result <49.9 sel Range Orga	Qualifier U	RL 49.9		<u>D</u>	Prepared Prepared		1
Analyte Total TPH Method: SW846 8015B NM - Die	Result <49.9 sel Range Orga	Qualifier Unics (DRO) Qualifier	RL 49.9 (GC)	mg/Kg	_ =		01/16/23 16:35	1 Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Die: Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result <49.9 sel Range Orga Result	Qualifier U nics (DRO) Qualifier U	RL 49.9 (GC)	mg/Kg	_ =	Prepared	01/16/23 16:35 Analyzed	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Die: Analyte Gasoline Range Organics (GRO)-C6-C10	Result <49.9 Sel Range Orga Result <49.9	Qualifier U nics (DRO) Qualifier U	RL 49.9 (GC) RL 49.9	mg/Kg Unit mg/Kg	_ =	Prepared 01/12/23 15:11	01/16/23 16:35 Analyzed 01/14/23 00:35	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Die: Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result <49.9	Qualifier U nics (DRO) Qualifier U U	RL 49.9 (GC) RL 49.9 49.9	mg/Kg Unit mg/Kg mg/Kg	_ =	Prepared 01/12/23 15:11 01/12/23 15:11	01/16/23 16:35 Analyzed 01/14/23 00:35 01/14/23 00:35	Dil Fac
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 <49.9	Qualifier U nics (DRO) Qualifier U U	RL 49.9 (GC) RL 49.9 49.9	mg/Kg Unit mg/Kg mg/Kg	_ =	Prepared 01/12/23 15:11 01/12/23 15:11 01/12/23 15:11	01/16/23 16:35 Analyzed 01/14/23 00:35 01/14/23 00:35	Dil Face 1 1 1 Dil Face
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	Qualifier U nics (DRO) Qualifier U U	RL 49.9 (GC) RL 49.9 49.9 49.9	mg/Kg Unit mg/Kg mg/Kg	_ =	Prepared 01/12/23 15:11 01/12/23 15:11 01/12/23 15:11 Prepared	Analyzed 01/14/23 00:35 01/14/23 00:35 01/14/23 00:35 Analyzed	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Surrogate 1-Chlorooctane	Result <49.9	Qualifier U nics (DRO) Qualifier U U Qualifier	RL 49.9 (GC) RL 49.9 49.9 49.9 Limits 70 - 130 70 - 130	mg/Kg Unit mg/Kg mg/Kg	_ =	Prepared 01/12/23 15:11 01/12/23 15:11 01/12/23 15:11 Prepared 01/12/23 15:11	01/16/23 16:35 Analyzed 01/14/23 00:35 01/14/23 00:35 Analyzed 01/14/23 00:35	
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	Result <49.9	Qualifier U nics (DRO) Qualifier U U Qualifier	RL 49.9 (GC) RL 49.9 49.9 49.9 Limits 70 - 130 70 - 130	mg/Kg Unit mg/Kg mg/Kg	_ =	Prepared 01/12/23 15:11 01/12/23 15:11 01/12/23 15:11 Prepared 01/12/23 15:11	01/16/23 16:35 Analyzed 01/14/23 00:35 01/14/23 00:35 Analyzed 01/14/23 00:35	Dil Fac

Client Sample ID: SS02 Lab Sample ID: 890-3823-2

Date Collected: 01/10/23 11:55 Date Received: 01/11/23 10:55

Released to Imaging: 7/27/2023 2:52:59 PM

Sample Depth: 0.5

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		01/12/23 14:58	01/14/23 12:44	1
Toluene	<0.00200	U	0.00200	mg/Kg		01/12/23 14:58	01/14/23 12:44	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		01/12/23 14:58	01/14/23 12:44	1
m-Xylene & p-Xylene	<0.00401	U	0.00401	mg/Kg		01/12/23 14:58	01/14/23 12:44	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		01/12/23 14:58	01/14/23 12:44	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		01/12/23 14:58	01/14/23 12:44	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)			70 - 130			01/12/23 14:58	01/14/23 12:44	1

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Matrix: Solid

 Client: Ensolum
 Job ID: 890-3823-1

 Project/Site: PLU PC 2
 SDG: 03C1558148

Client Sample ID: SS02 Lab Sample ID: 890-3823-2

Date Collected: 01/10/23 11:55

Date Received: 01/11/23 10:55

Matrix: Solid

Sample Depth: 0.5

Method: SW846 8021B - Volatile Organic (Compounds (GC) (Continued)
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Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	103	70 - 130	01/12/23 14:58	01/14/23 12:44	1

Method: TAI	SOP Total BTEX	- Total BTFX	Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401	ma/Ka			01/16/23 17:00	1

Method:	SW846	8015 NI	M - Dies	ol Range	Organics	(DRO)	(GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	ma/Ka			01/16/23 16:35	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		01/12/23 15:11	01/14/23 00:56	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		01/12/23 15:11	01/14/23 00:56	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		01/12/23 15:11	01/14/23 00:56	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	111		70 - 130	01/12/23 15:11	01/14/23 00:56	1
o-Terphenyl	113		70 - 130	01/12/23 15:11	01/14/23 00:56	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result Qua	alifier RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1870	25.1	mg/Kg			01/14/23 04:22	5

Client Sample ID: SS03 Lab Sample ID: 890-3823-3

Date Collected: 01/10/23 12:05 Date Received: 01/11/23 10:55

Sample Depth: 0.5

ı	Method: SW846 8021B	Valatila Ossasia	O = (OO)

Organio Comp	ourius (SS)	,					
Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
<0.00199	U	0.00199	mg/Kg		01/12/23 14:58	01/14/23 13:04	1
<0.00199	U	0.00199	mg/Kg		01/12/23 14:58	01/14/23 13:04	1
<0.00199	U	0.00199	mg/Kg		01/12/23 14:58	01/14/23 13:04	1
<0.00398	U	0.00398	mg/Kg		01/12/23 14:58	01/14/23 13:04	1
<0.00199	U	0.00199	mg/Kg		01/12/23 14:58	01/14/23 13:04	1
<0.00398	U	0.00398	mg/Kg		01/12/23 14:58	01/14/23 13:04	1
%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
		70 - 130			01/12/23 14:58	01/14/23 13:04	1
	Result <0.00199 <0.00199 <0.00398 <0.00398 <0.00398 <0.00398	Result Qualifier	<0.00199	Result Qualifier RL Unit <0.00199	Result Qualifier RL Unit D <0.00199	Result Qualifier RL Unit D Prepared <0.00199	Result Qualifier RL Unit D Prepared Analyzed <0.00199

4-Bromofluorobenzene (Surr)	116	 70 - 130	01/12/23 14:58	01/14/23 13:04	1
1,4-Difluorobenzene (Surr)	105	70 - 130	01/12/23 14:58	01/14/23 13:04	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			01/16/23 17:00	1

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			01/16/23 16:35	1

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6

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4.0

111

13

14

Matrix: Solid

Client: Ensolum Job ID: 890-3823-1 Project/Site: PLU PC 2 SDG: 03C1558148

Client Sample ID: SS03 Lab Sample ID: 890-3823-3 Date Collected: 01/10/23 12:05

Matrix: Solid

Date Received: 01/11/23 10:55 Sample Depth: 0.5

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		01/12/23 15:11	01/14/23 01:40	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		01/12/23 15:11	01/14/23 01:40	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		01/12/23 15:11	01/14/23 01:40	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	96		70 - 130			01/12/23 15:11	01/14/23 01:40	1
o-Terphenyl	95		70 - 130			01/12/23 15:11	01/14/23 01:40	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble Analyte Result Qualifier RL Unit D Prepared Analyzed Dil Fac 4.98 01/14/23 04:28 Chloride 329 mg/Kg

Client Sample ID: SS04 Lab Sample ID: 890-3823-4

Date Collected: 01/10/23 12:15 **Matrix: Solid**

Date Received: 01/11/23 10:55 Sample Depth: 0.5

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		01/12/23 14:58	01/14/23 13:24	1
Toluene	<0.00199	U	0.00199	mg/Kg		01/12/23 14:58	01/14/23 13:24	
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		01/12/23 14:58	01/14/23 13:24	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		01/12/23 14:58	01/14/23 13:24	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		01/12/23 14:58	01/14/23 13:24	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		01/12/23 14:58	01/14/23 13:24	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	120		70 - 130			01/12/23 14:58	01/14/23 13:24	1
1,4-Difluorobenzene (Surr)	106		70 - 130			01/12/23 14:58	01/14/23 13:24	1
Method: TAL SOP Total BTEX - 1	Total BTEX Cald	culation						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			01/16/23 17:00	1
Method: SW846 8015 NM - Diese	l Pango Organ	ice (DPO) ((3C)					
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8		49.8	mg/Kg			01/16/23 16:35	1
-								
Method: SW846 8015B NM - Dies	sel Range Orga	nics (DRO)	(GC)					
		nics (DRO) Qualifier	(GC)	Unit	D	Prepared	Analyzed	Dil Fac
Analyte Gasoline Range Organics		Qualifier	. ,	Unit mg/Kg	<u>D</u>	Prepared 01/12/23 15:11	Analyzed 01/14/23 02:03	
Analyte Gasoline Range Organics (GRO)-C6-C10		Qualifier U	RL 49.8	mg/Kg	<u>D</u>	01/12/23 15:11	01/14/23 02:03	1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result	Qualifier U	RL		<u>D</u>			1
Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36)		Qualifier U	RL 49.8	mg/Kg	<u>D</u>	01/12/23 15:11	01/14/23 02:03	Dil Fac
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result <49.8	Qualifier U U U	49.8 49.8	mg/Kg	<u>D</u>	01/12/23 15:11	01/14/23 02:03	1

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01/14/23 02:03

01/12/23 15:11

70 - 130

103

o-Terphenyl

Client Sample Results

Client: Ensolum Job ID: 890-3823-1 Project/Site: PLU PC 2 SDG: 03C1558148

Client Sample ID: SS04 Lab Sample ID: 890-3823-4

Date Collected: 01/10/23 12:15 Matrix: Solid Date Received: 01/11/23 10:55

Sample Depth: 0.5

Method: MCAWW 300.0 - Anions, lo	n Chromato	graphy - Solu	uble					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	709		4.96	mg/Kg			01/14/23 04:33	1

Client Sample ID: SS05 Lab Sample ID: 890-3823-5

Date Collected: 01/10/23 12:25 Date Received: 01/11/23 10:55

Sample Depth: 0.5

Diesel Range Organics (Over

OII Range Organics (Over C28-C36)

C10-C28)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		01/12/23 14:58	01/14/23 13:45	1
Toluene	<0.00200	U	0.00200	mg/Kg		01/12/23 14:58	01/14/23 13:45	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		01/12/23 14:58	01/14/23 13:45	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		01/12/23 14:58	01/14/23 13:45	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		01/12/23 14:58	01/14/23 13:45	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		01/12/23 14:58	01/14/23 13:45	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)			70 - 130			01/12/23 14:58	01/14/23 13:45	1
1,4-Difluorobenzene (Surr)	101		70 - 130			01/12/23 14:58	01/14/23 13:45	1
			701700			01112120111.00	0	•
Method: TAL SOP Total BTEX Analyte	- Total BTEX Cald	culation Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Method: TAL SOP Total BTEX	- Total BTEX Cald	Qualifier		Unit mg/Kg	<u>D</u>			Dil Fac
Method: TAL SOP Total BTEX Analyte	- Total BTEX Calc Result <0.00399	Qualifier U	RL 0.00399		<u>D</u>		Analyzed	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX	- Total BTEX Calc Result <0.00399 esel Range Organ	Qualifier U	RL 0.00399		<u>D</u>		Analyzed	1
Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die	- Total BTEX Calc Result <0.00399 esel Range Organ	Qualifier U ics (DRO) (C	RL 0.00399	mg/Kg		Prepared	Analyzed 01/16/23 17:00	Dil Fac Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die Analyte Total TPH	- Total BTEX Calc Result <0.00399 esel Range Organ Result <50.0	Qualifier U ics (DRO) (Qualifier U	RL 0.00399 GC) RL 50.0	mg/Kg		Prepared	Analyzed 01/16/23 17:00 Analyzed	1
Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die Analyte	- Total BTEX Calc Result <0.00399 esel Range Organ Result <50.0	Qualifier U ics (DRO) (Qualifier U	RL 0.00399 GC) RL 50.0	mg/Kg		Prepared	Analyzed 01/16/23 17:00 Analyzed	1

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	97	70 - 130	01/12/23 15:11	01/14/23 02:25	1
o-Terphenyl	97	70 - 130	01/12/23 15:11	01/14/23 02:25	1

50.0

50.0

mg/Kg

mg/Kg

01/12/23 15:11

01/12/23 15:11

01/14/23 02:25

01/14/23 02:25

<50.0 U

<50.0 U

Method: MCAWW 300.0 - Anions, Ion	Chromatography -	Soluble					
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	214	5.04	mg/Kg			01/14/23 04:50	1

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Matrix: Solid

Matrix: Solid

Lab Sample ID: 890-3823-6

Client Sample Results

 Client: Ensolum
 Job ID: 890-3823-1

 Project/Site: PLU PC 2
 SDG: 03C1558148

Client Sample ID: SS06

Date Collected: 01/10/23 12:35 Date Received: 01/11/23 10:55

Sample Depth: 0.5

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		01/12/23 14:58	01/14/23 14:05	1
Toluene	< 0.00199	U	0.00199	mg/Kg		01/12/23 14:58	01/14/23 14:05	1
Ethylbenzene	< 0.00199	U	0.00199	mg/Kg		01/12/23 14:58	01/14/23 14:05	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		01/12/23 14:58	01/14/23 14:05	1
o-Xylene	< 0.00199	U	0.00199	mg/Kg		01/12/23 14:58	01/14/23 14:05	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		01/12/23 14:58	01/14/23 14:05	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		70 - 130			01/12/23 14:58	01/14/23 14:05	1
1,4-Difluorobenzene (Surr)	104		70 - 130			01/12/23 14:58	01/14/23 14:05	1
Method: TAL SOP Total BTEX - 1	Total BTEX Cald	culation						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			01/16/23 17:00	1
-								
Method: SW846 8015 NM - Diese Analyte	•	ics (DRO) ((Qualifier	GC)	Unit	D	Prepared	Analyzed	Dil Fac
	•	Qualifier	•	<mark>Unit</mark> mg/Kg	<u>D</u>	Prepared	Analyzed 01/16/23 16:35	
Analyte	Result <50.0	Qualifier U	50.0		<u>D</u>	Prepared		
Analyte Total TPH	Result <50.0 sel Range Orga	Qualifier U	50.0		<u>D</u>	Prepared Prepared		1
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics	Result <50.0 sel Range Orga	Qualifier Unics (DRO) Qualifier	RL 50.0	mg/Kg	_ =		01/16/23 16:35	1 Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte	Result <50.0 sel Range Orga Result	Qualifier U nics (DRO) Qualifier U	RL 50.0 (GC)	mg/Kg	_ =	Prepared	01/16/23 16:35 Analyzed	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result <50.0 sel Range Orga Result <50.0	Qualifier U nics (DRO) Qualifier U	(GC) RL 50.0	mg/Kg Unit mg/Kg	_ =	Prepared 01/12/23 15:11	01/16/23 16:35 Analyzed 01/14/23 02:47	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result <50.0	Qualifier U nics (DRO) Qualifier U U	RL 50.0 (GC) RL 50.0 50.0	mg/Kg Unit mg/Kg mg/Kg	_ =	Prepared 01/12/23 15:11 01/12/23 15:11	01/16/23 16:35 Analyzed 01/14/23 02:47 01/14/23 02:47	1 Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	Result <50.0	Qualifier U nics (DRO) Qualifier U U	RL 50.0 (GC) RL 50.0 50.0	mg/Kg Unit mg/Kg mg/Kg	_ =	Prepared 01/12/23 15:11 01/12/23 15:11 01/12/23 15:11	01/16/23 16:35 Analyzed 01/14/23 02:47 01/14/23 02:47 01/14/23 02:47	1 Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate	Result <50.0	Qualifier U nics (DRO) Qualifier U U	RL 50.0 (GC) RL 50.0 50.0 50.0 Limits	mg/Kg Unit mg/Kg mg/Kg	_ =	Prepared 01/12/23 15:11 01/12/23 15:11 01/12/23 15:11 Prepared	01/16/23 16:35 Analyzed 01/14/23 02:47 01/14/23 02:47 01/14/23 02:47 Analyzed	Dil Fac
Analyte 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	Result	Qualifier U nics (DRO) Qualifier U U Qualifier	RL 50.0 (GC) RL 50.0 50.0 50.0 Limits 70 - 130 70 - 130	mg/Kg Unit mg/Kg mg/Kg	_ =	Prepared 01/12/23 15:11 01/12/23 15:11 01/12/23 15:11 Prepared 01/12/23 15:11	01/16/23 16:35 Analyzed 01/14/23 02:47 01/14/23 02:47 Analyzed 01/14/23 02:47	Dil Fac
Analyte 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 o-Terphenyl	Result	Qualifier U nics (DRO) Qualifier U U Qualifier	RL 50.0 (GC) RL 50.0 50.0 50.0 Limits 70 - 130 70 - 130	mg/Kg Unit mg/Kg mg/Kg	_ =	Prepared 01/12/23 15:11 01/12/23 15:11 01/12/23 15:11 Prepared 01/12/23 15:11	01/16/23 16:35 Analyzed 01/14/23 02:47 01/14/23 02:47 Analyzed 01/14/23 02:47	Dil Fac 1 Dil Fac 1 1 Dil Fac 1 Dil Fac 1 Dil Fac

Client Sample ID: SS07

Date Collected: 01/10/23 12:45 Date Received: 01/11/23 10:55

Sample Depth: 0.5

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		01/12/23 14:58	01/14/23 14:26	1
Toluene	<0.00199	U	0.00199	mg/Kg		01/12/23 14:58	01/14/23 14:26	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		01/12/23 14:58	01/14/23 14:26	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		01/12/23 14:58	01/14/23 14:26	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		01/12/23 14:58	01/14/23 14:26	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		01/12/23 14:58	01/14/23 14:26	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)			70 - 130			01/12/23 14:58	01/14/23 14:26	

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Lab Sample ID: 890-3823-7

2

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Matrix: Solid

Matrix: Solid

Lab Sample ID: 890-3823-7

01/14/23 05:11

Client Sample Results

 Client: Ensolum
 Job ID: 890-3823-1

 Project/Site: PLU PC 2
 SDG: 03C1558148

Client Sample ID: SS07

Date Collected: 01/10/23 12:45 Date Received: 01/11/23 10:55

Chloride

Method: SW846 8021B - Volatile	Organic Comp	ounds (GC)	(Continued)					
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	104		70 - 130			01/12/23 14:58	01/14/23 14:26	1
Method: TAL SOP Total BTEX - 1	Total BTEX Cald	culation						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			01/16/23 17:00	1
Method: SW846 8015 NM - Diese	el Range Organ	ics (DRO) (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			01/16/23 16:35	1
- Method: SW846 8015B NM - Dies	sel Range Orga	nics (DRO)	(GC)					
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		01/12/23 15:11	01/14/23 03:09	1
		H	49.9	mg/Kg		01/12/23 15:11	01/14/23 03:09	4
5 5 ,	<49.9	O	40.0	55				1
C10-C28)	<49.9 <49.9		49.9	mg/Kg		01/12/23 15:11	01/14/23 03:09	1
C10-C28) Oll Range Organics (Over C28-C36)		U				01/12/23 15:11 Prepared	01/14/23 03:09 Analyzed	1 Dil Fac
C10-C28) Oll Range Organics (Over C28-C36) Surrogate	<49.9	U	49.9					1 Dil Fac
Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl	<49.9 %Recovery	U	49.9			Prepared	Analyzed	1 Dil Fac
C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorooctane	<49.9 **Recovery 101 101	U Qualifier	49.9 Limits 70 - 130 70 - 130			Prepared 01/12/23 15:11	Analyzed 01/14/23 03:09	1 Dil Fac 1

5.03

mg/Kg

148

Surrogate Summary

 Client: Ensolum
 Job ID: 890-3823-1

 Project/Site: PLU PC 2
 SDG: 03C1558148

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid Prep Type: Total/NA

				Percent Surrogate Recovery (Acceptance Limits)
		BFB1	DFBZ1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
890-3823-1	SS01	111	104	
890-3823-1 MS	SS01	109	105	
890-3823-1 MSD	SS01	107	105	
890-3823-2	SS02	113	103	
890-3823-3	SS03	116	105	
890-3823-4	SS04	120	106	
890-3823-5	SS05	117	101	
890-3823-6	SS06	119	104	
890-3823-7	SS07	118	104	
LCS 880-43835/1-A	Lab Control Sample	104	103	
LCSD 880-43835/2-A	Lab Control Sample Dup	105	102	
MB 880-43832/5-B	Method Blank	109	99	
MB 880-43835/5-A	Method Blank	108	99	

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid Prep Type: Total/NA

				Percent Surrogate Re
		1CO1	OTPH1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
880-23613-A-1-D MS	Matrix Spike	99	80	
880-23613-A-1-E MSD	Matrix Spike Duplicate	83	75	
390-3823-1	SS01	110	111	
390-3823-2	SS02	111	113	
390-3823-3	SS03	96	95	
390-3823-4	SS04	103	103	
390-3823-5	SS05	97	97	
390-3823-6	SS06	93	92	
390-3823-7	SS07	101	101	
LCS 880-43837/2-A	Lab Control Sample	138 S1+	124	
_CSD 880-43837/3-A	Lab Control Sample Dup	140 S1+	130	
MB 880-43837/1-A	Method Blank	186 S1+	164 S1+	

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

Client: Ensolum Job ID: 890-3823-1 Project/Site: PLU PC 2 SDG: 03C1558148

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-43832/5-B

Matrix: Solid Analysis Batch: 43866 Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 43832

	MB	MB						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		01/12/23 14:48	01/14/23 00:17	1
Toluene	<0.00200	U	0.00200	mg/Kg		01/12/23 14:48	01/14/23 00:17	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		01/12/23 14:48	01/14/23 00:17	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		01/12/23 14:48	01/14/23 00:17	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		01/12/23 14:48	01/14/23 00:17	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		01/12/23 14:48	01/14/23 00:17	1

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130	01/12/23 14:4	01/14/23 00:17	1
1,4-Difluorobenzene (Surr)	99		70 - 130	01/12/23 14:4	3 01/14/23 00:17	1

Lab Sample ID: MB 880-43835/5-A **Client Sample ID: Method Blank** Matrix: Solid Prep Type: Total/NA

Analysis Batch: 43866 Prep Batch: 43835

	MB	MR						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		01/12/23 14:58	01/14/23 11:54	1
Toluene	<0.00200	U	0.00200	mg/Kg		01/12/23 14:58	01/14/23 11:54	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		01/12/23 14:58	01/14/23 11:54	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		01/12/23 14:58	01/14/23 11:54	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		01/12/23 14:58	01/14/23 11:54	1
Xylenes, Total	< 0.00400	U	0.00400	mg/Kg		01/12/23 14:58	01/14/23 11:54	1

мв мв

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130	01/12/23 14:58	01/14/23 11:54	1
1,4-Difluorobenzene (Surr)	99		70 - 130	01/12/23 14:58	01/14/23 11:54	1

Lab Sample ID: LCS 880-43835/1-A Client Sample ID: Lab Control Sample **Matrix: Solid** Prep Type: Total/NA

Analysis Batch: 43866

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.08829		mg/Kg		88	70 - 130	
Toluene	0.100	0.08410		mg/Kg		84	70 - 130	
Ethylbenzene	0.100	0.08216		mg/Kg		82	70 - 130	
m-Xylene & p-Xylene	0.200	0.1680		mg/Kg		84	70 - 130	
o-Xylene	0.100	0.08252		mg/Kg		83	70 - 130	

LCS LCS

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	104	70 - 130
1.4-Difluorobenzene (Surr)	103	70 - 130

Lab Sample ID: LCSD 880-43835/2-A

Matrix: Solid

Analysis Batch: 43866

	Prep Type: Total/NA				
	Prep Ba	tch: 43835			
LCSD LCSD	%Rec	RPD			

Client Sample ID: Lab Control Sample Dup

	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.100	0.07938		mg/Kg		79	70 - 130	11	35

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Prep Batch: 43835

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Prep Batch: 43835

Client Sample ID: SS01

Client Sample ID: SS01

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QC Sample Results

Client: Ensolum Job ID: 890-3823-1 Project/Site: PLU PC 2 SDG: 03C1558148

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

Lab Sample ID: LCSD 880-43835/2-A Client Sample ID: Lab Control Sample Dup **Matrix: Solid** Prep Type: Total/NA

Analysis Batch: 43866

-	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Toluene	0.100	0.07607		mg/Kg		76	70 - 130	10	35
Ethylbenzene	0.100	0.07394		mg/Kg		74	70 - 130	11	35
m-Xylene & p-Xylene	0.200	0.1504		mg/Kg		75	70 - 130	11	35
o-Xylene	0.100	0.07576		mg/Kg		76	70 - 130	9	35

LCSD LCSD Surrogate %Recovery Qualifier Limits 70 - 130 4-Bromofluorobenzene (Surr) 105

102

Lab Sample ID: 890-3823-1 MS

1,4-Difluorobenzene (Surr)

Matrix: Solid				Prep Type: Total/NA
Analysis Batch: 43866				Prep Batch: 43835
	Sample Sample	Spike	MS MS	%Rec

70 - 130

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.00202	U	0.100	0.1058		mg/Kg		106	70 - 130	
Toluene	<0.00202	U	0.100	0.09441		mg/Kg		94	70 - 130	
Ethylbenzene	<0.00202	U	0.100	0.09001		mg/Kg		90	70 - 130	
m-Xylene & p-Xylene	<0.00403	U	0.200	0.1820		mg/Kg		91	70 - 130	
o-Xylene	<0.00202	U	0.100	0.09231		mg/Kg		92	70 - 130	

MS MS %Recovery Qualifier Limits Surrogate 70 - 130 4-Bromofluorobenzene (Surr) 109 1,4-Difluorobenzene (Surr) 105 70 - 130

Lab Sample ID: 890-3823-1 MSD

Matrix: Solid

Matrix: Solid									Prep 1	Type: To	tal/NA
Analysis Batch: 43866									Prep	Batch:	43835
	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	<0.00202	U	0.0990	0.09074		mg/Kg		92	70 - 130	15	35
Toluene	<0.00202	U	0.0990	0.08060		mg/Kg		81	70 - 130	16	35

70 - 130 <0.00202 U 0.0990 0.08060 mg/Kg Ethylbenzene <0.00202 U 0.0990 0.07674 mg/Kg 78 70 - 130 <0.00403 U 0.198 0.1551 78 70 - 130 m-Xylene & p-Xylene mg/Kg <0.00202 U 0.0990 0.07902 o-Xylene mg/Kg 79 70 - 130 MSD MSD

	MOD	MOD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	107		70 - 130
1,4-Difluorobenzene (Surr)	105		70 - 130

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

Lab Sample ID: MB 880-43837/1-A Client Sample ID: Method Blank **Matrix: Solid** Prep Type: Total/NA

Analysis Batch: 43854

	MB	MB						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0	mg/Kg		01/12/23 15:11	01/13/23 19:51	1

(GRO)-C6-C10

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Prep Batch: 43837

 Client: Ensolum
 Job ID: 890-3823-1

 Project/Site: PLU PC 2
 SDG: 03C1558148

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

Lab Sample ID: MB 880-43837/1-A

Matrix: Solid

Analysis Batch: 43854

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 43837

	MB	MB						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		01/12/23 15:11	01/13/23 19:51	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		01/12/23 15:11	01/13/23 19:51	1
	МВ	MB						
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	186	S1+	70 - 130			01/12/23 15:11	01/13/23 19:51	1
o-Terphenyl	164	S1+	70 - 130			01/12/23 15:11	01/13/23 19:51	1

Lab Sample ID: LCS 880-43837/3						Client	Sample	ID: Lab C	ontrol Sample	
Matrix: Solid									Prep 1	Type: Total/NA
Analysis Batch: 43854									Prep	Batch: 43837
			Spike	LCS	LCS				%Rec	
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics			1000	1056		mg/Kg		106	70 - 130	
(GRO)-C6-C10										
Diesel Range Organics (Over			1000	1099		mg/Kg		110	70 - 130	
C10-C28)										
	LCS	LCS								
Surrogate	%Recovery	Qualifier	Limits							
1-Chlorooctane	138	S1+	70 _ 130							
o-Terphenyl	124		70 - 130							

Lab Sample ID: LCSD 880-43837/3-A Matrix: Solid				Clier	it Sam	ple ID: I	Lab Contro Prep	ol Sampl Type: To		
Analysis Batch: 43854							•	p Batch: 43837		
•	Spike	LCSD	LCSD				%Rec		RPD	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Gasoline Range Organics (GRO)-C6-C10	1000	1032		mg/Kg		103	70 - 130	2	20	
Diesel Range Organics (Over C10-C28)	1000	1039		mg/Kg		104	70 - 130	6	20	

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	140	S1+	70 - 130
o-Terphenyl	130		70 - 130

Lab Sample ID: 880-23613-A Matrix: Solid Analysis Batch: 43854	A-1-D MS							Client	Sample ID: Ma Prep Type Prep Bat	•
	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics (GRO)-C6-C10	<49.9	U F1 F2	998	2514	F1	mg/Kg		248	70 - 130	
Diesel Range Organics (Over C10-C28)	<49.9	U	998	994.6		mg/Kg		100	70 - 130	
	MS	MS								
Surrogate	%Recovery	Qualifier	Limits							
1-Chlorooctane	99		70 - 130							
o-Terphenyl	80		70 - 130							

Client: Ensolum Project/Site: PLU PC 2 Job ID: 890-3823-1 SDG: 03C1558148

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

Lab Sample ID: 880-23613-A-1-E MSD

Matrix: Solid

Analysis Batch: 43854

Client Sample	ID:	Matrix	Spike	Du	pli	cate	
		_	_	_			

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Prep Type: Total/NA Prep Batch: 43837

-	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics	<49.9	U F1 F2	997	883.6	F2	mg/Kg		85	70 - 130	96	20
(GRO)-C6-C10	-40.0		007	000.0		//		04	70 400	0	00
Diesel Range Organics (Over	<49.9	U	997	906.2		mg/Kg		91	70 - 130	9	20

C10-C28)

MSD MSD

Surrogate	%Recovery	Qualifier	Limits		
1-Chlorooctane	83		70 - 130		
o-Terphenyl	75		70 - 130		

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-43825/1-A Client Sample ID: Method Blank **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 43925

мв мв

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00	mg/Kg			01/14/23 03:01	1

Lab Sample ID: LCS 880-43825/2-A **Client Sample ID: Lab Control Sample Matrix: Solid Prep Type: Soluble**

Analysis Batch: 43925

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	250	254.6	-	mg/Kg		102	90 - 110	

Lab Sample ID: LCSD 880-43825/3-A

Matrix: Solid

Analysis Batch: 43925

	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	 250	252 0		ma/Ka		101	90 - 110		20

Lab Sample ID: 890-3823-4 MS Client Sample ID: SS04 **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 43925

	Sample	Sample	Бріке	IVIS	IVIS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	709		248	946.2		mg/Kg		96	90 - 110	

Lab Sample ID: 890-3823-4 MSD

Matrix: Solid

Analysis Batch: 43925

Allalysis Datcil. 40020												
	Sample	Sample	Spike	MSD	MSD				%Rec		RPD	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Chloride	709		248	942.3		mg/Kg		94	90 - 110		20	

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Client Sample ID: SS04

Prep Type: Soluble

QC Association Summary

Client: Ensolum Job ID: 890-3823-1 Project/Site: PLU PC 2 SDG: 03C1558148

GC VOA

Prep Batch: 43832

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-43832/5-B	Method Blank	Total/NA	Solid	5035	

Prep Batch: 43835

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3823-1	SS01	Total/NA	Solid	5035	
890-3823-2	SS02	Total/NA	Solid	5035	
890-3823-3	SS03	Total/NA	Solid	5035	
890-3823-4	SS04	Total/NA	Solid	5035	
890-3823-5	SS05	Total/NA	Solid	5035	
890-3823-6	SS06	Total/NA	Solid	5035	
890-3823-7	SS07	Total/NA	Solid	5035	
MB 880-43835/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-43835/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-43835/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-3823-1 MS	SS01	Total/NA	Solid	5035	
890-3823-1 MSD	SS01	Total/NA	Solid	5035	

Analysis Batch: 43866

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3823-1	SS01	Total/NA	Solid	8021B	43835
890-3823-2	SS02	Total/NA	Solid	8021B	43835
890-3823-3	SS03	Total/NA	Solid	8021B	43835
890-3823-4	SS04	Total/NA	Solid	8021B	43835
890-3823-5	SS05	Total/NA	Solid	8021B	43835
890-3823-6	SS06	Total/NA	Solid	8021B	43835
890-3823-7	SS07	Total/NA	Solid	8021B	43835
MB 880-43832/5-B	Method Blank	Total/NA	Solid	8021B	43832
MB 880-43835/5-A	Method Blank	Total/NA	Solid	8021B	43835
LCS 880-43835/1-A	Lab Control Sample	Total/NA	Solid	8021B	43835
LCSD 880-43835/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	43835
890-3823-1 MS	SS01	Total/NA	Solid	8021B	43835
890-3823-1 MSD	SS01	Total/NA	Solid	8021B	43835

Analysis Batch: 44104

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3823-1	SS01	Total/NA	Solid	Total BTEX	
890-3823-2	SS02	Total/NA	Solid	Total BTEX	
890-3823-3	SS03	Total/NA	Solid	Total BTEX	
890-3823-4	SS04	Total/NA	Solid	Total BTEX	
890-3823-5	SS05	Total/NA	Solid	Total BTEX	
890-3823-6	SS06	Total/NA	Solid	Total BTEX	
890-3823-7	SS07	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 43837

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3823-1	SS01	Total/NA	Solid	8015NM Prep	
890-3823-2	SS02	Total/NA	Solid	8015NM Prep	
890-3823-3	SS03	Total/NA	Solid	8015NM Prep	
890-3823-4	SS04	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: Ensolum Job ID: 890-3823-1 Project/Site: PLU PC 2 SDG: 03C1558148

GC Semi VOA (Continued)

Prep Batch: 43837 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3823-5	SS05	Total/NA	Solid	8015NM Prep	
890-3823-6	SS06	Total/NA	Solid	8015NM Prep	
890-3823-7	SS07	Total/NA	Solid	8015NM Prep	
MB 880-43837/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-43837/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-43837/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-23613-A-1-D MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-23613-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 43854

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3823-1	SS01	Total/NA	Solid	8015B NM	43837
890-3823-2	SS02	Total/NA	Solid	8015B NM	43837
890-3823-3	SS03	Total/NA	Solid	8015B NM	43837
890-3823-4	SS04	Total/NA	Solid	8015B NM	43837
890-3823-5	SS05	Total/NA	Solid	8015B NM	43837
890-3823-6	SS06	Total/NA	Solid	8015B NM	43837
890-3823-7	SS07	Total/NA	Solid	8015B NM	43837
MB 880-43837/1-A	Method Blank	Total/NA	Solid	8015B NM	43837
LCS 880-43837/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	43837
LCSD 880-43837/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	43837
880-23613-A-1-D MS	Matrix Spike	Total/NA	Solid	8015B NM	43837
880-23613-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	43837

Analysis Batch: 44030

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3823-1	SS01	Total/NA	Solid	8015 NM	
890-3823-2	SS02	Total/NA	Solid	8015 NM	
890-3823-3	SS03	Total/NA	Solid	8015 NM	
890-3823-4	SS04	Total/NA	Solid	8015 NM	
890-3823-5	SS05	Total/NA	Solid	8015 NM	
890-3823-6	SS06	Total/NA	Solid	8015 NM	
890-3823-7	SS07	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 43825

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3823-1	SS01	Soluble	Solid	DI Leach	
890-3823-2	SS02	Soluble	Solid	DI Leach	
890-3823-3	SS03	Soluble	Solid	DI Leach	
890-3823-4	SS04	Soluble	Solid	DI Leach	
890-3823-5	SS05	Soluble	Solid	DI Leach	
890-3823-6	SS06	Soluble	Solid	DI Leach	
890-3823-7	SS07	Soluble	Solid	DI Leach	
MB 880-43825/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-43825/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-43825/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-3823-4 MS	SS04	Soluble	Solid	DI Leach	
890-3823-4 MSD	SS04	Soluble	Solid	DI Leach	

QC Association Summary

 Client: Ensolum
 Job ID: 890-3823-1

 Project/Site: PLU PC 2
 SDG: 03C1558148

HPLC/IC

Analysis Batch: 43925

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3823-1	SS01	Soluble	Solid	300.0	43825
890-3823-2	SS02	Soluble	Solid	300.0	43825
890-3823-3	SS03	Soluble	Solid	300.0	43825
890-3823-4	SS04	Soluble	Solid	300.0	43825
890-3823-5	SS05	Soluble	Solid	300.0	43825
890-3823-6	SS06	Soluble	Solid	300.0	43825
890-3823-7	SS07	Soluble	Solid	300.0	43825
MB 880-43825/1-A	Method Blank	Soluble	Solid	300.0	43825
LCS 880-43825/2-A	Lab Control Sample	Soluble	Solid	300.0	43825
LCSD 880-43825/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	43825
890-3823-4 MS	SS04	Soluble	Solid	300.0	43825
890-3823-4 MSD	SS04	Soluble	Solid	300.0	43825

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Job ID: 890-3823-1 SDG: 03C1558148

Client: Ensolum
Project/Site: PLU PC 2

Lab Sample ID: 890-3823-1

Matrix: Solid

Date Collected: 01/10/23 11:45 Date Received: 01/11/23 10:55

Client Sample ID: SS01

	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	43835	01/12/23 14:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43866	01/14/23 12:23	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			44104	01/16/23 17:00	AJ	EET MID
Total/NA	Analysis	8015 NM		1			44030	01/16/23 16:35	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	43837	01/12/23 15:11	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43854	01/14/23 00:35	AJ	EET MID
Soluble	Leach	DI Leach			4 97 a	50 ml	43825	01/12/23 14:05	KS	FFT MID

Client Sample ID: SS02 Lab Sample ID: 890-3823-2

Date Collected: 01/10/23 11:55 Matrix: Solid

43925

01/14/23 04:17

СН

Date Received: 01/11/23 10:55

Analysis

300.0

Soluble

	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	43835	01/12/23 14:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43866	01/14/23 12:44	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			44104	01/16/23 17:00	AJ	EET MID
Total/NA	Analysis	8015 NM		1			44030	01/16/23 16:35	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	43837	01/12/23 15:11	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43854	01/14/23 00:56	AJ	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	43825	01/12/23 14:05	KS	EET MIC
Soluble	Analysis	300.0		5			43925	01/14/23 04:22	CH	EET MID

Client Sample ID: SS03

Date Collected: 01/10/23 12:05

Lab Sample ID: 890-3823-3

Matrix: Solid

Date Received: 01/11/23 10:55

	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	43835	01/12/23 14:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43866	01/14/23 13:04	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			44104	01/16/23 17:00	AJ	EET MID
Total/NA	Analysis	8015 NM		1			44030	01/16/23 16:35	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	43837	01/12/23 15:11	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43854	01/14/23 01:40	AJ	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	43825	01/12/23 14:05	KS	EET MID
Soluble	Analysis	300.0		1			43925	01/14/23 04:28	CH	EET MID

Client Sample ID: SS04 Lab Sample ID: 890-3823-4

Date Collected: 01/10/23 12:15 Date Received: 01/11/23 10:55

	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	43835	01/12/23 14:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43866	01/14/23 13:24	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			44104	01/16/23 17:00	AJ	EET MID

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Matrix: Solid

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EET MID

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Released to Imaging: 7/27/2023 2:52:59 PM

Job ID: 890-3823-1 SDG: 03C1558148

Project/Site: PLU PC 2

Client Sample ID: SS04

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Lab Sample ID: 890-3823-4

Matrix: Solid

Date Collected: 01/10/23 12:15 Date Received: 01/11/23 10:55

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			44030	01/16/23 16:35	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	43837	01/12/23 15:11	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43854	01/14/23 02:03	AJ	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	43825	01/12/23 14:05	KS	EET MID
Soluble	Analysis	300.0		1			43925	01/14/23 04:33	CH	EET MID

Client Sample ID: SS05 Lab Sample ID: 890-3823-5

Date Collected: 01/10/23 12:25

Matrix: Solid

Date Received: 01/11/23 10:55

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	43835	01/12/23 14:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43866	01/14/23 13:45	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			44104	01/16/23 17:00	AJ	EET MID
Total/NA	Analysis	8015 NM		1			44030	01/16/23 16:35	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	43837	01/12/23 15:11	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43854	01/14/23 02:25	AJ	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	43825	01/12/23 14:05	KS	EET MIC
Soluble	Analysis	300.0		1			43925	01/14/23 04:50	CH	EET MID

Client Sample ID: SS06 Lab Sample ID: 890-3823-6

Date Collected: 01/10/23 12:35 Date Received: 01/11/23 10:55

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	43835	01/12/23 14:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43866	01/14/23 14:05	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			44104	01/16/23 17:00	AJ	EET MID
Total/NA	Analysis	8015 NM		1			44030	01/16/23 16:35	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	43837	01/12/23 15:11	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43854	01/14/23 02:47	AJ	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	43825	01/12/23 14:05	KS	EET MID
Soluble	Analysis	300.0		10			43925	01/14/23 04:55	CH	EET MID

Client Sample ID: SS07 Lab Sample ID: 890-3823-7

Date Collected: 01/10/23 12:45 Date Received: 01/11/23 10:55

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	43835	01/12/23 14:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43866	01/14/23 14:26	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			44104	01/16/23 17:00	AJ	EET MID
Total/NA	Analysis	8015 NM		1			44030	01/16/23 16:35	AJ	EET MID
Total/NA Total/NA	Prep Analysis	8015NM Prep 8015B NM		1	10.02 g 1 uL	10 mL 1 uL	43837 43854	01/12/23 15:11 01/14/23 03:09	DM AJ	EET MID EET MID

Eurofins Carlsbad

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Matrix: Solid

Matrix: Solid

Lab Chronicle

Client: Ensolum Job ID: 890-3823-1 Project/Site: PLU PC 2 SDG: 03C1558148

Client Sample ID: SS07 Lab Sample ID: 890-3823-7

Matrix: Solid

Date Collected: 01/10/23 12:45 Date Received: 01/11/23 10:55

	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	43825	01/12/23 14:05	KS	EET MID
Soluble	Analysis	300.0		1			43925	01/14/23 05:11	CH	EET MID

Laboratory References:

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

Accreditation/Certification Summary

 Client: Ensolum
 Job ID: 890-3823-1

 Project/Site: PLU PC 2
 SDG: 03C1558148

Laboratory: Eurofins Midland

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

Authority Texas		ogram	Identification Number	Expiration Date 06-30-23	
		ELAP	T104704400-22-25		
The following analytes	are included in this report by	it the laboratory is not certific	ed by the governing authority. This list ma	v include analytes for y	
the agency does not of	. ,	at the laboratory is not contin	ou by the governing authority. This list his	ay include analytes for t	
0 ,	. ,	Matrix	Analyte	ay include analytes for t	
the agency does not of	fer certification.	•	, , ,		

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Method Summary

Client: Ensolum Job ID: 890-3823-1 Project/Site: PLU PC 2 SDG: 03C1558148

Laboratory
EET MID
EET MID
EET MID

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

Protocol References:

ASTM = ASTM International

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Ensolum Project/Site: PLU PC 2 Job ID: 890-3823-1

SDG: 03C1558148

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-3823-1	SS01	Solid	01/10/23 11:45	01/11/23 10:55	0.5
890-3823-2	SS02	Solid	01/10/23 11:55	01/11/23 10:55	0.5
890-3823-3	SS03	Solid	01/10/23 12:05	01/11/23 10:55	0.5
890-3823-4	SS04	Solid	01/10/23 12:15	01/11/23 10:55	0.5
890-3823-5	SS05	Solid	01/10/23 12:25	01/11/23 10:55	0.5
890-3823-6	SS06	Solid	01/10/23 12:35	01/11/23 10:55	0.5
890-3823-7	SS07	Solid	01/10/23 12:45	01/11/23 10:55	0.5

980	State ZIP:	ess: 3/2	oany Name:	ct Manager: 156	,			eurolins	
988-454-0852 Email:	Ladsbad NM 68226 City, State ZIP:	3122 National Packs thy Address:	Cosolum	San Belill			Xenco	S Environment Testing	
	City, State ZIP:	Address:	Company Name:	Bill to: (if different)		Hobbs, NM (EL Paso, TX (9	Houston, TX Midland, TX (4:	Q
		3164 & Givene 57	XTD Every	Garrett Green		Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199	EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296	Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300 Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334	Chain of Custody
Deliverables: EDD	Reporting: Level II Level III PST/UST TRRP	State of Project:	Program: UST/PST PRP Brownfields RRC	Work Order Comments	www.xenco.com Page			Work Order No:	

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			1-23 1055		Se Child		m
jnature) Date/Time	Received by: (Signature)	Relinquished by: (Signature)	Date/Time		Received by: (Signature)	ignature)	Relinquished by: (Signature)
	conditions ne control ously negotiated.	Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.	rofins Xenco, its affiliates and subenses incurred by the client if such Eurofins Xenco, but not analyzed	from client company to Ex bility for any losses or exp each sample submitted t	Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard to service. Eurofins Xenco, will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances 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 un	nt and relinquishment of sample e liable only for the cost of sample harge of \$85.00 will be applied to	ice: Signature of this docume ervice. Eurofins Xenco will be urofins Xenco. A minimum c
Se Ag SiO ₂ Na Sr Tl Sn U V Zn Hg: 1631/245.1/7470/7471	<u> </u>	Cr Co Cu Fe Pb N o Cu Pb Mn Mo N	b As Ba Be B Cd Ca Sb As Ba Be Cd Cr C	13PPM Texas 11 Al Sb As LP/SPLP 6010 : 8RCRA Sb A	8RCR/	Total 200.7 / 6010 200.8 / 6020: Circle Method(s) and Metal(s) to be analyzed	Total 200.7 / 6010 rcle Method(s) and
			\	VWV	1245	<	5507
NAPP 7235646436				F	1235		800
the			1		1225		7.7
			1		502		503
108/201061			1	-,	1/85		4055
23		1	1	102	1-10 1/45	>	5601
Sample Comments			C, B,	Depth Grab/ # of Comp Cont	Date Time Sampled Sampled	ation Matrix	Sample Identification
NaOH+Ascorbic Acid: SAPC	_		HU P	20	Corrected Temperature:	(Total Containers:
Zn Acetate+NaOH: Zn			1	1.4	Temperature Reading:	No(N/A	Sample Custody Seals:
Na ₂ S ₂ O ₃ : NaSO ₃	Custody	890-3823 Chain of Custody		0	Correction Factor:	Yes No N/A	Cooler Custody Seals:
NaHSO 4: NABIS				MOS H	Thermometer ID:	Yes) No	Samples Received Intact:
H ₃ PO ₄ : HP				No No	Yes No Wet Ice:	Temp Blank:	SAMPLE RECEIPT
H ₂ SO ₄ : H ₂ NaOH: Na					the lab, if received by 4:30pm	`	PO #:
				ay received by	TAT starts the day received by	CBI	Sampler's Name:
Cool: Cool MeOH: Me					Due Date:	ddy 6	Project Location:
None: NO DI Water: H ₂ O				Rush Code	Rout	03C1558148	Project Number:
Preservative Codes		ANALYSIS REQUEST		round	Turn Around	LUPC2	Project Name:
ADaPT U Other:	Deliverables: EDD				5)72 Email:	184-124-082	Phone:
	2	Re		City, State ZIP:	N 88330	adsbad N	City, State ZIP:
T New Tool Tool Tool T					1	, , , , , , , , , , , , , , , , , , , ,	

Superfund [

Login Sample Receipt Checklist

Client: Ensolum Job Number: 890-3823-1 SDG Number: 03C1558148

Login Number: 3823 List Source: Eurofins Carlsbad

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	

Login Sample Receipt Checklist

Client: Ensolum Job Number: 890-3823-1 SDG Number: 03C1558148

List Source: Eurofins Midland

List Number: 2

List Creation: 01/12/23 10:37 AM

Creator: Rodriguez, Leticia

Login Number: 3823

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

<6mm (1/4").

Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Ben Belill

Ensolum

601 N. Marienfeld St.

Suite 400

Midland, Texas 79701

Generated 1/16/2023 6:28:56 PM

JOB DESCRIPTION

PLU PC 2 SDG NUMBER 03C1558148

JOB NUMBER

890-3824-1

Eurofins Carlsbad 1089 N Canal St. Carlsbad NM 88220

Eurofins Carlsbad

Job Notes

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

Generated 1/16/2023 6:28:56 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

Released to Imaging: 7/27/2023 2:52:59 PM

Companies

Client: Ensolum
Project/Site: PLU PC 2
Laboratory Job ID: 890-3824-1
SDG: 03C1558148

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Definitions/Glossary

Job ID: 890-3824-1 Client: Ensolum Project/Site: PLU PC 2 SDG: 03C1558148

Qualifiers

GC VOA

Qualifier **Qualifier Description**

Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier **Qualifier Description**

F1 MS and/or MSD recovery exceeds control limits.

F2 MS/MSD RPD exceeds control limits

S1+ Surrogate recovery exceeds control limits, high biased. Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier **Qualifier Description**

Indicates the analyte was analyzed for but not detected.

Glossary

MCL

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

DFR 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

Decision Level Concentration (Radiochemistry) DLC

EDL Estimated Detection Limit (Dioxin) LOD Limit of Detection (DoD/DOE) LOQ Limit of Quantitation (DoD/DOE)

EPA recommended "Maximum Contaminant Level" MDA Minimum Detectable Activity (Radiochemistry) MDC Minimum Detectable Concentration (Radiochemistry)

Method Detection Limit MDL 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

Toxicity Equivalent Factor (Dioxin) TEF Toxicity Equivalent Quotient (Dioxin) TEQ

TNTC Too Numerous To Count

Case Narrative

 Client: Ensolum
 Job ID: 890-3824-1

 Project/Site: PLU PC 2
 SDG: 03C1558148

Job ID: 890-3824-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative 890-3824-1

Receipt

The samples were received on 1/11/2023 10:55 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.2°C

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: SS08 (890-3824-1), SS09 (890-3824-2) and SS10 (890-3824-3).

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: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-43837 and analytical batch 880-43854 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 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (LCS 880-43837/2-A), (LCSD 880-43837/3-A) and (MB 880-43837/1-A). Evidence of matrix interferences is not obvious.

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

HPLC/IC

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

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 Client: Ensolum
 Job ID: 890-3824-1

 Project/Site: PLU PC 2
 SDG: 03C1558148

Client Sample ID: SS08 Lab Sample ID: 890-3824-1

Date Collected: 01/10/23 13:00 Matrix: Solid
Date Received: 01/11/23 10:55

Sample Depth: 0.5

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		01/12/23 14:58	01/14/23 14:46	1
Toluene	<0.00200	U	0.00200	mg/Kg		01/12/23 14:58	01/14/23 14:46	1
Ethylbenzene	0.00268		0.00200	mg/Kg		01/12/23 14:58	01/14/23 14:46	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		01/12/23 14:58	01/14/23 14:46	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		01/12/23 14:58	01/14/23 14:46	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		01/12/23 14:58	01/14/23 14:46	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	130		70 - 130			01/12/23 14:58	01/14/23 14:46	1
1,4-Difluorobenzene (Surr)	108		70 - 130			01/12/23 14:58	01/14/23 14:46	1
- Method: TAL SOP Total BTEX - 1	Total BTEX Cald	culation						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			01/16/23 17:00	1
Method: SW846 8015 NM - Diese	ol Pango Organ	ice (DPO) ((GC)					
Method. 544640 0013 MM - Diese	ri italiye Organ							
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Analyte Total TPH	Result <49.9		•	Unit mg/Kg	<u>D</u>	Prepared	Analyzed 01/16/23 16:35	
	<49.9	U	RL 49.9		<u>D</u>	Prepared		
Total TPH	<49.9	U	RL 49.9		<u>D</u>	Prepared Prepared		1
Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics	<49.9	nics (DRO) Qualifier	RL 49.9 (GC)	mg/Kg			01/16/23 16:35	1 Dil Fac
Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	<49.9 sel Range Orga Result	nics (DRO) Qualifier	RL 49.9 (GC)	mg/Kg		Prepared	01/16/23 16:35 Analyzed	Dil Fac
Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10	<49.9 sel Range Orga Result <49.9	nics (DRO) Qualifier U	RL 49.9 (GC) RL 49.9	mg/Kg Unit mg/Kg		Prepared 01/12/23 15:11	01/16/23 16:35 Analyzed 01/14/23 03:32	Dil Fac
Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	<49.9 sel Range Orga Result <49.9 <49.9	nics (DRO) Qualifier U	RL 49.9 (GC) RL 49.9 49.9	mg/Kg Unit mg/Kg mg/Kg		Prepared 01/12/23 15:11 01/12/23 15:11	01/16/23 16:35 Analyzed 01/14/23 03:32 01/14/23 03:32	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)	<49.9 sel Range Orga Result <49.9 <49.9 <49.9	Oualifier U	RL 49.9 (GC) RL 49.9 49.9 49.9	mg/Kg Unit mg/Kg mg/Kg		Prepared 01/12/23 15:11 01/12/23 15:11 01/12/23 15:11	01/16/23 16:35 Analyzed 01/14/23 03:32 01/14/23 03:32	Dil Face 1 1 1 Dil Face
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	sel Range Orga Result <49.9 <49.9 <49.9 %Recovery	Oualifier U	RL 49.9 (GC) RL 49.9 49.9 49.9 Limits	mg/Kg Unit mg/Kg mg/Kg		Prepared 01/12/23 15:11 01/12/23 15:11 01/12/23 15:11 Prepared	Analyzed 01/14/23 03:32 01/14/23 03:32 01/14/23 03:32 Analyzed	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	<49.9 sel Range Orga Result <49.9 <49.9 <49.9 %Recovery 99 <106	Oualifier U Qualifier U Qualifier	RL 49.9 (GC) RL 49.9 49.9 49.9 Limits 70 - 130 70 - 130	mg/Kg Unit mg/Kg mg/Kg		Prepared 01/12/23 15:11 01/12/23 15:11 01/12/23 15:11 Prepared 01/12/23 15:11	01/16/23 16:35 Analyzed 01/14/23 03:32 01/14/23 03:32 01/14/23 03:32 Analyzed 01/14/23 03:32	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 o-Terphenyl	sel Range Orga Result <49.9 <49.9 <49.9 <8ecovery 99 106 s, Ion Chromato	Oualifier U Qualifier U Qualifier	RL 49.9 (GC) RL 49.9 49.9 49.9 Limits 70 - 130 70 - 130	mg/Kg Unit mg/Kg mg/Kg		Prepared 01/12/23 15:11 01/12/23 15:11 01/12/23 15:11 Prepared 01/12/23 15:11	01/16/23 16:35 Analyzed 01/14/23 03:32 01/14/23 03:32 01/14/23 03:32 Analyzed 01/14/23 03:32	

Client Sample ID: SS09 Lab Sample ID: 890-3824-2

Date Collected: 01/10/23 13:10 Matrix: Solid

Date Received: 01/11/23 10:55

Sample Depth: 0.5

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		01/12/23 14:58	01/14/23 15:07	1
Toluene	<0.00200	U	0.00200	mg/Kg		01/12/23 14:58	01/14/23 15:07	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		01/12/23 14:58	01/14/23 15:07	1
m-Xylene & p-Xylene	<0.00401	U	0.00401	mg/Kg		01/12/23 14:58	01/14/23 15:07	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		01/12/23 14:58	01/14/23 15:07	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		01/12/23 14:58	01/14/23 15:07	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)			70 - 130			01/12/23 14:58	01/14/23 15:07	

Eurofins Carlsbad

Released to Imaging: 7/27/2023 2:52:59 PM

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Client Sample Results

Client: Ensolum Job ID: 890-3824-1 Project/Site: PLU PC 2 SDG: 03C1558148

Client Sample ID: SS09 Lab Sample ID: 890-3824-2

Date Collected: 01/10/23 13:10 Matrix: Solid Date Received: 01/11/23 10:55

Sample Depth: 0.5

Method: SW846 8021B - Volatile	Organic Compounds	(GC) (Continued)
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Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	95	70 - 130	01/12/23 14:58	01/14/23 15:07	1

Method: TAL SOP Total BTEX - Total BTE	X Calculation

Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401 U	0.00401	ma/Ka			01/16/23 17:00	1

Mathada OMO40 0045 NM Disasi Damas Omenica (DDO) (OO	Α.
Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC	. 1

	Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Total TPH	<49.9 U	49.9	mg/Kg			01/16/23 16:35	1

Method: SW846 8015B NM - Diesel Range Organics	(DRO)	(GC)	١
motified. Offerto College Ithin Biodol Rungo Organico	(5.10)	, , , , ,	,

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		01/12/23 15:11	01/14/23 03:54	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		01/12/23 15:11	01/14/23 03:54	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		01/12/23 15:11	01/14/23 03:54	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	83	70 - 130	01/12/23 15:11	01/14/23 03:54	1
o-Terphenyl	81	70 - 130	01/12/23 15:11	01/14/23 03:54	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	51.7		4.98	mg/Kg			01/14/23 05:22	1

Client Sample ID: SS10 Lab Sample ID: 890-3824-3

Date Collected: 01/10/23 13:20 Date Received: 01/11/23 10:55

Sample Depth: 0.5

ı	Method: SW846 8021B	Valatila Ossasia	O = (OO)

Method. Syvoto 002 ID - Volat	ne Organic Comp)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		01/12/23 14:58	01/14/23 15:27	1
Toluene	<0.00199	U	0.00199	mg/Kg		01/12/23 14:58	01/14/23 15:27	1
Ethylbenzene	< 0.00199	U	0.00199	mg/Kg		01/12/23 14:58	01/14/23 15:27	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		01/12/23 14:58	01/14/23 15:27	1
o-Xylene	< 0.00199	U	0.00199	mg/Kg		01/12/23 14:58	01/14/23 15:27	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		01/12/23 14:58	01/14/23 15:27	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	124		70 - 130			01/12/23 14:58	01/14/23 15:27	1

4-Bromofluorobenzene (Surr)	124	70 - 130	01/12/23 14:58	01/14/23 15:27	1
1,4-Difluorobenzene (Surr)	95	70 - 130	01/12/23 14:58	01/14/23 15:27	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			01/16/23 17:00	1

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			01/16/23 16:35	1

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Matrix: Solid

Matrix: Solid

Lab Sample ID: 890-3824-3

01/14/23 05:28

Client Sample Results

 Client: Ensolum
 Job ID: 890-3824-1

 Project/Site: PLU PC 2
 SDG: 03C1558148

Client Sample ID: SS10

Date Collected: 01/10/23 13:20 Date Received: 01/11/23 10:55

Sample Depth: 0.5

Chloride

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		01/12/23 15:11	01/14/23 04:16	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		01/12/23 15:11	01/14/23 04:16	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		01/12/23 15:11	01/14/23 04:16	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130			01/12/23 15:11	01/14/23 04:16	1
o-Terphenyl	94		70 - 130			01/12/23 15:11	01/14/23 04:16	1
Method: MCAWW 300.0 - Anions	, Ion Chromato	graphy - S	oluble					
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac

4.97

49.9

mg/Kg

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Surrogate Summary

 Client: Ensolum
 Job ID: 890-3824-1

 Project/Site: PLU PC 2
 SDG: 03C1558148

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid Prep Type: Total/NA

				Percent Surrogate Rec
		BFB1	DFBZ1	_
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
890-3823-A-1-C MS	Matrix Spike	109	105	
890-3823-A-1-D MSD	Matrix Spike Duplicate	107	105	
890-3824-1	SS08	130	108	
890-3824-2	SS09	114	95	
890-3824-3	SS10	124	95	
LCS 880-43835/1-A	Lab Control Sample	104	103	
LCSD 880-43835/2-A	Lab Control Sample Dup	105	102	
MB 880-43832/5-B	Method Blank	109	99	
MB 880-43835/5-A	Method Blank	108	99	
Surrogate Legend				
BFB = 4-Bromofluorobenze	ene (Surr)			
DFBZ = 1,4-Difluorobenzer	ne (Surr)			

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

Matrix: Solid Prep Type: Total/NA

				Percent Surrogate Recovery (Acceptance Limits)
		1CO1	OTPH1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
880-23613-A-1-D MS	Matrix Spike	99	80	
880-23613-A-1-E MSD	Matrix Spike Duplicate	83	75	
890-3824-1	SS08	99	106	
890-3824-2	SS09	83	81	
890-3824-3	SS10	97	94	
LCS 880-43837/2-A	Lab Control Sample	138 S1+	124	
LCSD 880-43837/3-A	Lab Control Sample Dup	140 S1+	130	
MB 880-43837/1-A	Method Blank	186 S1+	164 S1+	

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

Client: Ensolum Job ID: 890-3824-1 Project/Site: PLU PC 2 SDG: 03C1558148

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-43832/5-B

Matrix: Solid Analysis Batch: 43866 Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 43832

	MB	MB						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		01/12/23 14:48	01/14/23 00:17	
Toluene	<0.00200	U	0.00200	mg/Kg		01/12/23 14:48	01/14/23 00:17	
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		01/12/23 14:48	01/14/23 00:17	
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		01/12/23 14:48	01/14/23 00:17	
o-Xylene	<0.00200	U	0.00200	mg/Kg		01/12/23 14:48	01/14/23 00:17	
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		01/12/23 14:48	01/14/23 00:17	

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepai	red	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	109		70 - 130	01/12/23	14:48	01/14/23 00:17	1	
1,4-Difluorobenzene (Surr)	99		70 - 130	01/12/23	14:48	01/14/23 00:17	1	

Lab Sample ID: MB 880-43835/5-A	Client Sample ID: Method Blank
Matrix: Solid	Prep Type: Total/NA
Analysis Batch: 43866	Prep Batch: 43835
MR MR	

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		01/12/23 14:58	01/14/23 11:54	1
Toluene	<0.00200	U	0.00200	mg/Kg		01/12/23 14:58	01/14/23 11:54	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		01/12/23 14:58	01/14/23 11:54	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		01/12/23 14:58	01/14/23 11:54	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		01/12/23 14:58	01/14/23 11:54	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		01/12/23 14:58	01/14/23 11:54	1

мв мв

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130	01/12/23 14:58	01/14/23 11:54	1
1,4-Difluorobenzene (Surr)	99		70 - 130	01/12/23 14:58	01/14/23 11:54	1

Lab Sample ID: LCS 880-43835/1-A

Matrix: Solid

Analysis Batch: 43866

Client Sample ID: Lab Control Sample

Prep Type: Total/NA Prep Batch: 43835

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.08829		mg/Kg		88	70 - 130	
Toluene	0.100	0.08410		mg/Kg		84	70 - 130	
Ethylbenzene	0.100	0.08216		mg/Kg		82	70 - 130	
m-Xylene & p-Xylene	0.200	0.1680		mg/Kg		84	70 - 130	
o-Xylene	0.100	0.08252		mg/Kg		83	70 - 130	

LCS LCS

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	104	70 - 130
1.4-Difluorobenzene (Surr)	103	70 - 130

Lab Sample ID: LCSD 880-43835/2-A

Matrix: Solid

Analysis Batch: 43866

Client	Sample	ID: Lab	Control	Sample Dup

Prep Type: Total/NA

Prep Batch: 43835

	Spike	LCSD LCSD				70 Rec		KFD	
Analyte	Added	Result Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Benzene	0.100	0.07938	mg/Kg		79	70 - 130	11	35	

QC Sample Results

Job ID: 890-3824-1 Client: Ensolum Project/Site: PLU PC 2 SDG: 03C1558148

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

Lab Sample ID: LCSD 880-43835/2-A

Matrix: Solid

Analysis Batch: 43866 Prep Batch: 43835 Spike LCSD LCSD %Rec **RPD** Analyte Added Result Qualifier Unit %Rec Limits **RPD** Limit D Toluene 0.100 0.07607 76 70 - 130 35 mg/Kg 10 Ethylbenzene 0.100 0.07394 mg/Kg 74 70 - 130 11 35 0.200 0.1504 mg/Kg 75 70 - 130 11 35 m-Xylene & p-Xylene o-Xylene 0.100 0.07576 mg/Kg 76 70 - 130 35

LCSD LCSD

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	105		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

Lab Sample ID: 890-3823-A-1-C MS

Client Sample ID: Matrix Spike **Matrix: Solid** Prep Type: Total/NA

Prep Type: Total/NA

Analysis Batch: 43866 Prep Batch: 43835 MS MS %Rec Sample Sample Spike

Result Qualifier Analyte Added Result Qualifier Unit %Rec Limits Benzene U 0.1058 <0.00202 0.100 mg/Kg 106 70 - 130 Toluene <0.00202 U 0.100 0.09441 94 70 - 130 mg/Kg <0.00202 U 0.100 0.09001 70 - 130 Ethylbenzene mg/Kg 90 m-Xylene & p-Xylene <0.00403 U 0.200 0.1820 91 70 - 130 mg/Kg o-Xylene <0.00202 U 0.100 0.09231 mg/Kg 92 70 - 130

MS MS

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	109	70 - 130
1,4-Difluorobenzene (Surr)	105	70 - 130

Lab Sample ID: 890-3823-A-1-D MSD

Matrix: Solid

Analysis Batch: 43866

Client Sample ID: Matrix Spike Duplicate

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA Prep Batch: 43835

Sample Sample MSD MSD %Rec RPD Spike Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits RPD Limit Benzene <0.00202 U 0.0990 0.09074 mg/Kg 92 70 - 130 15 35 Toluene <0.00202 U 0.0990 0.08060 mg/Kg 81 70 - 130 16 35 Ethylbenzene <0.00202 U 0.0990 0.07674 mg/Kg 78 70 - 130 16 35 0.198 0.1551 78 70 - 130 m-Xylene & p-Xylene <0.00403 U mg/Kg 16 35 0.0990 o-Xylene <0.00202 U 0.07902 mg/Kg 79 70 - 130 16 35

MSD MSD

Surrogate	%Recovery	Quaimer	Limits
4-Bromofluorobenzene (Surr)	107		70 - 130
1,4-Difluorobenzene (Surr)	105		70 - 130

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

Lab Sample ID: MB 880-43837/1-A **Matrix: Solid**

Analysis Batch: 43854

Client Sample ID: Method Blank Prep Type: Total/NA Prep Batch: 43837

мв мв Analyte Result Qualifier RL Unit Prepared <50.0 U 50.0 mg/Kg 01/12/23 15:11 01/13/23 19:51 Gasoline Range Organics

(GRO)-C6-C10

 Client: Ensolum
 Job ID: 890-3824-1

 Project/Site: PLU PC 2
 SDG: 03C1558148

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

Lab Sample ID: MB 880-43837/1-A

Matrix: Solid

Analysis Batch: 43854

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 43837

	MB	MB						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		01/12/23 15:11	01/13/23 19:51	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		01/12/23 15:11	01/13/23 19:51	1
	МВ	МВ						
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	186	S1+	70 - 130			01/12/23 15:11	01/13/23 19:51	1
o-Terphenyl	164	S1+	70 - 130			01/12/23 15:11	01/13/23 19:51	1

Lab Sample ID: LCS 880-43837/2-A Client Sample ID: Lab Control Sample **Matrix: Solid** Prep Type: Total/NA Prep Batch: 43837 Analysis Batch: 43854 LCS LCS Spike Analyte Added Result Qualifier Unit %Rec Limits Gasoline Range Organics 1000 1056 106 70 - 130 mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over 1000 1099 mg/Kg 110 70 - 130 C10-C28) LCS LCS %Recovery Qualifier Limits Surrogate 1-Chlorooctane 138 S1+ 70 - 130 o-Terphenyl 124 70 - 130

Lab Sample ID: LCSD 880-43837/3-A

Client Sample ID: Lab Control Sample Dup
Matrix: Solid

Analysis Batch: 43854

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 43837

	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics	1000	1032		mg/Kg		103	70 - 130	2	20
(GRO)-C6-C10									
Diesel Range Organics (Over	1000	1039		mg/Kg		104	70 - 130	6	20
C10-C28)									

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	140	S1+	70 - 130
o-Terphenyl	130		70 - 130

Lab Sample ID: 880-23613-A-4 Matrix: Solid	I-D MS							Client	•	: Matrix Sp Type: Total/	
Analysis Batch: 43854									Prep	Batch: 438	337
-	Sample	Sample	Spike	MS	MS				%Rec		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Gasoline Range Organics	<49.9	U F1 F2	998	2514	F1	mg/Kg		248	70 - 130		
(GRO)-C6-C10											

(GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	<49.9	U	998	994.6	mg/Kg	100	70 - 130	
	MS	MS						
Surrogate	%Recovery	Qualifier	Limits					
1-Chlorooctane	99		70 - 130					
o-Terphenyl	80		70 - 130					

Job ID: 890-3824-1

SDG: 03C1558148

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

Lab Sample ID: 880-23613-A-1-E MSD

Analysis Batch: 43854

Client: Ensolum

Matrix: Solid

Project/Site: PLU PC 2

Client Sample ID: Matrix Spike Duplicate

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Prep Type: Soluble

Prep Type: Soluble

Client Sample ID: Matrix Spike

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA Prep Batch: 43837

Sample Sample Spike MSD MSD RPD Result Qualifier Limit Analyte Added Result Qualifier Unit %Rec Limits RPD Gasoline Range Organics <49.9 U F1 F2 997 883.6 F2 mg/Kg 85 70 - 130 96 20 (GRO)-C6-C10 997 Diesel Range Organics (Over 906.2 mg/Kg 91 70 - 130 <49.9 U 9

C10-C28)

MSD MSD

Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	83		70 - 130
o-Terphenyl	75		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-43825/1-A Client Sample ID: Method Blank **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 43925

мв мв

Analyte Result Qualifier RL Unit Prepared Analyzed Dil Fac Chloride <5.00 5.00 mg/Kg 01/14/23 03:01

Lab Sample ID: LCS 880-43825/2-A **Client Sample ID: Lab Control Sample Matrix: Solid Prep Type: Soluble**

Analysis Batch: 43925

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	250	254.6	-	mg/Kg		102	90 - 110	

Lab Sample ID: LCSD 880-43825/3-A

Matrix: Solid

Analysis Batch: 43925

-	Spike	LCSD	LCSD			%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D %R	ec Limits	RPD	Limit
Chloride	250	252.0		ma/Ka		01 90 - 110		20

Lab Sample ID: 890-3823-A-4-C MS

Matrix: Solid

Analysis Batch: 43925

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	709		248	946.2		ma/Ka		96	90 - 110	

Lab Sample ID: 890-3823-A-4-D MSD

Matrix: Solid

Analysis Batch: 43925

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	709		248	942.3		mg/Kg		94	90 - 110	0	20

Client: Ensolum Job ID: 890-3824-1 Project/Site: PLU PC 2 SDG: 03C1558148

GC VOA

Prep Batch: 43832

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-43832/5-B	Method Blank	Total/NA	Solid	5035	

Prep Batch: 43835

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3824-1	SS08	Total/NA	Solid	5035	
890-3824-2	SS09	Total/NA	Solid	5035	
890-3824-3	SS10	Total/NA	Solid	5035	
MB 880-43835/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-43835/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-43835/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-3823-A-1-C MS	Matrix Spike	Total/NA	Solid	5035	
890-3823-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 43866

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3824-1	SS08	Total/NA	Solid	8021B	43835
890-3824-2	SS09	Total/NA	Solid	8021B	43835
890-3824-3	SS10	Total/NA	Solid	8021B	43835
MB 880-43832/5-B	Method Blank	Total/NA	Solid	8021B	43832
MB 880-43835/5-A	Method Blank	Total/NA	Solid	8021B	43835
LCS 880-43835/1-A	Lab Control Sample	Total/NA	Solid	8021B	43835
LCSD 880-43835/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	43835
890-3823-A-1-C MS	Matrix Spike	Total/NA	Solid	8021B	43835
890-3823-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	43835

Analysis Batch: 44105

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3824-1	SS08	Total/NA	Solid	Total BTEX	
890-3824-2	SS09	Total/NA	Solid	Total BTEX	
890-3824-3	SS10	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 43837

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3824-1	SS08	Total/NA	Solid	8015NM Prep	
890-3824-2	SS09	Total/NA	Solid	8015NM Prep	
890-3824-3	SS10	Total/NA	Solid	8015NM Prep	
MB 880-43837/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-43837/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-43837/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-23613-A-1-D MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-23613-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 43854

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3824-1	SS08	Total/NA	Solid	8015B NM	43837
890-3824-2	SS09	Total/NA	Solid	8015B NM	43837
890-3824-3	SS10	Total/NA	Solid	8015B NM	43837
MB 880-43837/1-A	Method Blank	Total/NA	Solid	8015B NM	43837
LCS 880-43837/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	43837

 Client: Ensolum
 Job ID: 890-3824-1

 Project/Site: PLU PC 2
 SDG: 03C1558148

GC Semi VOA (Continued)

Analysis Batch: 43854 (Continued)

Lab Sa	mple ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 8	380-43837/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	43837
880-236	613-A-1-D MS	Matrix Spike	Total/NA	Solid	8015B NM	43837
880-236	613-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	43837

Analysis Batch: 44031

Lab Sample ID 890-3824-1	Client Sample ID SS08	Prep Type Total/NA	Matrix Solid	Method 8015 NM	Prep Batch
890-3824-2	SS09	Total/NA	Solid	8015 NM	
890-3824-3	SS10	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 43825

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3824-1	SS08	Soluble	Solid	DI Leach	
890-3824-2	SS09	Soluble	Solid	DI Leach	
890-3824-3	SS10	Soluble	Solid	DI Leach	
MB 880-43825/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-43825/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-43825/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-3823-A-4-C MS	Matrix Spike	Soluble	Solid	DI Leach	
890-3823-A-4-D MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 43925

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3824-1	SS08	Soluble	Solid	300.0	43825
890-3824-2	SS09	Soluble	Solid	300.0	43825
890-3824-3	SS10	Soluble	Solid	300.0	43825
MB 880-43825/1-A	Method Blank	Soluble	Solid	300.0	43825
LCS 880-43825/2-A	Lab Control Sample	Soluble	Solid	300.0	43825
LCSD 880-43825/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	43825
890-3823-A-4-C MS	Matrix Spike	Soluble	Solid	300.0	43825
890-3823-A-4-D MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	43825

Job ID: 890-3824-1

SDG: 03C1558148

Client Sample ID: SS08

Client: Ensolum

Project/Site: PLU PC 2

Lab Sample ID: 890-3824-1

Matrix: Solid

Date Collected: 01/10/23 13:00 Date Received: 01/11/23 10:55

Batch

Batch

Batch	Prepared		
Number	or Analyzed	Analyst	Lab
43835	01/12/23 14:58	MNR	EET MID
43866	01/14/23 14:46	MNR	EET MID
44405	04/40/00 47 00		EET MID

Time									
Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Prep	5035			5.01 g	5 mL	43835	01/12/23 14:58	MNR	EET MID
Analysis	8021B		1	5 mL	5 mL	43866	01/14/23 14:46	MNR	EET MID
Analysis	Total BTEX		1			44105	01/16/23 17:00	AJ	EET MID
Analysis	8015 NM		1			44031	01/16/23 16:35	AJ	EET MID
Prep	8015NM Prep			10.03 g	10 mL	43837	01/12/23 15:11	DM	EET MID
Analysis	8015B NM		1	1 uL	1 uL	43854	01/14/23 03:32	AJ	EET MID
Leach	DI Leach			5 g	50 mL	43825	01/12/23 14:05	KS	EET MID
Analysis	300.0		1			43925	01/14/23 05:17	CH	EET MID
	Prep Analysis Analysis Analysis Prep Analysis Leach	Prep 5035 Analysis 8021B Analysis Total BTEX Analysis 8015 NM Prep 8015NM Prep Analysis 8015B NM Leach DI Leach	Prep 5035 Analysis 8021B Analysis Total BTEX Analysis 8015 NM Prep 8015NM Prep Analysis 8015B NM Leach DI Leach	Prep 5035 Analysis 8021B 1 Analysis Total BTEX 1 Analysis 8015 NM 1 Prep 8015NM Prep Analysis 8015B NM 1 Leach DI Leach	Prep 5035 5.01 g Analysis 8021B 1 5 mL Analysis Total BTEX 1 1 Analysis 8015 NM 1 1 Prep 8015NM Prep 10.03 g 1 Analysis 8015B NM 1 1 uL Leach DI Leach 5 g	Prep 5035 5.01 g 5 mL Analysis 8021B 1 5 mL 5 mL Analysis Total BTEX 1 1 Analysis 8015 NM 1 1 Prep 8015 NM Prep 10.03 g 10 mL Analysis 8015B NM 1 1 uL 1 uL Leach DI Leach 5 g 50 mL	Prep 5035 5.01 g 5 mL 43835 Analysis 8021B 1 5 mL 5 mL 43866 Analysis Total BTEX 1 44105 Analysis 8015 NM 1 44031 Prep 8015NM Prep 10.03 g 10 mL 43837 Analysis 8015B NM 1 1 uL 1 uL 43854 Leach DI Leach 5 g 50 mL 43825	Prep 5035 5.01 g 5 mL 43835 01/12/23 14:58 Analysis 8021B 1 5 mL 5 mL 43866 01/14/23 14:46 Analysis Total BTEX 1 44105 01/16/23 17:00 Analysis 8015 NM 1 44031 01/16/23 16:35 Prep 8015NM Prep 10.03 g 10 mL 43837 01/12/23 15:11 Analysis 8015B NM 1 1 uL 1 uL 43854 01/14/23 03:32 Leach DI Leach 5 g 50 mL 43825 01/12/23 14:05	Prep 5035 5.01 g 5 mL 43835 01/12/23 14:58 MNR Analysis 8021B 1 5 mL 5 mL 43866 01/14/23 14:46 MNR Analysis Total BTEX 1 44105 01/16/23 17:00 AJ Analysis 8015 NM 1 44031 01/16/23 16:35 AJ Prep 8015NM Prep 10.03 g 10 mL 43837 01/12/23 15:11 DM Analysis 8015B NM 1 1 uL 1 uL 43854 01/14/23 03:32 AJ Leach DI Leach 5 g 50 mL 43825 01/12/23 14:05 KS

Initial

Final

Dil

Client Sample ID: SS09 Lab Sample ID: 890-3824-2

Date Collected: 01/10/23 13:10 Matrix: Solid

Date Received: 01/11/23 10:55

	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	43835	01/12/23 14:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43866	01/14/23 15:07	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			44105	01/16/23 17:00	AJ	EET MID
Total/NA	Analysis	8015 NM		1			44031	01/16/23 16:35	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	43837	01/12/23 15:11	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43854	01/14/23 03:54	AJ	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	43825	01/12/23 14:05	KS	EET MID
Soluble	Analysis	300.0		1			43925	01/14/23 05:22	CH	EET MID

Client Sample ID: SS10 Lab Sample ID: 890-3824-3

Date Collected: 01/10/23 13:20 Date Received: 01/11/23 10:55

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	43835	01/12/23 14:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	43866	01/14/23 15:27	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			44105	01/16/23 17:00	AJ	EET MID
Total/NA	Analysis	8015 NM		1			44031	01/16/23 16:35	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	43837	01/12/23 15:11	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	43854	01/14/23 04:16	AJ	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	43825	01/12/23 14:05	KS	EET MID
Soluble	Analysis	300.0		1			43925	01/14/23 05:28	CH	EET MID

Laboratory References:

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

Eurofins Carlsbad

Matrix: Solid

Accreditation/Certification Summary

 Client: Ensolum
 Job ID: 890-3824-1

 Project/Site: PLU PC 2
 SDG: 03C1558148

Laboratory: Eurofins Midland

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

uthority		ogram	Identification Number	Expiration Date	
Texas	NELAP		T104704400-22-25	06-30-23	
The following analytes	are included in this report by	it the leberatory is not contiffi	iad butba gaugeming authority. This list ma		
the agency does not of		it the laboratory is not certifi	ied by the governing authority. This list ma	ay include analytes for v	
,		Matrix	Analyte	ay include analytes for v	
the agency does not of	fer certification.	•	, , ,	ay include analytes for v	

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1 4

Method Summary

Job ID: 890-3824-1 Client: Ensolum Project/Site: PLU PC 2

SDG: 03C1558148

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

Protocol References:

ASTM = ASTM International

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Ensolum Project/Site: PLU PC 2 Job ID: 890-3824-1

SDG: 03C1558148

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Dep
890-3824-1	SS08	Solid	01/10/23 13:00	01/11/23 10:55	0.5
890-3824-2	SS09	Solid	01/10/23 13:10	01/11/23 10:55	0.5
890-3824-3	SS10	Solid	01/10/23 13:20	01/11/23 10:55	0.5

13

	eurofins :
Xenco	Environment Testing

Project Manager

ompany Name:

actes How

Bill to: (if different) ompany Name:

Granety

State of Project:

Program:

UST/PST PRP Brownfields

RRC _

Superfund [

Work Order Comments

www.xenco.com

Reporting: Level II 🔲 Level III 🔲

PST/UST

TRRP

Level IV

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300 Chain of Custody

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

H ₂ SO ₄ : H ₂ H ₃ PO ₄ : HP NaHSO ₄ : NABIS Na ₂ S ₂ O ₃ : NABIS Na ₂	Cd Ca Cr Cd Ca Cr Cd Cr Co C Cd Cr Co C Relin fisch losses t analyzed. These	I Sb As Ba Be B C A Sb As Ba Be B C A Sb As Ba Be Cd to Eurofins Xenco, its affiliates a respenses incurred by the client ed to Eurofins Xenco, but not a model to Eurofins Xenco, but not a pate/Time	1320 % G 1220 %	8RCRA 13PPM TCLP / SPL Tolets a valid purchase order hall not assume any responsi roject and a charge of \$5 for roject and a charge of \$5 for	20: De analyzed De analyzed Tof samples constitutes of samples constitutes de applied to each project Received	0 200.8 / 6020: and Metal(s) to be and relinquishment of lilb e liable only for the cost of m charge of \$85.00 will be apple (Signature)	Stico Signature of this document and relinquishment of samples const of service. Eurofins Xenco will be liable only for the cost of samples and feurofins Xenco. A minimum charge of \$85.00 will be applied to each of Relinquished by: (Signature) Recent State of Sta
H ₂ S0 ₄ : H ₂ H ₃ PO ₄ : HP NaHSO ₄ : NABIS Na ₂ S ₂ O ₃ : NABIS Na ₂ O ₃ :	3 Cd Ca Cr Co Cu Fe Pb Mg Cd Cr Co Cu Pb Mn Mo Ni So Les and subcontractors. It assigns standard terms Les and subcontractors are due to circumstances beyond analyzed. These terms will be enforced unless Relinquished by: (Signatur	b As Ba Be B Sb As Ba Be B Sb As Ba Be B Sb As Ba Be Sb As Ba Be Scured by the 6 Burofins Xenco, but n Date/Time	Texas 11 Al S P 6010 : BRCRA P 6010 : BRCRA point company to E pach sample submitted to	8RCRA 13PPM TCLP / SPL a valid purchase order to a valid purchase order to a sum any responsion of assume any responsion and a charge of 55 for the angle of 55 for the an	\$ 1-10 20: De analyzed De analyzed stof samples constitutes st of samples do each project applied to	0 200.8 / 60 and Metal(s) to be ment and relinquishmen. Ill be liable only for the committee of \$85.00 will be (Signature)	Total 200.7 / 601 Total 200.7 / 601 Total 200.7 / 601 Total 200.7 / 601 Relinquished by:
H ₂ SO ₄ : H ₂ H ₃ PO ₄ : HP NaHSO ₄ : NABIS Na ₂ S ₂ O ₃ : NASIS Na ₂ S ₁ O ₂ : NASIS Na ₂ O ₃ : NASIS Na ₃ O ₃ : NASIS Na ₂ O ₃ : NASIS Na ₃	Cd Ca Cr Co Cu Fe Pb Mg Cd Cr Co Cu Pb Mn Mo Ni So Cd Cr Co Cu Pb Mn Mo Ni So tes and subcontractors, it assigns standard term ties the bosses are due to circumstances beyon of analyzed. These terms will be enforced unless	b As Ba Be B Sb As Ba Be B Sb As Ba Be Be sense incurred by the enses incurred by the burnofins Xenco, burn	Texas 11 Al S P 6010: 8RCRA om client company to Eu sech sample submitted to	8RCRA 13PPM TCLP/SPL a valid purchase order for assume any responsil	20: De analyzed Oe analyzed st of samples constitutes st of samples and shall n	0 200.8 / 60 and Metal(s) to be liable only for the co	Total 200.7 / 601 Total 200.7 / 601 Total Eurofins Xenco winke. Eurofins Xenco winkins Xenco winkins Xenco winkins Xenco winkins Xenco. A minimu
#3.50 a; H2 H3.90 a; H9 NaHSO a; NABIS Na3.5 2,0 3; NaSO 3 Zn Acetate +NaOH NaOH + Ascorbic Ac Sample Con CC // 03/2C/66 // 03/2C/66 MM Mo Ni K Se Ag SiO ₂ Na Sr Tl Sn U V Zn Ag Tl U Hg: 1631 / 245.1 / 7470 / 7471	Cd Ca Cr Co Cu Fe Pb Mg	b As Ba Be B	1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	1320 8RCRA 13PPM		0 200.8 / 60	509 10 otal 200.7 / 601
H ₂ SO ₄ : H ₂ H ₃ PO ₂ : HP NaHSO ₄ : NABIS Na ₂ S ₂ O ₃ : NASO Zn Acetate+NaO NaOH+Ascorbic J Sample Co CC JOS/2CJ 6				1320	7.70		100
H ₂ SO ₄ : H ₂ H ₃ PO ₂ : HP NaHSO ₄ : NABIS Na ₂ S ₂ O ₃ : NASIS Na ₂ S ₂ O ₃ : NASIS Na ₂ S ₂ O ₃ : NASIO Zn Acetate + NaO NaOH+Ascorbic / Sample Co CC //D3/2C/6				1320	20-7		100
H ₂ SO ₄ : H ₂ H ₃ PO ₄ : HP NaHSO ₄ : NABIS Na ₂ S ₂ O ₃ : NaSO ₃ Zn Acetate+NaOH NaOH+Ascorbic Ac Sample Con CC IDS/12C/6C		1		0251	2 1-10		109
H ₂ SO ₄ : H ₂ H ₃ PO ₄ : HP NaHSO ₄ : NABIS Na ₂ S ₂ O ₃ : NaSO ₃ Zn Acetate+NaOH: NaOH+Ascorbic Ac Sample Con CC ID3/12C/6C	\	1	100	12/10			109
H ₂ SO ₄ : H ₂ H ₃ PO ₄ : HP NaHSO ₄ : NABIS Na ₂ S ₂ O ₃ : NaSO ₃ Zn Acetate+NaOH NaOH+Ascorbic Ac Sample Con		1		ころう	5 1-10		
H ₂ SO ₄ : H ₂ H ₃ PO ₄ : HP NaHSO ₄ : NABIS Na ₂ S ₂ O ₃ : NaSO ₃ Zn Acetate+NaOH NaOH+Ascorbic Ac Sample Con	1	1	1 5 3	1300	5 1-10		000
H ₂ SO ₄ : H ₂ H ₃ PO ₄ : HP NaHSO ₄ : NABIS Na ₂ S ₂ O ₃ : NaSO ₃ Zn Acetate+NaOH NaOH+Ascorbic Ac	7	B	Depth Grab/ # of Comp Cont	Time Sampled	Matrix Sampled		Sample Identification
H ₂ SO ₄ : H ₂ H ₃ PO ₄ : HP NaHSO ₄ : NABIS Na ₂ S ₂ O ₃ : NASO ₃ Zn Accetate+NaOH	PH	H	50	Corrected Temperature:	Corrected		Total Containers:
	800-3824 Chain		10	Temperature Reading:	4	Yes No N/A	Sample Custody Seals:
			0	eterTD: NM	4	CY	Samples Received Intact:
			Yes No	Wet Ice:	ink: (Yes No	Temp Blank:	SAMPLE RECEIPT
				the lab, if received by 4:30pm)	1	
HCL: HC HNO 3: HN			y received by	TAT starts the day received by		CB/	Sampler's Name:
Cool: Cool MeOH: Me				Due Date:	0	Edd 6	Project Location:
None: NO DI Water: H ₂ O		67	Rush Code	Routine	8418	636155	Project Number:
JEST Preservative Codes	ANALYSIS REQUEST		ound	Turn Around	c 2	PLU P	Project Name:
Deliverables: EDD ADaPT Other:				Email:	1-0852	989-884-0852	Phone:
Evelii C Feverii C F37/031			City, State ZIP:	19779	NW	Carlsbad	City, State ZIP:

Work Order No:

Login Sample Receipt Checklist

Client: Ensolum Job Number: 890-3824-1 SDG Number: 03C1558148

Login Number: 3824 List Source: Eurofins Carlsbad

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	

Login Sample Receipt Checklist

Client: Ensolum

Job Number: 890-3824-1

SDG Number: 03C1558148

List Source: Eurofins Midland List Creation: 01/12/23 10:37 AM

Creator: Rodriguez, Leticia

Login Number: 3824

List Number: 2

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

<6mm (1/4").

Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Ben Belill Ensolum

601 N. Marienfeld St.

Suite 400

Midland, Texas 79701

Generated 2/13/2023 6:39:26 PM

JOB DESCRIPTION

PLU C2 Recycle Facility SDG NUMBER 03C1558148

JOB NUMBER

890-4026-1

Eurofins Carlsbad 1089 N Canal St. Carlsbad NM 88220

Eurofins Carlsbad

Job Notes

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

Generated 2/13/2023 6:39:26 PM

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

Companies

Client: Ensolum
Project/Site: PLU C2 Recycle Facility
Laboratory Job ID: 890-4026-1
SDG: 03C1558148

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Definitions/Glossary

Job ID: 890-4026-1 Client: Ensolum Project/Site: PLU C2 Recycle Facility SDG: 03C1558148

Qualifiers

GC VOA

Qualifier **Qualifier Description** S1+ Surrogate recovery exceeds control limits, high biased.

U Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier **Qualifier Description**

LCS and/or LCSD is outside acceptance limits, low biased. S1-Surrogate recovery exceeds control limits, low biased. 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.

¤ 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 Contains No Free Liquid **CNF**

Duplicate Error Ratio (normalized absolute difference) DER

Dil Fac **Dilution Factor**

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) Limit of Quantitation (DoD/DOE) LOQ

MCL EPA recommended "Maximum Contaminant Level" MDA Minimum Detectable Activity (Radiochemistry)

MDC Minimum Detectable Concentration (Radiochemistry)

Method Detection Limit

ML Minimum Level (Dioxin) MPN Most Probable Number MOI Method Quantitation Limit

NC Not Calculated

MDL

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

NEG Negative / Absent POS Positive / Present

Practical Quantitation Limit PQL

PRES Presumptive **Quality Control** QC

Relative Error Ratio (Radiochemistry) **RER**

Reporting Limit or Requested Limit (Radiochemistry) RL

RPD Relative Percent Difference, a measure of the relative difference between two points

Toxicity Equivalent Factor (Dioxin) TEF Toxicity Equivalent Quotient (Dioxin) **TEQ**

TNTC Too Numerous To Count

Case Narrative

Client: Ensolum

Project/Site: PLU C2 Recycle Facility

Job ID: 890-4026-1

SDG: 03C1558148

Job ID: 890-4026-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative 890-4026-1

Receipt

The samples were received on 2/3/2023 11:50 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 3.4°C

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: PH01 (890-4026-1), PH02 (890-4026-2), PH03 (890-4026-3), PH03A (890-4026-4), PH04 (890-4026-5), PH05 (890-4026-6), PH06 (890-4026-7) and PH07 (890-4026-8).

GC VOA

Method 8021B: Surrogate recovery for the following samples were outside control limits: PH03A (890-4026-4) and PH07 (890-4026-8). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

GC Semi VOA

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-45800 and analytical batch 880-46050 was outside the control limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (890-4017-A-2-B), (890-4017-A-2-C MS) and (890-4017-A-2-D MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: PH01 (890-4026-1) and PH02 (890-4026-2). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: The laboratory control sample (LCS) associated with preparation batch 880-45800 and analytical batch 880-46050 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 surrogate recovery for the blank associated with preparation batch 880-45802 and analytical batch 880-45951 was outside the control limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (890-4031-A-21-D), (890-4031-A-21-E MS) and (890-4031-A-21-F MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: PH03 (890-4026-3), PH03A (890-4026-4), PH04 (890-4026-5), PH05 (890-4026-6), PH06 (890-4026-7) and PH07 (890-4026-8). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

HPI C/IC

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-45661 and analytical batch 880-45709 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: Ensolum Project/Site: PLU C2 Recycle Facility

Job ID: 890-4026-1

02/13/23 18:49

SDG: 03C1558148

Client Sample ID: PH01 Lab Sample ID: 890-4026-1 Date Collected: 02/02/23 09:15

Matrix: Solid

Date Received: 02/03/23 11:50 Sample Depth: 2'

Total BTEX

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		02/10/23 10:54	02/10/23 22:15	1
Toluene	<0.00201	U	0.00201	mg/Kg		02/10/23 10:54	02/10/23 22:15	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		02/10/23 10:54	02/10/23 22:15	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	mg/Kg		02/10/23 10:54	02/10/23 22:15	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		02/10/23 10:54	02/10/23 22:15	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		02/10/23 10:54	02/10/23 22:15	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	128		70 - 130			02/10/23 10:54	02/10/23 22:15	1
1,4-Difluorobenzene (Surr)	97		70 - 130			02/10/23 10:54	02/10/23 22:15	1
Method: TAL SOP Total BTEX	- Total BTEX Cald	culation						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)										
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac		
Total TPH	<49.7	U	49.7	mg/Kg			02/13/23 14:26	1		

0.00402

mg/Kg

Method: SW846 8015B NM - Dies	sel Range Orga	inics (DRO)	(GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.7	U	49.7	mg/Kg		02/08/23 13:01	02/11/23 19:24	1
(GRO)-C6-C10								
Diesel Range Organics (Over	<49.7	U *-	49.7	mg/Kg		02/08/23 13:01	02/11/23 19:24	1
C10-C28)								
Oll Range Organics (Over C28-C36)	<49.7	U	49.7	mg/Kg		02/08/23 13:01	02/11/23 19:24	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	45	S1-	70 - 130			02/08/23 13:01	02/11/23 19:24	1
o-Terphenyl	52	S1-	70 - 130			02/08/23 13:01	02/11/23 19:24	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac		
Chloride	160	4.97	mg/Kg			02/07/23 17:25	1		

Client Sample ID: PH02 Lab Sample ID: 890-4026-2

Date Collected: 02/02/23 09:45 Date Received: 02/03/23 11:50

<0.00402 U

Sample Depth: 3'

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		02/10/23 10:54	02/10/23 22:42	1
Toluene	<0.00200	U	0.00200	mg/Kg		02/10/23 10:54	02/10/23 22:42	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		02/10/23 10:54	02/10/23 22:42	1
m-Xylene & p-Xylene	<0.00401	U	0.00401	mg/Kg		02/10/23 10:54	02/10/23 22:42	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		02/10/23 10:54	02/10/23 22:42	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		02/10/23 10:54	02/10/23 22:42	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	120		70 - 130			02/10/23 10:54	02/10/23 22:42	

Eurofins Carlsbad

Matrix: Solid

Project/Site: PLU C2 Recycle Facility

Client: Ensolum

Job ID: 890-4026-1

SDG: 03C1558148

Client Sample ID: PH02

Date Collected: 02/02/23 09:45 Date Received: 02/03/23 11:50

Sample Depth: 3'

Lab Sample ID: 890-4026-2

Matrix: Solid

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

%Recovery Qualifier Limits Prepared Surrogate Analyzed Dil Fac 70 - 130 02/10/23 10:54 1,4-Difluorobenzene (Surr) 93 02/10/23 22:42

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte Result Qualifier RL Unit D Analyzed Dil Fac Prepared Total BTEX <0.00401 0.00401 02/13/23 18:49 mg/Kg

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

RL Unit D Prepared Analyzed Dil Fac Total TPH <50.0 50.0 mg/Kg 02/13/23 14:26

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

Analyte Result Qualifier RL Unit D Prepared Analyzed Dil Fac <50.0 U 50.0 02/08/23 13:01 02/11/23 19:45 Gasoline Range Organics mg/Kg (GRO)-C6-C10 <50.0 U *-50.0 mg/Kg 02/08/23 13:01 02/11/23 19:45 Diesel Range Organics (Over C10-C28) 02/08/23 13:01 OII Range Organics (Over C28-C36) <50.0 U 50.0 mg/Kg 02/11/23 19:45

Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac 1-Chlorooctane 53 S1-70 - 130 02/08/23 13:01 02/11/23 19:45 o-Terphenyl 59 S1-70 - 130 02/08/23 13:01 02/11/23 19:45

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte Result Qualifier RL Unit D Prepared Analyzed Dil Fac 5.03 02/07/23 17:44 Chloride 136 mg/Kg

Lab Sample ID: 890-4026-3 **Client Sample ID: PH03**

Date Collected: 02/02/23 10:15

Date Received: 02/03/23 11:50

Sample Depth: 1'

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 02/10/23 10:54 02/10/23 23:08 Toluene <0.00199 U 0.00199 02/10/23 10:54 02/10/23 23:08 mg/Kg Ethylbenzene <0.00199 U 0.00199 02/10/23 10:54 02/10/23 23:08 mg/Kg 02/10/23 23:08 m-Xylene & p-Xylene <0.00398 U 0.00398 02/10/23 10:54 mg/Kg o-Xylene <0.00199 U 0.00199 mg/Kg 02/10/23 10:54 02/10/23 23:08 Xylenes, Total <0.00398 U 0.00398 mg/Kg 02/10/23 10:54 02/10/23 23:08

%Recovery Qualifier Limits Dil Fac Surrogate Prepared Analyzed 70 - 130 02/10/23 10:54 4-Bromofluorobenzene (Surr) 130 02/10/23 23:08 1,4-Difluorobenzene (Surr) 92 70 - 130 02/10/23 10:54 02/10/23 23:08

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte Result Qualifier RL D Unit Prepared Analyzed Dil Fac Total BTEX <0.00398 0.00398 02/13/23 18:49 mg/Kg

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

Analyte Result Qualifier RL Unit D Prepared Analyzed Dil Fac <49.9 U Total TPH 49.9 mg/Kg 02/13/23 17:08

Eurofins Carlsbad

Matrix: Solid

Job ID: 890-4026-1

Client: Ensolum Project/Site: PLU C2 Recycle Facility SDG: 03C1558148

Client Sample ID: PH03 Lab Sample ID: 890-4026-3 Date Collected: 02/02/23 10:15

Matrix: Solid

Sample Depth: 1'

Date Received: 02/03/23 11:50

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.9	U	49.9	mg/Kg		02/08/23 13:10	02/10/23 15:49	1
(GRO)-C6-C10								
Diesel Range Organics (Over	<49.9	U	49.9	mg/Kg		02/08/23 13:10	02/10/23 15:49	1
C10-C28)								
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		02/08/23 13:10	02/10/23 15:49	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	51	S1-	70 - 130			02/08/23 13:10	02/10/23 15:49	1
o-Terphenyl	57	S1-	70 - 130			02/08/23 13:10	02/10/23 15:49	1
Method: EPA 300.0 - Anions, Ion	Chromatograp	hy - Solubl	e					
A I. d -	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Analyte	Result							

Lab Sample ID: 890-4026-4 Client Sample ID: PH03A Date Collected: 02/02/23 10:45 Matrix: Solid

Date Received: 02/03/23 11:50

Sample Depth: 3'

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		02/10/23 10:54	02/10/23 23:35	1
Toluene	<0.00199	U	0.00199	mg/Kg		02/10/23 10:54	02/10/23 23:35	1
Ethylbenzene	< 0.00199	U	0.00199	mg/Kg		02/10/23 10:54	02/10/23 23:35	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		02/10/23 10:54	02/10/23 23:35	1
o-Xylene	< 0.00199	U	0.00199	mg/Kg		02/10/23 10:54	02/10/23 23:35	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		02/10/23 10:54	02/10/23 23:35	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	138	S1+	70 - 130			02/10/23 10:54	02/10/23 23:35	1
1,4-Difluorobenzene (Surr)	93		70 - 130			02/10/23 10:54	02/10/23 23:35	1
- Method: TAL SOP Total BTEX - T	otal BTEX Cald	culation						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			02/13/23 18:49	1
* =								
Made at OWO 40 CO45 NM Diver	I D	(DDO) (00)					
			•	11-14	_	Burnand	Amakanad	D!! F
Method: SW846 8015 NM - Diese Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
		Qualifier	•	Unit mg/Kg	<u>D</u>	Prepared	Analyzed 02/13/23 17:08	Dil Fac
Analyte Total TPH	Result < 50.0	Qualifier U	50.0		<u>D</u>	Prepared		
Analyte Total TPH	Result <50.0 sel Range Orga	Qualifier U	50.0		<u>D</u>	Prepared Prepared		
Analyte Total TPH Method: SW846 8015B NM - Dies	Result <50.0 sel Range Orga	Qualifier Unics (DRO) Qualifier	RL 50.0	mg/Kg			02/13/23 17:08	1
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10	Result <50.0 sel Range Orga	Qualifier U nics (DRO) Qualifier U	RL 50.0 (GC)	mg/Kg		Prepared	02/13/23 17:08 Analyzed	1 Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics	Result <50.0 sel Range Orga Result <50.0	Qualifier U nics (DRO) Qualifier U	(GC) RL 50.0	mg/Kg Unit mg/Kg		Prepared 02/08/23 13:10	02/13/23 17:08 Analyzed 02/10/23 16:11	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result <50.0 sel Range Orga Result <50.0	Qualifier U nics (DRO) Qualifier U	(GC) RL 50.0	mg/Kg Unit mg/Kg		Prepared 02/08/23 13:10	02/13/23 17:08 Analyzed 02/10/23 16:11	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result <50.0	Qualifier U nics (DRO) Qualifier U U	RL 50.0 (GC) RL 50.0 50.0	mg/Kg Unit mg/Kg mg/Kg		Prepared 02/08/23 13:10 02/08/23 13:10	02/13/23 17:08 Analyzed 02/10/23 16:11 02/10/23 16:11	1 Dil Fac 1
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	Result <50.0	Qualifier U nics (DRO) Qualifier U U	RL 50.0 (GC) RL 50.0 50.0 50.0	mg/Kg Unit mg/Kg mg/Kg		Prepared 02/08/23 13:10 02/08/23 13:10 02/08/23 13:10	02/13/23 17:08 Analyzed 02/10/23 16:11 02/10/23 16:11	1 Dil Fac 1

Client: Ensolum Project/Site: PLU C2 Recycle Facility Job ID: 890-4026-1 SDG: 03C1558148

Client Sample ID: PH03A

Lab Sample ID: 890-4026-4

Date Collected: 02/02/23 10:45 Date Received: 02/03/23 11:50

Matrix: Solid

Sample Depth: 3'

Method: EPA 300.0 - Anions, Ion C	hromatograp	hy - Soluble	9					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	126		4.98	mg/Kg			02/07/23 17:56	1

Client Sample ID: PH04 Lab Sample ID: 890-4026-5

Date Collected: 02/02/23 11:15 **Matrix: Solid**

Date Received: 02/03/23 11:50

Sample Depth: 2'

(GRO)-C6-C10

C10-C28)

Diesel Range Organics (Over

Analyte								
Allalyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		02/10/23 10:54	02/11/23 01:21	1
Toluene	< 0.00199	U	0.00199	mg/Kg		02/10/23 10:54	02/11/23 01:21	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		02/10/23 10:54	02/11/23 01:21	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		02/10/23 10:54	02/11/23 01:21	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		02/10/23 10:54	02/11/23 01:21	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		02/10/23 10:54	02/11/23 01:21	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	120		70 - 130			02/10/23 10:54	02/11/23 01:21	1
1,4-Difluorobenzene (Surr)	93		70 - 130			02/10/23 10:54	02/11/23 01:21	1
- -								
Mathada TAL COD Tatal DTCV	Takal DTEV Cal							
Method: TAL SOP Total BTEX Analyte		culation Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
		Qualifier	RL	Unit mg/Kg	<u>D</u>	Prepared	Analyzed 02/13/23 18:49	Dil Fac
Analyte Total BTEX	<0.00398	Qualifier U	0.00398		<u>D</u>	Prepared		Dil Fac
Analyte	Result <0.00398 esel Range Organ	Qualifier U	0.00398		<u>D</u>	Prepared Prepared		Dil Fac Dil Fac
Analyte Total BTEX Method: SW846 8015 NM - Die	Result <0.00398 esel Range Organ	Qualifier U ics (DRO) (C	0.00398 GC)	mg/Kg			02/13/23 18:49	1
Analyte Total BTEX Method: SW846 8015 NM - Die Analyte	Result <0.00398 esel Range Organ Result <49.9	Qualifier U ics (DRO) (Comparison of the property of the prope	0.00398 GC) RL 49.9	mg/Kg			02/13/23 18:49 Analyzed	1
Analyte Total BTEX Method: SW846 8015 NM - Die Analyte Total TPH	Result <0.00398 esel Range Organ Result <49.9 ilesel Range Orga	Qualifier U ics (DRO) (Comparison of the property of the prope	0.00398 GC) RL 49.9	mg/Kg			02/13/23 18:49 Analyzed	1

	OII Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg	02/08/23 13:10	02/10/23 16:32	1
	Surrogate	%Recovery	Qualifier	Limits		Prepared	Analyzed	Dil Fac
ı	1-Chlorooctane	52	S1-	70 - 130		02/08/23 13:10	02/10/23 16:32	1
	o-Terphenyl	60	S1-	70 - 130		02/08/23 13:10	02/10/23 16:32	1

49.9

mg/Kg

02/08/23 13:10

02/10/23 16:32

<49.9 U

Method: EPA 300.0 - Anions, Ion Ch	romatography - Soluble						
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	108	4.97	mg/Kg			02/07/23 18:02	1

Matrix: Solid

Lab Sample ID: 890-4026-6

Client Sample Results

Client: Ensolum Job ID: 890-4026-1
Project/Site: PLU C2 Recycle Facility SDG: 03C1558148

Client Sample ID: PH05

Date Collected: 02/02/23 11:45 Date Received: 02/03/23 11:50

Sample Depth: 1'

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		02/10/23 10:54	02/11/23 01:48	1
Toluene	<0.00199	U	0.00199	mg/Kg		02/10/23 10:54	02/11/23 01:48	1
Ethylbenzene	< 0.00199	U	0.00199	mg/Kg		02/10/23 10:54	02/11/23 01:48	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		02/10/23 10:54	02/11/23 01:48	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		02/10/23 10:54	02/11/23 01:48	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		02/10/23 10:54	02/11/23 01:48	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	130		70 - 130			02/10/23 10:54	02/11/23 01:48	1
1,4-Difluorobenzene (Surr)	91		70 - 130			02/10/23 10:54	02/11/23 01:48	1
Method: TAL SOP Total BTEX - 1	Total BTEX Cald	culation						
	D14	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Analyte	Result	Qualifier	RL.	Oilit	U	riepaieu	7 tilaly 20 a	
Analyte Total BTEX	<0.00398		0.00398	mg/Kg		Frepareu	02/13/23 18:49	1
Total BTEX	<0.00398	U	0.00398		=	Fiepaieu		1
Total BTEX Method: SW846 8015 NM - Diese	<0.00398	ics (DRO) (0.00398 GC)	mg/Kg				1
Total BTEX	<0.00398	U	0.00398			Prepared		1 Dil Fac
Total BTEX Method: SW846 8015 NM - Diese	<0.00398	ics (DRO) (Qualifier	0.00398 GC)	mg/Kg			02/13/23 18:49	1
Total BTEX Method: SW846 8015 NM - Diese Analyte	<0.00398 el Range Organ Result <49.9	ics (DRO) (Gualifier	0.00398 GC) RL 49.9	mg/Kg			02/13/23 18:49 Analyzed	1
Total BTEX Method: SW846 8015 NM - Diese Analyte Total TPH	<0.00398 el Range Organ Result <49.9 sel Range Orga	ics (DRO) (Gualifier	0.00398 GC) RL 49.9	mg/Kg			02/13/23 18:49 Analyzed	1
Total BTEX Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese	<0.00398 el Range Organ Result <49.9 sel Range Orga	ics (DRO) ((Qualifier U)	0.00398 GC) RL 49.9	mg/Kg Unit mg/Kg	<u>D</u>	Prepared	02/13/23 18:49 Analyzed 02/13/23 17:08	Dil Fac
Total BTEX Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte	<0.00398 el Range Organ Result <49.9 sel Range Orga Result	ics (DRO) ((Qualifier U)	0.00398 GC) RL 49.9 (GC) RL	mg/Kg Unit mg/Kg Unit	<u>D</u>	Prepared Prepared	02/13/23 18:49 Analyzed 02/13/23 17:08 Analyzed	Dil Fac Dil Fac
Total BTEX Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics	<0.00398 el Range Organ Result <49.9 sel Range Orga Result	ics (DRO) (CQualifier Unics (DRO) Qualifier U	0.00398 GC) RL 49.9 (GC) RL	mg/Kg Unit mg/Kg Unit	<u>D</u>	Prepared Prepared	02/13/23 18:49 Analyzed 02/13/23 17:08 Analyzed	Dil Fac Dil Fac
Total BTEX Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10	<0.00398 el Range Organ Result <49.9 sel Range Orga Result <49.9	ics (DRO) (CQualifier Unics (DRO) Qualifier U	0.00398 GC) RL 49.9 (GC) RL 49.9	mg/Kg Unit mg/Kg Unit mg/Kg	<u>D</u>	Prepared Prepared 02/08/23 13:10	02/13/23 18:49 Analyzed 02/13/23 17:08 Analyzed 02/10/23 16:54	Dil Fac Dil Fac 1
Total BTEX Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	<0.00398 el Range Organ Result <49.9 sel Range Orga Result <49.9	ics (DRO) (Control of the control of	0.00398 GC) RL 49.9 (GC) RL 49.9	mg/Kg Unit mg/Kg Unit mg/Kg	<u>D</u>	Prepared Prepared 02/08/23 13:10	02/13/23 18:49 Analyzed 02/13/23 17:08 Analyzed 02/10/23 16:54	Dil Fac Dil Fac 1
Total BTEX Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	<0.00398 el Range Organ Result <49.9 sel Range Orga Result <49.9 <49.9	ics (DRO) (CQualifier U mics (DRO) Qualifier U U U U	0.00398 RL 49.9 (GC) RL 49.9 49.9	unit mg/Kg Unit mg/Kg unit mg/Kg mg/Kg	<u>D</u>	Prepared Prepared 02/08/23 13:10 02/08/23 13:10	02/13/23 18:49 Analyzed 02/13/23 17:08 Analyzed 02/10/23 16:54 02/10/23 16:54	Dil Fac Dil Fac 1
Total BTEX Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	<0.00398 el Range Organ Result <49.9 sel Range Orga Result <49.9 <49.9 <49.9	ics (DRO) (CQualifier U mics (DRO) Qualifier U U U U	0.00398 RL 49.9 (GC) RL 49.9 49.9 49.9	unit mg/Kg Unit mg/Kg unit mg/Kg mg/Kg	<u>D</u>	Prepared Prepared 02/08/23 13:10 02/08/23 13:10	Analyzed 02/13/23 18:49 Analyzed 02/13/23 17:08 Analyzed 02/10/23 16:54 02/10/23 16:54	Dil Fac Dil Fac 1 1 1 1

Client Sample ID: PH06

Date Collected: 02/02/23 12:15 Date Received: 02/03/23 11:50

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Result Qualifier

6.46

Sample Depth: 1'

Analyte

Chloride

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		02/10/23 10:54	02/11/23 02:15	1
Toluene	<0.00200	U	0.00200	mg/Kg		02/10/23 10:54	02/11/23 02:15	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		02/10/23 10:54	02/11/23 02:15	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		02/10/23 10:54	02/11/23 02:15	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		02/10/23 10:54	02/11/23 02:15	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		02/10/23 10:54	02/11/23 02:15	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)			70 - 130			02/10/23 10:54	02/11/23 02:15	1

RL

5.02

Unit

mg/Kg

D

Prepared

Analyzed

02/07/23 18:08

Lab Sample ID: 890-4026-7

Dil Fac

Matrix: Solid

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Client: Ensolum Project/Site: PLU C2 Recycle Facility

Job ID: 890-4026-1

SDG: 03C1558148

Client Sample ID: PH06

Date Collected: 02/02/23 12:15 Date Received: 02/03/23 11:50

Sample Depth: 1'

Lab Sample ID: 890-4026-7

Matrix: Solid

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

%Recovery Qualifier Limits Prepared Surrogate Analyzed Dil Fac 70 - 130 02/10/23 10:54 1,4-Difluorobenzene (Surr) 90 02/11/23 02:15

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte Result Qualifier RL Unit D Analyzed Dil Fac Prepared Total BTEX <0.00399 0.00399 02/13/23 18:49 mg/Kg

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

Result Qualifier RL Unit D Prepared Analyzed Dil Fac Total TPH <49.9 49.9 mg/Kg 02/13/23 17:08

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

Analyte Result Qualifier RL Unit D Prepared Analyzed Dil Fac <49.9 U 49.9 02/08/23 13:10 02/10/23 17:16 Gasoline Range Organics mg/Kg (GRO)-C6-C10 <49.9 U 49.9 mg/Kg 02/08/23 13:10 02/10/23 17:16 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) <49.9 U 49.9 mg/Kg 02/08/23 13:10 02/10/23 17:16

Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac 1-Chlorooctane 55 S1-70 - 130 02/08/23 13:10 02/10/23 17:16 o-Terphenyl 63 S1-70 - 130 02/08/23 13:10 02/10/23 17:16

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte Result Qualifier RL Unit D Prepared Analyzed Dil Fac 5.01 02/07/23 18:15 Chloride 59.4 mg/Kg

Lab Sample ID: 890-4026-8 Client Sample ID: PH07

Date Collected: 02/02/23 12:45 Date Received: 02/03/23 11:50

Sample Depth: 1'

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 02/10/23 10:54 02/11/23 02:42 Toluene <0.00201 U 0.00201 02/10/23 10:54 02/11/23 02:42 mg/Kg Ethylbenzene <0.00201 U 0.00201 02/10/23 10:54 02/11/23 02:42 mg/Kg 02/11/23 02:42 m-Xylene & p-Xylene <0.00402 U 0.00402 02/10/23 10:54 mg/Kg o-Xylene <0.00201 U 0.00201 mg/Kg 02/10/23 10:54 02/11/23 02:42 Xylenes, Total <0.00402 U 0.00402 mg/Kg 02/10/23 10:54 02/11/23 02:42

%Recovery Qualifier Limits Dil Fac Surrogate Prepared Analyzed 70 - 130 S1+ 02/10/23 10:54 4-Bromofluorobenzene (Surr) 135 02/11/23 02:42 1,4-Difluorobenzene (Surr) 86 70 - 130 02/10/23 10:54 02/11/23 02:42

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte Result Qualifier RL D Unit Prepared Analyzed Dil Fac Total BTEX <0.00402 0.00402 02/13/23 18:49 mg/Kg

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

Analyte Result Qualifier RL Unit D Prepared Analyzed Dil Fac <50.0 U Total TPH 50.0 mg/Kg 02/13/23 17:08

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Matrix: Solid

Matrix: Solid

Lab Sample ID: 890-4026-8

02/07/23 18:21

Client Sample Results

Client: Ensolum

Project/Site: PLU C2 Recycle Facility

Job ID: 890-4026-1

SDG: 03C1558148

Client Sample ID: PH07

Date Collected: 02/02/23 12:45 Date Received: 02/03/23 11:50

Sample Depth: 1'

Chloride

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0	mg/Kg		02/08/23 13:10	02/10/23 17:38	1
(GRO)-C6-C10	50.0		50.0			00/00/00 40 40	00//0/00 /7 00	
Diesel Range Organics (Over	<50.0	U	50.0	mg/Kg		02/08/23 13:10	02/10/23 17:38	1
C10-C28)								
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		02/08/23 13:10	02/10/23 17:38	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	53	S1-	70 - 130			02/08/23 13:10	02/10/23 17:38	1
o-Terphenyl	59	S1-	70 - 130			02/08/23 13:10	02/10/23 17:38	1
Method: EPA 300.0 - Anions, Ion	Chromatograp	hy - Solubl	е					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac

4.98

22.1

mg/Kg

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Surrogate Summary

Client: Ensolum Job ID: 890-4026-1
Project/Site: PLU C2 Recycle Facility SDG: 03C1558148

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid Prep Type: Total/NA

				Percent Surrogate Recovery (Acceptance Limits)
		BFB1	DFBZ1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
890-4024-A-1-D MS	Matrix Spike	116	106	
890-4024-A-1-E MSD	Matrix Spike Duplicate	112	98	
890-4026-1	PH01	128	97	
890-4026-2	PH02	120	93	
890-4026-3	PH03	130	92	
890-4026-4	PH03A	138 S1+	93	
890-4026-5	PH04	120	93	
890-4026-6	PH05	130	91	
890-4026-7	PH06	127	90	
890-4026-8	PH07	135 S1+	86	
LCS 880-45983/1-A	Lab Control Sample	123	91	
LCSD 880-45983/2-A	Lab Control Sample Dup	113	105	
MB 880-45983/5-A	Method Blank	83	86	

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid Prep Type: Total/NA

				Percent Surrogate Recovery (Acceptance Limits)
		1CO1	OTPH1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
890-4017-A-2-C MS	Matrix Spike	58 S1-	54 S1-	
890-4017-A-2-D MSD	Matrix Spike Duplicate	54 S1-	47 S1-	
890-4026-1	PH01	45 S1-	52 S1-	
890-4026-2	PH02	53 S1-	59 S1-	
890-4026-3	PH03	51 S1-	57 S1-	
890-4026-4	PH03A	56 S1-	63 S1-	
890-4026-5	PH04	52 S1-	60 S1-	
890-4026-6	PH05	51 S1-	59 S1-	
890-4026-7	PH06	55 S1-	63 S1-	
890-4026-8	PH07	53 S1-	59 S1-	
890-4031-A-21-E MS	Matrix Spike	55 S1-	54 S1-	
890-4031-A-21-F MSD	Matrix Spike Duplicate	56 S1-	54 S1-	
LCS 880-45800/2-A	Lab Control Sample	78	79	
LCS 880-45802/2-A	Lab Control Sample	103	112	
LCSD 880-45800/3-A	Lab Control Sample Dup	93	96	
LCSD 880-45802/3-A	Lab Control Sample Dup	100	111	
MB 880-45800/1-A	Method Blank	67 S1-	72	
IVID 000-43000/ I-A	Method Blank	69 S1-	81	

TCO = 1-Chloroociane

OTPH = o-Terphenyl

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Client: Ensolum Job ID: 890-4026-1 Project/Site: PLU C2 Recycle Facility SDG: 03C1558148

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-45983/5-A

Matrix: Solid

Analysis Batch: 45956

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 45983

	MB	MB						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		02/10/23 10:54	02/10/23 19:11	1
Toluene	<0.00200	U	0.00200	mg/Kg		02/10/23 10:54	02/10/23 19:11	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		02/10/23 10:54	02/10/23 19:11	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		02/10/23 10:54	02/10/23 19:11	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		02/10/23 10:54	02/10/23 19:11	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		02/10/23 10:54	02/10/23 19:11	1

мв мв

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	83		70 - 130	02/10/23 10:54	02/10/23 19:11	1
1,4-Difluorobenzene (Surr)	86		70 - 130	02/10/23 10:54	02/10/23 19:11	1

Lab Sample ID: LCS 880-45983/1-A

Matrix: Solid

Analysis Batch: 45956

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 45983

		Spike	LCS	LCS				%Rec	
1	Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Ē	Benzene	0.100	0.1215		mg/Kg		122	70 - 130	
1	Toluene	0.100	0.1250		mg/Kg		125	70 - 130	
E	Ethylbenzene	0.100	0.1261		mg/Kg		126	70 - 130	
r	m-Xylene & p-Xylene	0.200	0.2452		mg/Kg		123	70 - 130	
(o-Xylene	0.100	0.1222		mg/Kg		122	70 - 130	

LCS LCS

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	123	70 - 130
1,4-Difluorobenzene (Surr)	91	70 - 130

Lab Sample ID: LCSD 880-45983/2-A

Matrix: Solid

Analysis Batch: 45956

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 45983

	Spike	LCSD	LCSD				%Rec		RPD	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Benzene	0.100	0.1265		mg/Kg		126	70 - 130	4	35	
Toluene	0.100	0.1151		mg/Kg		115	70 - 130	8	35	
Ethylbenzene	0.100	0.1152		mg/Kg		115	70 - 130	9	35	
m-Xylene & p-Xylene	0.200	0.2252		mg/Kg		113	70 - 130	8	35	
o-Xylene	0.100	0.1121		mg/Kg		112	70 - 130	9	35	

LCSD LCSD

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	113		70 - 130
1.4-Difluorobenzene (Surr)	105		70 - 130

Lab Sample ID: 890-4024-A-1-D MS

Matrix: Solid

Analysis Batch: 45956

Client Sample ID: Matrix Spike Prep Type: Total/NA

Prep Batch: 45983

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.00202	U	0.100	0.1152		mg/Kg		115	70 - 130	
Toluene	<0.00202	U	0.100	0.1059		mg/Kg		105	70 - 130	

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Project/Site: PLU C2 Recycle Facility

Client: Ensolum

Job ID: 890-4026-1

SDG: 03C1558148

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

Lab Sample ID: 890-4024-A-1-D MS

Matrix: Solid

Analysis Batch: 45956

Client Sample ID: Matrix Spike	Э
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Prep Type: Total/NA

Prep Batch: 45983

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Ethylbenzene	<0.00202	U	0.100	0.1040		mg/Kg		104	70 - 130	
m-Xylene & p-Xylene	<0.00403	U	0.201	0.2003		mg/Kg		100	70 - 130	
o-Xylene	<0.00202	U	0.100	0.1029		mg/Kg		103	70 - 130	

MS MS

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	116		70 - 130
1,4-Difluorobenzene (Surr)	106		70 - 130

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 45983

Matrix: Solid

Lab Sample ID: 890-4024-A-1-E MSD

Analysis Batch: 45956

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	<0.00202	U	0.0990	0.1039		mg/Kg		105	70 - 130	10	35
Toluene	<0.00202	U	0.0990	0.09346		mg/Kg		94	70 - 130	12	35
Ethylbenzene	<0.00202	U	0.0990	0.09187		mg/Kg		93	70 - 130	12	35
m-Xylene & p-Xylene	<0.00403	U	0.198	0.1811		mg/Kg		91	70 - 130	10	35
o-Xylene	<0.00202	U	0.0990	0.09097		mg/Kg		92	70 - 130	12	35

MSD MSD

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	112		70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

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

Lab Sample ID: MB 880-45800/1-A

Matrix: Solid

Analysis Batch: 46050

Client Sample ID: Method Blank					
Prep Type: Total/NA					

Prep Batch: 45800

MB MB Analyte Result Qualifier RL Unit Prepared Analyzed Dil Fac 02/08/23 13:01 02/11/23 09:08 Gasoline Range Organics <49.9 U 49.9 mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over 02/08/23 13:01 02/11/23 09:08 <49.9 U 49.9 mg/Kg C10-C28) Oll Range Organics (Over C28-C36) <49.9 U 49.9 mg/Kg 02/08/23 13:01 02/11/23 09:08

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	67	S1-	70 - 130	02/08/23 13:01	02/11/23 09:08	1
o-Terphenyl	72		70 - 130	02/08/23 13:01	02/11/23 09:08	1

Lab Sample ID: LCS 880-45800/2-A

Matrix: Solid

Analysis Batch: 46050

C10-C28)

Client Sample ID: Lab Co	ntrol Sample	Control Sample
Prep Ty	ype: Total/NA	ep Type: Total/NA

Prep Batch: 45800

	Spike	LCS LCS				%Rec	
Analyte	Added	Result Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics	998	881.9	mg/Kg		88	70 - 130	
(GRO)-C6-C10							
Diesel Range Organics (Over	998	670.6 *-	mg/Kg		67	70 - 130	

Job ID: 890-4026-1 Client: Ensolum Project/Site: PLU C2 Recycle Facility

SDG: 03C1558148

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

LCS LCS

Lab Sample ID: LCS 880-45800/2-A

Matrix: Solid

Analysis Batch: 46050

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

Prep Batch: 45800

Surrogate %Recovery Qualifier Limits 1-Chlorooctane 78 70 - 130 o-Terphenyl 79 70 - 130

Lab Sample ID: LCSD 880-45800/3-A Client Sample ID: Lab Control Sample Dup

Matrix: Solid

Analysis Batch: 46050

Prep Type: Total/NA

Prep Batch: 45800

Spike LCSD LCSD %Rec RPD Analyte Added Result Qualifier Unit D %Rec Limits **RPD** Limit 1000 840.2 84 70 - 1305 20 Gasoline Range Organics mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over 1000 817.7 82 mg/Kg 70 - 13020 20 C10-C28)

LCSD LCSD

Sample Sample

<50.0 U

<50.0 U *-

54 S1-

Result Qualifier

Surrogate %Recovery Qualifier Limits 93 70 - 130 1-Chlorooctane 96 70 - 130 o-Terphenyl

Lab Sample ID: 890-4017-A-2-C MS Client Sample ID: Matrix Spike

> Spike Added

> > 999

999

MS MS

969.9

948.8

Result Qualifier

Unit

mg/Kg

mg/Kg

D

%Rec

94

92

Matrix: Solid

(GRO)-C6-C10

Analyte

C10-C28)

o-Terphenyl

Analysis Batch: 46050

Gasoline Range Organics

Diesel Range Organics (Over

Prep Type: Total/NA Prep Batch: 45800

Limits 70 - 130

MS MS %Recovery Qualifier Surrogate Limits S1-70 - 130 1-Chlorooctane 58 70 - 130

Lab Sample ID: 890-4017-A-2-D MSD Client Sample ID: Matrix Spike Duplicate

Matrix: Solid

Analysis Batch: 46050

Prep Type: Total/NA

70 - 130

Prep Batch: 45800

Sample Sample MSD MSD RPD Spike %Rec Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits **RPD** Limit <50.0 U 998 808.5 78 Gasoline Range Organics 70 - 130 18 20 mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over <50.0 U *-998 816.6 mg/Kg 79 70 - 130 15 20

C10-C28)

MSD MSD

Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	54	S1-	70 - 130
o-Terphenyl	47	S1-	70 - 130

Client: Ensolum Job ID: 890-4026-1 Project/Site: PLU C2 Recycle Facility

SDG: 03C1558148

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

Lab Sample ID: MB 880-45802/1-A

Matrix: Solid Analysis Batch: 45951

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 45802

	MB	MB						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0	mg/Kg		02/08/23 13:10	02/10/23 08:07	1
(GRO)-C6-C10								
Diesel Range Organics (Over	<50.0	U	50.0	mg/Kg		02/08/23 13:10	02/10/23 08:07	1
C10-C28)								
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		02/08/23 13:10	02/10/23 08:07	1
	МВ	MB						
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	69	S1-	70 - 130			02/08/23 13:10	02/10/23 08:07	1
o-Terphenyl	81		70 - 130			02/08/23 13:10	02/10/23 08:07	1

Lab Sample ID: LCS 880-45802/2-A

Matrix: Solid

Analysis Batch: 45951

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 45802

LCS LCS Spike %Rec Analyte Added Result Qualifier Unit D %Rec Limits Gasoline Range Organics 1000 882.5 88 70 - 130 mg/Kg (GRO)-C6-C10 1000 Diesel Range Organics (Over 897.1 mg/Kg 90 70 - 130C10-C28)

LCS LCS

%Recovery Qualifier Limits Surrogate 1-Chlorooctane 103 70 - 130 o-Terphenyl 112 70 - 130

Lab Sample ID: LCSD 880-45802/3-A

Matrix: Solid

Analysis Batch: 45951

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 45802

	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics	1000	895.3		mg/Kg		90	70 - 130	1	20
(GRO)-C6-C10									
Diesel Range Organics (Over	1000	938.1		mg/Kg		94	70 - 130	4	20
C10-C28)									

LCSD LCSD

Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	100		70 - 130
o-Terphenyl	111		70 - 130

Lab Sample ID: 890-4031-A-21-E MS

Matrix: Solid

C10-C28)

Analysis Batch: 45951

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 45802

Sample Sample Spike MS MS %Rec Result Qualifier Added Result Qualifier Analyte Unit %Rec Limits Gasoline Range Organics <49.9 U 999 857.8 mg/Kg 81 70 - 130 (GRO)-C6-C10 <49.9 U 999 872.8 Diesel Range Organics (Over mg/Kg 85 70 - 130

Job ID: 890-4026-1

Client: Ensolum Project/Site: PLU C2 Recycle Facility SDG: 03C1558148

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

Lab Sample ID: 890-4031-A-21-E MS Client Sample ID: Matrix Spike

Matrix: Solid Prep Type: Total/NA Analysis Batch: 45951 Prep Batch: 45802

	IVIS	IVIS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	55	S1-	70 - 130
o-Terphenyl	54	S1-	70 - 130

Lab Sample ID: 890-4031-A-21-F MSD Client Sample ID: Matrix Spike Duplicate

Matrix: Solid Prep Type: Total/NA Analysis Batch: 45951 Prep Batch: 45802

Sample Sample Spike MSD MSD %Rec RPD Analyte Result Qualifier Added Result Qualifier Unit D %Rec Limits RPD Limit <49.9 U 997 869.4 82 70 - 13020 Gasoline Range Organics mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over 997 914.2 <49.9 U mg/Kg 89 70 - 1305 20 C10-C28)

MSD MSD %Recovery Surrogate Qualifier Limits 56 S1-70 - 130 1-Chlorooctane 54 S1-70 - 130 o-Terphenyl

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-45661/1-A Client Sample ID: Method Blank **Matrix: Solid**

Prep Type: Soluble

Analysis Batch: 45709

мв мв Analyte Result Qualifier RL Unit D Dil Fac Prepared Analyzed Chloride 5.00 <5.00 U mg/Kg 02/07/23 14:51

Lab Sample ID: LCS 880-45661/2-A Client Sample ID: Lab Control Sample **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 45709

Spike LCS LCS %Rec Added Analyte Result Qualifier Unit D %Rec Limits Chloride 250 235.3 mg/Kg 94 90 - 110

Lab Sample ID: LCSD 880-45661/3-A Client Sample ID: Lab Control Sample Dup **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 45709

Spike LCSD LCSD %Rec RPD Added Analyte Result Qualifier Unit D %Rec Limits RPD Limit Chloride 250 236.3 95 90 - 110 20 mg/Kg

Lab Sample ID: 890-4024-A-5-B MS Client Sample ID: Matrix Spike

Matrix: Solid Prep Type: Soluble Analysis Batch: 45709

Sample Sample Spike MS MS

%Rec Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits 215 F1 248 Chloride 433.0 F1 mg/Kg 90 - 110

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QC Sample Results

Client: Ensolum Job ID: 890-4026-1 Project/Site: PLU C2 Recycle Facility SDG: 03C1558148

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 890-4024-A-5-C MSD **Client Sample ID: Matrix Spike Duplicate Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 45709

7 manyolo Batolii 10100											
	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	215	F1	248	434.5	F1	mg/Kg		89	90 - 110	0	20

Client: Ensolum Job ID: 890-4026-1 Project/Site: PLU C2 Recycle Facility SDG: 03C1558148

GC VOA

Analysis Batch: 45956

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4026-1	PH01	Total/NA	Solid	8021B	45983
890-4026-2	PH02	Total/NA	Solid	8021B	45983
890-4026-3	PH03	Total/NA	Solid	8021B	45983
890-4026-4	PH03A	Total/NA	Solid	8021B	45983
890-4026-5	PH04	Total/NA	Solid	8021B	45983
890-4026-6	PH05	Total/NA	Solid	8021B	45983
890-4026-7	PH06	Total/NA	Solid	8021B	45983
890-4026-8	PH07	Total/NA	Solid	8021B	45983
MB 880-45983/5-A	Method Blank	Total/NA	Solid	8021B	45983
LCS 880-45983/1-A	Lab Control Sample	Total/NA	Solid	8021B	45983
LCSD 880-45983/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	45983
890-4024-A-1-D MS	Matrix Spike	Total/NA	Solid	8021B	45983
890-4024-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	45983

Prep Batch: 45983

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4026-1	PH01	Total/NA	Solid	5035	_
890-4026-2	PH02	Total/NA	Solid	5035	
890-4026-3	PH03	Total/NA	Solid	5035	
890-4026-4	PH03A	Total/NA	Solid	5035	
890-4026-5	PH04	Total/NA	Solid	5035	
890-4026-6	PH05	Total/NA	Solid	5035	
890-4026-7	PH06	Total/NA	Solid	5035	
890-4026-8	PH07	Total/NA	Solid	5035	
MB 880-45983/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-45983/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-45983/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-4024-A-1-D MS	Matrix Spike	Total/NA	Solid	5035	
890-4024-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 46227

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4026-1	PH01	Total/NA	Solid	Total BTEX	
890-4026-2	PH02	Total/NA	Solid	Total BTEX	
890-4026-3	PH03	Total/NA	Solid	Total BTEX	
890-4026-4	PH03A	Total/NA	Solid	Total BTEX	
890-4026-5	PH04	Total/NA	Solid	Total BTEX	
890-4026-6	PH05	Total/NA	Solid	Total BTEX	
890-4026-7	PH06	Total/NA	Solid	Total BTEX	
890-4026-8	PH07	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 45800

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4026-1	PH01	Total/NA	Solid	8015NM Prep	
890-4026-2	PH02	Total/NA	Solid	8015NM Prep	
MB 880-45800/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-45800/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-45800/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-4017-A-2-C MS	Matrix Spike	Total/NA	Solid	8015NM Prep	

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Client: Ensolum

Job ID: 890-4026-1 Project/Site: PLU C2 Recycle Facility SDG: 03C1558148

GC Semi VOA (Continued)

Prep Batch: 45800 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4017-A-2-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Prep Batch: 45802

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4026-3	PH03	Total/NA	Solid	8015NM Prep	
890-4026-4	PH03A	Total/NA	Solid	8015NM Prep	
890-4026-5	PH04	Total/NA	Solid	8015NM Prep	
890-4026-6	PH05	Total/NA	Solid	8015NM Prep	
890-4026-7	PH06	Total/NA	Solid	8015NM Prep	
890-4026-8	PH07	Total/NA	Solid	8015NM Prep	
MB 880-45802/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-45802/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-45802/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-4031-A-21-E MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-4031-A-21-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 45951

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4026-3	PH03	Total/NA	Solid	8015B NM	45802
890-4026-4	PH03A	Total/NA	Solid	8015B NM	45802
890-4026-5	PH04	Total/NA	Solid	8015B NM	45802
890-4026-6	PH05	Total/NA	Solid	8015B NM	45802
890-4026-7	PH06	Total/NA	Solid	8015B NM	45802
890-4026-8	PH07	Total/NA	Solid	8015B NM	45802
MB 880-45802/1-A	Method Blank	Total/NA	Solid	8015B NM	45802
LCS 880-45802/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	45802
LCSD 880-45802/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	45802
890-4031-A-21-E MS	Matrix Spike	Total/NA	Solid	8015B NM	45802
890-4031-A-21-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	45802

Analysis Batch: 46050

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4026-1	PH01	Total/NA	Solid	8015B NM	45800
890-4026-2	PH02	Total/NA	Solid	8015B NM	45800
MB 880-45800/1-A	Method Blank	Total/NA	Solid	8015B NM	45800
LCS 880-45800/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	45800
LCSD 880-45800/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	45800
890-4017-A-2-C MS	Matrix Spike	Total/NA	Solid	8015B NM	45800
890-4017-A-2-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	45800

Analysis Batch: 46168

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4026-1	PH01	Total/NA	Solid	8015 NM	
890-4026-2	PH02	Total/NA	Solid	8015 NM	
890-4026-3	PH03	Total/NA	Solid	8015 NM	
890-4026-4	PH03A	Total/NA	Solid	8015 NM	
890-4026-5	PH04	Total/NA	Solid	8015 NM	
890-4026-6	PH05	Total/NA	Solid	8015 NM	
890-4026-7	PH06	Total/NA	Solid	8015 NM	
890-4026-8	PH07	Total/NA	Solid	8015 NM	

Client: Ensolum Job ID: 890-4026-1 Project/Site: PLU C2 Recycle Facility SDG: 03C1558148

HPLC/IC

Leach Batch: 45661

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4026-1	PH01	Soluble	Solid	DI Leach	
890-4026-2	PH02	Soluble	Solid	DI Leach	
890-4026-3	PH03	Soluble	Solid	DI Leach	
890-4026-4	PH03A	Soluble	Solid	DI Leach	
890-4026-5	PH04	Soluble	Solid	DI Leach	
890-4026-6	PH05	Soluble	Solid	DI Leach	
890-4026-7	PH06	Soluble	Solid	DI Leach	
890-4026-8	PH07	Soluble	Solid	DI Leach	
MB 880-45661/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-45661/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-45661/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-4024-A-5-B MS	Matrix Spike	Soluble	Solid	DI Leach	
890-4024-A-5-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 45709

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4026-1	PH01	Soluble	Solid	300.0	45661
890-4026-2	PH02	Soluble	Solid	300.0	45661
890-4026-3	PH03	Soluble	Solid	300.0	45661
890-4026-4	PH03A	Soluble	Solid	300.0	45661
890-4026-5	PH04	Soluble	Solid	300.0	45661
890-4026-6	PH05	Soluble	Solid	300.0	45661
890-4026-7	PH06	Soluble	Solid	300.0	45661
890-4026-8	PH07	Soluble	Solid	300.0	45661
MB 880-45661/1-A	Method Blank	Soluble	Solid	300.0	45661
LCS 880-45661/2-A	Lab Control Sample	Soluble	Solid	300.0	45661
LCSD 880-45661/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	45661
890-4024-A-5-B MS	Matrix Spike	Soluble	Solid	300.0	45661
890-4024-A-5-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	45661

Job ID: 890-4026-1

Client: Ensolum Project/Site: PLU C2 Recycle Facility SDG: 03C1558148

Client Sample ID: PH01 Lab Sample ID: 890-4026-1

Date Collected: 02/02/23 09:15 Matrix: Solid Date Received: 02/03/23 11:50

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	45983	02/10/23 10:54	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	45956	02/10/23 22:15	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			46227	02/13/23 18:49	SM	EET MID
Total/NA	Analysis	8015 NM		1			46168	02/13/23 14:26	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	45800	02/08/23 13:01	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	46050	02/11/23 19:24	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	45661	02/07/23 09:24	KS	EET MID
Soluble	Analysis	300.0		1			45709	02/07/23 17:25	CH	EET MID

Client Sample ID: PH02 Lab Sample ID: 890-4026-2 Matrix: Solid

Date Collected: 02/02/23 09:45 Date Received: 02/03/23 11:50

	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	45983	02/10/23 10:54	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	45956	02/10/23 22:42	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			46227	02/13/23 18:49	SM	EET MID
Total/NA	Analysis	8015 NM		1			46168	02/13/23 14:26	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	45800	02/08/23 13:01	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	46050	02/11/23 19:45	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	45661	02/07/23 09:24	KS	EET MIC
Soluble	Analysis	300.0		1			45709	02/07/23 17:44	CH	EET MID

Client Sample ID: PH03 Lab Sample ID: 890-4026-3

Date Collected: 02/02/23 10:15 Date Received: 02/03/23 11:50

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	45983	02/10/23 10:54	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	45956	02/10/23 23:08	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			46227	02/13/23 18:49	SM	EET MID
Total/NA	Analysis	8015 NM		1			46168	02/13/23 17:08	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	45802	02/08/23 13:10	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	45951	02/10/23 15:49	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	45661	02/07/23 09:24	KS	EET MID
Soluble	Analysis	300.0		1			45709	02/07/23 17:50	CH	EET MID

Client Sample ID: PH03A Lab Sample ID: 890-4026-4

Date Collected: 02/02/23 10:45 Date Received: 02/03/23 11:50

	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	45983	02/10/23 10:54	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	45956	02/10/23 23:35	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			46227	02/13/23 18:49	SM	EET MID

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Matrix: Solid

Matrix: Solid

Client: Ensolum

Project/Site: PLU C2 Recycle Facility

Job ID: 890-4026-1 SDG: 03C1558148

Lab Sample ID: 890-4026-4

Matrix: Solid

Matrix: Solid

Client Sample ID: PH03A Date Collected: 02/02/23 10:45 Date Received: 02/03/23 11:50

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			46168	02/13/23 17:08	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	45802	02/08/23 13:10	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	45951	02/10/23 16:11	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	45661	02/07/23 09:24	KS	EET MID
Soluble	Analysis	300.0		1			45709	02/07/23 17:56	CH	EET MID

Client Sample ID: PH04 Lab Sample ID: 890-4026-5

Date Collected: 02/02/23 11:15 Date Received: 02/03/23 11:50

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	45983	02/10/23 10:54	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	45956	02/11/23 01:21	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			46227	02/13/23 18:49	SM	EET MID
Total/NA	Analysis	8015 NM		1			46168	02/13/23 17:08	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	45802	02/08/23 13:10	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	45951	02/10/23 16:32	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	45661	02/07/23 09:24	KS	EET MID
Soluble	Analysis	300.0		1			45709	02/07/23 18:02	CH	EET MID

Client Sample ID: PH05 Lab Sample ID: 890-4026-6

Date Collected: 02/02/23 11:45 **Matrix: Solid** Date Received: 02/03/23 11:50

	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	45983	02/10/23 10:54	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	45956	02/11/23 01:48	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			46227	02/13/23 18:49	SM	EET MID
Total/NA	Analysis	8015 NM		1			46168	02/13/23 17:08	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	45802	02/08/23 13:10	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	45951	02/10/23 16:54	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	45661	02/07/23 09:24	KS	EET MID
Soluble	Analysis	300.0		1			45709	02/07/23 18:08	CH	EET MID

Client Sample ID: PH06 Lab Sample ID: 890-4026-7

Date Collected: 02/02/23 12:15 **Matrix: Solid** Date Received: 02/03/23 11:50

_	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	45983	02/10/23 10:54	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	45956	02/11/23 02:15	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			46227	02/13/23 18:49	SM	EET MID
Total/NA	Analysis	8015 NM		1			46168	02/13/23 17:08	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	45802	02/08/23 13:10	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	45951	02/10/23 17:16	SM	EET MID

Client: Ensolum Job ID: 890-4026-1
Project/Site: PLU C2 Recycle Facility SDG: 03C1558148

Client Sample ID: PH06 Lab Sample ID: 890-4026-7

Date Collected: 02/02/23 12:15

Date Received: 02/03/23 11:50

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.99 g	50 mL	45661	02/07/23 09:24	KS	EET MID
Soluble	Analysis	300.0		1			45709	02/07/23 18:15	CH	EET MID

Client Sample ID: PH07 Lab Sample ID: 890-4026-8

Date Collected: 02/02/23 12:45 Matrix: Solid

Date Received: 02/03/23 11:50

	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	45983	02/10/23 10:54	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	45956	02/11/23 02:42	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			46227	02/13/23 18:49	SM	EET MID
Total/NA	Analysis	8015 NM		1			46168	02/13/23 17:08	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	45802	02/08/23 13:10	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	45951	02/10/23 17:38	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	45661	02/07/23 09:24	KS	EET MID
Soluble	Analysis	300.0		1			45709	02/07/23 18:21	CH	EET MID

Laboratory References:

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

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Accreditation/Certification Summary

Client: Ensolum
Project/Site: PLU C2 Recycle Facility

SDG: 03C1558148

Laboratory: Eurofins Midland

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

Authority	Pr	ogram	Identification Number	Expiration Date	
Texas The following analytes are included in this report, the agency does not offer certification.		ELAP	T104704400-22-25	06-30-23	
		It the laboratory is not certifi	ed by the governing authority. This list ma	av include analytes for	
the agency does not of	fer certification.	•	, , ,	.,	
the agency does not of Analysis Method	fer certification . Prep Method	Matrix	Analyte	-,	
0 ,		Matrix Solid	Analyte Total TPH		

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Method Summary

Client: Ensolum Project/Site: PLU C2 Recycle Facility Job ID: 890-4026-1

SDG: 03

3C1558148	

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

Job ID: 890-4026-1 Project/Site: PLU C2 Recycle Facility SDG: 03C1558148

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-4026-1	PH01	Solid	02/02/23 09:15	02/03/23 11:50	2'
890-4026-2	PH02	Solid	02/02/23 09:45	02/03/23 11:50	3'
390-4026-3	PH03	Solid	02/02/23 10:15	02/03/23 11:50	1'
390-4026-4	PH03A	Solid	02/02/23 10:45	02/03/23 11:50	3'
390-4026-5	PH04	Solid	02/02/23 11:15	02/03/23 11:50	2'
390-4026-6	PH05	Solid	02/02/23 11:45	02/03/23 11:50	1'
390-4026-7	PH06	Solid	02/02/23 12:15	02/03/23 11:50	1'
390-4026-8	PH07	Solid	02/02/23 12:45	02/03/23 11:50	1'

Circle Method(s) and Metal(s) to be analyzed

Total 200.7 / 6010

200.8 / 6020:

8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni

K Se

Hg: 1631 / 245.1 / 7470 / 7471 Ag SiO₂ Na Sr Tl Sn U V Zn

TCLP / SPLP 6010 : 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U

HO

1745

eurofins :

Xenco

Environment Testing

13 14

Chain of Custody

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, Carlsb Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300

Work Order No:

		www.xenco.com		Page	Of
or Green		Work (Work Order Comments	ents	
Evelan	Program:	Program: UST/PST ☐ PRP☐ Brownfields ☐ RRC ☐ Superfund ☐	Brownfie	elds RRC	Superfund
//	State of Project:	ect:			
	Reporting:	Reporting: Level II Level III PST/UST TRRP Level IV	IIII PST/L	JST TRRP [] Level IV []
	Deliverables	Deliverables: EDD	ADaPT [ADaPT Other:	
ANALYSIS REQUEST	UEST			Preservative Codes	Codes

		6			v,
		4			3
		8	2-3-23 115	thum 25th 2-3-23 1150	ian
Date/Time	Received by: (Signature)	Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Relinquished by: (Signature)
	ons egotiated.	subcontractors. It assigns standard terms and condition to the contract of the	to Eurofins Xenco, its affiliates and s r expenses incurred by the client if s tted to Eurofins Xenco, but not analy	Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated	Notice: Signature of this document and relinquishme of service. Eurofins Xenco will be liable only for the of Eurofins Xenco. A minimum charge of \$85.00 will

SAMPLE RECEIPT Samples Received Intact:

Temp Blank: Yes

Wet Ice:

(Yes No

Parameters

Z o

Cooler Custody Seals:

ample Custody Seals:

Yes No

Corrected Temperature: Temperature Reading: Correction Factor: Thermometer ID: RES NO

Yes No WA

Total Containers:

Sample Identification

Matrix

Date

Time

Depth

of

890-4026 Chain of Custody

Na₂S₂O₃: NaSO₃

NaHSO 4: NABIS

NaOH+Ascorbic Acid: SAPC

Sample Comments

9723584 8426

Zn Acetate+NaOH: Zn

HCL: HC

NaOH: Na HNO 3: HN MeOH: Me

Cool: Cool

None: NO

DI Water: H₂O

H₃PO₄: HP H2SO 4: H2

Comp Grab/

Sampled

22-23 Sampled

PH02

Sampler's Name:

Project Location:

any

Due Date: Routine

TAT starts the day received by the lab, if received by 4:30pm

8418

Project Number:

roject Name:

City, State ZIP:

-580-458

Email:

Turn Around

Rush

Code

ddress:

3/22

7,000

Z

58220

City, State ZIP:

Bill to: (if different) Company Name:

roject Manager:

ompany Name:

Login Sample Receipt Checklist

Client: Ensolum Job Number: 890-4026-1 SDG Number: 03C1558148

Login Number: 4026 List Source: Eurofins Carlsbad

List Number: 1

Creator: Stutzman, Amanda

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	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 Job Number: 890-4026-1 SDG Number: 03C1558148

List Source: Eurofins Midland

List Number: 2 Creator: Rodriguez, Leticia

Login Number: 4026

List Creation: 02/06/23 08:40 AM

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

Released to Imaging: 7/27/2023 2:52:59 PM



APPENDIX E

NMOCD Notifications

Ben Belill

From: Green, Garrett J <garrett.green@exxonmobil.com>

Sent: Thursday, January 26, 2023 9:17 AM

To: ocd.enviro@emnrd.nm.gov; Bratcher, Michael, EMNRD; Hamlet, Robert, EMNRD; Harimon, Jocelyn,

EMNRD

Cc: DelawareSpills /SM; Tacoma Morrissey

Subject: XTO - Sampling Notification (Week of 1/30/23 - 2/3/23)

[**EXTERNAL EMAIL**]

All,

XTO plans to complete final sampling activities at the following sites the week of Jan 30, 2023.

- PLU 27 BD 163H / nAPP2226337852
- PLU 16 TWR 126H / nAPP2233339417
- Tiger Compressor Station / nAPP2235638568
- PLU C 2 Recycle Facility / nAPP2235646436

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

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

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

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

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

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

CONDITIONS

Action 198114

CONDITIONS

Operator:	OGRID:
XTO ENERGY, INC	5380
·	Action Number:
Midland, TX 79707	198114
	Action Type:
	[C-141] Release Corrective Action (C-141)

CONDITIONS

Created E	4	Condition Date
rhamle	We have received your closure report and final C-141 for Incident #NAPP2235646436 PLUC 2 RECYCLE FACILITY, thank you. This closure is approved.	7/27/2023