	Page 1 of	60
Incident ID	NAPP2222044186	
District RP		
Facility ID		
Application ID		

Remediation Plan

Remediation Plan Checklist: Each of the following items must b	e included in the plan.
 □ Detailed description of proposed remediation technique □ Scaled sitemap with GPS coordinates showing delineation poin □ Estimated volume of material to be remediated □ Closure criteria is to Table 1 specifications subject to 19.15.29. □ Proposed schedule for remediation (note if remediation plan tin 	12(C)(4) NMAC
<u>Deferral Requests Only</u> : Each of the following items must be con	nfirmed as part of any request for deferral of remediation.
X Contamination must be in areas immediately under or around p deconstruction.	roduction equipment where remediation could cause a major facility
X Extents of contamination must be fully delineated.	
X Contamination does not cause an imminent risk to human healt	n, the environment, or groundwater.
rules and regulations all operators are required to report and/or file which may endanger public health or the environment. The accepta liability should their operations have failed to adequately investigat surface water, human health or the environment. In addition, OCD responsibility for compliance with any other federal, state, or local Printed Name: Garrett Green	e and remediate contamination that pose a threat to groundwater, acceptance of a C-141 report does not relieve the operator of
Signature: Satt Sur	Date: _10/25/2022
email:garrett.green@exxonmobil.com	Telephone: 575-200-0729
OCD Only	
Received by: Robert Hamlet Approved Approved with Attached Conditions of	Date: 3/3/2023 Approval Denied
Signature: Robert Hamlet	Date: 3/3/2023

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	NAPP2222044186
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party XTO Energy				OGRID	5380
Contact Name Garrett Green				Contact To	elephone 575-200-0729
Contact emai	il garrett.gre	en@exxonmobil.c	om	Incident #	(assigned by OCD)
				ew Mexico, 88220	
			Location	of Release S	ource
Latitude 32.2	22565		(NAD 83 in d	Longitude _ lecimal degrees to 5 decin	-103.93051 mal places)
Site Name	PLU Pierce (Canyon 12 Battery	,	Site Type	Tank Battery
Date Release				API# (if app	plicable) Eddy
Unit Letter	Section	Township	Range	Cour	nty
P	12	24S	29E	Edd	ly
			ll that apply and attac	d Volume of l	iustification for the volumes provided below)
x Crude Oil		Volume Release		8.50	Volume Recovered (bbls) 8.50
Produced	Water	Volume Release	ed (bbls)		Volume Recovered (bbls)
			tion of total disso water >10,000 m	olved solids (TDS)	☐ Yes ☐ No
Condensa	ite	Volume Release	ed (bbls)		Volume Recovered (bbls)
☐ Natural G	☐ Natural Gas Volume Released (Mcf)			Volume Recovered (Mcf)	
Other (de	scribe)	Volume/Weight	Released (providence)	de units)	Volume/Weight Recovered (provide units)
Cause of Rele	were re	covered. A 48-110	ur advance imer	inspection notice wa	o release fluids into impermeable containment. All fluids as sent to NMOCD District 2. Liner was inspected and stractor has been retained for remediation purposes.

Received by OCD: 10/25/2022 10:09:48 AM State of New Mexico
Page 2 Oil Conservation Division

	Pugg (5.0p)
Incident ID	NAPP2222044186
District RP	
Facility ID	
Application ID	

Was this a seed in	If VEC for relact nos === (=) 1=== (1-	silila manta agnaidan thia a maign militara
Was this a major release as defined by	If YES, for what reason(s) does the respon	isible party consider this a major release?
19.15.29.7(A) NMAC?	N/A	
19.13.29.7(11) 1411110.		
Yes X No		
ICATEC : 1' 4	di di OCDO Di la O.T. I	0. WI 11 1 4 (1 '1 4)0
· ·	lotice given to the OCD? By whom? To wi	nom? When and by what means (phone, email, etc)?
N/A		
	Initial R	esponse
The responsible	party must undertake the following actions immediate	y 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	the environment.
Released materials ha	ave been contained via the use of berms or o	likes, absorbent pads, or other containment devices.
★ All free liquids and r	ecoverable materials have been removed an	d managed appropriately.
If all the actions describe	d above have <u>not</u> been undertaken, explain	why
	d doove have <u>not</u> been undertaken, explain	wny.
NA		
Per 10 15 20 8 R (4) NIM	AAC the responsible party may commence r	emediation immediately after discovery of a release. If remediation
		efforts have been successfully completed or if the release occurred
		please attach all information needed for closure evaluation.
I hereby certify that the info	armation given above is true and complete to the	best of my knowledge and understand that pursuant to OCD rules and
		fications and perform corrective actions for releases which may endanger
public health or the environ	ment. The acceptance of a C-141 report by the C	OCD does not relieve the operator of liability should their operations have
failed to adequately investig	gate and remediate contamination that pose a three	at to groundwater, surface water, human health or the environment. In responsibility for compliance with any other federal, state, or local laws
and/or regulations.	of a C-141 report does not refleve the operator of	responsibility for compliance with any other federal, state, or local laws
Garrett G	reen	SSHE Coordinator
Printed Name:	e e e e e e e e e e e e e e e e e e e	Title: SSHE Coordinator
Signature:	att Sun	Date:
-	vonmobil com	
email: garrett.green@ex	AOIIIIIOUII.CUIII	Telephone: 575-200-0729
OCD Only		
Received by:Jocelyn	Harimon	Date: 08/08/2022
Teccived by.		

Location:	PLU Pierce Canyon 12 Battery		
Spill Date:	7/27/2022		
	Area 1		
Approximate A	rea =	47.72	cu.ft.
	VOLUME OF LEAK		
Total Crude Oil	=	8.50	bbls
Total Produced Water = 0.0		0.00	bbls
	TOTAL VOLUME OF LEAK		
Total Crude Oil	=	8.50	bbls
Total Produced	Water =	0.00	bbls
	TOTAL VOLUME RECOVERED		
Total Crude Oil	=	8.50	bbls
Total Produced	Total Produced Water = 0.00 b		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 132145

CONDITIONS

Operator:	OGRID:
XTO ENERGY, INC	5380
6401 Holiday Hill Road	Action Number:
Midland, TX 79707	132145
	Action Type:
	[C-141] Release Corrective Action (C-141)

CONDITIONS

Created By		Condition Date
jharimon	None	8/8/2022

Incident ID	NAPP2222044186
District RP	
Facility ID	
Application ID	

Page 6 of 60

Site Assessment/Characterization

This information must be provided to the appropriate district office no taler than 90 days after the release discovery date.		
What is the shallowest depth to groundwater beneath the area affected by the release?	> 100 (ft bgs)	
Did this release impact groundwater or surface water?	☐ Yes ⊠ No	
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ⊠ No	
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	☐ Yes ⊠ No	
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ⊠ No	
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes ⊠ No	
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ⊠ No	
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ⊠ No	
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ⊠ No	
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ⊠ No	
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ 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.		

Characterization Report Checklist: Each of the following items must be included in the report.
<u> </u>
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
Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
Boring or excavation logs
Photographs including date and GIS information
☐ Topographic/Aerial maps
☐ Laboratory data including chain of custody

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

Received by OCD: 10/25/2022 10:09:48 AM State of New Mexico
Page 4 Oil Conservation Division

Incident ID NAPP2222044186

District RP
Facility ID
Application ID

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

Printed Name: _Garrett Green ______ Title: _Environmental Coordinator ______ Date: ______10/25/2022 _____ email: _garrett.green@exxonmobil.com _____ Telephone: _______575-200-0729 ______

OCD Only

Received by: _____ Jocelyn Harimon ______ Date: ______10/25/2022 ______

	Page 8 of 6	60
Incident ID	NAPP2222044186	
District RP		
Facility ID		
Application ID		

Remediation Plan

Remediation Plan Checklist: Each of the following items must be included in the plan.									
Detailed description of proposed remediation technique Scaled sitemap with GPS coordinates showing delineation points Estimated volume of material to be remediated Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)									
Deferral Requests Only: Each of the following items must be con-	firmed as part of any request for deferral of remediation.								
X Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.									
X Extents of contamination must be fully delineated.									
X Contamination does not cause an imminent risk to human health	the environment, or groundwater.								
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.									
Printed Name: Garrett Green	Title: Environmental Coordinator								
Signature:	Date: _10/25/2022								
email:garrett.green@exxonmobil.com	Telephone:575-200-0729								
OCD Only									
Received by:	Date:								
Approved Approved with Attached Conditions of A	Approval								
Signature:	Date:								



October 20, 2022

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

Re: Deferral Request

PLU Pierce Canyon 12 Battery Incident Number NAPP2222044186 Eddy County, New Mexico

To Whom It May Concern:

Ensolum, LLC (Ensolum), on behalf of XTO Energy, Inc. (XTO), has prepared this *Deferral Request* to document site assessment and soil sampling activities at the PLU Pierce Canyon 12 Battery (Site). The purpose of the site assessment and soil sampling activities was to assess for the presence or absence of impacts to soil following a release of crude oil within a lined containment at the Site. Based on field observations, field screening activities, and soil sample laboratory analytical results, XTO is submitting this Deferral Request for Incident Number NAPP2222044186.

SITE DESCRIPTION AND RELEASE SUMMARY

The Site is located in Unit P, Section 12, Township 24 South, Range 29 East, in Eddy County, New Mexico (32.22565° N, 103.93051°W) and is associated with oil and gas exploration and production operations on Federal Land managed by the Bureau of Land Management (BLM).

On July 27, 2022, internal corrosion of an oil dump line resulted in the release of approximately 8.50 barrels (bbls) of crude oil into the lined containment. A vacuum truck was immediately dispatched to the Site to recover free-standing fluids; all 8.50 bbls of released crude oil were recovered from within the lined containment. A 48-hour advance notice of liner inspection was provided via email on August 1, 2022, to the New Mexico Oil Conservation Division (NMOCD) District II office. A liner integrity inspection was conducted by XTO personnel following fluid recovery. Upon inspection, the liner was determined to be insufficient. XTO reported the release to the NMOCD via email and submitted a Release Notification Form C-141 (Form C-141) on August 8, 2022. The release was assigned Incident Number NAPP2222044186.

SITE CHARACTERIZATION AND CLOSURE CRITERIA

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

Depth to groundwater at the Site is estimated to be greater than 100 feet below ground surface (bgs) based on the nearest groundwater well data. The closest permitted groundwater well with depth to

Ensolum, LLC | Environmental, Engineering & Hydrogeologic Consultants 3122 National Park Highway | Carlsbad, NM 88220 | ensolum.com

XTO Energy, Inc Deferral Request PLU Pierce Canyon 12 Battery



groundwater data is USGS well 321321103544101, located approximately 1.11 miles east of the Site. The groundwater well has a reported depth to groundwater of 168 feet bgs. The total depth of the well has not been recorded. Ground surface elevation at the groundwater well location is 3,192 feet above mean sea level (amsl), which is approximately 58 feet higher in elevation than the Site. All wells used to determine depth to groundwater are depicted on Figure 1. The Well Record and Log is included in Appendix A.

The closest continuously flowing or significant watercourse to the Site is a seasonal dry wash, located approximately 304 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 from a freshwater well or spring and is not within a 100-year floodplain or overlying a subsurface mine. The Site is not underlain by unstable geology (low potential karst designation area). Potential site receptors are identified on Figure 1.

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

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

SITE ASSESSMENT ACTIVITIES

On August 31, 2022, site assessment activities were conducted to evaluate the release extent based on information provided on the Form C-141, liner inspection results, and visual observations. Ensolum personnel advanced one borehole (BH01) via hand auger at the location of the tear in the liner. Two discrete delineation soil samples (BH01/BH01A) were collected from the borehole at depths of approximately 0.5 feet and 1-foot bgs. The delineation soil samples were field screened for volatile organic compounds (VOCs) utilizing a calibrated photoionization detector (PID) and chloride using Hach® chloride QuanTab® test strips. Field screening results and observations from the borehole were documented on lithologic/soil sampling logs, which are included in Appendix B. The borehole BH01 was backfilled with the soil removed and XTO repaired the tear in the liner. Four additional assessment soil samples (SS01 through SS04) were collected around the lined containment at a depth of 0.5 feet bgs to confirm the lateral extent of the release. The release extent/containment and soil sample locations were mapped utilizing a handheld Global Positioning System (GPS) unit and are depicted on Figure 2. Photographic documentation 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 procedures to Eurofins Laboratories (Eurofins) in Carlsbad, New Mexico, for analysis of the following chemicals of concern (COCs): BTEX following United States Environmental Protection Agency (EPA) Method 8021B; TPH-GRO, TPH-DRO, and TPH-oil range organics (ORO) following EPA Method 8015M/D; and chloride following EPA Method 300.0.

XTO Energy, Inc. Deferral Request PLU Pierce Canyon 12 Battery



LABORATORY ANALYTICAL RESULTS

Laboratory analytical results for the delineation soil sample BH01 at 0.5 feet bgs indicated that GRO plus DRO concentrations exceeded the Closure Criteria. Laboratory analytical results for delineation soil sample BH01A collected at 1-foot bgs and lateral delineation soil samples SS01 through SS04 indicated COCs concentrations were compliant with the Site Closure Criteria and the most stringent Table 1 Closure Criteria. Laboratory analytical results are summarized in Table 1 and the complete laboratory analytical reports are included in Appendix D.

DEFERRAL REQUEST

XTO is requesting deferral of final remediation due to the presence of active production equipment and surface pipelines within the lined containment preventing the removal of impacted soil. The impacted soil is limited to the area immediately beneath the lined containment, where remediation would require a major facility deconstruction. The impacted soil remaining in place is delineated vertically by delineation soil sample BH01A collected at 1-foot bgs, and laterally delineated by delineation soil samples SS01 through SS04. A maximum of 40 cubic yards of TPH-impacted soil remains in place beneath the liner assuming a maximum 1-foot depth based on the delineation soil samples listed above, that were compliant with the Closure Criteria.

XTO does not believe deferment will result in imminent risk to human health, the environment, or groundwater. Depth to groundwater was determined to be greater than 100 feet bgs, the release was contained laterally by the lined containment, and the impacted soil remaining in place is limited to the area immediately beneath the liner. The liner has been repaired by XTO and will limit future vertical migration of residual impacts.

Based on the presence of active production equipment within the release area and the complete lateral and vertical delineation of impacted soil remaining in place, XTO requests deferral of final remediation for Incident Number NAPP2222044186 until final reclamation of the well pad or major construction. whichever comes first.

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

Sincerely, Ensolum, LLC

Anita Thapalia, P.G. **Project Geologist**

Ashley L. Ager, P.G.

Program Director

Garrett Green, XTO CC:

Shelby Pennington, XTO

Bureau of Land Management

XTO Energy, Inc Deferral Request PLU Pierce Canyon 12 Battery



Appendices:

Figure 1 Site Receptor Map

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

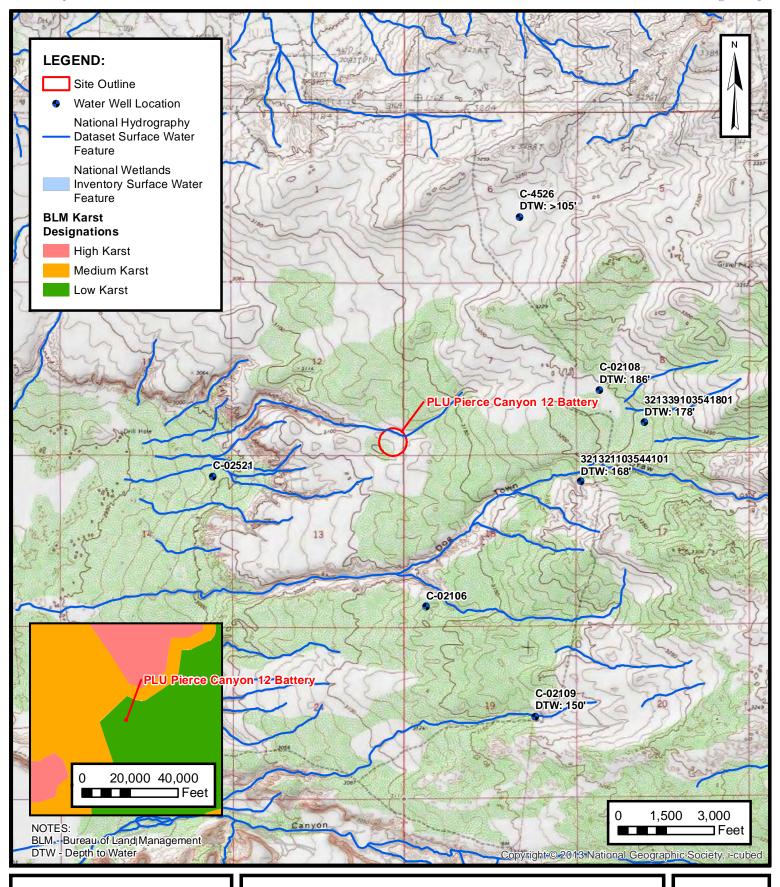
Appendix C Photographic Log

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

Appendix E NMOCD Notifications



FIGURES



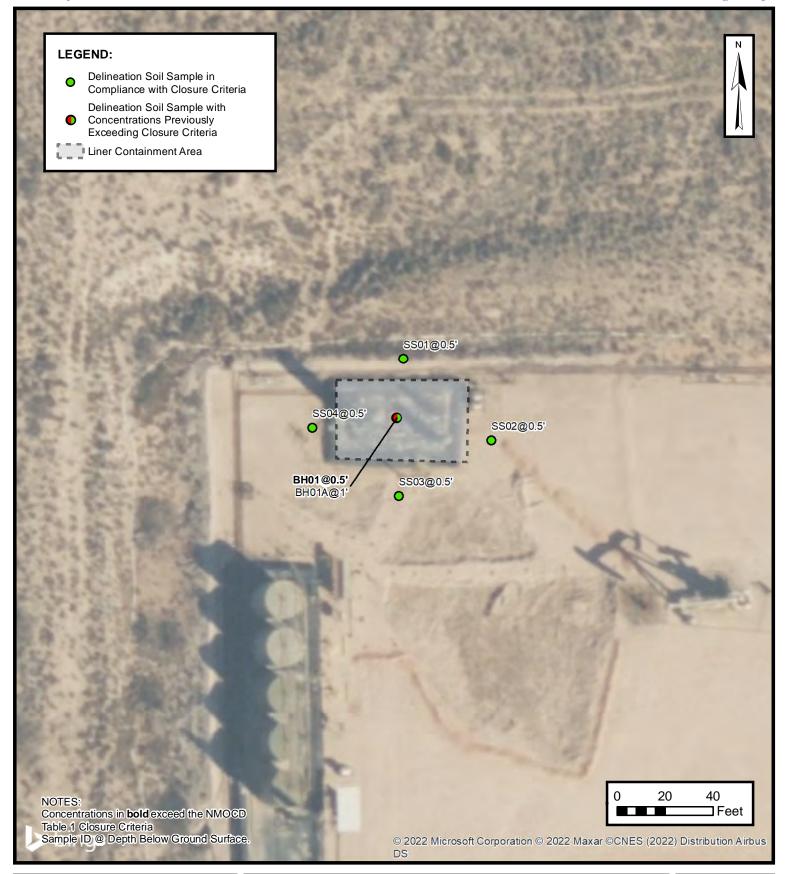


SITE RECEPTOR MAP

XTO ENERGY, INC
PLU PIERCE CANYON 12 BATTERY
NAPP2222044186
Unit P. Sec 12, T24S, R29F

Unit P, Sec 12, T24S, R29E Eddy County, New Mexico FIGURE

1





PRELIMINARY SOIL SAMPLE LOCATIONS

XTO ENERGY, INC PLU PIERCE CANYON 12 BATTERY NAPP2222044186

Unit G, Sec 6, T24S, R30E Eddy County, New Mexico **FIGURE**

2



TABLES



TABLE I SOIL SAMPLE ANALYTICAL RESULTS **PLU Pierce Canyon 12 Battery** XTO Energy, Inc **Eddy County, New Mexico**

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)	
NMOCD Table I Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	1,000	2,500	20,000	
	Delineation Soil Samples										
BH01	08/31/2022	0.5	<0.00199	<0.00398	<50.0	1,020	<50.0	1,020	1,020	17.7	
BH01A	08/31/2022	1	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	<49.9	25.1	
SS01	08/31/2022	0.5	<0.00200	< 0.00399	<49.9	<49.9	<49.9	<49.9	<49.9	209	
SS02	08/31/2022	0.5	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	<49.9	20.2	
SS03	08/31/2022	0.5	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	46.9	
SS04	08/31/2022	0.5	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	<49.9	33.7	

Notes:

bgs: below ground surface mg/kg: milligrams per kilogram

NMOCD: New Mexico Oil Conservation Division BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

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

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

NMAC: New Mexico Administrative Code

Ensolum 1 of 1



APPENDIX A

Referenced Well Records



USGS Home **Contact USGS** Search USGS

National Water Information System: Web Interface

USGS Water Resources

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

Click to hideNews Bulletins

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

Groundwater levels for the Nation

Important: Next Generation Monitoring Location Page

Search Results -- 1 sites found

Agency code = usgs site_no list =

• 321321103544101

Minimum number of levels = 1

Save file of selected sites to local disk for future upload

USGS 321321103544101 24S.30E.18.22144

Eddy County, New Mexico Latitude 32°13'21", Longitude 103°54'41" NAD27 Land-surface elevation 3,192 feet above NAVD88

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

Output formats

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

Date	Time	? Water- level date- time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source measu
1983-02-01		D	62610		3022.15	NGVD29	1	Z		
1983-02-01		D	62611		3023.80	NAVD88	1	Z		
1983-02-01		D	72019	168.20			1	Z		
1987-10-15		D	62610		3021.73	NGVD29	1	S		
1987-10-15		D	62611		3023.38	NAVD88	1	S		
1987-10-15		D	72019	168.62			1	S		
1992-11-04		D	62610		3022.03	NGVD29	1	S		
1992-11-04		D	62611		3023.68	NAVD88	1	S		
1992-11-04		D	72019	168.32			1	S		
1998-01-27		D	62610		3022.27	NGVD29	1	S		
1998-01-27		D	62611		3023.92	NAVD88	1	S		
1998-01-27		D	72019	168.08			1	S		

Ex	plar	ıatior

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day

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

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

Accessibility Privacy FOIA Policies and Notices

U.S. Department of the Interior | U.S. Geological Survey
Title: Groundwater for USA: Water Levels URL: https://nwis.waterdata.usgs.gov/nwis/gwlevels?

Page Contact Information: <u>USGS Water Data Support Team</u> Page Last Modified: 2022-10-13 10:41:04 EDT

0.28 0.25 nadww01





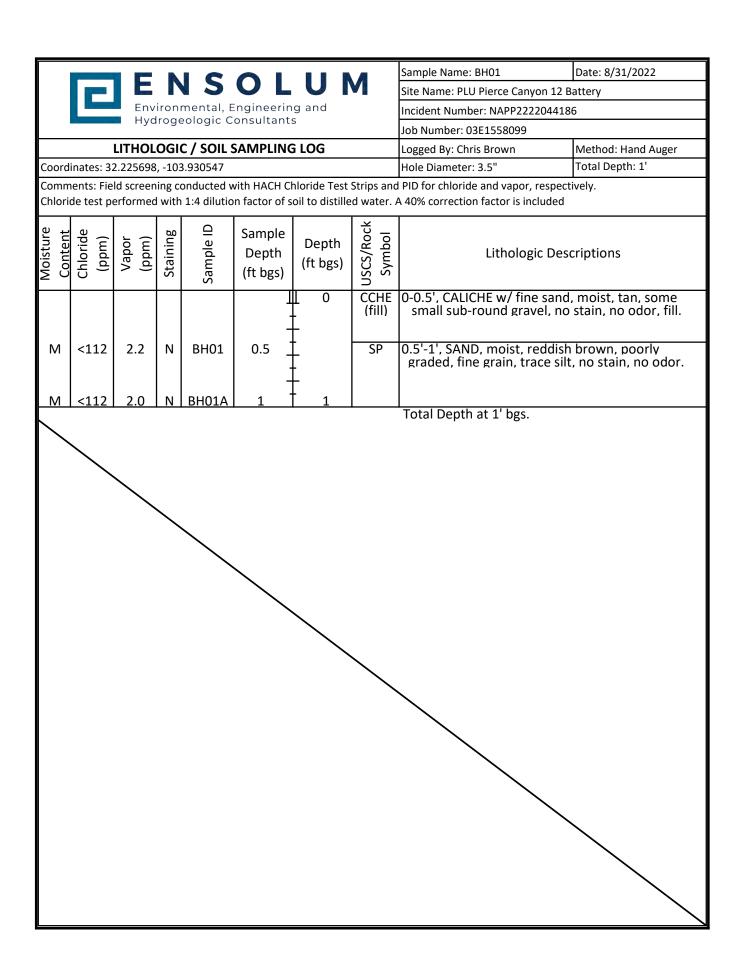
NO	OSE POD NO. POD1 (MV		.)	1	WELL TAG ID NO. n/a			OSE FILE NO(S).			
OCATI	WELL OWNER							PHONE (OPTIONAL)				
GENERAL AND WELL LOCATION	well owner mailing address 6401 Holiday Hill Dr.						CITY Midland		STATE TX	79707	ZIP	
P S	WELL		DE	GREES	MINUTES	SECON						
AL.	LOCATION	147	TITUDE	32°	14'	42.1	N]	REQUIRED: ONE TENT	TH OF A	SECOND	
NER	(FROM GPS	LO	NGITUDE	103°	55'	6.20		L	QUIRED: WGS 84		· · · · · · · · · · · · · · · · · · ·	
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS – PLSS (SECTION, TOWNSHIIP, RANGE) WHERE AVAILATING NW NE Sec. 06 T24S R30E									AILABLE			
	LICENSE NO.		NAME OF LICENSED	DRILLER		* * /			NAME OF WELL DRI	LLING C	COMPANY	
	1249	9		Ja	ckie D. Atkins	ı			Atkins Eng	ineering	g Associates, I	nc.
	DRILLING ST. 05/14/2		DRILLING ENDED 05/14/2021		PLETED WELL (FI Try well materia			LE DEPTH (FT) 105	DEPTH WATER FIRS	T ENCO n/a	٠,	
z	COMPLETED	WELL IS:	ARTESIAN	DRY HOLE	SHALLO	W (UNCO	NFINED)		STATIC WATER LEV	EL IN Co		LL (FT)
TIO	DRILLING FL	U ID :	✓ AIR	MUD ADDITIVES – SPECIFY:								
CASING INFORMATION	DRILLING ME	ETHOD:	ROTARY	HAMMER	CABLE T	COOL	✓ OTHE	R – SPECIFY:	Hollow Stem Auger			
N. O.	DEPTH (feet bgl) BORE HOL		BORE HOLE	CASING N	ATERIAL AND	O/OR		ASING	CASING	CAS	CASING WALL	
I Su	FROM TO		DIAM	GRADE (include each casing string, and			CONNECTION		INSIDE DIAM.	TH	ICKNESS	SLOT
CASI			(inches)	note se	ections of screen)			TYPE ling diameter)	(inches)		(inches)	(inches)
8	0	105	±6.5	F	Boring- HSA				-			-
DRILLING &												
) KIL												
2.1												
										<u> </u>		
	DEPTH (feet bgl)	BORE HOLE	LIS	T ANNULAR SI	EAL MA	TERIAL A	AND	AMOUNT		метно	D OF
Ĭ¥.	FROM	то	DIAM. (inches)	GRAV	EL PACK SIZE	-RANGE	BY INTE	RVAL	(cubic feet)		PLACEN	MENT
ANNULAR MATERIAL												
MA				<u> </u>								
LAR												
Z								<u> </u>				
3. A												
	OSE INTERN								0 WELL RECORD	<u>& LOG</u>	(Version 06/3	0/17)
	ENO.	<u>' - 4</u>	<u>524</u>	10 30	POD NO			TRN	(2 C	210	9	1.07.1
LOC	CATION 🗁	ומיג	\sim	45. 50	F.6.41	Ч		WELL TAG II	D NO.	100	PAGE	ન;OF 2

	DEPTH (eet bgl)		COLOR ANI	D TYPE OF MATERIA	L ENC	COUNTERE) -	WA	TER	ESTIMATED YIELD FOR
	FROM	то	THICKNESS (feet)		R-BEARING CAVITIE plemental sheets to full				BEAF	UNG? /NO)	WATER- BEARING ZONES (gpm)
	0	4	4	SAND, poorly	graded, fine-very grain	ed. Re	ddish-brown.	dry	Y	√ N	ZONES (gpin)
<u> </u>	4	12	8		poorly-mod. consolidate				Y	√ N	
Ì	12	19	7		led, fine-very grained, s	-			Y	√N	
	19	24	5	SAND, poorly graded,	fine-very grained, some	calich	e gravel, Ligh	t- Brown,	dry Y	√N	
}	24	72	48		graded, fine-very graine		-		Y	√ N	
ا ر	72	92	20		d, fine-very grained, son				Y	√ N	
4. HYDROGEOLOGIC LOG OF WELL	92	102	10		rly graded, fine-very gra				Y	√ N	
OF V	102	105	3		orly graded, fine-very g				Y	√N	
ဗ္ဗ				,	, &, &				Y	N	
CL					1. C.				Y	N	
OG									Y	N	
EOL									- Y	N	
00									Y	N	
X N				<u> </u>					Y	N	
4. H									Y	N	
									Y	N	
									Y	N	
			<u> </u>	<u> </u>			,,		Y	N	
		<u>-</u>	<u> </u>				**		Y		
	-									N	
									Y	N	
								1_	Y	N	
	METHOD U		TIMATE YIELD	OF WATER-BEARING BAILER OT	G STRATA: HER – SPECIFY:				OTAL ESTII VELL YIELI		0.00
7	WELL TES			ACH A COPY OF DAT							
VISION											
TEST; RIG SUPERVI	MISCELLA	NEOUS INF	te	emporary well materia et below ground surfa ogs adapted from WSI	ce, then hydrated ben	oil bor tonite	ring backfill chips from	ed using o ten feet b	drill cutting elow groun	s from tot d surface	al depth to ten to surface.
, R											
TEST	PRINT NAM	Æ(S) OF D	RILL RIG SUPER	RVISOR(S) THAT PRO	VIDED ONSITE SUPE	RVISI	ON OF WEL	L CONST	RUCTION O	THER TH	AN LICENSEE:
5. 1			elo Trevino, Car								
TURE	CORRECT	RECORD O	F THE ABOVE I	FIES THAT, TO THE B DESCRIBED HOLE AN BO DAYS AFTER COM	D THAT HE OR SHE	WILL:	FILE THIS V				
6. SIGNATURE	Jack A	tkins		Jac	ckie D. Atkins				06/0	9/2021	
Ľ		SIGNAT	URE OF DRILLE	ER / PRINT SIGNEE I	NAME					DATE	
FO	R OSE INTER	NAL LISE					WR-	20 WELL	RECORD &	LOG (Ver	sion 06/30/2017)
	E NO.	/	4526		POD NO.	1	TRN		1921	09	
LO	CATION		, , , , , ,		.,	Ť۱	WELL TAG	D NO.			PAGE 2 OF 2



APPENDIX B

Lithologic Soil Sampling Logs





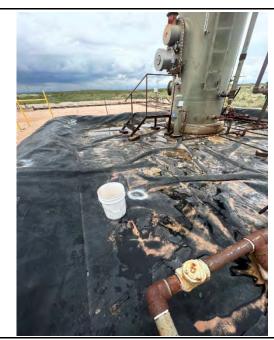
APPENDIX C

Photographic Log



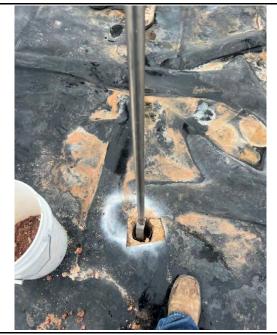
Photographic Log
XTO Energy, Inc
PLU Pierce Canyon 12 Battery
Incident Number: NAPP2222044186





Photograph 1 Date: 8/31/2022 Photograph 2 Date: 8/31/2022

Description: Liner containment area Description: Liner containment area



Photograph 3 Date: 8/31/2022 Photograph 4 Date: 8/31/2022

Description: Delineation activities: BH01 Description: Liner patch: BH01



APPENDIX D

Laboratory Analytical Reports & Chain of Custody Documentation





ANALYTICAL REPORT

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

Laboratory Job ID: 890-2873-1

Laboratory Sample Delivery Group: 03E1558094 Client Project/Site: PLU PIERCE CANYON 12

Revision: 1

For:

eurofins 🔆

Ensolum 705 W. Wadley Suite 210 Midland, Texas 79701

Attn: Ben Belill

RAMPR

Authorized for release by: 9/29/2022 12:12:18 PM

Jessica Kramer, Project Manager (432)704-5440

Jessica.Kramer@et.eurofinsus.com

Have a Question?

EOL

.....LINKS

Review your project results through

Received by OCD: 10/25/2022 10:09:48 AM

Visit us at:

www.eurofinsus.com/Env Released to Imaging: 3/3/2023 8:53:40 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

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

Laboratory Job ID: 890-2873-1 Client: Ensolum Project/Site: PLU PIERCE CANYON 12 SDG: 03E1558094

Table of Contents

Cover Page	1
Table of Contents	2
Definitions/Glossary	3
Case Narrative	4
Client Sample Results	5
Surrogate Summary	10
QC Sample Results	11
QC Association Summary	18
Lab Chronicle	21
Certification Summary	23
Method Summary	24
Sample Summary	25
Chain of Custody	26
Receipt Checklists	27

Definitions/Glossary

Client: Ensolum Job ID: 890-2873-1 Project/Site: PLU PIERCE CANYON 12

SDG: 03E1558094

Qualifiers

GC VOA

Qualifier **Qualifier Description** Surrogate recovery exceeds control limits, low biased. S1-

U 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, low biased. 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 Colony Forming Unit **CFU** Contains No Free Liquid CNF

DER Duplicate Error Ratio (normalized absolute difference)

Dil Fac **Dilution Factor**

DL Detection Limit (DoD/DOE)

DL, RA, RE, IN Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample

DLC Decision Level Concentration (Radiochemistry)

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

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

MDL Method Detection Limit MI Minimum Level (Dioxin) MPN Most Probable Number Method Quantitation Limit MQL

NC Not Calculated

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

NEG Negative / Absent POS Positive / Present

Practical Quantitation Limit PQL

PRES Presumptive QC **Quality Control**

RER Relative Error Ratio (Radiochemistry)

RL Reporting Limit or Requested Limit (Radiochemistry)

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

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

Too Numerous To Count **TNTC**

Eurofins Carlsbad

Case Narrative

Client: Ensolum

Project/Site: PLU PIERCE CANYON 12

Job ID: 890-2873-1

SDG: 03E1558094

Job ID: 890-2873-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative 890-2873-1

REVISION

The report being provided is a revision of the original report sent on 9/12/2022. The report (revision 1) is being revised due to Per client email BH01 and BH01A are switched, revised report needed.

Report revision history

Receipt

The samples were received on 9/1/2022 9:21 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.4°C

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

GC Semi VOA

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (LCS 880-33652/2-A) and (LCSD 880-33652/3-A). Evidence of matrix interferences is not obvious.

Method 8015MOD NM: Surrogate recovery for the following samples were outside control limits: (LCS 880-33646/2-A) and (LCSD 880-33646/3-A). Evidence of matrix interferences is not obvious.

Method 8015MOD NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-33646 and analytical batch 880-33680 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 was outside acceptance limits for the following matrix spike/matrix spike duplicate (MS/MSD) samples: (890-2933-A-1-B MS) and (890-2933-A-1-C MSD). The parent sample's surrogate recovery was within limits. The MS/MSD sample has been qualified and reported.

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-34416 and analytical batch 880-34433 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.

Matrix: Solid

Lab Sample ID: 890-2873-1

Client: Ensolum

Job ID: 890-2873-1

Project/Site: PLLI PIERCE CANYON 12

SDG: 03E1558094

Project/Site: PLU PIERCE CANYON 12 SDG: 03E1558094

Client Sample ID: BH01A
Date Collected: 08/31/22 12:00

Date Received: 09/01/22 09:21

Sample Depth: 1

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		09/09/22 12:42	09/10/22 18:35	1
Toluene	<0.00201	U	0.00201	mg/Kg		09/09/22 12:42	09/10/22 18:35	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		09/09/22 12:42	09/10/22 18:35	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	mg/Kg		09/09/22 12:42	09/10/22 18:35	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		09/09/22 12:42	09/10/22 18:35	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		09/09/22 12:42	09/10/22 18:35	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	84		70 - 130			09/09/22 12:42	09/10/22 18:35	1
4.4.D:(0	83		70 - 130			09/09/22 12:42	00/40/00 49:25	1
1,4-Difluorobenzene (Surr)	63		70 - 130			09/09/22 12.42	09/10/22 18:35	1
-		tion.	70 - 130			09/09/22 12.42	09/10/22 16.35	1
1,4-Diffuorobenzene (Surr) Method: Total BTEX - Total Analyte	BTEX Calcula	tion Qualifier	70 - 130 RL	Unit	D	Prepared	Analyzed	Dil Fac
Method: Total BTEX - Total	BTEX Calcula	Qualifier		Unit mg/Kg	<u>D</u>			·
Method: Total BTEX - Total Analyte	BTEX Calcula Result <0.00402	Qualifier U	RL 0.00402		<u>D</u>		Analyzed	·
Method: Total BTEX - Total Analyte Total BTEX	BTEX Calcula Result <0.00402 Range Organic	Qualifier U	RL 0.00402		<u>D</u>		Analyzed	·
Method: Total BTEX - Total Analyte Total BTEX Method: 8015 NM - Diesel I	BTEX Calcula Result <0.00402 Range Organic	Qualifier U s (DRO) (Qualifier	RL 0.00402	mg/Kg	=	Prepared	Analyzed 09/12/22 10:05	Dil Fac
Method: Total BTEX - Total Analyte Total BTEX Method: 8015 NM - Diesel I Analyte	Range Organic Result 49.9	Qualifier U S (DRO) (O Qualifier U	RL 0.00402 GC) RL 49.9	mg/Kg	=	Prepared	Analyzed 09/12/22 10:05	Dil Fac
Method: Total BTEX - Total Analyte Total BTEX Method: 8015 NM - Diesel I Analyte Total TPH	Range Organic Result 49.9 I Range Organic	Qualifier U S (DRO) (O Qualifier U	RL 0.00402 GC) RL 49.9	mg/Kg	=	Prepared	Analyzed 09/12/22 10:05	Dil Fac

Diesel Range Organics (Over	<49.9	U	49.9	mg/Kg	09/02/22 11:29	09/04/22 04:36	1
C10-C28)							
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg	09/02/22 11:29	09/04/22 04:36	1
,				0 0			
Surrogate	%Recovery	Qualifier	Limits		Prepared	Analyzed	Dil Fac
1-Chlorooctane	106		70 - 130		09/02/22 11:29	09/04/22 04:36	1
o-Terphenvl	107		70 - 130		00/00/00 44 00	09/04/22 04:36	

Method: 300.0 - Anions, Ion Chromatography - Soluble							
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	25.1	5.00	mg/Kg			09/09/22 08:39	1

Client Sample ID: BH01

Date Collected: 08/31/22 12:15

Lab Sample ID: 890-2873-2

Matrix: Solid

Date Received: 09/01/22 09:21

Sample Depth: .5

(GRO)-C6-C10

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		09/09/22 12:42	09/10/22 19:01	1
Toluene	<0.00199	U	0.00199	mg/Kg		09/09/22 12:42	09/10/22 19:01	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		09/09/22 12:42	09/10/22 19:01	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		09/09/22 12:42	09/10/22 19:01	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		09/09/22 12:42	09/10/22 19:01	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		09/09/22 12:42	09/10/22 19:01	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130			09/09/22 12:42	09/10/22 19:01	1

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/20/2022 (Pay 1

Job ID: 890-2873-1

Client: Ensolum Project/Site: PLU PIERCE CANYON 12 SDG: 03E1558094

Client Sample ID: BH01 Lab Sample ID: 890-2873-2

Date Collected: 08/31/22 12:15 **Matrix: Solid** Date Received: 09/01/22 09:21

Sample Depth: .5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	95		70 - 130	09/09/22 12:42 0	9/10/22 19:01	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			09/12/22 10:05	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	1020		50.0	mg/Kg			09/06/22 12:59	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		09/02/22 11:29	09/04/22 04:57	1
Diesel Range Organics (Over C10-C28)	1020		50.0	mg/Kg		09/02/22 11:29	09/04/22 04:57	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		09/02/22 11:29	09/04/22 04:57	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	L
1-Chlorooctane	113		70 - 130	09/02/22 11:29	09/04/22 04:57	
o-Terphenyl	106		70 - 130	09/02/22 11:29	09/04/22 04:57	

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result Quali	ifier RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	17.7	5.02	mg/Kg			09/09/22 08:43	1

Lab Sample ID: 890-2873-3 Client Sample ID: SS01 Matrix: Solid

Date Collected: 08/31/22 13:00 Date Received: 09/01/22 09:21

Sample Depth: .5

Mothod: 9021B	Volatile	Organic	Compounds	(CC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		09/09/22 12:42	09/10/22 19:28	1
Toluene	<0.00200	U	0.00200	mg/Kg		09/09/22 12:42	09/10/22 19:28	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		09/09/22 12:42	09/10/22 19:28	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		09/09/22 12:42	09/10/22 19:28	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		09/09/22 12:42	09/10/22 19:28	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		09/09/22 12:42	09/10/22 19:28	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		70 - 130			09/09/22 12:42	09/10/22 19:28	1
1,4-Difluorobenzene (Surr)	92		70 - 130			09/09/22 12:42	09/10/22 19:28	1

lothod:	Total	DTEV	Total	DTEV	Calculation	n

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	< 0.00399	U	0.00399	mg/Kg			09/12/22 10:05	1

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

Analyte	Result Qualif	fier RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9 U	49.9	mg/Kg			09/06/22 12:59	1

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Client: Ensolum Job ID: 890-2873-1 Project/Site: PLU PIERCE CANYON 12 SDG: 03E1558094

Client Sample ID: SS01 Lab Sample ID: 890-2873-3

Date Collected: 08/31/22 13:00 **Matrix: Solid** Date Received: 09/01/22 09:21

Sample Depth: .5

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		09/02/22 11:29	09/04/22 05:18	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		09/02/22 11:29	09/04/22 05:18	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		09/02/22 11:29	09/04/22 05:18	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	118		70 - 130			09/02/22 11:29	09/04/22 05:18	1
o-Terphenyl	116		70 - 130			09/02/22 11:29	09/04/22 05:18	1
Method: 300.0 - Anions, Ion C	hromatogra	phy - Solu	ıble					
Analyte	_	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac

4.95 09/09/22 08:48 Chloride mg/Kg 209 Client Sample ID: SS02 Lab Sample ID: 890-2873-4

Date Collected: 08/31/22 13:10

Date Received: 09/01/22 09:21

Sample Depth: .5

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		09/09/22 12:42	09/10/22 19:54	1
Toluene	< 0.00199	U	0.00199	mg/Kg		09/09/22 12:42	09/10/22 19:54	1
Ethylbenzene	< 0.00199	U	0.00199	mg/Kg		09/09/22 12:42	09/10/22 19:54	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		09/09/22 12:42	09/10/22 19:54	1
o-Xylene	< 0.00199	U	0.00199	mg/Kg		09/09/22 12:42	09/10/22 19:54	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		09/09/22 12:42	09/10/22 19:54	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130			09/09/22 12:42	09/10/22 19:54	1
1,4-Difluorobenzene (Surr)	108		70 - 130			09/09/22 12:42	09/10/22 19:54	1
Method: Total BTEX - Total B	TEX Calcula	tion						
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			09/12/22 10:05	1
Method: 8015 NM - Diesel Rar	nge Organic	s (DRO) (0	GC)					
Analyte	•	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			09/06/22 12:59	1
Method: 8015B NM - Diesel Ra	ange Organ	ics (DRO)	(GC)					
Analyte	_	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		09/02/22 13:37	09/03/22 02:03	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		09/02/22 13:37	09/03/22 02:03	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		09/02/22 13:37	09/03/22 02:03	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	92		70 - 130			09/02/22 13:37	09/03/22 02:03	
1-Chioroctane	72		70 - 700			00/02/22 /0.0/	00,00,0-,00	

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Matrix: Solid

Job ID: 890-2873-1

Client: Ensolum Project/Site: PLU PIERCE CANYON 12 SDG: 03E1558094

Client Sample ID: SS02 Lab Sample ID: 890-2873-4 Date Collected: 08/31/22 13:10

Matrix: Solid Date Received: 09/01/22 09:21

Sample Depth: .5

Method: 300.0 - Anions, Ion C	hromatography - Sol	uble					
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	20.2	4.97	mg/Kg			09/09/22 03:11	1

Client Sample ID: SS03 Lab Sample ID: 890-2873-5 Matrix: Solid

Date Collected: 08/31/22 13:20 Date Received: 09/01/22 09:21

Sample Depth: .5

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0.00199	U	0.00199	mg/Kg		09/09/22 12:42	09/10/22 20:20	-
Toluene	< 0.00199	U	0.00199	mg/Kg		09/09/22 12:42	09/10/22 20:20	
Ethylbenzene	< 0.00199	U	0.00199	mg/Kg		09/09/22 12:42	09/10/22 20:20	
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		09/09/22 12:42	09/10/22 20:20	
o-Xylene	< 0.00199	U	0.00199	mg/Kg		09/09/22 12:42	09/10/22 20:20	
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		09/09/22 12:42	09/10/22 20:20	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	88		70 - 130			09/09/22 12:42	09/10/22 20:20	
1,4-Difluorobenzene (Surr)	94		70 - 130			09/09/22 12:42	09/10/22 20:20	
Method: Total BTEX - Total B	TEX Calcula	tion						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Total BTEX	<0.00398						20/40/00 40 05	-
IOIAI DI EX	<0.00396	U	0.00398	mg/Kg			09/12/22 10:05	
				mg/Kg			09/12/22 10:05	
Method: 8015 NM - Diesel Ra Analyte	nge Organic			mg/kg Unit	D	Prepared	09/12/22 10:05 Analyzed	
Method: 8015 NM - Diesel Ra	nge Organic	s (DRO) (O	GC)		<u>D</u>	Prepared		
Method: 8015 NM - Diesel Ra Analyte Total TPH	nge Organic Result <50.0	s (DRO) (O Qualifier U	RL 50.0	Unit	<u>D</u>	Prepared	Analyzed	Dil Fac
Method: 8015 NM - Diesel Ra Analyte	nge Organic Result <50.0	s (DRO) (O Qualifier U	RL 50.0	Unit	<u>D</u>	Prepared Prepared	Analyzed	
Method: 8015 NM - Diesel Ra Analyte Total TPH Method: 8015B NM - Diesel R	nge Organic Result <50.0	s (DRO) (O Qualifier U	RL 50.0	<mark>Unit</mark> mg/Kg		<u> </u>	Analyzed 09/06/22 12:59 Analyzed	Dil Fac
Method: 8015 NM - Diesel Ra Analyte Total TPH Method: 8015B NM - Diesel R Analyte Gasoline Range Organics (GRO)-C6-C10	nge Organic Result <50.0 cange Organ Result <50.0	s (DRO) (O Qualifier U ics (DRO) Qualifier	(GC) RL 50.0 RL 50.0	Unit mg/Kg Unit mg/Kg		Prepared 09/02/22 13:37	Analyzed 09/06/22 12:59 Analyzed 09/03/22 02:24	Dil Fac
Method: 8015 NM - Diesel Ra Analyte Total TPH Method: 8015B NM - Diesel R Analyte Gasoline Range Organics	nge Organic Result <50.0	s (DRO) (O Qualifier U ics (DRO) Qualifier	RL 50.0 (GC)	Unit mg/Kg		Prepared 09/02/22 13:37	Analyzed 09/06/22 12:59 Analyzed	Dil Fa
Method: 8015 NM - Diesel Ra Analyte Total TPH Method: 8015B NM - Diesel R Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	nge Organic Result <50.0 cange Organ Result <50.0	s (DRO) (O Qualifier U ics (DRO) Qualifier U	(GC) RL 50.0 RL 50.0	Unit mg/Kg Unit mg/Kg		Prepared 09/02/22 13:37 09/02/22 13:37	Analyzed 09/06/22 12:59 Analyzed 09/03/22 02:24	Dil Fa
Method: 8015 NM - Diesel Ra Analyte Total TPH Method: 8015B NM - Diesel R Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	nge Organic Result <50.0 Range Organ Result <50.0 <50.0	s (DRO) (C Qualifier U ics (DRO) Qualifier U	(GC) RL 50.0 (BC) RL 50.0 50.0	Unit mg/Kg Unit mg/Kg mg/Kg		Prepared 09/02/22 13:37 09/02/22 13:37	Analyzed 09/06/22 12:59 Analyzed 09/03/22 02:24 09/03/22 02:24	Dil Fac
Method: 8015 NM - Diesel Ra Analyte Total TPH Method: 8015B NM - Diesel R Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	nge Organic Result <50.0 cange Organ Result <50.0 <50.0 <50.0	s (DRO) (C Qualifier U ics (DRO) Qualifier U	GC) RL 50.0 (GC) RL 50.0 50.0 50.0	Unit mg/Kg Unit mg/Kg mg/Kg		Prepared 09/02/22 13:37 09/02/22 13:37	Analyzed 09/06/22 12:59 Analyzed 09/03/22 02:24 09/03/22 02:24	Dil Fa
Method: 8015 NM - Diesel Ra Analyte Total TPH Method: 8015B NM - Diesel R Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate	nge Organic Result <50.0 cange Organ Result <50.0 <50.0 <50.0	s (DRO) (C Qualifier U ics (DRO) Qualifier U	GC) RL 50.0 (GC) RL 50.0 50.0 50.0 Limits	Unit mg/Kg Unit mg/Kg mg/Kg		Prepared 09/02/22 13:37 09/02/22 13:37 09/02/22 13:37 Prepared 09/02/22 13:37	Analyzed 09/06/22 12:59 Analyzed 09/03/22 02:24 09/03/22 02:24 09/03/22 02:24 Analyzed	Dil Fa
Method: 8015 NM - Diesel Ra Analyte Total TPH Method: 8015B NM - Diesel R Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Surrogate 1-Chlorooctane	nge Organic Result <50.0 Range Organ Result <50.0 <50.0 <50.0 %Recovery 114 112	s (DRO) (C Qualifier U ics (DRO) Qualifier U U	GC) RL 50.0 (GC) RL 50.0 50.0 50.0 Limits 70 - 130 70 - 130	Unit mg/Kg Unit mg/Kg mg/Kg		Prepared 09/02/22 13:37 09/02/22 13:37 09/02/22 13:37 Prepared 09/02/22 13:37	Analyzed 09/06/22 12:59 Analyzed 09/03/22 02:24 09/03/22 02:24 Analyzed 09/03/22 02:24	Dil Fa

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09/09/22 03:15

4.98

mg/Kg

46.9

Chloride

Matrix: Solid

Client: Ensolum Job ID: 890-2873-1

Project/Site: PLU PIERCE CANYON 12 SDG: 03E1558094

Client Sample ID: SS04 Lab Sample ID: 890-2873-6 Date Collected: 08/31/22 13:30 Date Received: 09/01/22 09:21

Sample Depth: .5

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		09/09/22 12:42	09/10/22 20:47	1
Toluene	<0.00201	U	0.00201	mg/Kg		09/09/22 12:42	09/10/22 20:47	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		09/09/22 12:42	09/10/22 20:47	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	mg/Kg		09/09/22 12:42	09/10/22 20:47	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		09/09/22 12:42	09/10/22 20:47	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		09/09/22 12:42	09/10/22 20:47	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		70 - 130			09/09/22 12:42	09/10/22 20:47	1
1,4-Difluorobenzene (Surr)	99		70 - 130			09/09/22 12:42	09/10/22 20:47	1
Method: Total BTEX - Total B	TEX Calcula	tion						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			09/12/22 10:05	1
Analyte Total TPH	Result <49.9	Qualifier U	RL 49.9	<u>Unit</u> 	D	Prepared	Analyzed 09/06/22 12:59	Dil Fac
Total TPH				mg/Kg	_ =			
Method: 8015B NM - Diesel R	ango Organ	ice (DBO)	(0.0)					
	ande Ordall		// 2/ '\					
Analyte	•	, ,	· ,	Unit	D	Prepared	Analyzed	Dil Fac
<u> </u>	Result	Qualifier	RL	Unit ma/Ka	<u>D</u>	Prepared 09/02/22 13:37	Analyzed 09/03/22 02:46	Dil Fac
Gasoline Range Organics	•	Qualifier	· ,	Unit mg/Kg	<u>D</u>	Prepared 09/02/22 13:37	Analyzed 09/03/22 02:46	
Gasoline Range Organics (GRO)-C6-C10	Result	Qualifier U	RL		<u>D</u>	09/02/22 13:37		
Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result <49.9	Qualifier U	RL 49.9 49.9	mg/Kg	<u>D</u>	09/02/22 13:37 09/02/22 13:37	09/03/22 02:46 09/03/22 02:46	1
Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result <49.9	Qualifier U	RL 49.9	mg/Kg	<u>D</u>	09/02/22 13:37 09/02/22 13:37	09/03/22 02:46	1
Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	Result <49.9 <49.9 <49.9 %Recovery	Qualifier U U U	RL 49.9 49.9 49.9 <i>Limits</i>	mg/Kg	<u> </u>	09/02/22 13:37 09/02/22 13:37	09/03/22 02:46 09/03/22 02:46 09/03/22 02:46 Analyzed	1
Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	Result <49.9 <49.9 <49.9	Qualifier U U U	RL 49.9 49.9 49.9	mg/Kg	<u>D</u>	09/02/22 13:37 09/02/22 13:37 09/02/22 13:37	09/03/22 02:46 09/03/22 02:46 09/03/22 02:46	1 1
Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Surrogate 1-Chlorooctane	Result <49.9 <49.9 <49.9 %Recovery	Qualifier U U U	RL 49.9 49.9 49.9 <i>Limits</i>	mg/Kg	<u> </u>	09/02/22 13:37 09/02/22 13:37 09/02/22 13:37 Prepared 09/02/22 13:37	09/03/22 02:46 09/03/22 02:46 09/03/22 02:46 Analyzed	1 1 1 1 Dil Fac
Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl	Result <49.9 <49.9 <49.9	Qualifier U U Qualifier	RL 49.9 49.9 49.9 Limits 70 - 130 70 - 130	mg/Kg	<u>D</u>	09/02/22 13:37 09/02/22 13:37 09/02/22 13:37 Prepared 09/02/22 13:37	09/03/22 02:46 09/03/22 02:46 09/03/22 02:46 Analyzed 09/03/22 02:46	1 1 1 1 1 Dil Fac 1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl Method: 300.0 - Anions, Ion CAnalyte	Result	Qualifier U U Qualifier	RL 49.9 49.9 49.9 Limits 70 - 130 70 - 130	mg/Kg	<u>D</u>	09/02/22 13:37 09/02/22 13:37 09/02/22 13:37 Prepared 09/02/22 13:37	09/03/22 02:46 09/03/22 02:46 09/03/22 02:46 Analyzed 09/03/22 02:46	1 1 1 1 1 Dil Fac 1

Surrogate Summary

Client: Ensolum Job ID: 890-2873-1 Project/Site: PLU PIERCE CANYON 12 SDG: 03E1558094

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid Prep Type: Total/NA

			Percen	t Surrogate Recovery (A	cceptance Limi
		BFB1	DFBZ1		
Lab Sample ID	Client Sample ID	(70-130)	(70-130)		
890-2873-1	BH01A	84	83		
890-2873-1 MS	BH01A	93	98		
890-2873-1 MSD	BH01A	85	101		
890-2873-2	BH01	93	95		
390-2873-3	SS01	89	92		
890-2873-4	SS02	100	108		
890-2873-5	SS03	88	94		
890-2873-6	SS04	88	99		
LCS 880-34108/1-A	Lab Control Sample	89	102		
LCSD 880-34108/2-A	Lab Control Sample Dup	92	102		
MB 880-34108/5-A	Method Blank	62 S1-	91		

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid Prep Type: Total/NA

			Perce	ent Surrogate Red
		1CO1	OTPH1	
_ab Sample ID	Client Sample ID	(70-130)	(70-130)	
380-18785-A-1-E MS	Matrix Spike	90	78	
880-18785-A-1-F MSD	Matrix Spike Duplicate	90	77	
390-2870-A-1-D MS	Matrix Spike	85	74	
390-2870-A-1-E MSD	Matrix Spike Duplicate	86	75	
390-2873-1	BH01A	106	107	
390-2873-2	BH01	113	106	
390-2873-3	SS01	118	116	
390-2873-4	SS02	92	91	
390-2873-5	SS03	114	112	
390-2873-6	SS04	117	116	
390-2933-A-1-B MS	Matrix Spike	73	66 S1-	
390-2933-A-1-C MSD	Matrix Spike Duplicate	78	68 S1-	
CS 880-33646/2-A	Lab Control Sample	150 S1+	151 S1+	
CS 880-33652/2-A	Lab Control Sample	141 S1+	144 S1+	
CS 880-34416/2-A	Lab Control Sample	96	98	
CSD 880-33646/3-A	Lab Control Sample Dup	147 S1+	152 S1+	
CSD 880-33652/3-A	Lab Control Sample Dup	144 S1+	146 S1+	
CSD 880-34416/3-A	Lab Control Sample Dup	81	82	
MB 880-33646/1-A	Method Blank	116	121	
MB 880-33652/1-A	Method Blank	110	115	
MB 880-34416/1-A	Method Blank	109	111	

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

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Page 10 of 28 Released to Imaging: 3/3/2023 8:53:40 AM

Client: Ensolum Job ID: 890-2873-1 Project/Site: PLU PIERCE CANYON 12 SDG: 03E1558094

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-34108/5-A

Lab Sample ID: LCS 880-34108/1-A

Matrix: Solid

Analysis Batch: 34150

Client	Sample	ID:	Method	Blank

Prep Type: Total/NA

Prep Batch: 34108

	MB	MB						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		09/09/22 12:42	09/10/22 18:08	1
Toluene	<0.00200	U	0.00200	mg/Kg		09/09/22 12:42	09/10/22 18:08	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		09/09/22 12:42	09/10/22 18:08	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		09/09/22 12:42	09/10/22 18:08	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		09/09/22 12:42	09/10/22 18:08	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		09/09/22 12:42	09/10/22 18:08	1
	MR	MR						

мв мв

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	62	S1-	70 - 130	09/09/22 12:42	09/10/22 18:08	1
1,4-Difluorobenzene (Surr)	91		70 - 130	09/09/22 12:42	09/10/22 18:08	1

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 34108

Prep Type: Total/NA

Prep Batch: 34108

Analysis Batch: 34150							Prep Ba	tch: 3410
	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.1052		mg/Kg		105	70 - 130	
Toluene	0.100	0.1014		mg/Kg		101	70 - 130	
Ethylbenzene	0.100	0.09875		mg/Kg		99	70 - 130	
m-Xylene & p-Xylene	0.200	0.2025		mg/Kg		101	70 - 130	
o-Xylene	0.100	0.1001		mg/Kg		100	70 - 130	

LCS LCS

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	89		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

Lab Sample ID: LCSD 880-34108/2-A **Client Sample ID: Lab Control Sample Dup**

Matrix: Solid

Matrix: Solid

Analysis Batch: 34150

	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.100	0.1002		mg/Kg		100	70 - 130	5	35
Toluene	0.100	0.09534		mg/Kg		95	70 - 130	6	35
Ethylbenzene	0.100	0.08911		mg/Kg		89	70 - 130	10	35
m-Xylene & p-Xylene	0.200	0.1817		mg/Kg		91	70 - 130	11	35
o-Xylene	0.100	0.09305		mg/Kg		93	70 - 130	7	35

LCSD LCSD

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	92		70 - 130
1.4-Difluorobenzene (Surr)	102		70 - 130

Lab Sample ID: 890-2873-1 N	15						Cile	nt Sample ID: BHU1A
Matrix: Solid								Prep Type: Total/NA
Analysis Batch: 34150								Prep Batch: 34108
-	Sample	Sample	Spike	MS	S MS			%Rec
							_ ~ _	

Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits mg/Kg Benzene <0.00201 U 0.0996 0.08819 89 70 - 130 Toluene <0.00201 U 0.0996 0.08582 mg/Kg 86 70 - 130

Client: Ensolum Job ID: 890-2873-1
Project/Site: PLU PIERCE CANYON 12 SDG: 03E1558094

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

Lab Sample ID: 890-2873-1 MS

Client Sample ID: BH01A

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 34150 Prep Batch: 34108

	Sample	Sample	Spike	MS	IVIS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Ethylbenzene	<0.00201	U	0.0996	0.08214		mg/Kg		82	70 - 130	
m-Xylene & p-Xylene	<0.00402	U	0.199	0.1681		mg/Kg		84	70 - 130	
o-Xylene	< 0.00201	U	0.0996	0.08247		mg/Kg		83	70 - 130	

 Surrogate
 %Recovery 4-Bromofluorobenzene (Surr)
 Qualifier 93
 Limits 70 - 130

 1,4-Difluorobenzene (Surr)
 98
 70 - 130

Lab Sample ID: 890-2873-1 MSD

Matrix: Solid Prep Type: Total/NA

Analysis Batch: 34150 Prep Batch: 34108

Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
<0.00201	U	0.0998	0.09043		mg/Kg		91	70 - 130	3	35
<0.00201	U	0.0998	0.08837		mg/Kg		89	70 - 130	3	35
<0.00201	U	0.0998	0.08669		mg/Kg		87	70 - 130	5	35
<0.00402	U	0.200	0.1765		mg/Kg		88	70 - 130	5	35
<0.00201	U	0.0998	0.08671		mg/Kg		87	70 - 130	5	35
	Result <0.00201 <0.00201 <0.00201 <0.00402	Sample Result Qualifier	Result Qualifier Added <0.00201	Result Qualifier Added Result <0.00201	Result Qualifier Added Result Qualifier <0.00201	Result Qualifier Added Result Qualifier Unit <0.00201	Result Qualifier Added Result Qualifier Unit D <0.00201	Result Qualifier Added Result Qualifier Unit D %Rec <0.00201	Result Qualifier Added Result Qualifier Unit D %Rec Limits <0.00201	Result Qualifier Added Result Qualifier Unit D %Rec Limits RPD <0.00201

 Surrogate
 MRSD MRSD

 4-Bromofluorobenzene (Surr)
 85
 70 - 130

 1,4-Difluorobenzene (Surr)
 101
 70 - 130

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

Lab Sample ID: MB 880-33646/1-A

Matrix: Solid

Prep Type: Total/NA

Applysic Patch: 23680

Analysis Batch: 33680

MB MB

Prep Batch: 33646

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0	mg/Kg		09/02/22 11:29	09/03/22 20:31	1
(GRO)-C6-C10								
Diesel Range Organics (Over	<50.0	U	50.0	mg/Kg		09/02/22 11:29	09/03/22 20:31	1
C10-C28)	<50.0		F0.0	vo a /1 ∕ a		00/02/22 11:20	09/03/22 20:31	4
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		09/02/22 11:29	09/03/22 20:31	1

 MB MB

 Surrogate
 %Recovery
 Qualifier
 Limits
 Prepared
 Analyzed
 Dil Fac

 1-Chlorooctane
 116
 70 - 130
 09/02/22 11:29
 09/03/22 20:31
 1

 o-Terphenyl
 121
 70 - 130
 09/02/22 11:29
 09/03/22 20:31
 1

Lab Sample ID: LCS 880-33646/2-A Client Sample ID: Lab Control Sample

Matrix: Solid Prep Type: Total/NA Analysis Batch: 33680 Prep Batch: 33646

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics	1000	867.1		mg/Kg		87	70 - 130	
(GRO)-C6-C10								
Diesel Range Organics (Over	1000	989.5		mg/Kg		99	70 - 130	
C10-C28)								

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Client Sample ID: BH01A

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Client: Ensolum Job ID: 890-2873-1 Project/Site: PLU PIERCE CANYON 12

SDG: 03E1558094

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

100 100

Lab Sample ID: LCS 880-33646/2-A

Matrix: Solid

Analysis Batch: 33680

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 33646

	LUJ	LUS			
Surrogate	%Recovery	Qualifier	Limits		
1-Chlorooctane	150	S1+	70 - 130		
o-Terphenyl	151	S1+	70 - 130		

Lab Sample ID: LCSD 880-33646/3-A

Matrix: Solid

Analysis Batch: 33680

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 33646

7									
	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics	 1000	1054		mg/Kg		105	70 - 130	19	20
(GRO)-C6-C10									
Diesel Range Organics (Over	1000	1053		mg/Kg		105	70 - 130	6	20
C10-C28)									

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	147	S1+	70 - 130
o-Terphenyl	152	S1+	70 - 130

Lab Sample ID: 890-2870-A-1-D MS

Matrix: Solid

Analysis Batch: 33680

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

Prep Batch: 33646

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics (GRO)-C6-C10	<49.9	U F1	999	570.6	F1	mg/Kg		55	70 - 130	
Diesel Range Organics (Over C10-C28)	<49.9	U	999	840.3		mg/Kg		82	70 - 130	

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	85		70 - 130
o-Terphenyl	74		70 - 130

Lab Sample ID: 890-2870-A-1-E MSD

Matrix: Solid

Analysis Batch: 33680

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA Prep Batch: 33646

Sample Sample Spike MSD MSD %Rec RPD Result Qualifier Added Result Qualifier Limits Analyte Unit D %Rec RPD Limit Gasoline Range Organics <49.9 U F1 998 613.1 F1 mg/Kg 59 70 - 130 20 (GRO)-C6-C10 Diesel Range Organics (Over <49.9 U 998 847.6 mg/Kg 83 70 - 130 20

C10-C28)

Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	86		70 - 130
o-Terphenyl	75		70 - 130

QC Sample Results

Client: Ensolum Job ID: 890-2873-1 Project/Site: PLU PIERCE CANYON 12 SDG: 03E1558094

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

Lab Sample ID: MB 880-33652/1-A

Lab Sample ID: LCS 880-33652/2-A

Matrix: Solid

Matrix: Solid

Analysis Batch: 33584

Analysis Batch: 33584

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 33652

	MB	MB						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg	_	09/02/22 13:37	09/02/22 19:12	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		09/02/22 13:37	09/02/22 19:12	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		09/02/22 13:37	09/02/22 19:12	1

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	110	·	70 - 130	09/02/22 13:37	09/02/22 19:12	1
o-Terphenyl	115		70 - 130	09/02/22 13:37	09/02/22 19:12	1

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 33652

Prep Batch: 33652

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics (GRO)-C6-C10	1000	897.3		mg/Kg		90	70 - 130	
Diesel Range Organics (Over C10-C28)	1000	906.9		mg/Kg		91	70 - 130	

LCS LCS

Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	141	S1+	70 - 130
o-Terphenyl	144	S1+	70 - 130

Lab Sample ID: LCSD 880-33652/3-A **Client Sample ID: Lab Control Sample Dup Prep Type: Total/NA**

Matrix: Solid

Analysis Batch: 33584

•	Spike	LCSD L	CSD				%Rec		RPD
Analyte	Added	Result (Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	1000	916.7		mg/Kg		92	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	1000	923.6		mg/Kg		92	70 - 130	2	20

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	144	S1+	70 - 130
o-Terphenyl	146	S1+	70 - 130

Lab Sample ID: 880-18785-A-1-E MS Client Sample ID: Matrix Spike Prep Type: Total/NA

Matrix: Solid

Analysis Batch: 33584									Prep I	Batch: 33652
	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	999	898.3		mg/Kg		88	70 - 130	
Diesel Range Organics (Over C10-C28)	<49.9	U	999	847.2		mg/Kg		85	70 - 130	

Client: Ensolum Job ID: 890-2873-1 Project/Site: PLU PIERCE CANYON 12 SDG: 03E1558094

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

Lab Sample ID: 880-18785-A-1-E MS

Matrix: Solid

Analysis Batch: 33584

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 33652

MS MS %Recovery Qualifier Limits Surrogate 1-Chlorooctane 90 70 - 130 o-Terphenyl 78 70 - 130

Lab Sample ID: 880-18785-A-1-F MSD

Matrix: Solid

Matrix: Solid

Analysis Batch: 34433

Analysis Batch: 33584

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 33652

RPD MSD MSD %Rec Sample Sample Spike Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits RPD Limit Gasoline Range Organics <49.9 U 998 889.0 mg/Kg 87 70 - 130 20 (GRO)-C6-C10 Diesel Range Organics (Over <49.9 U 998 842.9 mg/Kg 84 70 - 130 20 C10-C28)

MSD MSD

Surrogate %Recovery Qualifier Limits 1-Chlorooctane 90 70 - 130 70 - 130 o-Terphenyl 77

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 34416

MB MB Result Qualifier Unit Analyte RI D Prepared Analyzed Dil Fac 09/13/22 15:30 09/14/22 09:53 Gasoline Range Organics <50.0 U 50.0 mg/Kg (GRO)-C6-C10 50.0 Diesel Range Organics (Over <50.0 U mg/Kg 09/13/22 15:30 09/14/22 09:53 C10-C28) Oll Range Organics (Over C28-C36) <50.0 U 50.0 09/13/22 15:30 09/14/22 09:53 mg/Kg

MB MB

%Recovery Qualifier Surrogate Limits Prepared Analyzed Dil Fac 70 - 130 09/13/22 15:30 09/14/22 09:53 1-Chlorooctane 109 111 70 - 130 09/13/22 15:30 09/14/22 09:53 o-Terphenyl

Lab Sample ID: LCS 880-34416/2-A

Lab Sample ID: MB 880-34416/1-A

Matrix: Solid

Analysis Batch: 34433

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 34416

LCS LCS Spike %Rec Added Result Qualifier %Rec Limits Analyte Unit 1000 Gasoline Range Organics 1035 103 70 - 130 mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over 1000 1127 mg/Kg 113 70 - 130

C10-C28)

LCS LCS

Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	96		70 - 130
o-Terphenyl	98		70 - 130

Client: Ensolum Job ID: 890-2873-1 Project/Site: PLU PIERCE CANYON 12 SDG: 03E1558094

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

Lab Sample ID: LCSD 880-34416/3-A

Lab Sample ID: 890-2933-A-1-B MS

Matrix: Solid

Analysis Batch: 34433

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 34416

LCSD LCSD Spike %Rec **RPD** Added Result Qualifier Unit D %Rec Limits RPD Limit Analyte Gasoline Range Organics 1000 879.7 mg/Kg 88 70 - 130 16 20 (GRO)-C6-C10 1000 Diesel Range Organics (Over 920.3 92 70 - 130 20 mg/Kg 20

C10-C28)

Matrix: Solid

Analysis Batch: 34433

LCSD LCSD

1/10 1/10

Surrogate	%Recovery Qualifier	Limits
1-Chlorooctane	81	70 - 130
o-Terphenyl	82	70 - 130

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 34416

Sample Sample Spike MS MS %Rec Analyte Result Qualifier Added Result Qualifier D %Rec Limits Unit Gasoline Range Organics <49.9 U 996 781.2 78 70 - 130 mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over 640.2 F1 <49.9 UF1 996 mg/Kg 63 70 - 130 C10-C28)

	IVIS	IVIS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	73		70 - 130
o-Terphenyl	66	S1-	70 - 130

Lab Sample ID: 890-2933-A-1-C MSD **Client Sample ID: Matrix Spike Duplicate**

MSD MSD

829.0

662.5 F1

Result Qualifier

Unit

mg/Kg

mg/Kg

Spike

Added

999

999

Matrix: Solid

Analysis Batch: 34433

Gasoline Range Organics

Prep Type: Total/NA Prep Batch: 34416

65

%Rec RPD %Rec Limits RPD Limit 83 20 70 - 130 6

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Diesel Range Organics (Over C10-C28)

(GRO)-C6-C10

Analyte

MSD MSD

<49.9 U F1

Sample Sample

<49.9 U

Result Qualifier

Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	78		70 - 130
o-Terphenyl	68	S1-	70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-33691/1-A

Matrix: Solid

Analysis Batch: 33933

Client Sample ID: Method Blank

70 - 130

Prep Type: Soluble

MB MB

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00	mg/Kg			09/09/22 02:38	1

QC Sample Results

Client: Ensolum Job ID: 890-2873-1 Project/Site: PLU PIERCE CANYON 12

SDG: 03E1558094

%Rec

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-33691/2-A **Client Sample ID: Lab Control Sample Matrix: Solid Prep Type: Soluble**

Analysis Batch: 33933 LCS LCS Spike

Analyte Added Result Qualifier Unit Limits D %Rec Chloride 250 240.6 mg/Kg 96 90 - 110

Lab Sample ID: LCSD 880-33691/3-A Client Sample ID: Lab Control Sample Dup Matrix: Solid **Prep Type: Soluble Analysis Batch: 33933** Spike LCSD LCSD %Rec

RPD Analyte Added Result Qualifier Unit D %Rec Limits RPD Limit Chloride 250 90 - 110 241.4 mg/Kg 97 0

Lab Sample ID: 890-2874-A-3-C MS **Client Sample ID: Matrix Spike Matrix: Solid**

Prep Type: Soluble Analysis Batch: 33933

Sample Sample Spike MS MS %Rec Analyte Result Qualifier Added Result Qualifier Limits Unit %Rec

Chloride 541 251 769.3 mg/Kg Lab Sample ID: 890-2874-A-3-D MSD **Client Sample ID: Matrix Spike Duplicate**

Matrix: Solid Prep Type: Soluble

Analysis Batch: 33933 Spike MSD MSD %Rec **RPD** Sample Sample

Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits RPD Limit Chloride 251 768.7 541 mg/Kg 91 90 - 110

QC Association Summary

Client: Ensolum

Project/Site: PLU PIERCE CANYON 12

Job ID: 890-2873-1 SDG: 03E1558094

GC VOA

Prep Batch: 34108

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2873-1	BH01A	Total/NA	Solid	5035	
890-2873-2	BH01	Total/NA	Solid	5035	
890-2873-3	SS01	Total/NA	Solid	5035	
890-2873-4	SS02	Total/NA	Solid	5035	
890-2873-5	SS03	Total/NA	Solid	5035	
890-2873-6	SS04	Total/NA	Solid	5035	
MB 880-34108/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-34108/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-34108/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-2873-1 MS	BH01A	Total/NA	Solid	5035	
890-2873-1 MSD	BH01A	Total/NA	Solid	5035	

Analysis Batch: 34150

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2873-1	BH01A	Total/NA	Solid	8021B	34108
890-2873-2	BH01	Total/NA	Solid	8021B	34108
890-2873-3	SS01	Total/NA	Solid	8021B	34108
890-2873-4	SS02	Total/NA	Solid	8021B	34108
890-2873-5	SS03	Total/NA	Solid	8021B	34108
890-2873-6	SS04	Total/NA	Solid	8021B	34108
MB 880-34108/5-A	Method Blank	Total/NA	Solid	8021B	34108
LCS 880-34108/1-A	Lab Control Sample	Total/NA	Solid	8021B	34108
LCSD 880-34108/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	34108
890-2873-1 MS	BH01A	Total/NA	Solid	8021B	34108
890-2873-1 MSD	BH01A	Total/NA	Solid	8021B	34108

Analysis Batch: 34260

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2873-1	BH01A	Total/NA	Solid	Total BTEX	
890-2873-2	BH01	Total/NA	Solid	Total BTEX	
890-2873-3	SS01	Total/NA	Solid	Total BTEX	
890-2873-4	SS02	Total/NA	Solid	Total BTEX	
890-2873-5	SS03	Total/NA	Solid	Total BTEX	
890-2873-6	SS04	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 33584

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2873-4	SS02	Total/NA	Solid	8015B NM	33652
890-2873-5	SS03	Total/NA	Solid	8015B NM	33652
890-2873-6	SS04	Total/NA	Solid	8015B NM	33652
MB 880-33652/1-A	Method Blank	Total/NA	Solid	8015B NM	33652
LCS 880-33652/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	33652
LCSD 880-33652/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	33652
880-18785-A-1-E MS	Matrix Spike	Total/NA	Solid	8015B NM	33652
880-18785-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	33652

Prep Batch: 33646

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2873-1	BH01A	Total/NA	Solid	8015NM Prep	

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QC Association Summary

Client: Ensolum
Project/Site: PLU PIERCE CANYON 12
Job ID: 890-2873-1
SDG: 03E1558094

GC Semi VOA (Continued)

Prep Batch: 33646 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2873-2	BH01	Total/NA	Solid	8015NM Prep	
890-2873-3	SS01	Total/NA	Solid	8015NM Prep	
MB 880-33646/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-33646/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-33646/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-2870-A-1-D MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-2870-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Prep Batch: 33652

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2873-4	SS02	Total/NA	Solid	8015NM Prep	
890-2873-5	SS03	Total/NA	Solid	8015NM Prep	
890-2873-6	SS04	Total/NA	Solid	8015NM Prep	
MB 880-33652/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-33652/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-33652/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-18785-A-1-E MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-18785-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 33680

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2873-1	BH01A	Total/NA	Solid	8015B NM	33646
890-2873-2	BH01	Total/NA	Solid	8015B NM	33646
890-2873-3	SS01	Total/NA	Solid	8015B NM	33646
MB 880-33646/1-A	Method Blank	Total/NA	Solid	8015B NM	33646
LCS 880-33646/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	33646
LCSD 880-33646/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	33646
890-2870-A-1-D MS	Matrix Spike	Total/NA	Solid	8015B NM	33646
890-2870-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	33646

Analysis Batch: 33844

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2873-1	BH01A	Total/NA	Solid	8015 NM	
890-2873-2	BH01	Total/NA	Solid	8015 NM	
890-2873-3	SS01	Total/NA	Solid	8015 NM	
890-2873-4	SS02	Total/NA	Solid	8015 NM	
890-2873-5	SS03	Total/NA	Solid	8015 NM	
890-2873-6	SS04	Total/NA	Solid	8015 NM	

Prep Batch: 34416

Lab Sample ID	Client Semula ID	Draw Time	Matrix	Mathad	Dran Batab
Lab Sample ID MB 880-34416/1-A	Client Sample ID Method Blank	Prep Type Total/NA	Solid	Method 8015NM Prep	Prep Batch
LCS 880-34416/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-34416/3-A	'	Total/NA	Solid	•	
	Lab Control Sample Dup			8015NM Prep	
890-2933-A-1-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-2933-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 34433

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-34416/1-A	Method Blank	Total/NA	Solid	8015B NM	34416
LCS 880-34416/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	34416

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QC Association Summary

Client: Ensolum Job ID: 890-2873-1 Project/Site: PLU PIERCE CANYON 12 SDG: 03E1558094

GC Semi VOA (Continued)

Analysis Batch: 34433 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-34416/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	34416
890-2933-A-1-B MS	Matrix Spike	Total/NA	Solid	8015B NM	34416
890-2933-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	34416

HPLC/IC

Leach Batch: 33691

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2873-1	BH01A	Soluble	Solid	DI Leach	
890-2873-2	BH01	Soluble	Solid	DI Leach	
890-2873-3	SS01	Soluble	Solid	DI Leach	
890-2873-4	SS02	Soluble	Solid	DI Leach	
890-2873-5	SS03	Soluble	Solid	DI Leach	
890-2873-6	SS04	Soluble	Solid	DI Leach	
MB 880-33691/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-33691/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-33691/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-2874-A-3-C MS	Matrix Spike	Soluble	Solid	DI Leach	
890-2874-A-3-D MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 33933

Released to Imaging: 3/3/2023 8:53:40 AM

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2873-1	BH01A	Soluble	Solid	300.0	33691
890-2873-2	BH01	Soluble	Solid	300.0	33691
890-2873-3	SS01	Soluble	Solid	300.0	33691
890-2873-4	SS02	Soluble	Solid	300.0	33691
890-2873-5	SS03	Soluble	Solid	300.0	33691
890-2873-6	SS04	Soluble	Solid	300.0	33691
MB 880-33691/1-A	Method Blank	Soluble	Solid	300.0	33691
LCS 880-33691/2-A	Lab Control Sample	Soluble	Solid	300.0	33691
LCSD 880-33691/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	33691
890-2874-A-3-C MS	Matrix Spike	Soluble	Solid	300.0	33691
890-2874-A-3-D MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	33691

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Project/Site: PLU PIERCE CANYON 12

Job ID: 890-2873-1

SDG: 03E1558094

Client Sample ID: BH01A

Client: Ensolum

Date Collected: 08/31/22 12:00 Date Received: 09/01/22 09:21

Lab Sample ID: 890-2873-1

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	34108	09/09/22 12:42	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	34150	09/10/22 18:35	MR	EET MID
Total/NA	Analysis	Total BTEX		1			34260	09/12/22 10:05	AJ	EET MID
Total/NA	Analysis	8015 NM		1			33844	09/06/22 12:59	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	33646	09/02/22 11:29	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	33680	09/04/22 04:36	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	33691	09/03/22 13:12	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	33933	09/09/22 08:39	CH	EET MID

Client Sample ID: BH01 Lab Sample ID: 890-2873-2 Date Collected: 08/31/22 12:15 **Matrix: Solid**

Date Received: 09/01/22 09:21

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	34108	09/09/22 12:42	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	34150	09/10/22 19:01	MR	EET MID
Total/NA	Analysis	Total BTEX		1			34260	09/12/22 10:05	AJ	EET MID
Total/NA	Analysis	8015 NM		1			33844	09/06/22 12:59	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	33646	09/02/22 11:29	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	33680	09/04/22 04:57	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	33691	09/03/22 13:12	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	33933	09/09/22 08:43	CH	EET MID

Client Sample ID: SS01 Lab Sample ID: 890-2873-3

Date Collected: 08/31/22 13:00 Date Received: 09/01/22 09:21

	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	34108	09/09/22 12:42	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	34150	09/10/22 19:28	MR	EET MID
Total/NA	Analysis	Total BTEX		1			34260	09/12/22 10:05	AJ	EET MID
Total/NA	Analysis	8015 NM		1			33844	09/06/22 12:59	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	33646	09/02/22 11:29	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	33680	09/04/22 05:18	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	33691	09/03/22 13:12	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	33933	09/09/22 08:48	CH	EET MID

Client Sample ID: SS02 Lab Sample ID: 890-2873-4 Date Collected: 08/31/22 13:10

Date Received: 09/01/22 09:21

Released to Imaging: 3/3/2023 8:53:40 AM

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035	Kuii		5.02 g	5 mL	34108	09/09/22 12:42		EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	34150	09/10/22 19:54	MR	EET MID
Total/NA	Analysis	Total BTEX		1			34260	09/12/22 10:05	AJ	EET MID

Eurofins Carlsbad

Matrix: Solid

Matrix: Solid

Client: Ensolum Job ID: 890-2873-1 Project/Site: PLU PIERCE CANYON 12 SDG: 03E1558094

Client Sample ID: SS02

Date Collected: 08/31/22 13:10 Date Received: 09/01/22 09:21

Lab Sample ID: 890-2873-4

Matrix: Solid

	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			33844	09/06/22 12:59	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	33652	09/02/22 13:37	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	33584	09/03/22 02:03	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	33691	09/03/22 13:12	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	33933	09/09/22 03:11	CH	EET MID

Client Sample ID: SS03 Lab Sample ID: 890-2873-5 Date Collected: 08/31/22 13:20 **Matrix: Solid**

Date Received: 09/01/22 09:21

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	34108	09/09/22 12:42	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	34150	09/10/22 20:20	MR	EET MID
Total/NA	Analysis	Total BTEX		1			34260	09/12/22 10:05	AJ	EET MID
Total/NA	Analysis	8015 NM		1			33844	09/06/22 12:59	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	33652	09/02/22 13:37	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	33584	09/03/22 02:24	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	33691	09/03/22 13:12	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	33933	09/09/22 03:15	CH	EET MID

Client Sample ID: SS04 Lab Sample ID: 890-2873-6 Date Collected: 08/31/22 13:30 **Matrix: Solid**

Date Received: 09/01/22 09:21

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	34108	09/09/22 12:42	MR	EET MIC
Total/NA	Analysis	8021B		1	5 mL	5 mL	34150	09/10/22 20:47	MR	EET MID
Total/NA	Analysis	Total BTEX		1			34260	09/12/22 10:05	AJ	EET MID
Total/NA	Analysis	8015 NM		1			33844	09/06/22 12:59	SM	EET MI
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	33652	09/02/22 13:37	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	33584	09/03/22 02:46	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	33691	09/03/22 13:12	KS	EET MI
Soluble	Analysis	300.0		1	50 mL	50 mL	33933	09/09/22 03:20	CH	EET MI

Laboratory References:

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

Accreditation/Certification Summary

Client: Ensolum Job ID: 890-2873-1
Project/Site: PLU PIERCE CANYON 12 SDG: 03E1558094

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	NELAP		T104704400-22-24	06-30-23		
The following analyte the agency does not		ort, but the laboratory is r	not certified by the governing authority.	This list may include analytes for which		
and agency does not	oner certification.					
Analysis Method	Prep Method	Matrix	Analyte			
0 ,		Matrix Solid	Analyte Total TPH			

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Method Summary

Client: Ensolum

Project/Site: PLU PIERCE CANYON 12

Job ID: 890-2873-1

SDG: 03E1558094

otocol	Laboratory
/846	EET MID
SOP	EET MID
/846	EET MID
/846	EET MID
WWA	EET MID

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

Protocol References:

ASTM = ASTM International

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

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Ensolum

Project/Site: PLU PIERCE CANYON 12

Job ID: 890-2873-1

SDG: 03E1558094

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-2873-1	BH01A	Solid	08/31/22 12:00	09/01/22 09:21	1
890-2873-2	BH01	Solid	08/31/22 12:15	09/01/22 09:21	.5
890-2873-3	SS01	Solid	08/31/22 13:00	09/01/22 09:21	.5
890-2873-4	SS02	Solid	08/31/22 13:10	09/01/22 09:21	.5
890-2873-5	SS03	Solid	08/31/22 13:20	09/01/22 09:21	.5
890-2873-6	SS04	Solid	08/31/22 13:30	09/01/22 09:21	.5

Work Order No:

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

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

Chain of Custody

💸 eurofins

Environment Testing

Superfund DI Water: H,O ed Date: 08/25/2020 Rev, 2020. Level IV NaOH: Na MeOH: Me HNO 3: HN Sample Comments NaOH+Ascorbic Acid: SAPC Preservative Codes Date/Time Zn Acetate+NaOH: Zn PST/UST TRRP RRC Na 25 203: NaSO 3 Other: 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 NaHSO 4: NABIS Hg: 1631 / 245.1 / 7470 / 7471 H₃PO 4: HP Brownfields 🗌 None: NO H2504: H2 Page Cool: Cool HCL: HC Work Order Comments ADaPT Received by: (Signature) www.xenco.com Reporting: Level III | Level III UST/PST | PRP EDD State of Project: Furofits Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofits Xenco, but not analyzed. These terms will be enforced unless previously negotiated. Deliverables: TCLP/SPLP 6010 : 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U Vortee: 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 Program: 890-2873 Chain of Custody 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 ANALYSIS REQUEST Relinquished by: (Signature) Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199 EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296 74 Cett 4.13392 プクプ XIO Date/Time #of Cont Pres. Code Parameters Bill to: (if different) Company Name: Comp Grab/ City, State ZIP: 3000 TAT starts the day received by the lab, if received by 4:30pm å 9 0 1 Rush Address: 7 Depth Yes Turn Around Received by (Signature) Email: Routine Due Date: Corrected Temperature: 276 Wet Ice: Sampled Temperature Reading: 1200 300 Time 210 アス Correction Factor: 38726 Thermometer ID: Sampled Yes No Date 6-3 Circle Method(s) and Metal(s) to be analyzed 7 Matrix 4087 Xenco Jemp Blank: Yes No (N/A 200.8 / 6020: Yes No Den Rel Yes No Insolur Relinquished by: (Signature) Sample Identification Samples Received Intact: Total 200.7 / 6010 ample Custody Seals: Cooler Custody Seals: SAMPLE RECEIPT Project Manager: Project Number: Company Name: Project Location: Sampler's Name: Total Containers: City, State ZIP: roject Name Address: Phone: * Od

Login Sample Receipt Checklist

 Client: Ensolum
 Job Number: 890-2873-1

 SDG Number: 03E1558094

Login Number: 2873 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	N/A	

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Login Sample Receipt Checklist

 Client: Ensolum
 Job Number: 890-2873-1

 SDG Number: 03E1558094

List Source: Eurofins Midland
List Number: 2
List Creation: 09/02/22 10:54 AM

Creator: Rodriguez, Leticia

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

Released to Imaging: 3/3/2023 8:53:40 AM

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APPENDIX E

NMOCD Notifications

Foust, Bryan Jacob

From: Green, Garrett J

Sent: Monday, August 1, 2022 1:31 PM

To: ocd.enviro@state.nm.us; Bratcher, Mike, EMNRD; Hamlet, Robert, EMNRD

Cc: DelawareSpills /SM

Subject: XTO 48 Hour Liner Inspection Notification - PLU Pierce Canyon 12 Battery - Released on

7/27/22

Follow Up Flag: Follow up Flag Status: Flagged

Good afternoon,

This is sent as a 48-hour notification, XTO is scheduled to inspect the lined containment at PLU Pierce Canyon 12 Battery released on (7/27/2022), on Thursday, August 4, 2022, at 10am MST. A 24 hour release notification was sent not since the release was less than 25 barrels in volume. Please call us with any questions or concerns.

GPS Coordinates: (32.22558,-103.93034)

Thank you,

Garrett Green

Environmental Coordinator Delaware Business Unit (575) 200-0729

Garrett.Green@ExxonMobil.com

XTO Energy, Inc.

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

From: <u>Green, Garrett J</u>

To: ocd.enviro@state.nm.us; mike.bratcher@state.nm.us; Hamlet, Robert, EMNRD

Cc: Tacoma Morrissey

Subject: XTO - Sampling Notification (Week of 8/29/22 - 9/2/22)

Date: Friday, August 26, 2022 3:15:37 PM

[**EXTERNAL EMAIL**]

All,

XTO plans to complete final sampling activities at the following sites the week of August 29, 2022.

Monday

- Brushy Draw West 25 / nAPP2216138431
- Big Sinks 2-24-30 / nAPP2219644709 & nAPP2220224382

Tuesday

- Brushy Draw West 25 / nAPP2216138431
- PLU 21 BD 123-124 & 104 / nAPP2211651017, nAPP2211151438, nAPP2210942764, & nAPP2209736479
- ADU 816/ NAB1435334641

Wednesday

- Brushy Draw West 25 / nAPP2216138431
- PLU 21 BD 123-124 & 104 / nAPP2211651017, nAPP2211151438, nAPP2210942764, & nAPP2209736479
- ADU 816/ NAB1435334641
- PLU Pierce Canyon 12 / nAPP2222044186

Thursday

- PLU 21 BD 123-124 & 104 / nAPP2211651017, nAPP2211151438, nAPP2210942764, & nAPP2209736479
- JRU DI2/ nAPP2211654411 & nAPP2208349430

Friday

- PLU 21 BD 123-124 & 104 / nAPP2211651017, nAPP2211151438, nAPP2210942764, & nAPP2209736479
- PLU S Frac Pond / nAPP2211150068

Thank you!

Garrett Green

Environmental Coordinator Delaware Business Unit (575) 200-0729

Garrett.Green@ExxonMobil.com

XTO Energy, Inc.

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

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

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

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

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

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

CONDITIONS

Action 153358

CONDITIONS

Operator:	OGRID:
XTO ENERGY, INC	5380
6401 Holiday Hill Road	Action Number:
Midland, TX 79707	153358
	Action Type:
	[C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date	
rhamlet	XTO's deferral requests to complete final remediation during any future major construction/alteration or final plugging/abandonment, whichever occurs first. Ensolum and XTO do not believe deferment will result in imminent risk to human health, the environment, or groundwater. The area requested for deferral is "BH01". The area has been delineated and documented in the report. At this time, OCD approves this request. The Deferral Request and C-141 will be accepted for record and marked accordingly. The release will remain open in OCD database files and reflect an open environmental issue. This is a Federal site and will require like approval from BLM.	3/3/2023	