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Incident ID	NAPP2204125212
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 ite	ems must be included in the closure report.
	NMAC
Photographs of the remediated site prior to backfill or photos of must be notified 2 days prior to liner inspection)	of the liner integrity if applicable (Note: appropriate OCD District office
□ Laboratory analyses of final sampling (Note: appropriate ODC)	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 certain may endanger public health or the environment. The acceptance of a should their operations have failed to adequately investigate and rem human health or the environment. In addition, OCD acceptance of a compliance with any other federal, state, or local laws and/or regulat restore, reclaim, and re-vegetate the impacted surface area to the con accordance with 19.15.29.13 NMAC including notification to the OC Printed Name:Adrian Baker	ediate contamination that pose a threat to groundwater, surface water, C-141 report does not relieve the operator of responsibility for ions. The responsible party acknowledges they must substantially ditions that existed prior to the release or their final land use in CD when reclamation and re-vegetation are complete. Title:Environmental Coordinator Date:04/27/2022
OCD Only	
Received by: Robert Hamlet	Date:5/19/2022
	of liability should their operations have failed to adequately investigate and vater, human health, or the environment nor does not relieve the responsible r regulations.
Closure Approved by: Robert Hamlet	Date: 5/19/2022
Closure Approved by: Robert Hamlet 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	NAPP2204125212
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible	Party			OGRID		
Contact Nam	ie			Contact Te	elephone	
Contact emai	il			Incident #	(assigned by OCD)
Contact mail	ing address			1		
			Location	of Release So	ource	
Latitude				Longitude _		
			(NAD 83 in dec	cimal degrees to 5 decin	nal places)	
Site Name				Site Type		
Date Release	Discovered			API# (if app	olicable)	
Unit Letter	Section	Township	Range	Coun	nty	
Surface Owner	r: State	□ Fadaral □ Tr	ribal 🔲 Private (<i>I</i>	Nama:		
Surface Owner	i. State		iloai 🔲 Fiivate (i	vame		
			Nature and	l Volume of l	Release	
	Material	(s) Released (Select al	ll that annly and attach	calculations or specific	justification for th	e volumes provided below)
Crude Oil		Volume Release		carculations of specific	Volume Reco	
Produced	Water	Volume Release	ed (bbls)		Volume Reco	overed (bbls)
		Is the concentrat	tion of total dissolv	ved solids (TDS)	Yes N	No
□ C - 1	4.		$\frac{\text{water} > 10,000 \text{ mg}}{1.0111}$:/1?	V. I D.	1/11)
Condensa		Volume Release			Volume Reco	
Natural G		Volume Release			Volume Reco	· · · ·
Other (de	scribe)	Volume/Weight	Released (provide	e units)	Volume/Wei	ght Recovered (provide units)
G 07.1						
Cause of Rele	ease					

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District RP		
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Was this a major release as defined by	If YES, for what reason(s) does the respons	sible party consider this a major release?			
19.15.29.7(A) NMAC?					
☐ Yes ☐ No					
If YES, was immediate n	otice given to the OCD? By whom? To who	om? When and by what means (phone, email, etc)?			
	Initial Re	sponse			
The responsible	party must undertake the following actions immediately	unless they could create a safety hazard that would result in injury			
☐ The source of the rele	ease has been stopped.				
☐ The impacted area ha	as been secured to protect human health and t	he environment.			
Released materials ha	ave been contained via the use of berms or di	kes, absorbent pads, or other containment devices.			
All free liquids and re	ecoverable materials have been removed and	managed appropriately.			
If all the actions described	d above have <u>not</u> been undertaken, explain w	hy:			
has begun, please attach	Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.				
		est of my knowledge and understand that pursuant to OCD rules and			
public health or the environs	ment. The acceptance of a C-141 report by the OC	cations and perform corrective actions for releases which may endanger CD does not relieve the operator of liability should their operations have			
		t to groundwater, surface water, human health or the environment. In esponsibility for compliance with any other federal, state, or local laws			
Printed Name:	R	Title:			
Signature: UW	cian Baks	Date:			
email:		Telephone:			
OCD Only					
Received by: Ramona	a Marcus	Date: 2/14/2022			

NAPP2204125212

Location:	PLU RR 33-25-30 Battery		
Spill Date:	1/29/2022		
	Area 1		
Approximate A	rea =	3209.00	sq. ft.
Average Satura	tion (or depth) of spill =	0.50	inches
Average Porosi	ty Factor =	0.03	
	VOLUME OF LEAK		
Total Crude Oil	=	0.71	bbls
Total Produced	Water =	0.00	bbls
	TOTAL VOLUME OF LEAK		
Total Crude Oi	=	0.71	bbls
Total Produced	Water =	0.00	bbls
	TOTAL VOLUME RECOVERED		
Total Crude Oi	=	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 80507

CONDITIONS

Operator:	OGRID:
XTO ENERGY, INC	5380
6401 Holiday Hill Road	Action Number:
Midland, TX 79707	80507
	Action Type:
	[C-141] Release Corrective Action (C-141)

CONDITIONS

Creat	ed By		Condition Date
rma	rcus	None	2/14/2022

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Site Assessment/Characterization

This information must be provided to the appropriate district office no taler than 50 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?	☐ Yes ⊠ No			
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ⊠ No			
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ⊠ No			
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ 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 vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.				
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 wells. Field data Data table of soil contaminant concentration data Depth to water determination 				

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.

Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release

Boring or excavation logs

Topographic/Aerial maps

Photographs including date and GIS information

Laboratory data including chain of custody

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	I hereby certify that the information given above is true and complete to the regulations all operators are required to report and/or file certain release not public health or the environment. The acceptance of a C-141 report by the Gailed to adequately investigate and remediate contamination that pose a threaddition, OCD acceptance of a C-141 report does not relieve the operator of and/or regulations.	offications and perform corrective actions for releases which may endanger of DCD does not relieve the operator of liability should their operations have eat to groundwater, surface water, human health or the environment. In
	Printed Name:Adrian Baker	Title:Environmental Coordinator
	Signature:Obrian Baks	Date:04/27/2022
	email:adrian.baker@exxonmobil.com	Telephone:432-236-3808
ļ		
	OCD Only	
	Received by:	Date:

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State of New Mexico

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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 19.15.29.1	1 NMAC									
Photographs of the remediated site prior to backfill or photos must be notified 2 days prior to liner inspection)										
☐ Laboratory analyses of final sampling (Note: appropriate ODC	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 certain may endanger public health or the environment. The acceptance of a	nediate contamination that pose a threat to groundwater, surface water, C-141 report does not relieve the operator of responsibility for ions. The responsible party acknowledges they must substantially editions that existed prior to the release or their final land use in CD when reclamation and re-vegetation are complete. Title:Environmental Coordinator Date:04/27/2022									
OCD Only										
Received by:	Date:									
Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.										
Closure Approved by:	Date:									
Printed Name:	Title:									



April 27, 2022

District II New Mexico Oil Conservation Division 811 South First Street Artesia, New Mexico 88210

Re: Closure Request

PLU Ross Ranch 33-25-30

Incident Number NAPP2204125212

Eddy County, New Mexico

To Whom it May Concern:

Ensolum, LLC (Ensolum) on behalf of XTO Energy, Inc. (XTO), has prepared this Closure Request to document site assessment and soil sampling activities performed at the PLU Ross Ranch 33-25-30 (Site) in Unit D, Section 33, Township 25 South, Range 30 East, in Eddy County, New Mexico (Figure 1). The purpose of the site assessment and soil sampling activities was to assess for the presence or absence of impacted soil resulting from a small crude oil flare fire at the Site. Based on the site assessment activities and analytical results from the soil sampling events, XTO is submitting this Closure Request for Incident Number NAPP2204125212.

SITE DESCRIPTION AND RELEASE SUMMARY

The Site is located in Eddy County, New Mexico (32.0933° N, 103.8926°W) and is associated with oil and gas exploration and production operations on Bureau of Land Management (BLM) Federal Land.

On January 29, 2022, the flare scrubber and level controller switch failed, causing approximately 0.71 barrels (bbls) of crude oil to release out of the flare. The released fluids ignited and the fire extinguished itself on the ground. XTO reported the release to the New Mexico Oil Conservation Division (NMOCD) on a Release Notification Form C-141 (Form C-141) on February 9, 2022. The release was assigned Incident Number NAPP2204125212.

SITE CHARATERIZATION AND CLOSURE CRITERIA

The Site was characterized according to Table 1, Closure Criteria for Soils Impacted by a Release, of Title 19, Chapter 15, Part 29, Section 12 (19.15.29.12) of the New Mexico Administrative Code (NMAC). Results from the characterization desktop review are presented on page 3 of the Form C-141, Site Assessment/Characterization. Potential site receptors are identified on Figure 1.

Depth to groundwater at the Site is estimated to be greater than 100 feet below ground surface (bgs) based on the nearest groundwater well data. The closest permitted groundwater well with depth to groundwater data is NMOSE well C-03782-POD1, located approximately 441 feet northeast of the Site. The groundwater well has a reported depth to groundwater of 277 feet bgs and a total depth of 805 feet bgs. Ground surface elevation at the groundwater well location is 3,198 feet above mean sea level

Ensolum, LLC | Environmental, Engineering & Hydrogeologic Consultants 705 W. Wadley, Suite 210 | Midland, TX 78209 | ensolum.com Texas PG Firm No. 50588 | Texas PE Firm No. F-21843



(amsl), which is approximately 1 foot lower in elevation than the Site. There are no regional or Site-specific hydrological conditions, such as shallow surface water, karst features, wetlands, or vegetation that suggest the Site is conducive to shallow groundwater. All wells used for depth to groundwater determination are presented on Figure 1. The referenced well records are included in Appendix A.

The closest continuously flowing or significant watercourse to the Site is an intermittent riverine, located approximately 3,293 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). Site receptors are identified on Figure 1.

Based on the results of the Site Characterization, the following NMOCD Table 1 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 ACTIVITIES

On April 20, 2022, site assessment activities were conducted to evaluate the release based on information provided on the Form C-141 and visual observations. No visible indications of the release or fire were observed; therefore, boreholes BH01 through BH03 and surface samples SS01 and SS02 were collected around the flare to confirm the absence of impacted soil. Boreholes BH01 through BH03 were advanced to depth of 2 feet bgs. Delineation soils samples were collected from each borehole at depths of 0.5 feet, 1-foot and, 2 feet bgs. Surface samples SS01 and SS02 were collected from a depth of 0.5 feet bgs from the pasture area directly east of the flare. The soil samples were field screened for volatile organic compounds (VOCs) utilizing a calibrated photoionization detector (PID) and chloride using Hach® chloride QuanTab® test strips. Field screening results and observations for the boreholes were logged on lithologic soil sampling logs, which are included in Appendix B. The flare stack release point and soil sample locations were mapped utilizing a handheld Global Positioning System (GPS) unit and are depicted on Figure 2. Photographic documentation of the assessment activities is included in Appendix C.

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

LABORATORY ANALYTICAL RESULTS

Laboratory analytical results for the delineation soil samples collected from boreholes BH01 through BH03 indicated that benzene, BTEX, TPH-GRO/TPH-DRO, TPH, and chloride concentrations were compliant with the Site Closure Criteria and provided vertical delineation to below the most stringent



Table 1 Closure Criteria. Laboratory analytical results for surface samples SS01 and SS02 indicated that benzene, BTEX, TPH, and chloride concentrations were compliant with the most Stringent Table 1 Closure Criteria. Laboratory analytical results are summarized in Table 1 and laboratory analytical reports are included as Appendix D.

CLOSURE REQUEST

Site assessment activities were conducted at the Site to assess for the presence or absence of impacted soil resulting from the January 29, 2022 crude oil flare fire. Laboratory analytical results for the soil samples collected from the flare release area indicated that benzene, BTEX, TPH-GRO/TPH-DRO, TPH, and chloride concentrations were compliant with the Closure Criteria. Based on the soil sample analytical results, no impacted soil was identified and no further remediation was required.

Depth to groundwater is greater than 100 feet bgs and no other sensitive receptors were identified near the release extent. XTO believes these remedial actions are protective of human health, the environment, and groundwater. XTO respectfully requests closure for Incident Number NAPP2204125212.

If you have any questions or comments, please contact Ms. Aimee Cole at (720) 384-7365 or acole@ensolum.com.

Aimee Cole

Senior Managing Scientist

Sincerely,

Ensolum, LLC

Kalei Jennings Senior Scientist

Adrian Baker, XTO

Bureau of Land Management

Appendices:

CC:

Figure 1 Site Location Map

Figure 2 Delineation Soil Sample Locations
Table 1 Soil Sample Analytical Results
Appendix A Appendix B Lithologic Soil Sampling Logs

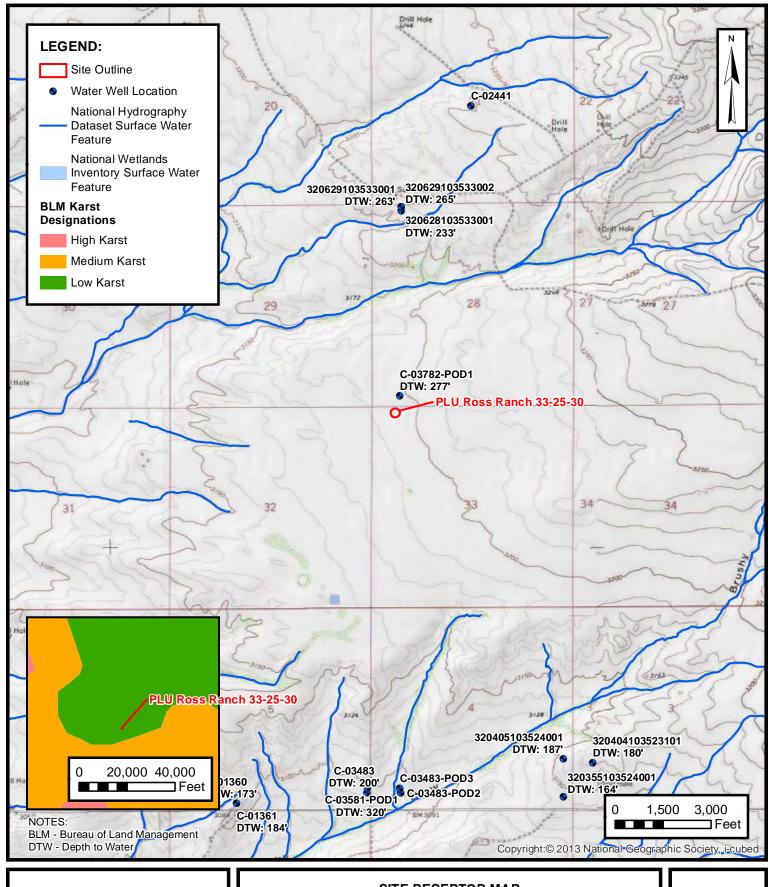
Appendix C Photographic Log

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

Appendix E NMOCD Sample Notification



FIGURES





SITE RECEPTOR MAP

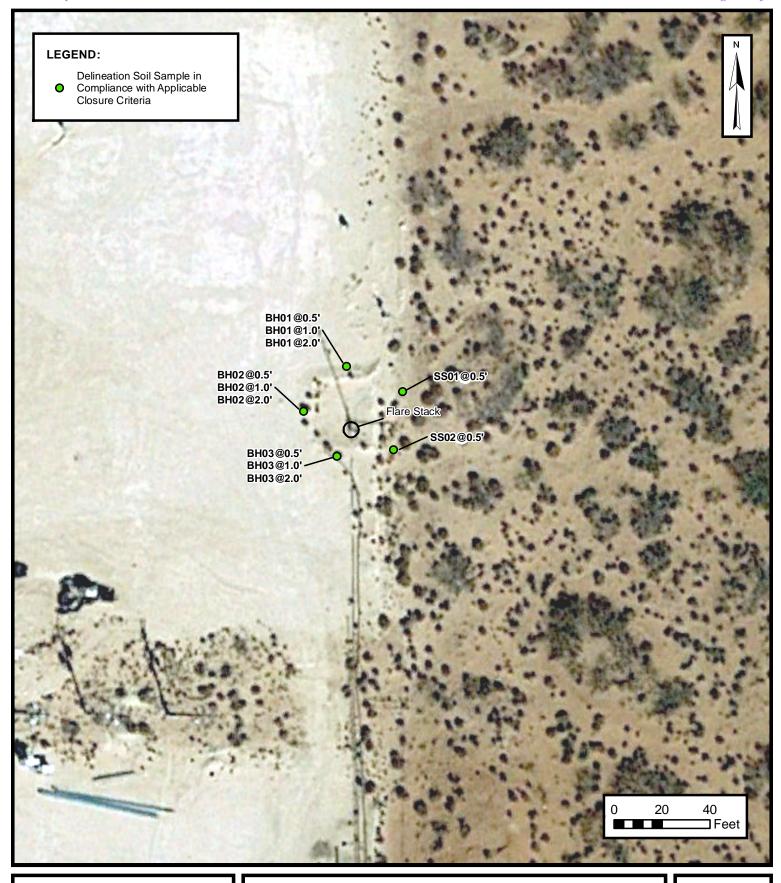
XTO ENERGY, INC PLU ROSS RANCH 33-25-30 NAPP2204125212 Unit D, Sec 33, T25S, R30E

Eddy County, New Mexico

1

FIGURE

Released to Imaging: 5/19/2022 9:20:27 AM





DELINEATION SOIL SAMPLE LOCATIONS

XTO ENERGY, INC
PLU ROSS RANCH 33-25-30
NAPP2204125212
Unit D, Sec 33, T25S, R30E
Eddy County, New Mexico

FIGURE

2



TABLES



TABLE 1 SOIL SAMPLE ANALYTICAL RESULTS XTO Energy, Inc. - PLU Ross Ranch 33-25-30 Eddy County, New Mexico

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)			
NMOCD Table 1	Closure Criteria	(NMAC 19.15.29)	10	50	NE	NE	NE	1,000	2,500	20,000			
				Delineation Soil Sample Analytical Results									
BH01	04/20/2022	0.5	< 0.00200	< 0.00399	<50.0	<50.0	< 50.0	<50.0	< 50.0	330			
BH01A	04/20/2022	1	< 0.00200	< 0.00400	< 50.0	< 50.0	< 50.0	< 50.0	< 50.0	37.1			
BH01B	04/20/2022	2	< 0.00200	< 0.00401	< 50.0	< 50.0	< 50.0	< 50.0	< 50.0	31.3			
BH02	04/20/2022	0.5	< 0.00201	< 0.00399	< 50.0	< 50.0	< 50.0	< 50.0	< 50.0	699			
BH02A	04/20/2022	1	< 0.00199	< 0.00398	<49.9	<49.9	<49.9	<49.9	<49.9	132			
BH02B	04/20/2022	2	< 0.00201	< 0.00402	< 50.0	< 50.0	< 50.0	< 50.0	< 50.0	57.8			
BH03	04/20/2022	0.5	< 0.00200	< 0.00399	<50.0	148	< 50.0	148	148	633			
BH03A	04/20/2022	1	< 0.00199	< 0.00398	<49.9	<49.9	<49.9	<49.9	<49.9	132			
BH03B	04/20/2022	2	< 0.00201	< 0.00402	<49.9	<49.9	<49.9	<49.9	<49.9	47.9			
SS01	04/20/2022	0.5	< 0.00200	< 0.00399	<49.9	60.6	<49.9	60.6	60.6	15.8			
SS02	04/20/2022	0.5	< 0.00199	< 0.00398	< 50.0	90.0	< 50.0	90.0	90.0	13.0			

Notes:

bgs: below ground surface

mg/kg: milligrams per kilogram

NMOCD: New Mexico Oil Conservation Division

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

Concentrations in bold exceed the NMOCD Table 1 Closure Criteria for Soils Impacted by a Release



APPENDIX A

Referenced Well Records

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(quarters are 1=NW 2=NE 3=SW 4=SE)

Point of Diversion Summary

(NAD83 UTM in meters) (quarters are smallest to largest) Well Tag POD Number Q64 Q16 Q4 Sec Tws Rng X C 03782 POD1 3 28 25S 30E 604526 3551444 Driller License: 331 Driller Company: SBQ2, LLC DBA STEWART BROTHERS DRILLING CO. Driller Name: Drill Start Date: 01/16/2015 Drill Finish Date: 01/17/2015 Plug Date:

Log File Date: 02/19/2015 PCW Rcv Date: Source: Artesian
Pump Type: Pipe Discharge Size: Estimated Yield:

Casing Size: 8.63 Depth Well: 805 feet Depth Water: 277 feet

Water Bearing Stratifications:	Top	Bottom	Description
	260	320	Sandstone/Gravel/Conglomerate
	320	380	Sandstone/Gravel/Conglomerate
	380	410	Sandstone/Gravel/Conglomerate
	410	530	Shale/Mudstone/Siltstone
	530	590	Shale/Mudstone/Siltstone
	590	600	Shale/Mudstone/Siltstone
	600	630	Shale/Mudstone/Siltstone
	630	650	Shale/Mudstone/Siltstone
	650	700	Shale/Mudstone/Siltstone
	700	710	Shale/Mudstone/Siltstone
	710	760	Shale/Mudstone/Siltstone
	760	770	Shale/Mudstone/Siltstone
	770	780	Shale/Mudstone/Siltstone
	780	790	Shale/Mudstone/Siltstone
	790	805	Shale/Mudstone/Siltstone
Casing Perforations:	Top	Bottom	
	270	805	

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, or suitability for any particular purpose of the data.

Eddy County, New Mexico
Latitude 32°06'28", Longitude 103°53'30" NAD27
Land-surface elevation 3,207 feet above NAVD88
The depth of the well is 288 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.

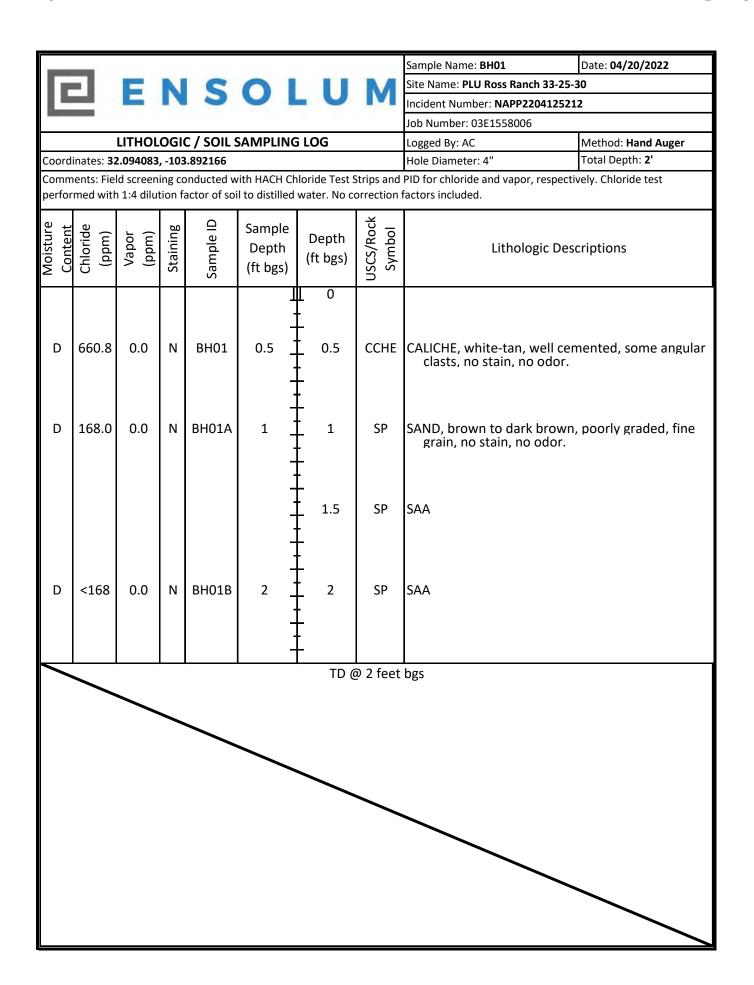
Output formats						
Table of data						
Tab-separated data						
Graph of data						
Reselect period						

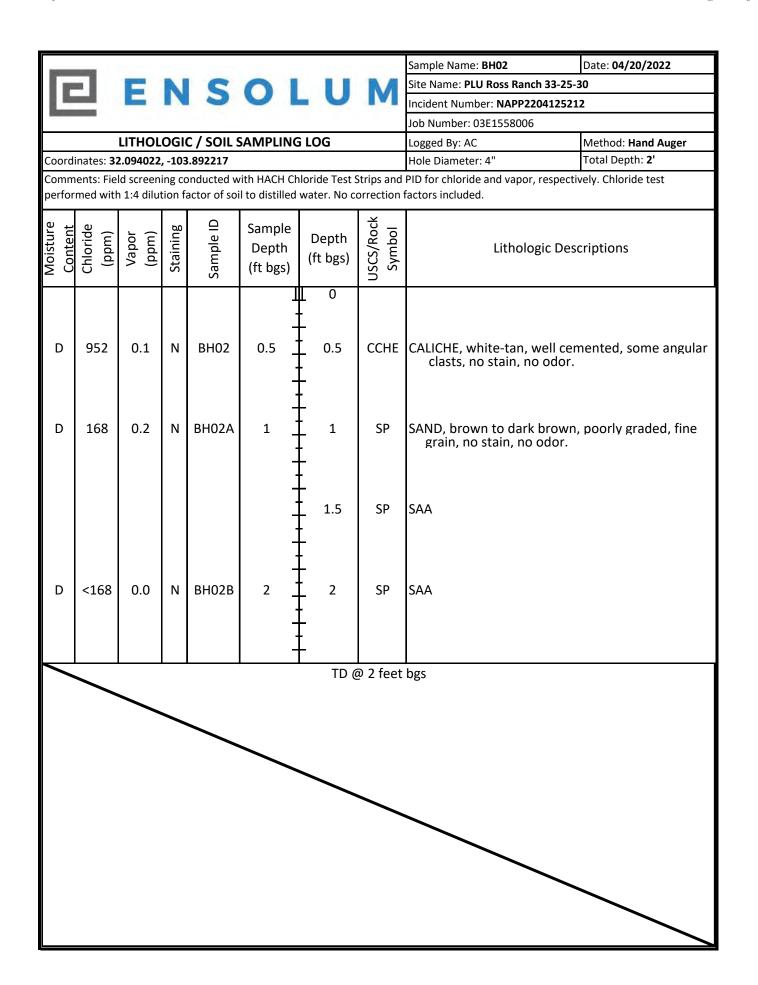
Date \$	Time \$	Water- level of date- time accuracy	Parameter \$ code	Water level, feet below land surface	Water level, feet above \$ specific vertical datum	Referenced vertical \$ datum	2 Status	Method of preasurement	Measuring \$ agency	Source of \$ measurement	Wat leve appi stat
1958-08-21		D	62610		2972.36	NGVD29		Z			
1958-08-21		D	62611		2972.30	NAVD88	1	Z			
1958-08-21		D	72019	233.00	227, 1789	,	1	Z			
1959-02-05		D	62610		2939.26	NGVD29	Р	z			
1959-02-05		D	62611		2940.90	NAVD88	Р	Z			
1959-02-05		D	72019	266.10			Р	Z			
1983-02-01		D	62610		2945.48	NGVD29	1	Z			
1983-02-01		D	62611		2947.12	NAVD88	1	Z			
1983-02-01		D	72019	259.88			1	Z			
1998-01-28		D	62610		2940.76	NGVD29	1	S			
1998-01-28		D	62611		2942.40	NAVD88	1	S			
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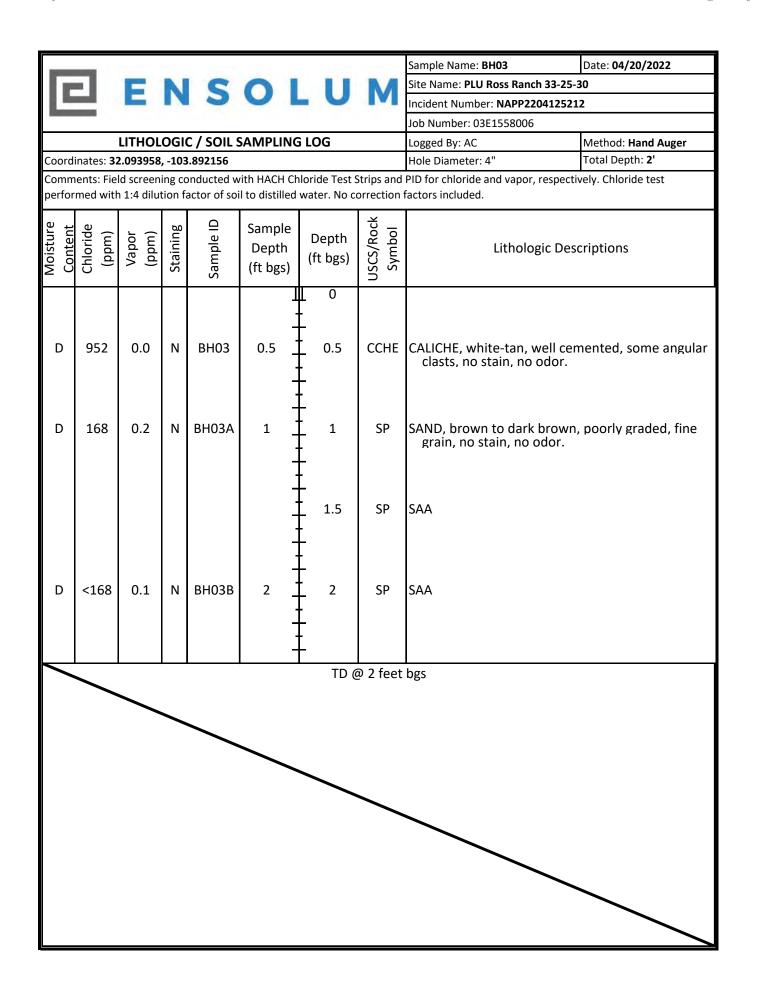


APPENDIX B

Lithologic / Soil Sampling Logs









APPENDIX C

Photographic Log



Photographic Log

XTO Energy, Inc.
PLU Ross Ranch 33-25-20
Incident Number nAPP2204125212



Photograph 1

Date: April 20, 2022

Description: Photo of flare area taken during delineation activities.



Photograph 2

Date: April 20,2022

Description: Photo of BH03 taken during delineation activities.



APPENDIX D

Laboratory Analytical Reports & Chain-of-Custody

Documentation



Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 890-2218-1

Laboratory Sample Delivery Group: 03E1558006

Client Project/Site: PLU RR 33-25-30

For:

Ensolum 705 W. Wadley Suite 210 Midland, Texas 79701

Attn: Kalei Jennings

MEAMER

Authorized for release by: 4/22/2022 3:28:23 PM

Jessica Kramer, Project Manager (432)704-5440

Jessica.Kramer@et.eurofinsus.com

.....LINKS

Review your project results through

TOTAL RECESSION

Have a Question?



Visit us at:

www.eurofinsus.com/Env

Released to Imaging: 5/19/2022 9:20:27 AM

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

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

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Client: Ensolum Laboratory Job ID: 890-2218-1 Project/Site: PLU RR 33-25-30

SDG: 03E1558006

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QC Association Summary	18
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Certification Summary	24
Method Summary	25
Sample Summary	26
Chain of Custody	27
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Definitions/Glossary

Job ID: 890-2218-1 Client: Ensolum Project/Site: PLU RR 33-25-30

SDG: 03E1558006

Qualifiers

GC VOA

Qualifier **Qualifier Description** F1 MS and/or MSD recovery exceeds control limits. S1-Surrogate recovery exceeds control limits, low biased. Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier **Qualifier Description**

F1 MS and/or MSD recovery exceeds control limits. 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. 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

Case Narrative

Client: Ensolum

Project/Site: PLU RR 33-25-30

Job ID: 890-2218-1

SDG: 03E1558006

Job ID: 890-2218-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative 890-2218-1

Receipt

The samples were received on 4/20/2022 4:22 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 11.6°C

GC VOA

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-23938 and analytical batch 880-23884 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8021B: Surrogate recovery for the following samples were outside control limits: (MB 880-23912/5-A) and (MB 880-23938/5-A). Evidence of matrix interferences is not obvious.

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

GC Semi VOA

Method 8015MOD NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-23944 and analytical batch 880-23891 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

HPLC/IC

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

Lab Sample ID: 890-2218-1

Client Sample Results

 Client: Ensolum
 Job ID: 890-2218-1

 Project/Site: PLU RR 33-25-30
 SDG: 03E1558006

Client Sample ID: BH01

Date Collected: 04/20/22 09:45 Date Received: 04/20/22 16:22

Sample Depth: 0.5

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		04/21/22 11:12	04/22/22 06:16	1
Toluene	<0.00200	U	0.00200	mg/Kg		04/21/22 11:12	04/22/22 06:16	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		04/21/22 11:12	04/22/22 06:16	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		04/21/22 11:12	04/22/22 06:16	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		04/21/22 11:12	04/22/22 06:16	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		04/21/22 11:12	04/22/22 06:16	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130			04/21/22 11:12	04/22/22 06:16	1
1,4-Difluorobenzene (Surr)	106		70 - 130			04/21/22 11:12	04/22/22 06:16	1
Method: Total BTEX - Total BTE	(Calculation							
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
			0.00399	mg/Kg				
Method: 8015 NM - Diesel Range	Organics (DR	O) (GC)						
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			04/22/22 10:26	1
Method: 8015B NM - Diesel Rang	ge Organics (D	RO) (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		04/21/22 13:57	04/21/22 23:53	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		04/21/22 13:57	04/21/22 23:53	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		04/21/22 13:57	04/21/22 23:53	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	107		70 - 130			04/21/22 13:57	04/21/22 23:53	1
o-Terphenyl	107		70 - 130			04/21/22 13:57	04/21/22 23:53	1
Mathadi 200 0 Aniana lan Chu	omatagraphy	Soluble						
Method: 300.0 - Anions, Ion Chro	Jiliatograpily -	Oolubic						
Analyte		Qualifier	RL	Unit mg/Kg	D	Prepared	Analyzed	Dil Fac

Client Sample ID: BH01A

Date Collected: 04/20/22 09:55 Date Received: 04/20/22 16:22

Sample Depth: 1

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		04/21/22 11:12	04/22/22 06:43	1
Toluene	<0.00200	U	0.00200	mg/Kg		04/21/22 11:12	04/22/22 06:43	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		04/21/22 11:12	04/22/22 06:43	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		04/21/22 11:12	04/22/22 06:43	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		04/21/22 11:12	04/22/22 06:43	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		04/21/22 11:12	04/22/22 06:43	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130			04/21/22 11:12	04/22/22 06:43	

Eurofins Carlsbad

Lab Sample ID: 890-2218-2

Matrix: Solid

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Lab Sample ID: 890-2218-2

Client Sample Results

Client: Ensolum Job ID: 890-2218-1 Project/Site: PLU RR 33-25-30 SDG: 03E1558006

Client Sample ID: BH01A

Date Collected: 04/20/22 09:55 Date Received: 04/20/22 16:22

Sample Depth: 1

Method: 8021B - Volatile Organic Compounds	(GC) (Continued)
Method. 002 1D - Volatile Organic Compounds	(OO) (Oolillillided)

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	96	70 - 130	04/21/22 11:12	04/22/22 06:43	1

Method:	Total	BTFX	- Total	BTFX	Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400	mg/Kg			04/22/22 11:15	1

Method: 8015 NM - Diesel	Danga Organica		
i welliou, ou la min - Diesei	Range Organics	ונטאטו	901

Analyte		Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH		<50.0	U	50.0	mg/Kg			04/22/22 10:26	1

Mothod: 901ED	NM Diocol	Pango Ore	aniec /	DBO	CC
Method: 8015B	MINI - DIESEI	Range Org	janics (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		04/21/22 13:57	04/22/22 00:14	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		04/21/22 13:57	04/22/22 00:14	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		04/21/22 13:57	04/22/22 00:14	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130			04/21/22 13:57	04/22/22 00:14	1

04/21/
04/21/

o-Terphenyl	98	70 - 130	04/21/22 13:57	04/22/22 00:14	1
Method: 300.0 - Anions, Ion Chromatograp	hy - Soluble				

Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	37.1	4.98	mg/Kg			04/21/22 20:47	1

Client Sample ID: BH01B Lab Sample ID: 890-2218-3 Matrix: Solid

Date Collected: 04/20/22 10:05 Date Received: 04/20/22 16:22

Sample Depth: 2

Mathadi 0004D	Valatile Overen	ic Compounds (GC)
Memoo: Auzib	- voianie Urdan	ic Compounds (GC)

Method. 002 1D - Volatile Orga	inic compounds (,00,						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		04/21/22 11:12	04/22/22 07:10	1
Toluene	<0.00200	U	0.00200	mg/Kg		04/21/22 11:12	04/22/22 07:10	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		04/21/22 11:12	04/22/22 07:10	1
m-Xylene & p-Xylene	<0.00401	U	0.00401	mg/Kg		04/21/22 11:12	04/22/22 07:10	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		04/21/22 11:12	04/22/22 07:10	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		04/21/22 11:12	04/22/22 07:10	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130			04/21/22 11:12	04/22/22 07:10	1
1,4-Difluorobenzene (Surr)	99		70 - 130			04/21/22 11:12	04/22/22 07:10	1

Mothod:	Total RTEY	- Total RTFY	Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401	mg/Kg			04/22/22 11:15	1

Method: 8015 NM - Diesel	Range Organics	(DRO)	(GC)
Michiga. 00 to Min - Diesei	Trainge Organics	(DITO)	(00)

Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0 U	50.0	mg/Kg			04/22/22 10:26	1

Lab Sample ID: 890-2218-3

Client: Ensolum Job ID: 890-2218-1 Project/Site: PLU RR 33-25-30 SDG: 03E1558006

Client Sample ID: BH01B

Date Collected: 04/20/22 10:05 Date Received: 04/20/22 16:22

Sample Depth: 2

Method: 8015B NM - Diesel Rang	ge Organics (D	RO) (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0	mg/Kg		04/21/22 13:57	04/22/22 00:36	1
(GRO)-C6-C10								
Diesel Range Organics (Over	<50.0	U	50.0	mg/Kg		04/21/22 13:57	04/22/22 00:36	1
C10-C28)								
OII Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		04/21/22 13:57	04/22/22 00:36	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	113		70 - 130			04/21/22 13:57	04/22/22 00:36	1
o-Terphenyl	115		70 - 130			04/21/22 13:57	04/22/22 00:36	1
- Method: 300.0 - Anions, Ion Chro	omatography -	Soluble						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac

Lab Sample ID: 890-2218-4 **Client Sample ID: BH02** Date Collected: 04/20/22 10:15 Matrix: Solid

Date Received: 04/20/22 16:22

Sample Depth: 0.5

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		04/21/22 11:12	04/22/22 07:37	1
Toluene	<0.00200	U	0.00200	mg/Kg		04/21/22 11:12	04/22/22 07:37	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		04/21/22 11:12	04/22/22 07:37	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		04/21/22 11:12	04/22/22 07:37	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		04/21/22 11:12	04/22/22 07:37	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		04/21/22 11:12	04/22/22 07:37	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 - 130			04/21/22 11:12	04/22/22 07:37	1
1,4-Difluorobenzene (Surr)	96		70 - 130			04/21/22 11:12	04/22/22 07:37	1
Method: Total BTEX - Total BTEX	(Calculation							
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			04/22/22 11:15	1
Method: 8015 NM - Diesel Range	Organics (DR	O) (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			04/22/22 10:26	1
Method: 8015B NM - Diesel Rang	ge Organics (D	RO) (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		04/21/22 13:57	04/22/22 00:57	1
<u></u>	<50.0	U	50.0	mg/Kg		04/21/22 13:57	04/22/22 00:57	1
Diesel Range Organics (Over C10-C28)								
	<50.0	U	50.0	mg/Kg		04/21/22 13:57	04/22/22 00:57	1
C10-C28) OII Range Organics (Over C28-C36)	<50.0 %Recovery		50.0 Limits	mg/Kg		04/21/22 13:57 Prepared	04/22/22 00:57 Analyzed	1 Dil Fac
C10-C28)				mg/Kg				

Client Sample Results

Client: Ensolum Job ID: 890-2218-1 Project/Site: PLU RR 33-25-30 SDG: 03E1558006

Client Sample ID: BH02 Lab Sample ID: 890-2218-4

Date Collected: 04/20/22 10:15 Matrix: Solid Date Received: 04/20/22 16:22

Sample Depth: 0.5

Method: 300.0 - Anions, Ion Chromatography - Soluble									
	Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Chloride	699		4.99	mg/Kg			04/21/22 21:06	1

Client Sample ID: BH02A Lab Sample ID: 890-2218-5 Matrix: Solid

Date Collected: 04/20/22 10:25

Date Received: 04/20/22 16:22

Sample Depth: 1

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0.00199	U	0.00199	mg/Kg		04/21/22 11:12	04/22/22 08:05	
Toluene	< 0.00199	U	0.00199	mg/Kg		04/21/22 11:12	04/22/22 08:05	,
Ethylbenzene	< 0.00199	U	0.00199	mg/Kg		04/21/22 11:12	04/22/22 08:05	
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		04/21/22 11:12	04/22/22 08:05	1
o-Xylene	< 0.00199	U	0.00199	mg/Kg		04/21/22 11:12	04/22/22 08:05	
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		04/21/22 11:12	04/22/22 08:05	,
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130			04/21/22 11:12	04/22/22 08:05	1
1,4-Difluorobenzene (Surr)	103		70 - 130			04/21/22 11:12	04/22/22 08:05	1
Method: Total BTEX - Total BTEX	X Calculation							
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			04/22/22 11:15	1
Method: 8015 NM - Diesel Range Analyte	•	O) (GC) Qualifier	RL	11-24		Dunnand		
		Qualifici	KL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9		49.9	mg/Kg	— -	Prepared	04/22/22 10:26	Dil Fac
		U			D	Prepared		
: Method: 8015B NM - Diesel Rang	ge Organics (D	U			D	Prepared		
Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics	ge Organics (D	RO) (GC) Qualifier	49.9	mg/Kg			04/22/22 10:26	1
Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	ge Organics (D	RO) (GC) Qualifier U	49.9	mg/Kg		Prepared	04/22/22 10:26 Analyzed	Dil Fac
Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	ge Organics (D Result <49.9	U RO) (GC) Qualifier U	49.9 RL 49.9	mg/Kg Unit mg/Kg		Prepared 04/21/22 13:57	04/22/22 10:26 Analyzed 04/22/22 01:19	Dil Fac
Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	ge Organics (D Result <49.9	U RO) (GC) Qualifier U U	49.9 RL 49.9 49.9	mg/Kg Unit mg/Kg mg/Kg		Prepared 04/21/22 13:57 04/21/22 13:57	04/22/22 10:26 Analyzed 04/22/22 01:19 04/22/22 01:19	Dil Fac
Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	ge Organics (D Result <49.9 <49.9	U RO) (GC) Qualifier U U	49.9 RL 49.9 49.9 49.9	mg/Kg Unit mg/Kg mg/Kg		Prepared 04/21/22 13:57 04/21/22 13:57	04/22/22 10:26 Analyzed 04/22/22 01:19 04/22/22 01:19	Dil Face 1 1 1 Dil Face
Total TPH Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl	ge Organics (D Result <49.9 <49.9 <49.9 %Recovery	U RO) (GC) Qualifier U U	49.9 RL 49.9 49.9 49.9 Limits	mg/Kg Unit mg/Kg mg/Kg		Prepared 04/21/22 13:57 04/21/22 13:57 04/21/22 13:57 Prepared	04/22/22 10:26 Analyzed 04/22/22 01:19 04/22/22 01:19 04/22/22 01:19 Analyzed	Dil Fac
Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Surrogate 1-Chlorooctane	ge Organics (D Result <49.9 <49.9 <49.9 **Recovery** 97 96	U RO) (GC) Qualifier U U Qualifier	49.9 RL 49.9 49.9 49.9 Limits 70 - 130	mg/Kg Unit mg/Kg mg/Kg		Prepared 04/21/22 13:57 04/21/22 13:57 04/21/22 13:57 Prepared 04/21/22 13:57	04/22/22 10:26 Analyzed 04/22/22 01:19 04/22/22 01:19 Analyzed 04/22/22 01:19	Dil Fac
Method: 8015B NM - Diesel Range Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl	ge Organics (D Result <49.9 <49.9 <49.9 **Recovery 97 96 omatography -	U RO) (GC) Qualifier U U Qualifier	49.9 RL 49.9 49.9 49.9 Limits 70 - 130	mg/Kg Unit mg/Kg mg/Kg		Prepared 04/21/22 13:57 04/21/22 13:57 04/21/22 13:57 Prepared 04/21/22 13:57	04/22/22 10:26 Analyzed 04/22/22 01:19 04/22/22 01:19 Analyzed 04/22/22 01:19	Dil Fac

Lab Sample ID: 890-2218-6

Client Sample Results

 Client: Ensolum
 Job ID: 890-2218-1

 Project/Site: PLU RR 33-25-30
 SDG: 03E1558006

Client Sample ID: BH02B

Date Collected: 04/20/22 10:30 Date Received: 04/20/22 16:22

Sample Depth: 2

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		04/21/22 11:12	04/22/22 09:54	1
Toluene	<0.00201	U	0.00201	mg/Kg		04/21/22 11:12	04/22/22 09:54	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		04/21/22 11:12	04/22/22 09:54	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	mg/Kg		04/21/22 11:12	04/22/22 09:54	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		04/21/22 11:12	04/22/22 09:54	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		04/21/22 11:12	04/22/22 09:54	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		70 - 130			04/21/22 11:12	04/22/22 09:54	1
1,4-Difluorobenzene (Surr)	99		70 - 130			04/21/22 11:12	04/22/22 09:54	1
Method: Total BTEX - Total BTEX	(Calculation							
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
: Method: 8015 NM - Diesel Range	Organics (DR	O) (GC)						
Analyte	•	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			04/22/22 10:26	1
Method: 8015B NM - Diesel Rang	ge Organics (D	RO) (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		04/21/22 13:57	04/22/22 01:41	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		04/21/22 13:57	04/22/22 01:41	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		04/21/22 13:57	04/22/22 01:41	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	107		70 - 130			04/21/22 13:57	04/22/22 01:41	1
o-Terphenyl	109		70 - 130			04/21/22 13:57	04/22/22 01:41	1
Method: 300.0 - Anions, Ion Chro	omatography -	Soluble						
Analyte	Result 57.8	Qualifier	RL 4.95	Unit mg/Kg	D	Prepared	Analyzed 04/21/22 21:24	Dil Fac

Client Sample ID: BH03

Date Collected: 04/20/22 10:35 Date Received: 04/20/22 16:22

Sample Depth: 0.5

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		04/21/22 11:12	04/22/22 10:20	1
Toluene	<0.00200	U	0.00200	mg/Kg		04/21/22 11:12	04/22/22 10:20	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		04/21/22 11:12	04/22/22 10:20	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		04/21/22 11:12	04/22/22 10:20	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		04/21/22 11:12	04/22/22 10:20	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		04/21/22 11:12	04/22/22 10:20	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 - 130			04/21/22 11:12	04/22/22 10:20	

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Lab Sample ID: 890-2218-7

Matrix: Solid

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Client Sample Results

 Client: Ensolum
 Job ID: 890-2218-1

 Project/Site: PLU RR 33-25-30
 SDG: 03E1558006

Client Sample ID: BH03 Lab Sample ID: 890-2218-7

Date Collected: 04/20/22 10:35

Date Received: 04/20/22 16:22

Matrix: Solid

Sample Depth: 0.5

Method: 8021B - Volatile Organic	Compounds ((GC) (Conti	nued)					
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	99		70 - 130			04/21/22 11:12	04/22/22 10:20	1
Method: Total BTEX - Total BTEX	(Calculation							
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			04/22/22 11:15	1
Method: 8015 NM - Diesel Range	•	O) (GC) Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	148		50.0	mg/Kg			04/22/22 10:26	1
Method: 8015B NM - Diesel Rang	ge Organics (D	RO) (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		04/21/22 13:57	04/22/22 02:03	1
Diesel Range Organics (Over C10-C28)	148		50.0	mg/Kg		04/21/22 13:57	04/22/22 02:03	1

OII Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg	04/21/22 13:57	04/22/22 02:03	1
Surrogate	%Recovery	Qualifier	Limits		Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 130		04/21/22 13:57	04/22/22 02:03	1
o-Terphenyl	102		70 - 130		04/21/22 13:57	04/22/22 02:03	1

Method: 300.0 - Anions, Ion Chromatography - Soluble								
	Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Chloride	633	5.05	mg/Kg			04/21/22 21:52	1

Client Sample ID: BH03A

Date Collected: 04/20/22 10:40

Lab Sample ID: 890-2218-8

Matrix: Solid

Date Collected: 04/20/22 10:40 Date Received: 04/20/22 16:22

Sample Depth: 1

Total TPH

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		04/21/22 11:12	04/22/22 10:47	1
Toluene	<0.00199	U	0.00199	mg/Kg		04/21/22 11:12	04/22/22 10:47	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		04/21/22 11:12	04/22/22 10:47	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		04/21/22 11:12	04/22/22 10:47	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		04/21/22 11:12	04/22/22 10:47	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		04/21/22 11:12	04/22/22 10:47	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130			04/21/22 11:12	04/22/22 10:47	1
1,4-Difluorobenzene (Surr)	97		70 - 130			04/21/22 11:12	04/22/22 10:47	1
Method: Total BTEX - Total B1	EX Calculation							
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			04/22/22 11:15	1
- Method: 8015 NM - Diesel Rar	ige Organics (DR	O) (GC)						
	'							

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04/22/22 10:26

49.9

mg/Kg

<49.9 U

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Client: Ensolum Job ID: 890-2218-1 SDG: 03E1558006

Project/Site: PLU RR 33-25-30

Client Sample ID: BH03A Lab Sample ID: 890-2218-8 Date Collected: 04/20/22 10:40 Matrix: Solid Date Received: 04/20/22 16:22

Sample Depth: 1

Method: 8015B NM - Diesel Rang	e Organics (D	RO) (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		04/21/22 13:57	04/22/22 02:25	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		04/21/22 13:57	04/22/22 02:25	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		04/21/22 13:57	04/22/22 02:25	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 130			04/21/22 13:57	04/22/22 02:25	1
o-Terphenyl	94		70 - 130			04/21/22 13:57	04/22/22 02:25	1
Method: 300.0 - Anions, Ion Chro	matography -	Soluble						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	132		4.99	mg/Kg			04/21/22 22:01	1

Client Sample ID: BH03B Lab Sample ID: 890-2218-9 Matrix: Solid

Date Collected: 04/20/22 10:45 Date Received: 04/20/22 16:22

Sample Depth: 2

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		04/21/22 11:12	04/22/22 11:14	1
Toluene	< 0.00201	U	0.00201	mg/Kg		04/21/22 11:12	04/22/22 11:14	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		04/21/22 11:12	04/22/22 11:14	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	mg/Kg		04/21/22 11:12	04/22/22 11:14	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		04/21/22 11:12	04/22/22 11:14	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		04/21/22 11:12	04/22/22 11:14	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		70 - 130			04/21/22 11:12	04/22/22 11:14	1
1,4-Difluorobenzene (Surr)	95		70 - 130			04/21/22 11:12	04/22/22 11:14	1
- Method: Total BTEX - Total BTEX	Calculation							
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			04/22/22 11:15	1
-	*****	-	0.00102	mg/ng			0 1/22/22 11110	
_			0.00102	mg/kg			0 1/22/22 ******	,
Method: 8015 NM - Diesel Range	Organics (DR		RL	Unit	D	Prepared	Analyzed	
Method: 8015 NM - Diesel Range Analyte Total TPH	Organics (DR	O) (GC) Qualifier			<u>D</u>	Prepared		Dil Fac
Method: 8015 NM - Diesel Range Analyte Total TPH	Organics (DR Result <49.9	O) (GC) Qualifier	RL	Unit	<u>D</u>	Prepared	Analyzed	Dil Fac
Method: 8015 NM - Diesel Range Analyte Total TPH Method: 8015B NM - Diesel Rang	Organics (DR Result <49.9	O) (GC) Qualifier	RL	Unit	D	Prepared Prepared	Analyzed	Dil Fac
Method: 8015 NM - Diesel Range Analyte Total TPH Method: 8015B NM - Diesel Rang	Organics (DR Result <49.9	O) (GC) Qualifier U RO) (GC) Qualifier	RL 49.9	Unit mg/Kg		<u> </u>	Analyzed 04/22/22 10:26	Dil Fac
Method: 8015 NM - Diesel Range Analyte Total TPH Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics	Organics (DR/Result <49.9 e Organics (D/Result <49.9)	Qualifier U RO) (GC) Qualifier U	RL 49.9	Unit mg/Kg		Prepared	Analyzed 04/22/22 10:26 Analyzed 04/22/22 02:46	Dil Fac
Method: 8015 NM - Diesel Range Analyte Total TPH Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Organics (DR/Result <49.9 e Organics (D/Result Result)	Qualifier U RO) (GC) Qualifier U	RL 	Unit mg/Kg		Prepared	Analyzed 04/22/22 10:26 Analyzed	Dil Fac Dil Fac
Method: 8015 NM - Diesel Range Analyte Total TPH Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Organics (DR/Result <49.9 e Organics (D/Result <49.9) <p>449.9</p>	O) (GC) Qualifier U RO) (GC) Qualifier U	RL 49.9 RL 49.9 49.9	Unit mg/Kg Unit mg/Kg mg/Kg		Prepared 04/21/22 13:57 04/21/22 13:57	Analyzed 04/22/22 10:26 Analyzed 04/22/22 02:46 04/22/22 02:46	Dil Fac
Method: 8015 NM - Diesel Range Analyte Total TPH Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Organics (DR/Result <49.9 e Organics (D/Result <49.9)	O) (GC) Qualifier U RO) (GC) Qualifier U	RL 49.9	Unit mg/Kg Unit mg/Kg		Prepared 04/21/22 13:57	Analyzed 04/22/22 10:26 Analyzed 04/22/22 02:46	Dil Fac
Method: 8015 NM - Diesel Range Analyte Total TPH Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Organics (DR/Result <49.9 e Organics (D/Result <49.9) <p>449.9</p>	O) (GC) Qualifier U RO) (GC) Qualifier U U	RL 49.9 RL 49.9 49.9	Unit mg/Kg Unit mg/Kg mg/Kg		Prepared 04/21/22 13:57 04/21/22 13:57	Analyzed 04/22/22 10:26 Analyzed 04/22/22 02:46 04/22/22 02:46	Dil Fac
Method: 8015 NM - Diesel Range Analyte Total TPH Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	Organics (DR/Result	O) (GC) Qualifier U RO) (GC) Qualifier U U	RL 49.9 RL 49.9 49.9 49.9	Unit mg/Kg Unit mg/Kg mg/Kg		Prepared 04/21/22 13:57 04/21/22 13:57	Analyzed 04/22/22 10:26 Analyzed 04/22/22 02:46 04/22/22 02:46 04/22/22 02:46	Dil Fac Dil Fac 1 1 1

Matrix: Solid

Client Sample Results

 Client: Ensolum
 Job ID: 890-2218-1

 Project/Site: PLU RR 33-25-30
 SDG: 03E1558006

Client Sample ID: BH03B Lab Sample ID: 890-2218-9

Date Collected: 04/20/22 10:45
Date Received: 04/20/22 16:22

Sample Depth: 2

Method: 300.0 - Anions, Ion Chromatography - Soluble								
	Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Chloride	47.9	4.98	mg/Kg			04/21/22 22:28	1

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Surrogate Summary

 Client: Ensolum
 Job ID: 890-2218-1

 Project/Site: PLU RR 33-25-30
 SDG: 03E1558006

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid Prep Type: Total/NA

				Percent Surrogate Re
		BFB1	DFBZ1	
_ab Sample ID	Client Sample ID	(70-130)	(70-130)	
880-13942-A-1-A MS	Matrix Spike	96	100	
880-13942-A-1-B MSD	Matrix Spike Duplicate	94	99	
890-2218-1	BH01	98	106	
890-2218-2	BH01A	97	96	
890-2218-3	BH01B	94	99	
890-2218-4	BH02	92	96	
890-2218-5	BH02A	99	103	
390-2218-6	BH02B	90	99	
890-2218-7	BH03	92	99	
890-2218-8	BH03A	94	97	
890-2218-9	ВН03В	88	95	
LCS 880-23938/1-A	Lab Control Sample	87	101	
LCSD 880-23938/2-A	Lab Control Sample Dup	86	103	
MB 880-23912/5-A	Method Blank	64 S1-	89	
MB 880-23938/5-A	Method Blank	67 S1-	91	
_				
Surrogate Legend				
BFB = 4-Bromofluorobenzene				
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)	. <u> </u>
890-2216-A-2-C MS	Matrix Spike	79	73	
890-2216-A-2-D MSD	Matrix Spike Duplicate	82	75	
890-2218-1	BH01	107	107	
890-2218-2	BH01A	103	98	
890-2218-3	BH01B	113	115	
890-2218-4	BH02	97	97	
890-2218-5	BH02A	97	96	
890-2218-6	BH02B	107	109	
890-2218-7	BH03	105	102	
890-2218-8	ВН03А	95	94	
890-2218-9	внозв	108	106	
LCS 880-23944/2-A	Lab Control Sample	100	90	
LCSD 880-23944/3-A	Lab Control Sample Dup	104	94	
MB 880-23944/1-A	Method Blank	95	100	
Surrogate Legend				
1CO = 1-Chlorooctane				
OTPH = o-Terphenyl				

Client: Ensolum Job ID: 890-2218-1 SDG: 03E1558006 Project/Site: PLU RR 33-25-30

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-23912/5-A

Lab Sample ID: MB 880-23938/5-A

Analysis Batch: 23884

Matrix: Solid

Matrix: Solid

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 23912

	IND	IVID						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		04/21/22 09:54	04/21/22 12:11	1
Toluene	<0.00200	U	0.00200	mg/Kg		04/21/22 09:54	04/21/22 12:11	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		04/21/22 09:54	04/21/22 12:11	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		04/21/22 09:54	04/21/22 12:11	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		04/21/22 09:54	04/21/22 12:11	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		04/21/22 09:54	04/21/22 12:11	1

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MR MR

Surrogate	%Recovery	Qualifier	Limits	Prepare	d Analy	zed Dil Fac
4-Bromofluorobenzene (Surr)	64	S1-	70 - 130	04/21/22 0	9:54 04/21/22	2 12:11 1
1,4-Difluorobenzene (Surr)	89		70 - 130	04/21/22 0	9:54 04/21/22	2 12:11 1

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 23938

Analysis Batch: 23884 MB MB

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		04/21/22 11:12	04/22/22 03:35	1
Toluene	<0.00200	U	0.00200	mg/Kg		04/21/22 11:12	04/22/22 03:35	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		04/21/22 11:12	04/22/22 03:35	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		04/21/22 11:12	04/22/22 03:35	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		04/21/22 11:12	04/22/22 03:35	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		04/21/22 11:12	04/22/22 03:35	1

мв мв

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	67	S1-	70 - 130	04/21/22 11:12	04/22/22 03:35	1
1,4-Difluorobenzene (Surr)	91		70 - 130	04/21/22 11:12	04/22/22 03:35	1

Lab Sample ID: LCS 880-23938/1-A

Matrix: Solid

Analysis Batch: 23884

Client Sample ID: Lab Control Sample

Prep Type: Total/NA Prep Batch: 23938

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.09640		mg/Kg		96	70 - 130	
Toluene	0.100	0.09108		mg/Kg		91	70 - 130	
Ethylbenzene	0.100	0.09337		mg/Kg		93	70 - 130	
m-Xylene & p-Xylene	0.200	0.1778		mg/Kg		89	70 - 130	
o-Xylene	0.100	0.1152		mg/Kg		115	70 - 130	

LCS LCS

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	87	70 _ 130
1.4-Difluorobenzene (Surr)	101	70 - 130

Lab Sample ID: LCSD 880-23938/2-A

Matrix: Solid

Analysis Batch: 23884

Client Sample II	D: Lab	Control	Sample	Dup
		Drop T	mo: Tota	I/NI A

Prep Type: Total/NA

Prep Batch: 23938

	Spike	LCSD LCSD				%Rec		RPD
Analyte	Added	Result Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.100	0.08835	mg/Kg		88	70 - 130	9	35

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QC Sample Results

Client: Ensolum Job ID: 890-2218-1 Project/Site: PLU RR 33-25-30 SDG: 03E1558006

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

Lab Sample ID: LCSD 880-23938/2-A

Matrix: Solid Analysis Batch: 23884 Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA Prep Batch: 23938

	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Toluene	0.100	0.08353		mg/Kg		84	70 - 130	9	35
Ethylbenzene	0.100	0.08102		mg/Kg		81	70 - 130	14	35
m-Xylene & p-Xylene	0.200	0.1601		mg/Kg		80	70 - 130	10	35
o-Xylene	0.100	0.09035		mg/Kg		90	70 - 130	24	35

LCSD LCSD

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	86		70 - 130
1,4-Difluorobenzene (Surr)	103		70 - 130

Lab Sample ID: 880-13942-A-1-A MS Client Sample ID: Matrix Spike

Matrix: Solid

Analysis Batch: 23884

Prep Type: Total/NA

Prep Batch: 23938

	Sample	Sample	Spike	MS	MS				%Rec
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits
Benzene	<0.00200	U	0.0996	0.08937		mg/Kg		90	70 - 130
Toluene	<0.00200	U	0.0996	0.09115		mg/Kg		92	70 - 130
Ethylbenzene	<0.00200	U	0.0996	0.07588		mg/Kg		76	70 - 130
m-Xylene & p-Xylene	<0.00401	U F1	0.199	0.1269	F1	mg/Kg		64	70 - 130
o-Xylene	<0.00200	U	0.0996	0.08863		mg/Kg		89	70 - 130

MS MS

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	96	70 - 130
1,4-Difluorobenzene (Surr)	100	70 - 130

Lab Sample ID: 880-13942-A-1-B MSD

Matrix: Solid

o-Xylene

Analysis Batch: 23884

Client Sample ID: Matrix Spike Duplicate

70 - 130

Prep Type: Total/NA Prep Batch: 23938

35

%Rec Spike MSD MSD RPD Sample Sample Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits RPD Limit Benzene <0.00200 0.0992 0.09737 mg/Kg 98 70 - 130 35 Toluene <0.00200 U 0.0992 0.09165 mg/Kg 92 70 - 130 35 Ethylbenzene <0.00200 U 0.0992 0.07959 mg/Kg 80 70 - 130 35 61 <0.00401 UF1 0.198 0.1212 F1 70 - 130 35 m-Xylene & p-Xylene mg/Kg

0.08874

mq/Kq

0.0992

MSD MSD

<0.00200 U

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	94		70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

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

Lab Sample ID: MB 880-23944/1-A

Matrix: Solid

Analysis Batch: 23891

Client Sample ID: Method Blank

Prep Type: Total/NA Prep Batch: 23944

мв мв Result Qualifier RL Unit Prepared <50.0 U 50.0 mg/Kg 04/21/22 13:57 04/21/22 21:44 Gasoline Range Organics (GRO)-C6-C10

Client: Ensolum

Job ID: 890-2218-1

SDG: 03E1558006

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

Lab Sample ID: MB 880-23944/1-A

Matrix: Solid

Analysis Batch: 23891

Project/Site: PLU RR 33-25-30

	Client	Sample	ID:	Method	В	lank
--	--------	--------	-----	--------	---	------

Prep Type: Total/NA

Prep Batch: 23944

ı									
	Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		04/21/22 13:57	04/21/22 21:44	1
	Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		04/21/22 13:57	04/21/22 21:44	1

MB MB

MR MR

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 130	04/21/22 13:57	04/21/22 21:44	1
o-Terphenyl	100		70 - 130	04/21/22 13:57	04/21/22 21:44	1

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 880-23944/2-A **Matrix: Solid** Prep Type: Total/NA Analysis Batch: 23891

Prep Batch: 23944

LCS LCS Spike Analyte Added Result Qualifier Unit D %Rec Limits Gasoline Range Organics 1000 821.9 82 70 - 130 mg/Kg (GRO)-C6-C10 1000 972.8 Diesel Range Organics (Over mg/Kg 97 70 - 130C10-C28)

LCS LCS

Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	100		70 - 130
o-Terphenyl	90		70 - 130

Lab Sample ID: LCSD 880-23944/3-A

Lab Sample ID: 890-2216-A-2-C MS

Client Sample ID: Lab Control Sample Dup

Matrix: Solid Analysis Batch: 23891 Prep Type: Total/NA Prep Batch: 23944

Spike LCSD LCSD %Rec **RPD** Analyte Added Result Qualifier %Rec Limits RPD Limit Unit D Gasoline Range Organics 1000 900.4 mg/Kg 90 70 - 130 9 20 (GRO)-C6-C10 Diesel Range Organics (Over 1000 1002 mg/Kg 100 70 - 130 3 20

C10-C28)

LCSD LCSD Surrogate %Recovery Qualifier Limits 1-Chlorooctane 104 70 - 130 o-Terphenyl 94 70 - 130

Client Sample ID: Matrix Spike

Matrix: Solid Prep Type: Total/NA Analysis Batch: 23891

Prep Batch: 23944

MS MS Sample Sample Spike %Rec Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits <49.9 U 999 716.6 70 70 - 130 Gasoline Range Organics mg/Kg (GRO)-C6-C10 999 668.0 F1 Diesel Range Organics (Over <49.9 UF1 mg/Kg 70 - 130

C10-C28)

	IVIS	IVIS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	79		70 - 130
o-Terphenyl	73		70 - 130

Lab Sample ID: 890-2216-A-2-D MSD

Client: Ensolum Job ID: 890-2218-1 Project/Site: PLU RR 33-25-30 SDG: 03E1558006

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

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 23944

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Client Sample ID: BH02B

Client Sample ID: BH02B

Prep Type: Soluble

Prep Type: Soluble

ı		Sample	Sample	Бріке	M2D	MSD				%Rec		RPD	
	Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
	Gasoline Range Organics	<49.9	U	999	791.5		mg/Kg		77	70 - 130	10	20	
	(GRO)-C6-C10												
	Diesel Range Organics (Over	<49.9	U F1	999	706.4	F1	mg/Kg		68	70 - 130	6	20	
	C10 C20)												

C10-C28)

Matrix: Solid

Analysis Batch: 23891

MSD MSD

Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	82		70 - 130
o-Terphenyl	75		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-23900/1-A Client Sample ID: Method Blank **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 23991

мв мв

Analyte	Result Q	ualifier RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00 U	5.00	mg/Kg			04/21/22 18:48	1

Lab Sample ID: LCS 880-23900/2-A **Client Sample ID: Lab Control Sample Matrix: Solid Prep Type: Soluble**

Analysis Batch: 23991

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	250	245.8		mg/Kg		98	90 - 110	

Lab Sample ID: LCSD 880-23900/3-A

Matrix: Solid

Analysis Batch: 23991

	Spike	LCSD	LCSD				%Rec		RPD	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Chloride	250	245.1		mg/Kg		98	90 - 110	0	20	

Lab Sample ID: 890-2218-6 MS

Matrix: Solid

Analysis Batch: 23991

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	57.8		248	301.2		ma/Ka	_	98	90 110	_

Lab Sample ID: 890-2218-6 MSD

Matrix: Solid

Analysis Batch: 23991											
	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	57.8		248	313 7		ma/Ka		103	90 - 110	4	20

Client: Ensolum Job ID: 890-2218-1 Project/Site: PLU RR 33-25-30 SDG: 03E1558006

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Analysis Batch: 23884

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2218-1	BH01	Total/NA	Solid	8021B	23938
890-2218-2	BH01A	Total/NA	Solid	8021B	23938
890-2218-3	BH01B	Total/NA	Solid	8021B	23938
890-2218-4	BH02	Total/NA	Solid	8021B	23938
890-2218-5	BH02A	Total/NA	Solid	8021B	23938
890-2218-6	BH02B	Total/NA	Solid	8021B	23938
890-2218-7	BH03	Total/NA	Solid	8021B	23938
890-2218-8	BH03A	Total/NA	Solid	8021B	23938
890-2218-9	BH03B	Total/NA	Solid	8021B	23938
MB 880-23912/5-A	Method Blank	Total/NA	Solid	8021B	23912
MB 880-23938/5-A	Method Blank	Total/NA	Solid	8021B	23938
LCS 880-23938/1-A	Lab Control Sample	Total/NA	Solid	8021B	23938
LCSD 880-23938/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	23938
880-13942-A-1-A MS	Matrix Spike	Total/NA	Solid	8021B	23938
880-13942-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	23938

Prep Batch: 23912

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-23912/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 23938

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2218-1	BH01	Total/NA	Solid	5035	
890-2218-2	BH01A	Total/NA	Solid	5035	
890-2218-3	BH01B	Total/NA	Solid	5035	
890-2218-4	BH02	Total/NA	Solid	5035	
890-2218-5	BH02A	Total/NA	Solid	5035	
890-2218-6	BH02B	Total/NA	Solid	5035	
890-2218-7	BH03	Total/NA	Solid	5035	
890-2218-8	BH03A	Total/NA	Solid	5035	
890-2218-9	BH03B	Total/NA	Solid	5035	
MB 880-23938/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-23938/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-23938/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-13942-A-1-A MS	Matrix Spike	Total/NA	Solid	5035	
880-13942-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 24028

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2218-1	BH01	Total/NA	Solid	Total BTEX	
890-2218-2	BH01A	Total/NA	Solid	Total BTEX	
890-2218-3	BH01B	Total/NA	Solid	Total BTEX	
890-2218-4	BH02	Total/NA	Solid	Total BTEX	
890-2218-5	BH02A	Total/NA	Solid	Total BTEX	
890-2218-6	BH02B	Total/NA	Solid	Total BTEX	
890-2218-7	BH03	Total/NA	Solid	Total BTEX	
890-2218-8	BH03A	Total/NA	Solid	Total BTEX	
890-2218-9	внозв	Total/NA	Solid	Total BTEX	

Client: Ensolum Job ID: 890-2218-1 Project/Site: PLU RR 33-25-30 SDG: 03E1558006

GC Semi VOA

Analysis Batch: 23891

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2218-1	BH01	Total/NA	Solid	8015B NM	23944
890-2218-2	BH01A	Total/NA	Solid	8015B NM	23944
890-2218-3	BH01B	Total/NA	Solid	8015B NM	23944
890-2218-4	BH02	Total/NA	Solid	8015B NM	23944
890-2218-5	BH02A	Total/NA	Solid	8015B NM	23944
890-2218-6	BH02B	Total/NA	Solid	8015B NM	23944
890-2218-7	BH03	Total/NA	Solid	8015B NM	23944
890-2218-8	BH03A	Total/NA	Solid	8015B NM	23944
890-2218-9	внозв	Total/NA	Solid	8015B NM	23944
MB 880-23944/1-A	Method Blank	Total/NA	Solid	8015B NM	23944
LCS 880-23944/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	23944
LCSD 880-23944/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	23944
890-2216-A-2-C MS	Matrix Spike	Total/NA	Solid	8015B NM	23944
890-2216-A-2-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	23944

Prep Batch: 23944

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2218-1	BH01	Total/NA	Solid	8015NM Prep	
890-2218-2	BH01A	Total/NA	Solid	8015NM Prep	
890-2218-3	BH01B	Total/NA	Solid	8015NM Prep	
890-2218-4	BH02	Total/NA	Solid	8015NM Prep	
890-2218-5	BH02A	Total/NA	Solid	8015NM Prep	
890-2218-6	BH02B	Total/NA	Solid	8015NM Prep	
890-2218-7	BH03	Total/NA	Solid	8015NM Prep	
890-2218-8	BH03A	Total/NA	Solid	8015NM Prep	
890-2218-9	ВН03В	Total/NA	Solid	8015NM Prep	
MB 880-23944/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-23944/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-23944/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-2216-A-2-C MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-2216-A-2-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 24018

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2218-1	BH01	Total/NA	Solid	8015 NM	_
890-2218-2	BH01A	Total/NA	Solid	8015 NM	
890-2218-3	BH01B	Total/NA	Solid	8015 NM	
890-2218-4	BH02	Total/NA	Solid	8015 NM	
890-2218-5	BH02A	Total/NA	Solid	8015 NM	
890-2218-6	BH02B	Total/NA	Solid	8015 NM	
890-2218-7	BH03	Total/NA	Solid	8015 NM	
890-2218-8	BH03A	Total/NA	Solid	8015 NM	
890-2218-9	BH03B	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 23900

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2218-1	BH01	Soluble	Solid	DI Leach	
890-2218-2	BH01A	Soluble	Solid	DI Leach	
890-2218-3	BH01B	Soluble	Solid	DI Leach	

 Client: Ensolum
 Job ID: 890-2218-1

 Project/Site: PLU RR 33-25-30
 SDG: 03E1558006

HPLC/IC (Continued)

Leach Batch: 23900 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2218-4	BH02	Soluble	Solid	DI Leach	
890-2218-5	BH02A	Soluble	Solid	DI Leach	
890-2218-6	BH02B	Soluble	Solid	DI Leach	
890-2218-7	BH03	Soluble	Solid	DI Leach	
890-2218-8	ВН03А	Soluble	Solid	DI Leach	
890-2218-9	ВН03В	Soluble	Solid	DI Leach	
MB 880-23900/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-23900/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-23900/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-2218-6 MS	BH02B	Soluble	Solid	DI Leach	
890-2218-6 MSD	BH02B	Soluble	Solid	DI Leach	

Analysis Batch: 23991

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2218-1	BH01	Soluble	Solid	300.0	23900
890-2218-2	BH01A	Soluble	Solid	300.0	23900
890-2218-3	BH01B	Soluble	Solid	300.0	23900
890-2218-4	BH02	Soluble	Solid	300.0	23900
890-2218-5	BH02A	Soluble	Solid	300.0	23900
890-2218-6	BH02B	Soluble	Solid	300.0	23900
890-2218-7	BH03	Soluble	Solid	300.0	23900
890-2218-8	BH03A	Soluble	Solid	300.0	23900
890-2218-9	ВН03В	Soluble	Solid	300.0	23900
MB 880-23900/1-A	Method Blank	Soluble	Solid	300.0	23900
LCS 880-23900/2-A	Lab Control Sample	Soluble	Solid	300.0	23900
LCSD 880-23900/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	23900
890-2218-6 MS	BH02B	Soluble	Solid	300.0	23900
890-2218-6 MSD	BH02B	Soluble	Solid	300.0	23900

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Client: Ensolum Job ID: 890-2218-1 Project/Site: PLU RR 33-25-30 SDG: 03E1558006

Client Sample ID: BH01 Lab Sample ID: 890-2218-1

Matrix: Solid

Date Collected: 04/20/22 09:45 Date Received: 04/20/22 16:22

	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	23938	04/21/22 11:12	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	23884	04/22/22 06:16	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			24028	04/22/22 11:15	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			24018	04/22/22 10:26	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	23944	04/21/22 13:57	DM	XEN MID
Total/NA	Analysis	8015B NM		1			23891	04/21/22 23:53	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	23900	04/21/22 09:36	CH	XEN MID
Soluble	Analysis	300.0		1			23991	04/21/22 20:38	CH	XEN MID

Client Sample ID: BH01A Lab Sample ID: 890-2218-2

Date Collected: 04/20/22 09:55 Matrix: Solid Date Received: 04/20/22 16:22

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	23938	04/21/22 11:12	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	23884	04/22/22 06:43	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			24028	04/22/22 11:15	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			24018	04/22/22 10:26	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	23944	04/21/22 13:57	DM	XEN MID
Total/NA	Analysis	8015B NM		1			23891	04/22/22 00:14	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	23900	04/21/22 09:36	CH	XEN MID
Soluble	Analysis	300.0		1			23991	04/21/22 20:47	CH	XEN MID

Client Sample ID: BH01B Lab Sample ID: 890-2218-3

Date Collected: 04/20/22 10:05 **Matrix: Solid** Date Received: 04/20/22 16:22

	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	23938	04/21/22 11:12	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	23884	04/22/22 07:10	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			24028	04/22/22 11:15	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			24018	04/22/22 10:26	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	23944	04/21/22 13:57	DM	XEN MID
Total/NA	Analysis	8015B NM		1			23891	04/22/22 00:36	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	23900	04/21/22 09:36	CH	XEN MID
Soluble	Analysis	300.0		1			23991	04/21/22 20:56	CH	XEN MID

Client Sample ID: BH02 Lab Sample ID: 890-2218-4

Date Collected: 04/20/22 10:15 **Matrix: Solid** Date Received: 04/20/22 16:22

	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	23938	04/21/22 11:12	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	23884	04/22/22 07:37	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			24028	04/22/22 11:15	AJ	XEN MID

Job ID: 890-2218-1

Client: Ensolum Project/Site: PLU RR 33-25-30 SDG: 03E1558006

Client Sample ID: BH02 Lab Sample ID: 890-2218-4 Date Collected: 04/20/22 10:15 Matrix: Solid

Date Received: 04/20/22 16:22

	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			24018	04/22/22 10:26	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	23944	04/21/22 13:57	DM	XEN MID
Total/NA	Analysis	8015B NM		1			23891	04/22/22 00:57	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	23900	04/21/22 09:36	CH	XEN MID
Soluble	Analysis	300.0		1			23991	04/21/22 21:06	CH	XEN MID

Client Sample ID: BH02A Lab Sample ID: 890-2218-5 **Matrix: Solid**

Date Collected: 04/20/22 10:25 Date Received: 04/20/22 16:22

	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	23938	04/21/22 11:12	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	23884	04/22/22 08:05	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			24028	04/22/22 11:15	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			24018	04/22/22 10:26	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	23944	04/21/22 13:57	DM	XEN MID
Total/NA	Analysis	8015B NM		1			23891	04/22/22 01:19	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	23900	04/21/22 09:36	CH	XEN MID
Soluble	Analysis	300.0		1			23991	04/21/22 21:15	CH	XEN MID

Client Sample ID: BH02B Lab Sample ID: 890-2218-6 Date Collected: 04/20/22 10:30

Date Received: 04/20/22 16:22

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	23938	04/21/22 11:12	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	23884	04/22/22 09:54	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			24028	04/22/22 11:15	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			24018	04/22/22 10:26	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	23944	04/21/22 13:57	DM	XEN MID
Total/NA	Analysis	8015B NM		1			23891	04/22/22 01:41	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	23900	04/21/22 09:36	CH	XEN MID
Soluble	Analysis	300.0		1			23991	04/21/22 21:24	CH	XEN MID

Client Sample ID: BH03 Lab Sample ID: 890-2218-7

Date Collected: 04/20/22 10:35 Date Received: 04/20/22 16:22

_	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	23938	04/21/22 11:12	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	23884	04/22/22 10:20	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			24028	04/22/22 11:15	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			24018	04/22/22 10:26	AJ	XEN MID
Total/NA Total/NA	Prep Analysis	8015NM Prep 8015B NM		1	10.01 g	10 mL	23944 23891	04/21/22 13:57 04/22/22 02:03	DM AJ	XEN MID XEN MID

Eurofins Carlsbad

Matrix: Solid

Matrix: Solid

Client: Ensolum

Project/Site: PLU RR 33-25-30

Job ID: 890-2218-1

SDG: 03E1558006

Client Sample ID: BH03

Date Collected: 04/20/22 10:35 Date Received: 04/20/22 16:22 Lab Sample ID: 890-2218-7

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			4.95 g	50 mL	23900	04/21/22 09:36	CH	XEN MID
Soluble	Analysis	300.0		1			23991	04/21/22 21:52	CH	XEN MID

Client Sample ID: BH03A Lab Sample ID: 890-2218-8

Date Collected: 04/20/22 10:40 Date Received: 04/20/22 16:22

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	23938	04/21/22 11:12	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	23884	04/22/22 10:47	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			24028	04/22/22 11:15	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			24018	04/22/22 10:26	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	23944	04/21/22 13:57	DM	XEN MID
Total/NA	Analysis	8015B NM		1			23891	04/22/22 02:25	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	23900	04/21/22 09:36	CH	XEN MID
Soluble	Analysis	300.0		1			23991	04/21/22 22:01	CH	XEN MID

Client Sample ID: BH03B Lab Sample ID: 890-2218-9

Date Collected: 04/20/22 10:45

Matrix: Solid

Date Received: 04/20/22 16:22

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	23938	04/21/22 11:12	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	23884	04/22/22 11:14	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			24028	04/22/22 11:15	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			24018	04/22/22 10:26	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	23944	04/21/22 13:57	DM	XEN MID
Total/NA	Analysis	8015B NM		1			23891	04/22/22 02:46	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	23900	04/21/22 09:36	CH	XEN MID
Soluble	Analysis	300.0		1			23991	04/21/22 22:28	CH	XEN MID

Laboratory References:

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

Accreditation/Certification Summary

 Client: Ensolum
 Job ID: 890-2218-1

 Project/Site: PLU RR 33-25-30
 SDG: 03E1558006

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 06-30-22	
		ELAP	T104704400-21-22		
The following analytes	are included in this report, bu	it the laboratory is not certific	ed by the governing authority. This list ma	av include analytes for v	
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 RR 33-25-30

Job ID: 890-2218-1 SDG: 03E1558006

_		

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

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

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Sample Summary

Client: Ensolum

Project/Site: PLU RR 33-25-30

Job ID: 890-2218-1 SDG: 03E1558006

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-2218-1	BH01	Solid	04/20/22 09:45	04/20/22 16:22	0.5
890-2218-2	BH01A	Solid	04/20/22 09:55	04/20/22 16:22	1
890-2218-3	BH01B	Solid	04/20/22 10:05	04/20/22 16:22	2
890-2218-4	BH02	Solid	04/20/22 10:15	04/20/22 16:22	0.5
890-2218-5	BH02A	Solid	04/20/22 10:25	04/20/22 16:22	1
890-2218-6	BH02B	Solid	04/20/22 10:30	04/20/22 16:22	2
890-2218-7	BH03	Solid	04/20/22 10:35	04/20/22 16:22	0.5
890-2218-8	вноза	Solid	04/20/22 10:40	04/20/22 16:22	1
890-2218-9	BH03B	Solid	04/20/22 10:45	04/20/22 16:22	2

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Work Order No:

Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334

Environment Testing

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Xenco

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

Chain of Custody

Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296

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Revised Date: 08/25/2020 Rev. 2020. Date/Time Received by: (Signature) submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated folder: 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 if 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 Relinquished by: (Signature) Pate/Time rofins Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample Relinquished by: (Signature) ne

8RCRA 13PPM Texas 11 AI Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Sr TI Sn U V Zn

TCLP/SPLP6010 : 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U

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

200.8 / 6020:

Total 200.7 / 6010

Hg: 1631 / 245.1 / 7470 / 7471

Superfund Level IV DI Water: H₂O INC. NAPP 2204125212 NaOH: Na MeOH: Me HNO 3: HN Sample Comments Preservative Codes NaOH+Ascorbic Acid: SAPC C. 108/11/001 Zn Acetate+NaOH: Zn ರ RRC Other: Na 2 S 2 O 3: Na SO NaHSO 4: NABIS UST/PST | PRP | Brownfields | None: NO H,504: H2 H,PO 4: HP Cool: Cool HCL: HC Work Order Comments ADaPT www.xenco.com EDD State of Project: Deliverables: 890-2218 Chain of Custody Program: ANALYSIS REQUEST 3104 E Pieron calsbad, NM XID EMERGY Adrican Balker Email: Kisemings a cusolum. Com Pres. Code Cont # of Parameters Bill to: (if different) (Yes)No ompany Name: Grab/ Comp City, State ZIP: TAT starts the day received by the lab, if received by 4:30pm 20-24 hr Rush 705 W Washey Me. Switch dadress: Depth 0.5 1 Turn Around 0.5 0.5 848 Due Date: 0955 1005 1025 Routine Corrected Temperature: 1015 1030 1045 Wet Ice: Sampled 1035 200 Time Temperature Reading: Correction Factor: hermometer ID: Tenning> Middlend TX 29765 04/20/20 Yes Sampled 317-683-2503 Date PW RR 33-25-30 0361558006 Street Contract Contr -M20/UM Matrix Kaki AX N/A Temp Blank: RAP o N Alexis Yes No Yes No Yes BHU3 & B403A Sample Identification PSHO2A 84048 BHOIB BHOI BW2 8403 Samples Received Intact: Sample Custody Seals: Cooler Custody Seals: SAMPLE RECEIPT Project Number: Sampler's Name: Fotal Containers: roject Manager. Project Location: ompany Name: City, State ZIP: Project Name: Address: Phone: PO #:

Carlsbad, NM 88220

1089 N Canal St.

hone. 575-988-3199 Fax 575-988-3199

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Eurofins Carlsbad

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Chain of Custody Record

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Environment Testing

America

Midland State, Zip TX 79701 BH02B (890-2218-6) BH01B (890-2218-3) BH01 (890-2218-1) PLU RR 33-25-30 внозв (890-2218-9) BH03A (890-2218-8) BH03 (890-2218-7) BH02A (890-2218-5) BH02 (890-2218-4) BH01A (890-2218-2) 432-704-5440(Tel) ossible Hazard Identification lote. Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the aboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed the samples must be shipped back to the Eurofins Environment Testing South Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central, LLC. 1211 W Florida Ave Deliverable Requested I II III IV ample Identification - Client ID (Lab ID) urofins Environment Testing South Centr lient Information Custody Seals Intact. hipping/Receiving linquished by npty Kit Relinquished by inquished by nquished by: Yes No 8 (Sub Contract Lab) Custody Seal No Other (specify) (SC-18) 89000093 Primary Deliverable Rank. **∂** FAT Requested (days): Phone Date/Time Sample Date sampler 4/20/22 4/20/22 4/20/22 4/20/22 4/20/22 4/20/22 4/20/22 4/20/22 4/20/22 Date Mountain 10 25 Mountain 10 45 Mountain 10 40 Mountain 10 35 Mountain 10 30 Mountain 10 15 Mountain 10 05 Mountain 09 55 Sample 09 45 (C=Comp, G=grab Sample Preservation Code Type Company Company Matrix Solid Solid Solid Solid Solid Solid Solid Solid Solid Lab PM Kramer Jessica Jessica Kramer@et.eurofinsus Ime. Field Filtered Sample (Yes or No) NELAP - Texas ccreditations Required (See note): Special Instructions/QC Requirements Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) Perform MS/MSD (Yes or No) 8015MOD_NM/8015NM_S_Prep (MOD) Full TPH Received by: × × × × × × × × Cooler Temperature(s) °C and Other Remarks Return To Client × × × × × × × × × 8015MOD_Calc × × × \times × \times × × × 300 ORGFM 28D/DI LEACH Chloride × × × × × × 8021B/5035FP_Calc (MOD) BTEX × × × Analysis Requested SOF × Total_BTEX_GCV × × × × × × × × Disposal By Lab State of Origin New Mexico Carrier Tracking No(s) Date/Time Archive For Total Number of containers p. 2 4 Ä, A HCL
B NaOH
C Zn Acetate
D Nitric Acid
F MeOH
G Amchior
H Ascorbic Acid
J I loe
J DI Water
K EDTA
L EDA COC No. 890-716 1 Preservation Codes 890-2218-1 Page 1 of 1 Special Instructions/Note N ≤ < ⊂ ⊣ Ø ₪ Ø ™ O Z Z Ver: 06/08/2021 Company Company A None

AsNaO2

ASAO4S

Na2SO3

Na2SO3

Na2SO3

Na2SO3

A Na2S2O3

A Na2S2O3

A Na2Sebone

TSP Dodecahydrate

Acetone pH 4-5 other (specify)

Login Sample Receipt Checklist

Client: Ensolum Job Number: 890-2218-1 SDG Number: 03E1558006

Login Number: 2218 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.	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	

Login Sample Receipt Checklist

Client: Ensolum Job Number: 890-2218-1 SDG Number: 03E1558006

List Source: Eurofins Midland

Login Number: 2218

List Number: 2 List Creation: 04/21/22 01:11 PM Creator: Teel, Brianna

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

Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 890-2219-1

Laboratory Sample Delivery Group: 03E1558006

Client Project/Site: PLU RR 33-25-30

For:

Ensolum 705 W. Wadley Suite 210 Midland, Texas 79701

Attn: Kalei Jennings

JURAMER

Authorized for release by: 4/25/2022 1:08:31 PM

Jessica Kramer, Project Manager (432)704-5440

Jessica.Kramer@et.eurofinsus.com

-----LINKS

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Have a Question?



Visit us at:

www.eurofinsus.com/Env

Released to Imaging: 5/19/2022 9:20:27 AM

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

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

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Client: Ensolum
Project/Site: PLU RR 33-25-30
Laboratory Job ID: 890-2219-1
SDG: 03E1558006

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Definitions/Glossary

Job ID: 890-2219-1 Client: Ensolum Project/Site: PLU RR 33-25-30

SDG: 03E1558006

Qualifiers

GC VOA

Qualifier **Qualifier Description** F1 MS and/or MSD recovery exceeds control limits. S1-Surrogate recovery exceeds control limits, low biased. Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier **Qualifier Description** F1 MS and/or MSD recovery 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** U Indicates the analyte was analyzed for but not detected.

Glossary

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

¤ Listed under the "D" column to designate that the result is reported on a dry weight basis

%R Percent Recovery CFL Contains Free Liquid CFU Colony Forming Unit CNF Contains No Free Liquid

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)

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

NC Not Calculated

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 RR 33-25-30

Job ID: 890-2219-1 SDG: 03E1558006

Job ID: 890-2219-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative 890-2219-1

Receipt

The samples were received on 4/20/2022 4:22 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 11.6° C

GC VOA

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-23938 and analytical batch 880-23884 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

GC Semi VOA

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-23946 and analytical batch 880-24090 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (LCSD 880-23947/3-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 Sample Results

 Client: Ensolum
 Job ID: 890-2219-1

 Project/Site: PLU RR 33-25-30
 SDG: 03E1558006

Client Sample ID: SS01 Lab Sample ID: 890-2219-1

Date Collected: 04/20/22 10:50

Matrix: Solid

Date Received: 04/20/22 16:22

Sample Depth: 0.5

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		04/21/22 11:12	04/22/22 11:40	1
Toluene	<0.00200	U	0.00200	mg/Kg		04/21/22 11:12	04/22/22 11:40	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		04/21/22 11:12	04/22/22 11:40	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		04/21/22 11:12	04/22/22 11:40	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		04/21/22 11:12	04/22/22 11:40	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		04/21/22 11:12	04/22/22 11:40	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130			04/21/22 11:12	04/22/22 11:40	1
1,4-Difluorobenzene (Surr)	99		70 - 130			04/21/22 11:12	04/22/22 11:40	1
- Method: Total BTEX - Total BTEX	Calculation							
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			04/22/22 13:34	1
Analyte Total TPH	60.6	Qualifier	49.9	mg/Kg	D	Prepared	Analyzed 04/25/22 09:39	Dil Fac
Total TPH		Qualifier			— Б	Prepared		Dii Fac
Method: 8015B NM - Diesel Rang	ne Organics (D	RO) (GC)						
Analyte	•	Qualifier	RL	Unit	D	Prepared	Analyzed	
								Dil Fac
Gasoline Range Organics	<49.9	U	49.9	ma/Ka	_ <u>-</u>	04/21/22 14:06	04/23/22 18:59	Dil Fac
5 5	<49.9	U	49.9	mg/Kg				Dil Fac
(GRO)-C6-C10	<49.9	U	49.9	mg/Kg				
(GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	60.6		49.9	mg/Kg		04/21/22 14:06 04/21/22 14:06	04/23/22 18:59 04/23/22 18:59	1
(GRO)-C6-C10 Diesel Range Organics (Over					=	04/21/22 14:06	04/23/22 18:59	1
(GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	60.6 <49.9 %Recovery	U	49.9	mg/Kg	=	04/21/22 14:06 04/21/22 14:06 04/21/22 14:06 Prepared	04/23/22 18:59 04/23/22 18:59 04/23/22 18:59 Analyzed	1 1
(GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate	60.6 <49.9	U	49.9 49.9	mg/Kg		04/21/22 14:06 04/21/22 14:06 04/21/22 14:06	04/23/22 18:59 04/23/22 18:59 04/23/22 18:59	1
(GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	60.6 <49.9 %Recovery	U	49.9 49.9 <i>Limits</i>	mg/Kg	=	04/21/22 14:06 04/21/22 14:06 04/21/22 14:06 Prepared	04/23/22 18:59 04/23/22 18:59 04/23/22 18:59 Analyzed	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorooctane	60.6 <49.9 **Recovery 89 103	U Qualifier	49.9 49.9 Limits 70 - 130	mg/Kg		04/21/22 14:06 04/21/22 14:06 04/21/22 14:06 Prepared 04/21/22 14:06	04/23/22 18:59 04/23/22 18:59 04/23/22 18:59 Analyzed 04/23/22 18:59	1 1 1 Dil Fac
(GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl	60.6 <49.9 **Recovery 89 103 omatography -	U Qualifier	49.9 49.9 Limits 70 - 130	mg/Kg	D	04/21/22 14:06 04/21/22 14:06 04/21/22 14:06 Prepared 04/21/22 14:06	04/23/22 18:59 04/23/22 18:59 04/23/22 18:59 Analyzed 04/23/22 18:59	1 1 1 1 1 Dil Fac

Client Sample ID: SS02 Lab Sample ID: 890-2219-2

Date Collected: 04/20/22 10:55 Date Received: 04/20/22 16:22

Sample Depth: 0.5

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		04/21/22 11:12	04/22/22 12:07	1
Toluene	<0.00199	U	0.00199	mg/Kg		04/21/22 11:12	04/22/22 12:07	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		04/21/22 11:12	04/22/22 12:07	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		04/21/22 11:12	04/22/22 12:07	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		04/21/22 11:12	04/22/22 12:07	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		04/21/22 11:12	04/22/22 12:07	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		70 - 130			04/21/22 11:12	04/22/22 12:07	1

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Matrix: Solid

2

3

7

10

12

Client Sample Results

Client: Ensolum Job ID: 890-2219-1 Project/Site: PLU RR 33-25-30 SDG: 03E1558006

Client Sample ID: SS02 Lab Sample ID: 890-2219-2 Date Collected: 04/20/22 10:55

13.0

Matrix: Solid

04/21/22 22:47

Sample Depth: 0.5

Chloride

Date Received: 04/20/22 16:22

Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	96		70 - 130			04/21/22 11:12	04/22/22 12:07	1
Method: Total BTEX - Total BTE	X Calculation							
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			04/22/22 13:34	1
· Method: 8015 NM - Diesel Rang	e Organics (DR	O) (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	90		50.0	mg/Kg			04/25/22 09:39	1
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Method: 8015B NM - Diesel Ran	ge Organics (DI	RO) (GC)						
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		04/21/22 14:00	04/23/22 20:36	1
Diesel Range Organics (Over	90		50.0	mg/Kg		04/21/22 14:00	04/23/22 20:36	1
C10-C28)	30		00.0	99		0 1/2 1/22 1 1100	0 1/20/22 20:00	·
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		04/21/22 14:00	04/23/22 20:36	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	108		70 - 130			04/21/22 14:00	04/23/22 20:36	1
	108		70 - 130			04/21/22 14:00	04/23/22 20:36	

5.00

mg/Kg

Surrogate Summary

Client: Ensolum Job ID: 890-2219-1 Project/Site: PLU RR 33-25-30

SDG: 03E1558006

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid Prep Type: Total/NA

-				Percent Surrogate F
		BFB1	DFBZ1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
880-13942-A-1-A MS	Matrix Spike	96	100	
880-13942-A-1-B MSD	Matrix Spike Duplicate	94	99	
890-2219-1	SS01	96	99	
890-2219-2	SS02	90	96	
LCS 880-23938/1-A	Lab Control Sample	87	101	
LCSD 880-23938/2-A	Lab Control Sample Dup	86	103	
MB 880-23912/5-A	Method Blank	64 S1-	89	
MB 880-23938/5-A	Method Blank	67 S1-	91	
Surrogate Legend				
BFB = 4-Bromofluorobenz	ene (Surr)			

DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid Prep Type: Total/NA

identification de la constantia de la co				1.06.136
-				Percent Surrogate Recovery (Acceptance Limits)
		1CO1	OTPH1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
890-2217-A-1-B MS	Matrix Spike	92	85	
890-2217-A-1-C MSD	Matrix Spike Duplicate	94	86	
890-2219-1	SS01	89	103	
890-2219-2	SS02	108	108	
890-2221-A-1-B MS	Matrix Spike	90	94	
890-2221-A-1-C MSD	Matrix Spike Duplicate	88	92	
LCS 880-23946/2-A	Lab Control Sample	110	103	
LCSD 880-23946/3-A	Lab Control Sample Dup	111	107	
MB 880-23946/1-A	Method Blank	99	107	
Surrogate Legend				
1CO = 1-Chlorooctane				
OTPH = o-Terphenyl				

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

Matrix: Solid Prep Type: Total/NA

				Percent Surrogate Recovery (Acceptance Limits)
		1CO2	OTPH2	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
LCS 880-23947/2-A	Lab Control Sample	108	130	
LCSD 880-23947/3-A	Lab Control Sample Dup	110	132 S1+	
MB 880-23947/1-A	Method Blank	88	102	
Surrogate Legend				
1CO = 1-Chlorooctane				

Released to Imaging: 5/19/2022 9:20:27 AM

OTPH = o-Terphenyl

1

Client: Ensolum Job ID: 890-2219-1 SDG: 03E1558006 Project/Site: PLU RR 33-25-30

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-23912/5-A

Matrix: Solid

Analysis Batch: 23884

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 23912

	MB	MB						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		04/21/22 09:54	04/21/22 12:11	1
Toluene	<0.00200	U	0.00200	mg/Kg		04/21/22 09:54	04/21/22 12:11	
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		04/21/22 09:54	04/21/22 12:11	
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		04/21/22 09:54	04/21/22 12:11	
o-Xylene	<0.00200	U	0.00200	mg/Kg		04/21/22 09:54	04/21/22 12:11	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		04/21/22 09:54	04/21/22 12:11	•

MB MB

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	64 S1-	70 - 130	04/21/22 09:54	04/21/22 12:11	1
1,4-Difluorobenzene (Surr)	89	70 - 130	04/21/22 09:54	04/21/22 12:11	1

Lab Sample ID: MB 880-23938/5-A

Matrix: Solid

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 23938

Analysis Batch: 23884 мв мв

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		04/21/22 11:12	04/22/22 03:35	1
Toluene	<0.00200	U	0.00200	mg/Kg		04/21/22 11:12	04/22/22 03:35	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		04/21/22 11:12	04/22/22 03:35	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		04/21/22 11:12	04/22/22 03:35	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		04/21/22 11:12	04/22/22 03:35	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		04/21/22 11:12	04/22/22 03:35	1

мв мв

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	67	S1-	70 - 130	04/21/22 11	12 04/22/22 03:35	1
1,4-Difluorobenzene (Surr)	91		70 - 130	04/21/22 11	12 04/22/22 03:35	1

Lab Sample ID: LCS 880-23938/1-A

Matrix: Solid

Analysis Batch: 23884

Client Sample ID: Lab Control Sample

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA Prep Batch: 23938

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.09640		mg/Kg		96	70 - 130	
Toluene	0.100	0.09108		mg/Kg		91	70 - 130	
Ethylbenzene	0.100	0.09337		mg/Kg		93	70 - 130	
m-Xylene & p-Xylene	0.200	0.1778		mg/Kg		89	70 - 130	
o-Xylene	0.100	0.1152		mg/Kg		115	70 - 130	

LCS LCS

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	87	70 - 130
1.4-Difluorobenzene (Surr)	101	70 - 130

Lab Sample ID: LCSD 880-23938/2-A

Matrix: Solid

Matrix: Solid							Prep	iype: io	tai/NA
Analysis Batch: 23884							Prep	Batch:	23938
	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.100	0.08835		mg/Kg		88	70 - 130	9	35

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Dron Types Total/NA

QC Sample Results

Job ID: 890-2219-1 Client: Ensolum Project/Site: PLU RR 33-25-30 SDG: 03E1558006

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

Lab Sample ID: LCSD 880-23938/2-A

Matrix: Solid

Analysis Batch: 23884

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 23938

	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Toluene	0.100	0.08353		mg/Kg		84	70 - 130	9	35
Ethylbenzene	0.100	0.08102		mg/Kg		81	70 - 130	14	35
m-Xylene & p-Xylene	0.200	0.1601		mg/Kg		80	70 - 130	10	35
o-Xylene	0.100	0.09035		mg/Kg		90	70 - 130	24	35

LCSD LCSD

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	86		70 - 130
1,4-Difluorobenzene (Surr)	103		70 - 130

Lab Sample ID: 880-13942-A-1-A MS Client Sample ID: Matrix Spike

Matrix: Solid

Analysis Batch: 23884

Prep Type: Total/NA

Prep Batch: 23938

MS MS %Rec Sample Sample Spike Result Qualifier Analyte Added Result Qualifier Unit %Rec Limits Benzene 0.0996 0.08937 90 70 - 130 <0.00200 mg/Kg Toluene <0.00200 U 0.0996 0.09115 92 70 - 130 mg/Kg Ethylbenzene <0.00200 U 0.0996 0.07588 76 70 - 130 mg/Kg m-Xylene & p-Xylene <0.00401 U F1 0.199 0.1269 F1 64 70 - 130 mg/Kg o-Xylene <0.00200 U 0.0996 0.08863 mg/Kg 89 70 - 130

Spike

0.0992

MS MS

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	96	70 - 130
1,4-Difluorobenzene (Surr)	100	70 - 130

Lab Sample ID: 880-13942-A-1-B MSD

Matrix: Solid

Analyte

Benzene

Toluene

o-Xylene

Ethylbenzene

m-Xylene & p-Xylene

Analysis Batch: 23884

Client Sample ID: Matrix Spike Duplicate

%Rec

70 - 130

Prep Type: Total/NA Prep Batch: 23938

RPD

35

Result Qualifier Added Result Qualifier Unit %Rec Limits RPD Limit <0.00200 U 0.0992 0.09737 mg/Kg 98 70 - 130 35 <0.00200 U 0.0992 0.09165 mg/Kg 92 70 - 130 35 <0.00200 U 0.0992 0.07959 mg/Kg 70 - 130 35 61 <0.00401 UF1 0.198 0.1212 F1 70 - 130 35 mg/Kg

mg/Kg

MSD MSD

0.08874

MSD MSD

<0.00200 U

Sample Sample

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	94		70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

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

Lab Sample ID: MB 880-23946/1-A

Matrix: Solid

Analysis Batch: 24090

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

Prep Batch: 23946

MB MB Analyte Result Qualifier RL Unit Prepared Analyzed <50.0 U 50.0 mg/Kg 04/21/22 14:00 04/23/22 11:40 Gasoline Range Organics

(GRO)-C6-C10

 Client: Ensolum
 Job ID: 890-2219-1

 Project/Site: PLU RR 33-25-30
 SDG: 03E1558006

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

103

Lab Sample ID: MB 880-23946/1-A

Matrix: Solid

Analysis Batch: 24090

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 23946

	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		04/21/22 14:00	04/23/22 11:40	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		04/21/22 14:00	04/23/22 11:40	1
	МВ	МВ						
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 130			04/21/22 14:00	04/23/22 11:40	1
o-Terphenyl	107		70 - 130			04/21/22 14:00	04/23/22 11:40	1

Lab Sample ID: LCS 880-239 Matrix: Solid	946/2-A						Client	Sample	ID: Lab Control S Prep Type: To	
Analysis Batch: 24090									Prep Batch:	
•			Spike	LCS	LCS				%Rec	
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics			1000	877.3		mg/Kg		88	70 - 130	
(GRO)-C6-C10										
Diesel Range Organics (Over			1000	1063		mg/Kg		106	70 - 130	
C10-C28)										
	LCS	LCS								
Surrogate	%Recovery	Qualifier	Limits							
1-Chlorooctane			70 - 130							

70 - 130

Lab Sample ID: LCSD 880-23946/3-A				Clie	nt San	iple ID:	Lab Contro	I Sampl	e Dup
Matrix: Solid							Prep 7	Гуре: То	tal/NA
Analysis Batch: 24090							Prep	Batch:	23946
	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	1000	811.8		mg/Kg		81	70 - 130	8	20
Diesel Range Organics (Over C10-C28)	1000	1007		mg/Kg		101	70 - 130	5	20
LCSD LCSI)								

Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	111		70 - 130
o-Terphenyl	107		70 - 130

Lab Sample ID: 890-2217-A-1-B MS Client Sample ID: Matrix Spike **Matrix: Solid** Prep Type: Total/NA Analysis Batch: 24090 Prep Batch: 23946 Sample Sample Spike MS MS %Rec Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits <49.9 U 999 820.7 82 70 - 130 Gasoline Range Organics mg/Kg (GRO)-C6-C10 564 F1 999 1221 F1 66 70 - 130 Diesel Range Organics (Over mg/Kg C10-C28) MS MS Surrogate %Recovery Qualifier Limits 1-Chlorooctane 92 70 - 130 85 70 - 130 o-Terphenyl

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o-Terphenyl

Lab Sample ID: 890-2217-A-1-C MSD

Matrix: Solid

Analysis Batch: 24090

QC Sample Results

Client: Ensolum Job ID: 890-2219-1 Project/Site: PLU RR 33-25-30 SDG: 03E1558006

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

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 23946

	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	999	868.4		mg/Kg		87	70 - 130	6	20
(GRO)-C6-C10											
Diesel Range Organics (Over	564	F1	999	1236	F1	mg/Kg		67	70 - 130	1	20
C10-C28)											

MSD MSD

Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	94		70 - 130
o-Terphenyl	86		70 - 130

Client Sample ID: Method Blank

Prep Batch: 23947

Matrix: Solid Prep Type: Total/NA

Analysis Batch: 24094

Lab Sample ID: MB 880-23947/1-A

мв мв

мв мв

Analyte Result Qualifier RL Unit D Prepared Analyzed Dil Fac <50.0 U 50.0 04/21/22 14:06 04/23/22 11:38 Gasoline Range Organics mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over <50.0 U 50.0 mg/Kg 04/21/22 14:06 04/23/22 11:38 OII Range Organics (Over C28-C36) <50.0 U 50.0 mg/Kg 04/21/22 14:06 04/23/22 11:38

Surrogate	%Recovery Qualifi	er Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	88	70 - 130	04/21/22 14:06	04/23/22 11:38	1
o-Terphenyl	102	70 - 130	04/21/22 14:06	04/23/22 11:38	1

Lab Sample ID: LCS 880-23947/2-A **Client Sample ID: Lab Control Sample**

Matrix: Solid

Analysis Batch: 24094

Prep Type: Total/NA Prep Batch: 23947 Spike LCS LCS %Rec

							,
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits
Gasoline Range Organics	1000	873.0		mg/Kg		87	70 - 130
(GRO)-C6-C10							
Diesel Range Organics (Over	1000	1038		mg/Kg		104	70 - 130
C10-C28)							

LCS LCS

Surrogate	%Recovery Qualifier	Limits
1-Chlorooctane	108	70 - 130
o-Terphenyl	130	70 - 130

Client Sample ID: Lab Control Sample Dup

Matrix: Solid Prep Type: Total/NA **Analysis Batch: 24094** Prep Batch: 23947

RPD LCSD LCSD Spike %Rec Added Result Qualifier Limit Analyte Unit %Rec Limits Gasoline Range Organics 1000 861.5 mg/Kg 86 70 - 130 20 (GRO)-C6-C10 1000 1042 104 70 - 130 Diesel Range Organics (Over mg/Kg 20 C10-C28)

Lab Sample ID: LCSD 880-23947/3-A

Job ID: 890-2219-1 Client: Ensolum Project/Site: PLU RR 33-25-30

SDG: 03E1558006

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

Lab Sample ID: LCSD 880-23947/3-A **Matrix: Solid**

Analysis Batch: 24094

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA Prep Batch: 23947

LCSD LCSD Surrogate %Recovery Qualifier Limits 1-Chlorooctane 110 70 - 130 o-Terphenyl 132 S1+ 70 - 130

Lab Sample ID: 890-2221-A-1-B MS Client Sample ID: Matrix Spike

Matrix: Solid

Analysis Batch: 24094

Prep Type: Total/NA Prep Batch: 23947

Sample Sample Spike MS MS %Rec Analyte Result Qualifier Added Result Qualifier Unit D %Rec Limits <49.9 U 999 956.1 94 70 - 130Gasoline Range Organics mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over 999 851.5 83 <49.9 U mg/Kg 70 - 130C10-C28)

MS MS %Recovery Surrogate Qualifier Limits 70 - 130 1-Chlorooctane 90 94 70 - 130 o-Terphenyl

Lab Sample ID: 890-2221-A-1-C MSD Client Sample ID: Matrix Spike Duplicate

Matrix: Solid

Analysis Batch: 24094

Prep Type: Total/NA

Prep Batch: 23947

Sample Sample MSD MSD Spike Analyte Result Qualifier hahhA Result Qualifier Unit %Rec Limits RPD Limit D Gasoline Range Organics <49.9 U 999 953.6 mg/Kg 94 70 - 130 0 20 (GRO)-C6-C10 Diesel Range Organics (Over <49.9 U 999 838.8 mg/Kg 82 70 - 130 2 20 C10-C28)

MSD MSD %Recovery Qualifier Surrogate Limits 70 - 130 1-Chlorooctane 88 o-Terphenyl 70 - 130 92

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-23900/1-A Client Sample ID: Method Blank **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 23991

MB MB

Dil Fac Analyte Result Qualifier RL Unit D Prepared Analyzed Chloride <5.00 U 5.00 mg/Kg 04/21/22 18:48

Lab Sample ID: LCS 880-23900/2-A **Client Sample ID: Lab Control Sample Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 23991

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	250	245.8		mg/Kg		98	90 - 110	

QC Sample Results

Client: Ensolum Job ID: 890-2219-1 Project/Site: PLU RR 33-25-30

SDG: 03E1558006

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCSD 880-23900/3-A Client Sample ID: Lab Control Sample Dup **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 23991

	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	250	245.1		mg/Kg		98	90 - 110	0	20

Lab Sample ID: 890-2218-A-6-D MS Client Sample ID: Matrix Spike Matrix: Solid

Prep Type: Soluble

Analysis Batch: 23991

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	57.8	·	248	301.2		mg/Kg		98	90 - 110	

Lab Sample ID: 890-2218-A-6-E MSD Client Sample ID: Matrix Spike Duplicate

Matrix: Solid Prep Type: Soluble

Analysis Batch: 23991

MSD MSD %Rec RPD Sample Sample Spike

Result Qualifier Limit Analyte Added Result Qualifier Unit Limits **RPD** Chloride 57.8 248 313.7 103 90 - 110 mg/Kg

 Client: Ensolum
 Job ID: 890-2219-1

 Project/Site: PLU RR 33-25-30
 SDG: 03E1558006

GC VOA

Analysis Batch: 23884

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2219-1	SS01	Total/NA	Solid	8021B	23938
890-2219-2	SS02	Total/NA	Solid	8021B	23938
MB 880-23912/5-A	Method Blank	Total/NA	Solid	8021B	23912
MB 880-23938/5-A	Method Blank	Total/NA	Solid	8021B	23938
LCS 880-23938/1-A	Lab Control Sample	Total/NA	Solid	8021B	23938
LCSD 880-23938/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	23938
880-13942-A-1-A MS	Matrix Spike	Total/NA	Solid	8021B	23938
880-13942-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	23938

Prep Batch: 23912

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-23912/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 23938

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2219-1	SS01	Total/NA	Solid	5035	
890-2219-2	SS02	Total/NA	Solid	5035	
MB 880-23938/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-23938/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-23938/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-13942-A-1-A MS	Matrix Spike	Total/NA	Solid	5035	
880-13942-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 24050

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2219-1	SS01	Total/NA	Solid	Total BTEX	
890-2219-2	SS02	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 23946

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2219-2	SS02	Total/NA	Solid	8015NM Prep	
MB 880-23946/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-23946/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-23946/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-2217-A-1-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-2217-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Prep Batch: 23947

Lab Sample ID 890-2219-1	Client Sample ID SS01	Prep Type Total/NA	Matrix Solid	Method 8015NM Prep	Prep Batch
MB 880-23947/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-23947/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-23947/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-2221-A-1-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-2221-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 24090

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2219-2	SS02	Total/NA	Solid	8015B NM	23946

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Client: Ensolum Job ID: 890-2219-1 Project/Site: PLU RR 33-25-30 SDG: 03E1558006

GC Semi VOA (Continued)

Analysis Batch: 24090 (Continued)

Lab Sample ID MB 880-23946/1-A	Client Sample ID Method Blank	Prep Type	Matrix	Method 8015B NM	Prep Batch 23946
IVID 000-23940/ I-A	Method Blank	Total/NA	Solid	OU IOD INIVI	23940
LCS 880-23946/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	23946
LCSD 880-23946/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	23946
890-2217-A-1-B MS	Matrix Spike	Total/NA	Solid	8015B NM	23946
890-2217-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	23946

Analysis Batch: 24094

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2219-1	SS01	Total/NA	Solid	8015B NM	23947
MB 880-23947/1-A	Method Blank	Total/NA	Solid	8015B NM	23947
LCS 880-23947/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	23947
LCSD 880-23947/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	23947
890-2221-A-1-B MS	Matrix Spike	Total/NA	Solid	8015B NM	23947
890-2221-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	23947

Analysis Batch: 24132

Client Sample ID	Prep Type	Matrix	Method	Prep Batch
SS01	Total/NA	Solid	8015 NM	
SS02	Total/NA	Solid	8015 NM	
	SS01	SS01 Total/NA	SS01 Total/NA Solid	SS01 Total/NA Solid 8015 NM

HPLC/IC

Leach Batch: 23900

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2219-1	SS01	Soluble	Solid	DI Leach	<u> </u>
890-2219-2	SS02	Soluble	Solid	DI Leach	
MB 880-23900/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-23900/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-23900/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-2218-A-6-D MS	Matrix Spike	Soluble	Solid	DI Leach	
890-2218-A-6-E MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 23991

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2219-1	SS01	Soluble	Solid	300.0	23900
890-2219-2	SS02	Soluble	Solid	300.0	23900
MB 880-23900/1-A	Method Blank	Soluble	Solid	300.0	23900
LCS 880-23900/2-A	Lab Control Sample	Soluble	Solid	300.0	23900
LCSD 880-23900/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	23900
890-2218-A-6-D MS	Matrix Spike	Soluble	Solid	300.0	23900
890-2218-A-6-E MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	23900

Client: Ensolum

Project/Site: PLU RR 33-25-30

Job ID: 890-2219-1 SDG: 03E1558006

Lab Sample ID: 890-2219-1

Matrix: Solid

Matrix: Solid

Client Sample ID: SS01 Date Collected: 04/20/22 10:50 Date Received: 04/20/22 16:22

	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	23938	04/21/22 11:12	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	23884	04/22/22 11:40	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			24050	04/22/22 13:34	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			24132	04/25/22 09:39	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	23947	04/21/22 14:06	DM	XEN MID
Total/NA	Analysis	8015B NM		1			24094	04/23/22 18:59	AJ	XEN MID
Soluble	Leach	DI Leach			5.04 g	50 mL	23900	04/21/22 09:36	CH	XEN MID
Soluble	Analysis	300.0		1			23991	04/21/22 22:37	CH	XEN MID

Client Sample ID: SS02 Lab Sample ID: 890-2219-2

Date Collected: 04/20/22 10:55

Date Received: 04/20/22 16:22

	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	23938	04/21/22 11:12	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	23884	04/22/22 12:07	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			24050	04/22/22 13:34	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			24132	04/25/22 09:39	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	23946	04/21/22 14:00	DM	XEN MID
Total/NA	Analysis	8015B NM		1			24090	04/23/22 20:36	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	23900	04/21/22 09:36	CH	XEN MID
Soluble	Analysis	300.0		1			23991	04/21/22 22:47	CH	XEN MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Ensolum Job ID: 890-2219-1 Project/Site: PLU RR 33-25-30

SDG: 03E1558006

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	NE	ELAP	T104704400-21-22	06-30-22
The following analytes the agency does not of	' '	it the laboratory is not certif	ied by the governing authority. This list ma	ay include analytes fo
Analysis Method	Prep Method	Matrix	Analyte	
8015 NM		Solid	Total TPH	
OO IO INIVI				

Method Summary

Client: Ensolum

Project/Site: PLU RR 33-25-30

Job ID: 890-2219-1 SDG: 03E1558006

Laboratory
XEN MID

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

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

Sample Summary

Client: Ensolum

Project/Site: PLU RR 33-25-30

Job ID: 890-2219-1

SDG: 03E1558006

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Dej
890-2219-1	SS01	Solid	04/20/22 10:50	04/20/22 16:22	0.5
890-2219-2	SS02	Solid	04/20/22 10:55	04/20/22 16:22	0.5

Work Order No:

Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334

Environment Testing

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

Chain of Custody

EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296 Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199 Revised Date: 08/25/2020 Rev. 2020.

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Superfund DI Water: H₂O D.C. NAPP 2204125 212 Level IV HNO 3: HN MeOH: Me NaOH: Na NaOH+Ascorbic Acid: SAPC Sample Comments Preservative Codes Date/Time Zn Acetate+NaOH: Zn 16: 108111001 PST/UST TRRP UST/PST | PRP | Brownfields | RRC | Na 25 203: NaSO 3 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO₂ Na Sr Tl Sn U V Zn Other: NAHSO 4: NABIS Hg: 1631 / 245.1 / 7470 / 7471 H3PO4: HP None: NO 42504: H2 Cool: Cool Page HCL: HC Work Order Comments ADaPT Received by: (Signature) www.xenco.com Reporting: Level II Level III EDD State of Project: Eurofins Xenco. A minimum charge of \$85.00 will be appilled 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. Deliverables: 890-2219 Chain of Custody TCLP/SPLP6010 : 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U votice: 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 Program: ANALYSIS REQUEST Relinquished by: (Signature) Carpbud NM, 88220 7 C) XTO Emergy 1-drion Boxer Kjennings (u) ensolum. com 4.27 3104 Date/Time S Cont # of Pres. Code Parameters Bill to: (if different) Comp Company Name: Grab/ City, State ZIP: 1/2-CD TAT starts the day received by the lab, if received by 4:30pm 24 Mr Yes No 100-Rush 705 W. Walley Arc. Sufe 240 Address: 9. Depth 0.5 0.5 Turn Around Received by: (Signature) Email: Due Date: Routine Corrected Temperature: 1050 1055 Wet Ice: Sampled Temperature Reading: Time Correction Factor: Thermometer ID: Midrand TX FORZOS 04/20ta OHW17 (Yes No PU OR 35-25-30 Sampled Date Kalei Seminas Circle Method(s) and Metal(s) to be analyzed Castro Ensolum LL 817-683- 2503 6351558006 Matrix Yes No AVA Temp Blank: Edda × 200.8 / 6020: Yes Aexis Yes No Relinquished by: (Signature) h Sample Identification samples Received Intact: 5501 5501 Total 200.7 / 6010 Sample Custody Seals: ooler Custody Seals: SAMPLE RECEIPT Project Manager Company Name: Project Number Project Location: Sampler's Name: Fotal Containers: City, State ZIP: Project Name: Address: # Od

Eurofins Carlsbad

Chain of Custody Record

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Cansbad, NM 88220 Phone. 575-988-3199 Fax: 575-988-3199	Sampler		l ab PM	ab PM						er Traci	No.				COC No.	
Client Information (Sub Contract Lab)	or o	and the second s		<u>a</u> ,	Jessica				Сап	Carrier Tracking No(s)	king No	(s)			COC No: 890-716 1	
Shipping/Receiving	Phone			E-Mail Jessica Kramer@et.eurofinsus	amer@e	t.eurofii		com	State	State of Origin New Mexico	8 <u>s</u>				Page: Page 1 of 1	
Company Eurofins Environment Testing South Centr				Accrec NEL	Accreditations Required (See note). NELAP - Texas	quired (S			ŀ		j		l		Job#: 890-2219-1	
1211 W Florida Ave	Due Date Requested 4/22/2022						Ana	alysis F	Requested	ted					Preservation Codes	odes
City Midland	TAT Requested (days)	8)			<u>seeksis le</u>		\dashv					\dashv	一			M - Hexane N None
State, Zip. TX 79701					TPH				''					thereis in the	D Nitric Acid	P Na2O4S Q Na2SO3
Phone: 432-704-5440(TeI)	PO #			Maria de la composição) Full	e								. jpse		תב מזו
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olic	SSOW#			indicate and the second	Self-termed Series	iD/Di_i			·			****		1436 Ash	Other:	
			╣	tered S	D_NM/8									mber		
Comple Identification Office ID (1981)		φ	Type (W=water S=solid, O=waste/oil,	eld Filt	15MOD	0_ORG	21B/503							tal Nu		
	V		Preservation Code:		8		-				1	4		⟨ ⊺	Special	Special Instructions/Note:
SS01 (890-2219-1)	4/20/22	10 50 Mountain	Solid		×	×	×			1	-	+		-)		
SS01 (890-2219-2)	4/20/22	10 55 Mountain	Solid		×	×	×		+			\dashv	1	4		***************************************
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Note Since laboratory accreditations are subject to change Eurofins Environment Testing South Central LLC places the ownership of method analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed the samples must be shipped back to the Eurofins Environment Testing South Central LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins Environment Testing South Central LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins Environment Testing South Central LLC.	nt Testing South Central bove for analysis/tests/n ntral LLC attention imm	LLC places the natrix being anal lediately. If all r	equested accreditation	analyte & a st be shipped is are curren	ccreditation d back to the it to date, re	n compliane Eurofir	nce upor s Enviro signed C	n out subo nment Te hain of Ci	ontract la sting Sou istody at	aborator th Cent esting t	ies Thi ral LLC osaido	s samp laborat omplica	e ship ory or nce to	ment i other i Eurof	is forwarded unde instructions will be ins Environment T	r chain-of-custody If the provided. Any changes esting South Central LL
Possible Hazard Identification Unconfirmed				S	Sample Disposal (A t	le Disposal (A f Return To Client	(Afee	may b	e asse	assessed if san Disposal By Lah	fsam,	oles a	□rere	taine	tee may be assessed if samples are retained longer than 1 month) Archive For Mon	1 month)
Deliverable Requested I II III IV Other (specify)	Primary Deliverable Rank 2	ole Rank 2		Sp	Special Instructions/QC	truction		Requirements	nents	1	100			3		WOININ
Empty Kit Relinquished by		Date		Time:	5	-	>		1	Metho	Method of Shipment:	pment:	.,			
Relinquished by CIRAL 4.21-00	Date/Time		Company				M	`				Date/Time:		\mathbb{Z}	44 L	Company
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Custody Seals Intact: Custody Seal No					Cooler T	Cooler Temperature(s)		°C and Other Remarks	Remark	,	-	-		1		
			***************************************		-											

Login Sample Receipt Checklist

Client: Ensolum

Job Number: 890-2219-1 SDG Number: 03E1558006

Login Number: 2219 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.	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	

Eurofins Carlsbad

Released to Imaging: 5/19/2022 9:20:27 AM

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Login Sample Receipt Checklist

Client: Ensolum Job Number: 890-2219-1

SDG Number: 03E1558006

Login Number: 2219 **List Source: Eurofins Midland** List Number: 2 List Creation: 04/21/22 01:11 PM

Creator: Teel, Brianna

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

Released to Imaging: 5/19/2022 9:20:27 AM

<6mm (1/4").



APPENDIX E

NMOCD Sample Notification

From: <u>Green, Garrett J</u>
To: <u>Kalei Jennings</u>

Subject: FW: XTO Site Activities for the week of April 18th

Date: Wednesday, April 27, 2022 2:48:12 PM

[**EXTERNAL EMAIL**]

From: Baker, Adrian

Sent: Friday, April 15, 2022 8:27 AM

To: ocd.enviro@state.nm.us; Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>; Nobui, Jennifer, EMNRD <Jennifer.Nobui@state.nm.us>; Hensley, Chad, EMNRD <Chad.Hensley@state.nm.us>; Hamlet, Robert, EMNRD <Robert.Hamlet@state.nm.us>

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

<garrett.green@exxonmobil.com>

Subject: XTO Site Activities for the week of April 18th

All,

XTO plans to complete final sampling activities at the following sites the week of April 18, 2022.

Tuesday

- JRU Legg / nAPP2204943884

Wednesday

- PLU RR 33-25-30 / nAPP2204125212
- Los Medanos / nAPP2204835360

Thursday

- Los Medanos / nAPP2204835360

Friday

- Pierce Canyon 32 / nAPP2205254615

Thank you,

Adrian Baker

Environmental Coordinator Permian Business Unit

XTO Energy Inc. 6401 N. Holiday Hill Dr. Midland, Tx 79707 Mobile:(432)-236-3808 adrian.baker@exxonmobil.com

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 102853

CONDITIONS

Operator:	OGRID:		
XTO ENERGY, INC	5380		
6401 Holiday Hill Road	Action Number:		
Midland, TX 79707	102853		
	Action Type:		
	[C-141] Release Corrective Action (C-141)		

CONDITIONS

	Created By	Condition	Condition Date
		We have received your closure report and final C-141 for Incident #NAPP2204125212 PLU ROSS RANCH 33-25-30 TANK BATTERY, thank you. This closure is approved.	5/19/2022