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	NAPP2310044397
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party XTO Energy				5380	
Contact Name Garrett Green			Contact Te	elephone 575-20	00-0729
Contact email garrett.g	reen@exxonmobil.c	om	Incident #	(assigned by OCD)	
Contact mailing address	^S 3104 E. Greene St	reet, Carlsbad, Ne	w Mexico, 88220		
		T 4.	CD L C		
		Location	of Release So	ource	
Latitude 32.09447			Longitude _	-103.83633	
		(NAD 83 in dec	cimal degrees to 5 decim	nal places)	
Site Name PLU Phar	ntom Banks 25-25-3	0 Battery	Site Type (Central Tank Ba	attery
Date Release Discovere	d 04/01/2023		API# (if app	licable)	
		T 5		,	1
Unit Letter Section	Township	Range	Coun	•	
N 25	25S	30E	Eddy	У	
Surface Owner: State Federal Tribal Private (Name:) Nature and Volume of Release					
Mate	ial(s) Released (Select a	ll that apply and attach	calculations or specific	justification for the	volumes provided below)
➤ Crude Oil	Volume Release			Volume Reco	
Produced Water	Volume Release	ed (bbls)		Volume Reco	vered (bbls)
		tion of total dissolv water >10,000 mg		☐ Yes ☐ N	Го
Condensate	Volume Release	ed (bbls)		Volume Reco	vered (bbls)
☐ Natural Gas Volume Released (Mcf)			Volume Reco	vered (Mcf)	
Other (describe)	Volume/Weight	Released (provide	e units)	Volume/Weig	ght Recovered (provide units)
Cause of Release Battery loaded up, which resulted in fluid escaping the flare and igniting on pad surface. LO extinguished fire and shut in wells. No injuries were reported. A third-party contractor has been retained for remediation purposes.					

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Page 2 Oil Conservation Division

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Incident ID	NAPP2310044397	
District RP		
Facility ID		
Application ID		1

	T	
Was this a major	If YES, for what reason(s) does the respon	onsible party consider this a major release?
release as defined by	A release that results in a fire or is the resu	sult of a fire.
19.15.29.7(A) NMAC?		
Yes No		
I I I CS I I NO		
If YES, was immediate n	otice given to the OCD? By whom? To wh	whom? When and by what means (phone, email, etc)?
Yes, by Melanie Collins t	o ocd.enviro@emnrd.nm.gov, Robert.Haml	nlet@emnrd.nm.gov. Mike.Bratcher@emnrd.nm.gov, and
-	l.nm.gov on 04/02/2023 via email.	
	Initial Ro	desponse
The responsible	party must undertake the following actions immediatel	ely unless they could create a safety hazard that would result in injury
The responsible	party must under take the jone ming denous immediate.	
The source of the rele	ease has been stopped.	
▼ The impacted area has	as been secured to protect human health and	d the environment.
Released materials ha	ave been contained via the use of berms or d	dikes, absorbent pads, or other containment devices.
-	ecoverable materials have been removed and	
If all the actions describe	d above have <u>not</u> been undertaken, explain v	why:
NA		
- 1015-00- (D37		
		remediation immediately after discovery of a release. If remediation
		l efforts have been successfully completed or if the release occurred
within a lined containmen	nt area (see 19.15.29.11(A)(5)(a) NMAC), p	please attach all information needed for closure evaluation.
I hereby certify that the info	ormation given above is true and complete to the	e best of my knowledge and understand that pursuant to OCD rules and
		tifications and perform corrective actions for releases which may endanger
		OCD does not relieve the operator of liability should their operations have
		reat to groundwater, surface water, human health or the environment. In f responsibility for compliance with any other federal, state, or local laws
and/or regulations.	if a C-141 report does not reneve the operator of	responsibility for comphance with any other rederal, state, or local laws
	waan.	CCHE Coordinator
Printed Name: Garrett G	Teen	Title: SSHE Coordinator
0	-A	_ 4/10/2023
Signature:	THE SHOW	Date: 4/10/2023
email: garrett.green@exx	xonmobil.com	Telephone: 575-200-0729
eman.		reiephone.
OCD Only		
D 1 11 Joo	elvn Harimon	D (04/10/2022
Received by: Joce	elyn Harimon	Date:04/10/2023_

Location:	PLU Phantom Banks 25-25-30 Battery		
Spill Date:	4/1/2023		
	Area 1		
Approximate A	rea =	780.00	sq. ft.
Average Satura	tion (or depth) of spill =	1.00	inches
Average Porosi	ty Factor =	0.03	
	VOLUME OF LEAK		
Total Crude Oil	=	0.35	bbls
Total Produced	Water =	0.00	bbls
	TOTAL VOLUME OF LEAK		
Total Crude Oi	=	0.35	bbls
Total Produced	Water =	0.00	bbls
	TOTAL VOLUME RECOVERED		
Total Crude Oil	=	0.00	bbls
Total Produced	l Water =	0.00	bbls

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

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

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

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

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

CONDITIONS

Action 205650

CONDITIONS

Operator:	OGRID:
XTO ENERGY, INC	5380
6401 Holiday Hill Road	Action Number:
Midland, TX 79707	205650
	Action Type:
	[C-141] Release Corrective Action (C-141)

CONDITIONS

Created By		Condition Date
jharimon	None	4/10/2023

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Incident ID	NAPP2310044397	
District RP		
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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 X No	
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	Yes X 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 X No	
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	Yes X 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 X No	
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	Yes X No	
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	Yes X No	
Are the lateral extents of the release within 300 feet of a wetland?	Yes X No	
Are the lateral extents of the release overlying a subsurface mine?	Yes X No	
Are the lateral extents of the release overlying an unstable area such as karst geology?	Yes X No	
Are the lateral extents of the release within a 100-year floodplain?	Yes X No	
Did the release impact areas not on an exploration, development, production, or storage site?	Yes X No	
Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.		
Characterization Report Checklist: Each of the following items must be included in the report.		
Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.		

Cl	haracterization Report Checklist: Each of the following items must be included in the report.
X	Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
X	Field data
X	Data table of soil contaminant concentration data
X	Depth to water determination
X	Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
X	
X	Photographs including date and GIS information
X	Topographic/Aerial maps
X	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.

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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: HSSE Coordinator	
Signature:garrett.green@exxonmobil.com email:	Date: 8/25/2023 Telephone: 575-200-0729	
OCD Only		
Received by: Shelly Wells	Date: 8/25/2023	

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Incident ID NAPP2310044397

District RP
Facility ID
Application ID

Closure

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

Closure Report Attachment Checklist: Each of the following items must be included in the closure report.			
X A scaled site and sampling diagram as described in 19.15.29.11 NMAC			
Photographs of the remediated site prior to backfill or photos must be notified 2 days prior to liner inspection)	of the liner integrity if applicable (Note: appropriate OCD District office		
X Laboratory analyses of final sampling (Note: appropriate ODC	C District office must be notified 2 days prior to final sampling)		
Description of remediation activities			
and regulations all operators are required to report and/or file certain may endanger public health or the environment. The acceptance of should their operations have failed to adequately investigate and rephuman health or the environment. In addition, OCD acceptance of	ntions. The responsible party acknowledges they must substantially nditions that existed prior to the release or their final land use in		
Printed Name: Garrett Green	Title: HSSE Coordinator		
Signature: Satt Sur	Date:		
garrett.green@exxonmobil.com email:	Telephone: 575-200-0729		
OCD Only			
Received by: Shelly Wells	Date: <u>8/25/2023</u>		
Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.			
Closure Approved by:	Date:		
Printed Name:	Title:		



August 25, 2023

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

Re: Closure Request

PLU Phantom Banks 25-25-30 Battery Incident Number NAPP2310044397 Eddy County, New Mexico

To Whom It May Concern:

Ensolum, LLC (Ensolum), on behalf of XTO Energy, Inc. (XTO), has prepared this *Closure Request* to document assessment, excavation, and soil sampling activities at the PLU Phantom Banks 25-25-30 Battery (Site). The purpose of the Site assessment, excavation, and soil sampling activities was to address impacts to soil following a crude oil release at the Site. Based on excavation activities and soil sample laboratory analytical results, XTO is submitting this *Closure Request*, describing remediation that has occurred and requesting closure for Incident Number NAPP2310044397.

SITE DESCRIPTION AND RELEASE SUMMARY

The Site is located in Unit N, Section 25, Township 25 South, Range 30 East, in Eddy County, New Mexico (32.09447°, -103.83633°) and is associated with oil and gas exploration and production operations on Federal Land managed by the Bureau of Land Management (BLM).

On April 1, 2023, the battery loaded up, which resulted in fluid escaping the flare and igniting on the pad surface. The fire was immediately extinguished and the well was shut in. The release caused approximately 0.35 barrels (bbls) of crude oil to be released to the ground surface with no fluids recovered following the release. XTO reported the release to the New Mexico Oil Conservation Division (NMOCD) on April 2, 2023, via email and on a Release Notification Form C-141 (Form C-141) on April 10, 2023. The release was assigned Incident Number NAPP2310044397.

SITE CHARACTERIZATION AND CLOSURE CRITERIA

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

Depth to groundwater at the Site is estimated to be greater than 100 feet below ground surface (bgs) based on the nearest groundwater well data. The closest permitted groundwater well with depth to groundwater data is the New Mexico Office of the State Engineer (OSE) well C-4498-POD1, located approximately 0.49 miles northwest of the Site. The depth to water boring was installed on February 24, 2021, to assess for the presence or absence of groundwater at or shallower than 100 feet bgs. The boring was drilled to a total depth of 109 feet bgs and allowed to equilibrate for at least 72 hours to allow for slow infill of water to enter the well, if present. Groundwater was not detected during drilling or after the 72-hour waiting period. As such, depth to water beneath the Site has been reasonably estimated to

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

XTO Energy, Inc Closure Request PLU Phantom Banks 25-25-30 Battery

be greater than 109 feet bgs. The Well Record and Log is included in Appendix A. All wells used to determine depth are presented on Figure 1.

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

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

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

A reclamation requirement of 600 mg/kg chloride and 100 mg/kg TPH was applied to the top 4 feet of the pasture/right-of-way (ROW) area of where the release extent occurred, per 19.15.29.13.D (1) NMAC.

SITE ASSESSMENT ACTIVITIES

On June 5, 2023, Site assessment activities were conducted to evaluate the release extent based on information provided on the Form C-141 and visual observations. Four delineation soil samples (SS01 through SS04) were collected around the release extent at a depth of 0.5 feet bgs to assess the lateral extent of the release. In addition, two potholes (PH01 and PH02) were advanced via backhoe within the release extent to a total depth of 1-foot bgs to assess the vertical extent of the release. All soil samples were field screened for volatile organic compounds (VOCs) utilizing a calibrated photoionization detector (PID) and chloride using Hach® chloride QuanTab® test strips. The release extent and soil sample locations were mapped utilizing a handheld Global Positioning System (GPS) unit and are depicted on Figure 2. Photo documentation was conducted during the Site visits and a photographic log is included in Appendix B. Descriptions of soil and field screening results for potholes PH01 and PH02 were logged on lithologic/soil sampling logs, which are 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 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. Soil samples delivered to the laboratory the same day they were collected may not have equilibrated to 6 degrees Celsius required for shipment and long-term storage but are considered to have been received in acceptable condition by the laboratory.

Laboratory analytical results for delineation samples SS01 through SS04 indicated concentrations of all COCs were in compliance with the Site Closure Criteria and reclamation requirement (strictest Closure

ENSOLUM

XTO Energy, Inc Closure Request PLU Phantom Banks 25-25-30 Battery

Criteria), confirming the lateral extent of the release. Laboratory analytical results for pothole PH01 indicated the aggregate of TPH-GRO and TPH-DRO exceeded the Closure Criteria at 0.5 feet bgs but was in compliance with the Closure Criteria and the strictest Closure Criteria in the sample collected at 1-foot bgs, confirming the vertical extent of the release. All COC concentrations in soil samples collected from pothole PH02 were in compliance with the Closure Criteria and the sample collected at 1-foot bgs was compliant with the strictest Closure Criteria. Based on the presence of impacted soil in pothole PH01, excavation activities appeared to be warranted.

EXCAVATION ACTIVITIES

On July 6, 2023, Ensolum personnel returned to the Site to oversee excavation of impacted soil in the vicinity of pothole PH01. TPH-impacted soil was excavated from the release area utilizing a backhoe and transport vehicles. To direct excavation activities, soil was field screened for VOCs and chloride. The final excavation extended to 1-foot bgs.

Following removal of the impacted soil, 5-point composite soil samples were collected every 200 square feet from the floor and sidewalls of the excavation. The 5-point composite samples were collected by placing five equivalent aliquots of soil into a 1-gallon, resealable plastic bag and homogenizing the samples by thoroughly mixing. Confirmation soil sample FS01 was collected from the floor of the excavation at a depth of 1-foot bgs and confirmation soil sample SW01 was collected from the sidewalls of the excavation at depths ranging from the ground surface to 1-foot bgs. All excavation confirmation soil samples collected were handled and analyzed following the same procedures as described above. The excavation extent and excavation confirmation soil sample locations are presented on Figure 3. Photographic documentation of the excavation is included in Appendix B.

Laboratory analytical results indicated all COC concentrations in soil samples FS01 and SW01 were in compliance with the Closure Criteria.

The final excavation extent measured approximately 165 square feet. A total of approximately 7 cubic yards of impacted soil was removed during excavation activities. The impacted soil was transported and properly disposed of at R360 Landfill Disposal Facility in Hobbs, New Mexico. After completion of confirmation sampling, the excavation area was secured with fencing. Laboratory analytical results are summarized in Table 1 and the complete laboratory analytical reports are included in Appendix D. Notification of sampling events are included in Appendix E.

CLOSURE REQUEST

Site assessment, delineation, and excavation activities were conducted at the Site to address April 2023 release of crude oil. Laboratory analytical results for all excavation soil samples collected from the final excavation extent and delineation activities indicated all COC concentrations were compliant with the Site Closure Criteria and/or reclamation requirement. Based on laboratory analytical results, no further remediation was required. XTO will backfill the excavation with caliche material and recontour the Site to match pre-existing Site conditions.

Excavation of soil has mitigated impacts at this Site. Depth to groundwater is confirmed to be greater than 100 feet bgs and no other sensitive receptors were identified near the release extent. XTO believes these remedial actions are protective of human health, the environment, and groundwater. As such, XTO respectfully requests closure for Incident Number NAPP2310044397.

XTO Energy, Inc Closure Request PLU Phantom Banks 25-25-30 Battery

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

Sincerely, **Ensolum, LLC**

Daniel R. Moir, PG

Senior Managing Geologist

cc: Garrett Green, XTO

Shelby Pennington, XTO

BLM

Ashley L. Ager, MS, PG Principal

Ashley L. Ager

Appendices:

Figure 1 Site Receptor Map

Figure 2 Delineation Soil Sample Locations
Figure 3 Excavation Soil Sample Locations
Table 1 Soil Sample Analytical Results
Appendix A Referenced Well Records

Appendix B Photographic Log

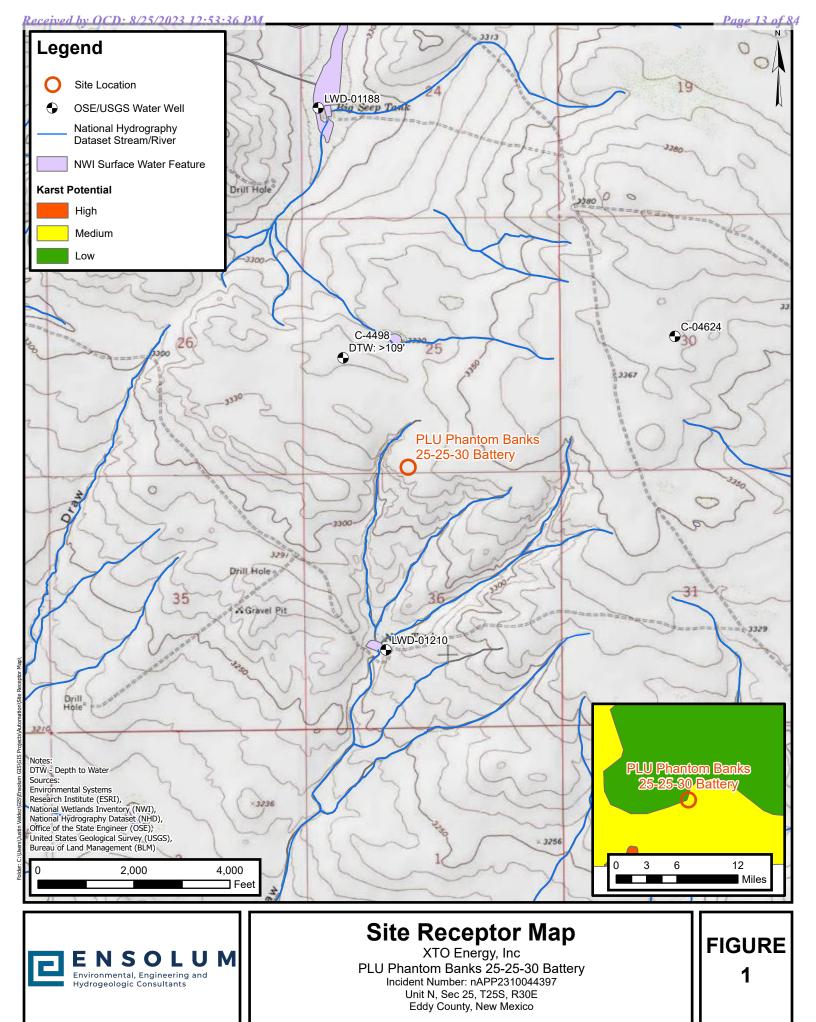
Appendix C Lithology Soil Sampling Logs

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

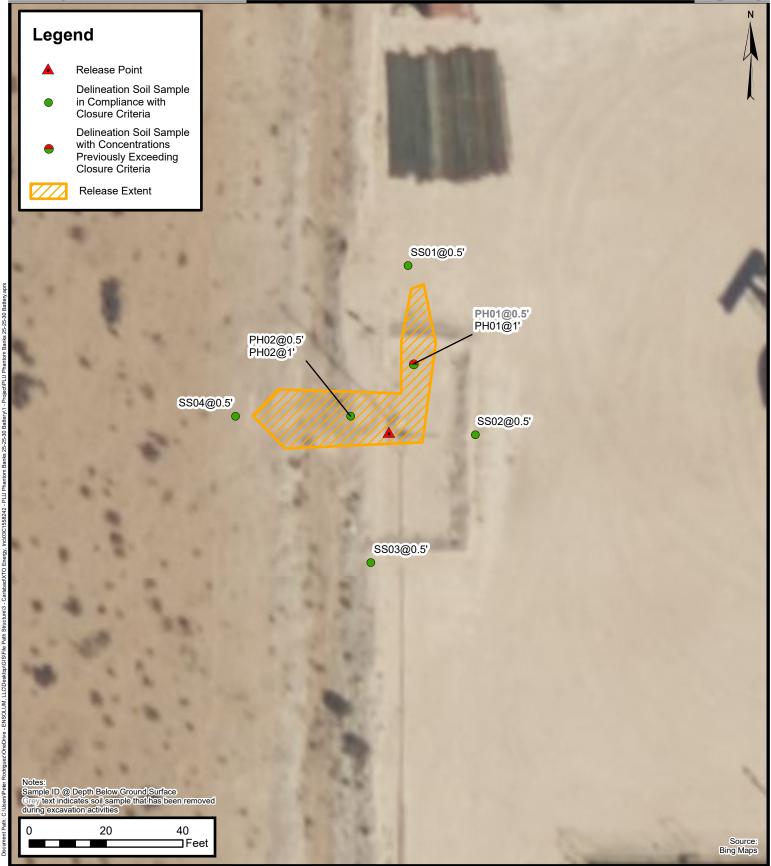
Appendix E NMOCD Notifications/Correspondence



FIGURES



Released to Imaging: 1/23/2024 10:04:12 AM





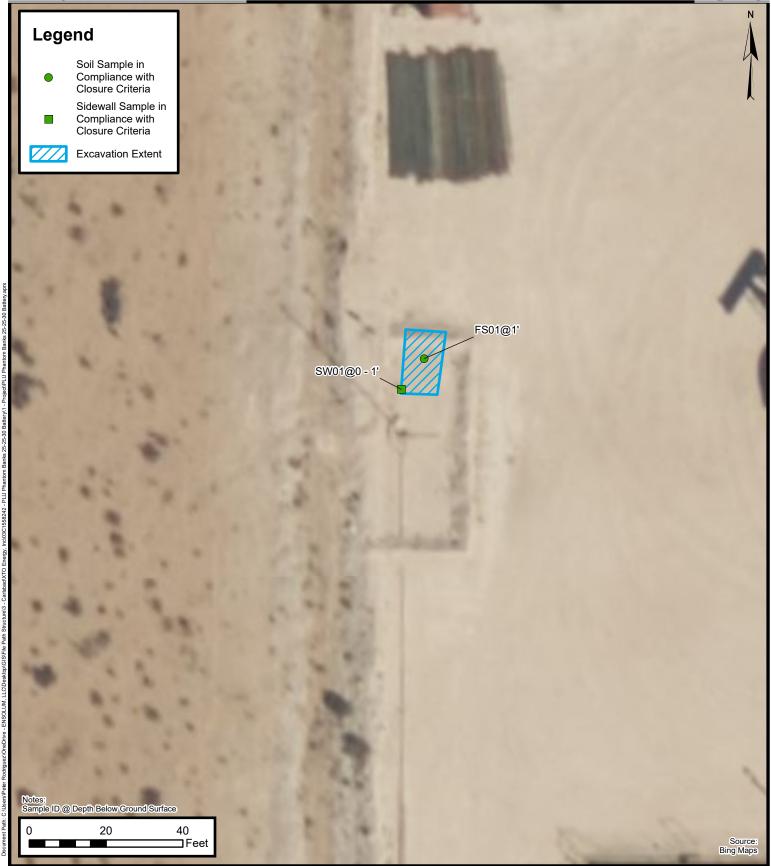
Delineation Soil Sample Locations

XTO Energy, Inc PLU Phantom Banks 25-25-30 Battery Incident Number: NAPP2310044397

Unit N Sec 25 T25S R30E Eddy County, New Mexico

FIGURE

2





Excavation Soil Sample Locations

XTO Energy, Inc PLU Phantom Banks 25-25-30 Battery Incident Number: NAPP2310044397

Unit N Sec 25 T25S R30E Eddy County, New Mexico

FIGURE 3



TABLES



TABLE 1 SOIL SAMPLE ANALYTICAL RESULTS PLU Phantom Banks 25-25-30 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 CI	losure Criteria (I	NMAC 19.15.29)	10	50	NE	NE	NE	1,000	2,500	20,000
	Delineation Soil Samples									
SS01	06/05/2023	0.5	<0.00198	< 0.00396	<49.9	<49.9	<49.9	<49.9	<49.9	234
SS02	06/05/2023	0.5	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	<49.9	187
SS03	06/05/2023	0.5	<0.00200	<0.00400	<50.0	<50.0	<50.0	<50.0	<50.0	170
SS04	06/05/2023	0.5	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	<50.0	32.9
PH01	06/05/2023	0.5	<0.00199	<0.00398	<49.9	1,960	<49.9	1,960	1,960	115
PH01A	06/05/2023	1	<0.00198	0.0407	<49.9	428	<49.9	428	428	173
PH02	06/05/2023	0.5	<0.00201	0.0116	<50.0	896	<50.0	896	896	38.1
PH02A	06/05/2023	1	<0.00200	<0.00401	<49.9	78.8	<49.9	78.8	78.8	42.2
				Exca	avation Soil Sar	nples				
FS01	07/06/2023	1	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	<49.9	163
SW01	07/06/2023	0 - 1	<0.00198	<0.00396	<49.8	844	<49.8	844	844	90.4

Notes:

bgs: below ground surface

mg/kg: milligrams per kilogram

NMOCD: New Mexico Oil Conservation Division

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

Concentrations in **bold** exceed the NMOCD Table I Closure Criteria or reclamation

requirement where applicable.

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

NMAC: New Mexico Administrative Code

Grey text indicates soil sample removed during excavation activities

Ensolum 1 of 1



APPENDIX A

Referenced Well Records

WELL TAG ID NO.



	OSE POD NO		0.)		WELL TAG ID NO.			OSE FILE NO	S).			
NO	POD1 (BI	H-01)			n/a			C-4498				
II	WELL OWNE	ER NAME(S	i)					PHONE (OPTIC	ONAL)			-
GENERAL AND WELL LOCATION	XTO Energ	gy (Kyle	Littrell)									
ננ	WELL OWNE	R MAILIN	G ADDRESS					CITY		STATE		ZIP
EL	6401 Holid	lay Hill D	Dr.					Midland		TX	79707	
₩ 0					· · · · · · · · · · · · · · · · · · ·			T				
AN	WELL		DE	GREES 32°	minutes 6'	SECOND 1.96'	•					
AL	LOCATIO	<u> </u>	TITUDE			1.50	N	!	REQUIRED: ONE TENT	H OF A	SECOND	
ER	(FROM GP	S) LC	NGITUDE	-103°	50'	26.19	" W	* DATUM REC	QUIRED: WGS 84			
E	DESCRIPTIO	ON RELATI	NG WELL LOCATION TO	STREET ADD	RESS AND COMMON	LANDMAR	RKS – PLS	S (SECTION, TO	WNSHJIP, RANGE) WH	ERE AV	AILABLE	
1.0	NW SW N	E Sec. 25	5 T25S R30E									
										.,		
	LICENSE NO		NAME OF LICENSED		Y1-1- 15 A41-1				NAME OF WELL DRI			
	124	19			Jackie D. Atkins				Atkins Eng	ineering	g Associates, I	nc.
	DRILLING ST		DRILLING ENDED		OMPLETED WELL (FT			LE DEPTH (FT)	DEPTH WATER FIRS			
	02/24/	2021	02/24/2021	tempo	rary well materia	և		109		n/a	l	
	001 MT TOD								STATIC WATER LEV			LL (FT)
Z	COMPLETED) WELL IS:	ARTESIAN	DRY HO	LE SHALLO	W (UNCON	FINED)			n/a	1	
OIT	DRILLING FI	LUID:	AIR	MUD	ADDITIV	ES – SPECII	FY:		•			
2. DRILLING & CASING INFORMATION	DRILLING M	ETHOD:	ROTARY	П намме	R CABLE TO	OOL	✓ OTHE	R – SPECIFY:	Hollo	w Sten	Auger	
FO	DEDELL	(f4 1 -1)	1	CASDIC	MATERIAL AND	VOD I			I	Γ		l
Z		(feet bgl)	BORE HOLE	CASING	GRADE	//OR		ASING	CASING		ING WALL	SLOT
N N	FROM	ТО	DIAM (inches)		each casing string,			NECTION YPE	INSIDE DIAM.	l	ICKNESS (inches)	SIZE (inches)
CAS			(inches)	note	note sections of screen) (add coupling diameter				(inches)			` ′
3	0	109	±6.5	ļ	Boring- HSA			-				
N.												
DR												
2.												
									7			
									USE DII MAR	1120)21 pm4: 26	
												ļ
				<u> </u>								
	DEPTH	(feet bgl)	BORE HOLE	T.	IST ANNULAR SE	EAL MAT	ERIAL A	AND	AMOUNT		метно	D OF
1	FROM	TO	DIAM. (inches)	II.	VEL PACK SIZE-				(cubic feet)		PLACEM	
RI.	TACOM	10		 					-			
ANNULAR MATERIAL												
ľ W				 								
[¥]												
N				<u> </u>	 					-		
										-+		
€.				1								
									<u> </u>			
FOR	OSE INTER								0 WELL RECORD	& LOG	(Version 06/3	0/17)
FILE	E NO	44	98 <u> </u>		POD NO	,		TRN	NO. 682	<u>52</u>	-8	
100	ATION	13	7 729	55 R	30E Sec	25		WELL TAG I	NO NA		PAGE	1 OF 2

				.								
	DEPTH (1	feet bgl)	THICKNESS (feet)	INCLUDE WAT	ND TYPE OF MATE ER-BEARING CAV pplemental sheets to	ITIES OI	R FRAC	TURE ZONES	5	WAT BEAR (YES	ING?	ESTIMATED YIELD FOR WATER- BEARING ZONES (gpm)
	0	34	34	Cal	liche, tan, no odor, no	o stain, gr	avel, dr	y		Y	√ N	
	34	40	6	1	, tan, no odor, no stai				T.	Y	√ N	
	40	56	16	sand, tan,	no odor, no stain, m	-f grain,	well sort	ed, dry		Y	√N	
	56	72	16	sandstone, low conso	lidation, tan, no odor	, no stain	, m-f gra	in, well sorted	, dry	Y	√N	
	72	79	7	sand, tan,	no odor, no stain, m	-f grain,	well sort	ted, dry		Y	√ N	
ا بر	79	109	30	sandstone, low - medi	um consolidation, tar	ı, no odo	, m-f gr	ained, well sor	ted, m	Y	√ N	
HYDROGEOLOGIC LOG OF WELL						<u> </u>				Y	N	
OF V										Y	N	
ě										Y	N	
<u>5</u>										Y	N	
ÖÇ										Y	N	
EOI										Y	N	
200										Y	N	
2									\neg	Y	N	
4 H										Y	N	
									\dashv	Y	N	
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									i	Y	N	
	METHOD U	ISED TO ES	I TIMATE YIELD	OF WATER-BEARIN	IG STRATA:			· ·	TOTA	L ESTIN		
	PUM		IR LIFT		THER – SPECIFY:					L YIELD		0.00
NO	WELL TES			TACH A COPY OF DA IME, AND A TABLE S								
VISION	MISCELLA	NEOUS INF	ORMATION: T	emporary well materi	als removed and the	he soil b	oring b	ackfilled usir	e drill	cuttings	from to	tal depth to ten
TEST; RIG SUPERV			fe	et below ground surf	ace, then hydrated	bentoni	te chips	from ten fee	t belov	v ground	surface	to surface.
C SI			L	ogs adapted from WS	or on-site geologis	τ.			a na	WGD 1	1 9/191	, PH4, 26
; RI								لموه كسبة	اران فيا السيا ^م	Late and T	ىلىمىئو°دىكىيىكى مىكد ،	a Partie de de la companya del la companya de la co
LESI	PRINT NAN	/E(S) OF DI	RILL RIG SUPE	RVISOR(S) THAT PRO	OVIDED ONSITE SU	UPERVI	SION OI	F WELL CON	STRUC	TION O	THER TH	IAN LICENSEE:
5. 7	Shane Eldri	dge										
URE	CORRECT	RECORD O	F THE ABOVE I	FIES THAT, TO THE I DESCRIBED HOLE AI 30 DAYS AFTER CON	ND THAT HE OR S	HE WIL	LFILE					
SIGNATURE	Jack K	Atkins		Ja	ackie D. Atkins					03/11	/2021	
6.	<u> </u>	SIGNAT	URE OF DRILLE	ER / PRINT SIGNEE	NAME						DATE	
	E NO.	NAL USE - 449'	y		POD NO.			TRN NO.	LL REC	ORD &	LOG (Ver	rsion 06/30/2017)
\vdash	CATION	1-27	o Tro	S R3DE	Sac 2.5	-	WET T		<u>UU</u>	1/A	-0	PAGE 2 OF 2
			<u> </u>		sec / J		WILL	TAG ID NO.		V / \		

John R. D Antonio, Jr., P.E. State Engineer



koswell Office 1900 WEST SECOND STREET ROSWELL, NM 88201

STATE OF NEW MEXICO OFFICE OF THE STATE ENGINEER

Trn Nbr:

682528

File Nbr:

C 04498

Well File Nbr: C 04498 POD1

Mar. 11, 2021

TACOMA MORRISEY WSP USA 3300 NORTH A STREET BLDG 1 #222 MIDLAND, TX 79705

Greetings:

The above numbered permit was issued in your name on 12/01/2020.

The Well Record was received in this office on 03/11/2021, stating that it had been completed on 02/24/2021, and was a dry well. The well is to be plugged according to 19.27.4.30 NMAC.

Please note that another well can be drilled under this permit if the well is completed and the well log filed on or before 12/01/2021.

If you have any questions, please feel free to contact us.

Andrew Dennis (575) 622 - 6521

drywell



APPENDIX B

Photographic Log



Photographic Log
XTO Energy, Inc
PLU Phantom Banks 25-25-30 Battery
Incident Number NAPP2310044397





Photograph 1 Date: June 5, 2023

Flare and stained soil north and west of the

Description: flare
View: South

Photograph 2 Date: June 5, 2023
Flare and stained soil north and west of the

Description: flare View: North





Photograph 3 Date: July 6, 2023

Description: Excavation in the vicinity of pothole PH01

View: Northeast

Photograph 4 Date: July 6, 2023

Description: Another view of excavation

View: Northwest



APPENDIX C

Lithologic Soil Sampling Logs

							Sample Name: PH01	Date: 6/5/2023
			6	$oldsymbol{1}$		8.4	Site Name: PLU Phantom Banks 25	
		N	3	OL	_ U	IVI	Incident Number: NAPP231004439	
							Job Number: 03C1558242	
	LITHOL	OGIO	C / SOIL S	SAMPLING	LOG		Logged By: MO	Method: backhoe
Coordinates:			,				Hole Diameter:	Total Depth: 1 foot
		_					PID for chloride and vapor, respect factors included.	
Moisture Content Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Des	scriptions
dry <174 dry <174	0 0	n n	PH01 PH01A	1'	0 - 1 - 2 - 3 - 4 - 5 - 6 - 7 - 8 - 9 - 10 - 11 - 11 - 11	cche	caliche, fg-cg sand, gravel, g staining or odor TD - 1 foot bgs	rayish-brown, dry, no

								Sample Name: PH02	Date: 6/5/2023
							R.A	Site Name: PLU Phantom Banks 25	
			N	3	OL	. U	IVI	Incident Number: NAPP23100443	
								Job Number: 03C1558242	
		LITHOL	OGI	C / SOIL S	AMPLING	LOG		Logged By: MO	Method: backhoe
Coord	inates:			-				Hole Diameter:	Total Depth: 1 foot
Comm	ents: Fie	ld screen	ing co	nducted w	ith HACH Ch	loride Test S	Strips and	PID for chloride and vapor, respect	ively. Chloride test
								actors included.	·
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Des	scriptions
	474			51100	<u> </u>	0	c n		
dry	<174	0	n	PH02	0.5'	_	SP	Sand, vf-fg sand, brown, dry	, no odor or staining
dry	<174	0	n	PH02A	1'	_ 1		TD - 1 foot bgs	
					-	_			
						2			
					-	-			
					7	-			
					<u> </u>	3			
					4	- -			
						4			
					4	•			
					1	<u>-</u>			
					-	5			
						-			
					1	6			
					4				
					4	_			
					4	7			
					<u>-</u>	_			
					7	8			
						_			
					4	-			
						9			
					+	-			
						-			
					+	10			
						<u>-</u>			
					+	11			
					7	•			
					-	<u>-</u>			
						12			



APPENDIX D

Laboratory Analytical Reports & Chain of Custody Documentation

ANALYTICAL REPORT

PREPARED FOR

Attn: Ben Belill

Ensolum

601 N. Marienfeld St.

Suite 400

Midland, Texas 79701

Generated 6/12/2023 3:15:08 PM

JOB DESCRIPTION

PLU Phantom Banks 25-25-30 Battery SDG NUMBER 03C1558242

JOB NUMBER

890-4780-1

Eurofins Carlsbad 1089 N Canal St. Carlsbad NM 88220



Eurofins Carlsbad

Job Notes

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

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

Authorization

Generated 6/12/2023 3:15:08 PM

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

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

Client: Ensolum Project/Site: PLU Phantom Banks 25-25-30 Battery Laboratory Job ID: 890-4780-1 SDG: 03C1558242

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Definitions/Glossary

Job ID: 890-4780-1 Client: Ensolum Project/Site: PLU Phantom Banks 25-25-30 Battery SDG: 03C1558242

Qualifiers

GC VOA

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

GC Semi VOA

Qualifier **Qualifier Description** LCS and/or LCSD is outside acceptance limits, low biased. S1-Surrogate recovery exceeds control limits, low biased. Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier **Qualifier Description** U

Indicates the analyte was analyzed for but not detected.

Glossary

DLC

Abbreviation These commonly used abbreviations may or may not be present in this report. ¤ Listed under the "D" column to designate that the result is reported on a dry weight basis %R Percent Recovery CFL Contains Free Liquid CFU Colony Forming Unit Contains No Free Liquid **CNF** Duplicate Error Ratio (normalized absolute difference) DER Dil Fac **Dilution Factor** Detection Limit (DoD/DOE) DL, RA, RE, IN Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample

EDL Estimated Detection Limit (Dioxin) LOD LOQ

Limit of Detection (DoD/DOE) Limit of Quantitation (DoD/DOE) MCL

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

Decision Level Concentration (Radiochemistry)

Method Detection Limit MDL ML Minimum Level (Dioxin) MPN Most Probable Number MOI Method Quantitation Limit NC Not Calculated

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

NEG Negative / Absent POS Positive / Present **Practical Quantitation Limit PQL**

PRES Presumptive **Quality Control** QC

Relative Error Ratio (Radiochemistry) **RER**

Reporting Limit or Requested Limit (Radiochemistry) RL

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

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

TNTC Too Numerous To Count

Eurofins Carlsbad

Case Narrative

Client: Ensolum

Project/Site: PLU Phantom Banks 25-25-30 Battery

Job ID: 890-4780-1

SDG: 03C1558242

Job ID: 890-4780-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative 890-4780-1

Receipt

The samples were received on 6/5/2023 4:39 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 5.6°C

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: PH01 (890-4780-1), PH01A (890-4780-2), PH02 (890-4780-3), PH02A (890-4780-4), SS01 (890-4780-5), SS02 (890-4780-6), SS03 (890-4780-7) and SS04 (890-4780-8).

GC VOA

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-55034 and analytical batch 880-55086 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 8021B: Surrogate recovery for the following sample was outside control limits: (LCSD 880-55034/2-A). Evidence of matrix interferences is not obvious.

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

GC Semi VOA

Method 8015MOD_NM: The laboratory control sample (LCS) associated with preparation batch 880-55008 and analytical batch 880-55080 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

Method 8015MOD NM: Surrogate recovery for the following sample was outside control limits: PH01 (890-4780-1). Evidence of matrix interferences is not obvious.

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

HPLC/IC

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

Client Sample Results

Client: Ensolum Job ID: 890-4780-1 Project/Site: PLU Phantom Banks 25-25-30 Battery SDG: 03C1558242

Lab Sample ID: 890-4780-1 **Client Sample ID: PH01** Date Collected: 06/05/23 09:20

Date Received: 06/05/23 16:39 Sample Depth: 0.5'

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		06/08/23 12:22	06/10/23 09:39	1
Toluene	<0.00199	U	0.00199	mg/Kg		06/08/23 12:22	06/10/23 09:39	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		06/08/23 12:22	06/10/23 09:39	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		06/08/23 12:22	06/10/23 09:39	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		06/08/23 12:22	06/10/23 09:39	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		06/08/23 12:22	06/10/23 09:39	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130			06/08/23 12:22	06/10/23 09:39	1
1,4-Difluorobenzene (Surr)	111		70 - 130			06/08/23 12:22	06/10/23 09:39	1
Method: TAL SOP Total BTEX	- Total BTEX Cald	culation						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	П	0.00398	mg/Kg			06/10/23 18:16	1

Method: SW846 8015 NM - Diesel F	Range Organic	s (DRO) (G	C)		Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result C	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac						
Total TPH	1960		49.9	mg/Kg			06/09/23 16:20	1						

Method: SW846 8015B NM - Dies	sei Range Orga	inics (DRO)	(GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.9	U	49.9	mg/Kg		06/08/23 08:45	06/09/23 13:18	1
(GRO)-C6-C10								
Diesel Range Organics (Over	1960	*_	49.9	mg/Kg		06/08/23 08:45	06/09/23 13:18	1
C10-C28)								
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		06/08/23 08:45	06/09/23 13:18	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	85		70 - 130			06/08/23 08:45	06/09/23 13:18	1
o-Ternhenyl	.3	S1-	70 130			06/08/23 08:45	06/09/23 13:18	1

Method: EPA 300.0 - Anions, Ion C	hromatography - Soluble						
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	115	5.00	mg/Kg			06/07/23 16:39	1

Client Sample ID: PH01A Lab Sample ID: 890-4780-2

Date Collected: 06/05/23 10:15 Date Received: 06/05/23 16:39

Sample Depth: 1'

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198	mg/Kg		06/08/23 12:22	06/10/23 10:00	1
Toluene	<0.00198	U	0.00198	mg/Kg		06/08/23 12:22	06/10/23 10:00	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		06/08/23 12:22	06/10/23 10:00	1
m-Xylene & p-Xylene	<0.00396	U	0.00396	mg/Kg		06/08/23 12:22	06/10/23 10:00	1
o-Xylene	0.0407		0.00198	mg/Kg		06/08/23 12:22	06/10/23 10:00	1
Xylenes, Total	0.0407		0.00396	mg/Kg		06/08/23 12:22	06/10/23 10:00	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130			06/08/23 12:22	06/10/23 10:00	1

Eurofins Carlsbad

Matrix: Solid

Client Sample Results

Client: Ensolum Job ID: 890-4780-1 Project/Site: PLU Phantom Banks 25-25-30 Battery SDG: 03C1558242

Client Sample ID: PH01A Lab Sample ID: 890-4780-2

Date Collected: 06/05/23 10:15 Date Received: 06/05/23 16:39

Sample Depth: 1'

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

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	92	70 - 130	06/08/23 12:22	06/10/23 10:00	1

Method: TAL SOP Total BTEX	- Total BTEX Calculation						
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0407	0.00396	ma/Ka			06/10/23 18:16	

Method: SW846 8015 NM - Diesel F	Range Organics ((DRO) (GC)					
Analyte	Result Qua	alifier RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	428	49.9	mg/Kg			06/09/23 16:20	1

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		06/08/23 08:45	06/09/23 13:39	1
Diesel Range Organics (Over C10-C28)	428	*-	49.9	mg/Kg		06/08/23 08:45	06/09/23 13:39	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		06/08/23 08:45	06/09/23 13:39	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac

Carrogato	7011COOTCIY Qualifici			. repared	rinaryzou	D.1. 1 40	
1-Chlorooctane	87	70 - 130	06	6/08/23 08:45	06/09/23 13:39	1	
o-Terphenyl	88	70 - 130	06	6/08/23 08:45	06/09/23 13:39	1	
Mothod: EBA 200.0 Aniono Jon C	hromotography Coluble						

Method: EPA 300.0 - Anions, Ion C	hromatograp	hy - Soluble	•					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	173		5.01	mg/Kg			06/07/23 16:44	1

Lab Sample ID: 890-4780-3 **Client Sample ID: PH02** Date Collected: 06/05/23 09:25 Matrix: Solid

Date Received: 06/05/23 16:39

Sample Depth: 0.5'

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

•		,					
Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
<0.00201	U	0.00201	mg/Kg		06/08/23 12:22	06/10/23 10:20	1
0.00205		0.00201	mg/Kg		06/08/23 12:22	06/10/23 10:20	1
<0.00201	U	0.00201	mg/Kg		06/08/23 12:22	06/10/23 10:20	1
<0.00402	U	0.00402	mg/Kg		06/08/23 12:22	06/10/23 10:20	1
0.00958		0.00201	mg/Kg		06/08/23 12:22	06/10/23 10:20	1
0.00958		0.00402	mg/Kg		06/08/23 12:22	06/10/23 10:20	1
%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
79		70 - 130			06/08/23 12:22	06/10/23 10:20	1
94		70 - 130			06/08/23 12:22	06/10/23 10:20	1
	Result <0.00201 0.00205 <0.00201 <0.00402 0.00958 0.00958 %Recovery 79	Result Qualifier	<0.00201	Result Qualifier RL Unit <0.00201	Result Qualifier RL Unit D <0.00201	Result Qualifier RL Unit D Prepared <0.00201	Result Qualifier RL Unit D Prepared Analyzed <0.00201

1,4-Difluorobenzene (Surr)	94	70 - 130	06/08/23 12:22	06/10/23 10:20	1
Method: TAL SOP Total BTEX - Total BTEX	Calculation				

Analyte	Result Qua	alifier RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0116	0.00402	mg/Kg			06/10/23 18:16	1
Г							

Method: SW846 8015 NM - Diesel F	Range Organics (DRO) (GO	C)					
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	896	50.0	mg/Kg			06/09/23 16:20	1

Eurofins Carlsbad

Matrix: Solid

Lab Sample ID: 890-4780-3

Client Sample Results

Client: Ensolum Job ID: 890-4780-1 Project/Site: PLU Phantom Banks 25-25-30 Battery SDG: 03C1558242

Client Sample ID: PH02

Date Collected: 06/05/23 09:25 Date Received: 06/05/23 16:39

Sample Depth: 0.5'

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0	mg/Kg		06/08/23 08:45	06/09/23 14:01	1
(GRO)-C6-C10		_	50.0	m = /// =		06/08/23 08:45	06/09/23 14:01	1
Diesel Range Organics (Over C10-C28)	896	^ -	50.0	mg/Kg		00/00/23 00.45	06/09/23 14:01	ı
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		06/08/23 08:45	06/09/23 14:01	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	90		70 - 130			06/08/23 08:45	06/09/23 14:01	1
o-Terphenyl	89		70 - 130			06/08/23 08:45	06/09/23 14:01	1

Method: EPA 300.0 - Anions, Ion Cl	hromatography - Soluble						
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	38.1	5.04	mg/Kg			06/07/23 16:50	1

Lab Sample ID: 890-4780-4 Client Sample ID: PH02A

Date Collected: 06/05/23 10:20 Date Received: 06/05/23 16:39

Sample Depth: 1'

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		06/08/23 12:22	06/10/23 10:41	1
Toluene	<0.00200	U	0.00200	mg/Kg		06/08/23 12:22	06/10/23 10:41	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		06/08/23 12:22	06/10/23 10:41	1
m-Xylene & p-Xylene	<0.00401	U	0.00401	mg/Kg		06/08/23 12:22	06/10/23 10:41	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		06/08/23 12:22	06/10/23 10:41	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		06/08/23 12:22	06/10/23 10:41	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 - 130			06/08/23 12:22	06/10/23 10:41	1
1,4-Difluorobenzene (Surr)	80		70 - 130			06/08/23 12:22	06/10/23 10:41	1
Method: TAL SOP Total BTEX - T	otal BTEX Cald	culation						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401	mg/Kg			06/10/23 18:16	1
Method: SW846 8015 NM - Diese	l Range Organ	ics (DRO) (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	78.8		49.9	mg/Kg			06/09/23 16:20	1
Method: SW846 8015B NM - Dies	el Range Orga	nics (DRO)	(GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		06/08/23 08:45	06/09/23 14:22	1
Diesel Range Organics (Over C10-C28)	78.8	*_	49.9	mg/Kg		06/08/23 08:45	06/09/23 14:22	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		06/08/23 08:45	06/09/23 14:22	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130			06/08/23 08:45	06/09/23 14:22	1
o-Terphenyl	100		70 - 130			06/08/23 08:45	06/09/23 14:22	1

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Lab Sample ID: 890-4780-4

Client Sample Results

Client: Ensolum Job ID: 890-4780-1 Project/Site: PLU Phantom Banks 25-25-30 Battery SDG: 03C1558242

Client Sample ID: PH02A

Date Collected: 06/05/23 10:20 Date Received: 06/05/23 16:39

Sample Depth: 1'

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	42.2		4.98	mg/Kg			06/07/23 16:55	1	

Client Sample ID: SS01 Lab Sample ID: 890-4780-5 Matrix: Solid

Date Collected: 06/05/23 10:35 Date Received: 06/05/23 16:39

Method: SW846 8021B - Volatile Analyte	•	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0.00198	U	0.00198	 mg/Kg		06/08/23 12:22	06/10/23 11:01	
Toluene	<0.00198	U	0.00198	mg/Kg		06/08/23 12:22	06/10/23 11:01	
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		06/08/23 12:22	06/10/23 11:01	
m-Xylene & p-Xylene	<0.00396	U	0.00396	mg/Kg		06/08/23 12:22	06/10/23 11:01	
o-Xylene	<0.00198	U	0.00198	mg/Kg		06/08/23 12:22	06/10/23 11:01	
Xylenes, Total	<0.00396	U	0.00396	mg/Kg		06/08/23 12:22	06/10/23 11:01	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	98		70 - 130			06/08/23 12:22	06/10/23 11:01	
1,4-Difluorobenzene (Surr)	72		70 - 130			06/08/23 12:22	06/10/23 11:01	
Method: TAL SOP Total BTEX - ⁻	Total BTEX Cald	culation						
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Total BTEX	<0.00396	U	0.00396	mg/Kg			06/10/23 18:16	
: Method: SW846 8015 NM - Diese		, ,,	•					
Method: SW846 8015 NM - Diese Analyte	Result	Qualifier	RL	Unit	<u>D</u>	Prepared	Analyzed	
: Method: SW846 8015 NM - Diese		Qualifier	•		<u>D</u>	Prepared	Analyzed 06/09/23 16:20	
Method: SW846 8015 NM - Diese Analyte	Result <49.9	Qualifier U	RL 49.9	Unit	<u>D</u>	Prepared		
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte	Result <49.9	Qualifier U	RL 49.9	Unit mg/Kg	<u>D</u>	Prepared Prepared		
Method: SW846 8015 NM - Diese Analyte Total TPH	Result <49.9	Qualifier U	RL 49.9 (GC)	Unit mg/Kg			06/09/23 16:20	Dil Fa
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics	Result <49.9 sel Range Orga Result	Qualifier U nics (DRO) Qualifier U	RL 49.9 (GC)	Unit mg/Kg		Prepared	06/09/23 16:20 Analyzed	Dil Fa
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result <49.9 sel Range Orga Result <49.9	Qualifier U nics (DRO) Qualifier U U *-	RL 49.9 (GC) RL 49.9	Unit mg/Kg Unit mg/Kg		Prepared 06/08/23 08:45	06/09/23 16:20 Analyzed 06/09/23 14:44	Dil Fa
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result	Qualifier U nics (DRO) Qualifier U U *-	RL 49.9 (GC) RL 49.9 49.9	Unit mg/Kg Unit mg/Kg mg/Kg		Prepared 06/08/23 08:45 06/08/23 08:45	06/09/23 16:20 Analyzed 06/09/23 14:44 06/09/23 14:44	Dil Fa
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate	Result	Qualifier U nics (DRO) Qualifier U U *-	RL 49.9 (GC) RL 49.9 49.9 49.9	Unit mg/Kg Unit mg/Kg mg/Kg		Prepared 06/08/23 08:45 06/08/23 08:45	Analyzed 06/09/23 14:44 06/09/23 14:44	Dil Fa
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	Result	Qualifier U nics (DRO) Qualifier U U *-	RL 49.9 (GC) RL 49.9 49.9 49.9 Limits	Unit mg/Kg Unit mg/Kg mg/Kg		Prepared 06/08/23 08:45 06/08/23 08:45 06/08/23 08:45 Prepared	Analyzed 06/09/23 14:44 06/09/23 14:44 Analyzed	Dil Fa
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Surrogate 1-Chlorooctane	Result	Qualifier U nics (DRO) Qualifier U U *- U Qualifier	RL 49.9 (GC) RL 49.9 49.9 49.9 Limits 70 - 130 70 - 130	Unit mg/Kg Unit mg/Kg mg/Kg		Prepared 06/08/23 08:45 06/08/23 08:45 06/08/23 08:45 Prepared 06/08/23 08:45	Analyzed 06/09/23 14:44 06/09/23 14:44 Analyzed 06/09/23 14:44	Dil Fa
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl	Result	Qualifier U nics (DRO) Qualifier U U *- U Qualifier	RL 49.9 (GC) RL 49.9 49.9 49.9 Limits 70 - 130 70 - 130	Unit mg/Kg Unit mg/Kg mg/Kg		Prepared 06/08/23 08:45 06/08/23 08:45 06/08/23 08:45 Prepared 06/08/23 08:45	Analyzed 06/09/23 14:44 06/09/23 14:44 Analyzed 06/09/23 14:44	Dil Fa

Client Sample Results

Client: Ensolum Job ID: 890-4780-1
Project/Site: PLU Phantom Banks 25-25-30 Battery SDG: 03C1558242

Client Sample ID: SS02

Lab Sample ID: 890-4780-6

Date Collected: 06/05/23 11:30

Matrix: Solid

Date Collected: 06/05/23 11:30 Date Received: 06/05/23 16:39

Sample Depth: 0.5'

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		06/08/23 12:22	06/10/23 11:22	1
Toluene	< 0.00199	U	0.00199	mg/Kg		06/08/23 12:22	06/10/23 11:22	1
Ethylbenzene	< 0.00199	U	0.00199	mg/Kg		06/08/23 12:22	06/10/23 11:22	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		06/08/23 12:22	06/10/23 11:22	1
o-Xylene	< 0.00199	U	0.00199	mg/Kg		06/08/23 12:22	06/10/23 11:22	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		06/08/23 12:22	06/10/23 11:22	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130			06/08/23 12:22	06/10/23 11:22	1
1,4-Difluorobenzene (Surr)	78		70 - 130			06/08/23 12:22	06/10/23 11:22	1
Method: TAL SOP Total BTEX - 1	Total BTEX Cald	culation						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			06/10/23 18:16	1
Method: SW846 8015 NM - Diese	•		•					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Analyte	•	Qualifier	•		<u>D</u>	Prepared	Analyzed 06/12/23 13:36	
Analyte Total TPH	Result <49.9	Qualifier U	49.9	Unit	<u>D</u>	Prepared		
Analyte Total TPH Method: SW846 8015B NM - Dies	Result <49.9 sel Range Orga	Qualifier U	49.9	Unit	D	Prepared Prepared		1
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte	Result <49.9 sel Range Orga	Qualifier Unics (DRO) Qualifier	RL 49.9	Unit mg/Kg			06/12/23 13:36	1 Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10	Result <49.9 sel Range Orga Result <49.9	Qualifier U nics (DRO) Qualifier U	(GC) RL 49.9	Unit mg/Kg Unit mg/Kg		Prepared 06/08/23 08:45	06/12/23 13:36 Analyzed 06/09/23 15:29	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result <49.9 sel Range Orga Result <49.9	Qualifier Unics (DRO) Qualifier	RL 49.9 (GC)	Unit mg/Kg		Prepared	06/12/23 13:36 Analyzed	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result <49.9	Qualifier U nics (DRO) Qualifier U U *-	RL 49.9 (GC) RL 49.9	Unit mg/Kg Unit mg/Kg mg/Kg		Prepared 06/08/23 08:45 06/08/23 08:45	06/12/23 13:36 Analyzed 06/09/23 15:29 06/09/23 15:29	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result <49.9 sel Range Orga Result <49.9	Qualifier U nics (DRO) Qualifier U U *-	(GC) RL 49.9	Unit mg/Kg Unit mg/Kg		Prepared 06/08/23 08:45	06/12/23 13:36 Analyzed 06/09/23 15:29	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result <49.9	Qualifier U nics (DRO) Qualifier U U *-	RL 49.9 (GC) RL 49.9	Unit mg/Kg Unit mg/Kg mg/Kg		Prepared 06/08/23 08:45 06/08/23 08:45	06/12/23 13:36 Analyzed 06/09/23 15:29 06/09/23 15:29	1 Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	Result	Qualifier U nics (DRO) Qualifier U U *-	RL 49.9 (GC) RL 49.9 49.9	Unit mg/Kg Unit mg/Kg mg/Kg		Prepared 06/08/23 08:45 06/08/23 08:45	06/12/23 13:36 Analyzed 06/09/23 15:29 06/09/23 15:29	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate	Result <49.9	Qualifier U nics (DRO) Qualifier U U *-	RL 49.9 (GC) RL 49.9 49.9 Limits	Unit mg/Kg Unit mg/Kg mg/Kg		Prepared 06/08/23 08:45 06/08/23 08:45 06/08/23 08:45 Prepared	Analyzed 06/09/23 15:29 06/09/23 15:29 06/09/23 15:29 Analyzed	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Surrogate 1-Chlorooctane	Result <49.9	Qualifier U nics (DRO) Qualifier U U*- U Qualifier	RL 49.9 (GC) RL 49.9 49.9 49.9 Limits 70 - 130 70 - 130	Unit mg/Kg Unit mg/Kg mg/Kg		Prepared 06/08/23 08:45 06/08/23 08:45 06/08/23 08:45 Prepared 06/08/23 08:45	Analyzed 06/09/23 15:29 06/09/23 15:29 06/09/23 15:29 Analyzed 06/09/23 15:29	Dil Fac 1 1 Dil Fac 1 Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl	Result	Qualifier U nics (DRO) Qualifier U U*- U Qualifier	RL 49.9 (GC) RL 49.9 49.9 49.9 Limits 70 - 130 70 - 130	Unit mg/Kg Unit mg/Kg mg/Kg		Prepared 06/08/23 08:45 06/08/23 08:45 06/08/23 08:45 Prepared 06/08/23 08:45	Analyzed 06/09/23 15:29 06/09/23 15:29 06/09/23 15:29 Analyzed 06/09/23 15:29	Dil Fac 1 1 Dil Fac

Client Sample ID: SS03 Lab Sample ID: 890-4780-7

Date Collected: 06/05/23 10:55

Date Received: 06/05/23 16:39

Sample Depth: 0.5'

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		06/08/23 12:22	06/10/23 11:42	1
Toluene	<0.00200	U	0.00200	mg/Kg		06/08/23 12:22	06/10/23 11:42	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		06/08/23 12:22	06/10/23 11:42	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		06/08/23 12:22	06/10/23 11:42	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		06/08/23 12:22	06/10/23 11:42	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		06/08/23 12:22	06/10/23 11:42	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		70 - 130			06/08/23 12:22	06/10/23 11:42	

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Matrix: Solid

1

2

4

6

8

10

12

Client: Ensolum

Job ID: 890-4780-1

Project/Site: PLU Phantom Banks 25-25-30 Battery SDG: 03C1558242

Client Sample ID: SS03 Lab Sample ID: 890-4780-7 Date Collected: 06/05/23 10:55 **Matrix: Solid**

Date Received: 06/05/23 16:39 Sample Depth: 0.5'

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

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
1 4-Difluorobenzene (Surr)	7.3	70 130	06/08/23 12:22	06/10/23 11:42	1

Method: TAL SOP Total BTEX - Tot	al BTEX Cald	culation						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Total BTEX	<0.00400	U	0.00400	mg/Kg			06/10/23 18:16	

Method: SW846 8015 NM - Diesel F	Range Organi	ics (DRO) (0	GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			06/12/23 13:36	1

Method: SW846 8015B NM - Dies Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0		50.0	mg/Kg		06/08/23 08:45	06/09/23 15:51	1
Diesel Range Organics (Over C10-C28)	<50.0	U *-	50.0	mg/Kg		06/08/23 08:45	06/09/23 15:51	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		06/08/23 08:45	06/09/23 15:51	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac

Surrogate	%Recovery Quaimer	Limits	Prepared	Analyzea	DII Fac
1-Chlorooctane	87	70 - 130	06/08/23 08:4	45 06/09/23 15:51	1
o-Terphenyl	89	70 - 130	06/08/23 08:4	45 06/09/23 15:51	1
Method: EPA 300 0 - Anions Jon C	hromatography - Solubl	۵			

Welliou. LFA 300.0 - Allions, Ion C	momatograp	ily - Soluble	7					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	170		4.96	mg/Kg			06/07/23 17:33	1

Client Sample ID: SS04 Lab Sample ID: 890-4780-8 Date Collected: 06/05/23 11:05 **Matrix: Solid**

Date Received: 06/05/23 16:39

Sample Depth: 0.5'

Method: SW846 8021B - Volati	ile Organic Comp	ounds (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		06/08/23 12:22	06/10/23 13:05	1
Toluene	<0.00201	U	0.00201	mg/Kg		06/08/23 12:22	06/10/23 13:05	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		06/08/23 12:22	06/10/23 13:05	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	mg/Kg		06/08/23 12:22	06/10/23 13:05	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		06/08/23 12:22	06/10/23 13:05	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		06/08/23 12:22	06/10/23 13:05	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 - 130			06/08/23 12:22	06/10/23 13:05	1
1,4-Difluorobenzene (Surr)	81		70 - 130			06/08/23 12:22	06/10/23 13:05	1
Method: TAL SOP Total BTEX	- Total BTEX Cald	culation						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			06/10/23 18:16	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC) Analyte Result Qualifier RL Unit Prepared Analyzed Dil Fac Total TPH <50.0 U 50.0 mg/Kg 06/12/23 13:36

Client Sample Results

Client: Ensolum Job ID: 890-4780-1 Project/Site: PLU Phantom Banks 25-25-30 Battery SDG: 03C1558242

Client Sample ID: SS04

32.9

Lab Sample ID: 890-4780-8 Date Collected: 06/05/23 11:05 Matrix: Solid

Date Received: 06/05/23 16:39

Sample Depth: 0.5'

Chloride

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		06/08/23 08:45	06/09/23 16:13	1
Diesel Range Organics (Over C10-C28)	<50.0	U *-	50.0	mg/Kg		06/08/23 08:45	06/09/23 16:13	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		06/08/23 08:45	06/09/23 16:13	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	85		70 - 130			06/08/23 08:45	06/09/23 16:13	1
o-Terphenyl	87		70 - 130			06/08/23 08:45	06/09/23 16:13	1
Method: EPA 300.0 - Anions, Ion	Chromatograp	hy - Solubl	e					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac

5.00

mg/Kg

06/07/23 17:39

Surrogate Summary

Client: Ensolum
Project/Site: PLU Phantom Banks 25-25-30 Battery
SDG: 03C1558242

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid Prep Type: Total/NA

				Percent Surrogate Recovery (Acceptance Limits
		BFB1	DFBZ1	
_ab Sample ID	Client Sample ID	(70-130)	(70-130)	
380-29060-A-8-C MS	Matrix Spike	86	113	
880-29060-A-8-D MSD	Matrix Spike Duplicate	110	102	
390-4780-1	PH01	99	111	
390-4780-2	PH01A	102	92	
390-4780-3	PH02	79	94	
390-4780-4	PH02A	92	80	
390-4780-5	SS01	98	72	
390-4780-6	SS02	95	78	
390-4780-7	SS03	90	73	
90-4780-8	SS04	92	81	
CS 880-55034/1-A	Lab Control Sample	100	114	
CSD 880-55034/2-A	Lab Control Sample Dup	66 S1-	109	
/IB 880-54980/5-A	Method Blank	73	94	
MB 880-55034/5-A	Method Blank	76	94	
Surrogate Legend				
BFB = 4-Bromofluorober	nzene (Surr)			

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

Matrix: Solid Prep Type: Total/NA

				Percent Surrogate Recovery (Acceptance Limits)
		1CO1	OTPH1	
ab Sample ID	Client Sample ID	(70-130)	(70-130)	
90-4780-1	PH01	85	3 S1-	
90-4780-2	PH01A	87	88	
90-4780-3	PH02	90	89	
90-4780-4	PH02A	97	100	
90-4780-5	SS01	87	90	
90-4780-6	SS02	86	88	
90-4780-7	SS03	87	89	
90-4780-8	SS04	85	87	
90-4783-A-11-E MS	Matrix Spike	99	96	
90-4783-A-11-F MSD	Matrix Spike Duplicate	100	94	
CS 880-55008/2-A	Lab Control Sample	88	85	
CSD 880-55008/3-A	Lab Control Sample Dup	87	85	
1B 880-55008/1-A	Method Blank	113	120	

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

Client: Ensolum Job ID: 890-4780-1 Project/Site: PLU Phantom Banks 25-25-30 Battery SDG: 03C1558242

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-54980/5-A

Lab Sample ID: MB 880-55034/5-A

Analysis Batch: 55086

Matrix: Solid

Client	Sample	ID:	Method	Blank
	•			

Prep Type: Total/NA

Prep Batch: 54980

	MB	MB						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		06/07/23 13:56	06/09/23 21:41	1
Toluene	<0.00200	U	0.00200	mg/Kg		06/07/23 13:56	06/09/23 21:41	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		06/07/23 13:56	06/09/23 21:41	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		06/07/23 13:56	06/09/23 21:41	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		06/07/23 13:56	06/09/23 21:41	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		06/07/23 13:56	06/09/23 21:41	1

MB MB

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	73	70 - 130	06/07/23 13:56	06/09/23 21:41	1
1,4-Difluorobenzene (Surr)	94	70 - 130	06/07/23 13:56	06/09/23 21:41	1

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 55034

Analysis Batch: 55086

	INID	IVID						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		06/08/23 12:22	06/10/23 08:16	1
Toluene	<0.00200	U	0.00200	mg/Kg		06/08/23 12:22	06/10/23 08:16	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		06/08/23 12:22	06/10/23 08:16	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		06/08/23 12:22	06/10/23 08:16	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		06/08/23 12:22	06/10/23 08:16	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		06/08/23 12:22	06/10/23 08:16	1

мв мв

Surrogate	%Recovery	Qualifier	Limits	Prej	pared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	76		70 - 130	06/08/2	23 12:22	06/10/23 08:16	1
1,4-Difluorobenzene (Surr)	94		70 - 130	06/08/2	23 12:22	06/10/23 08:16	1

Lab Sample ID: LCS 880-55034/1-A

Matrix: Solid

Matrix: Solid

Analysis Batch: 55086

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 55034

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.1259		mg/Kg		126	70 - 130	
Toluene	0.100	0.09996		mg/Kg		100	70 - 130	
Ethylbenzene	0.100	0.09424		mg/Kg		94	70 - 130	
m-Xylene & p-Xylene	0.200	0.1846		mg/Kg		92	70 - 130	
o-Xylene	0.100	0.09812		mg/Kg		98	70 - 130	

LCS LCS

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	100	70 - 130
1.4-Difluorobenzene (Surr)	114	70 - 130

Lab Sample ID: LCSD 880-55034/2-A

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Matrix: Solid

Analysis Batch: 55086

Client Sample ID: Lab	Control Sample Dup
	Dunn Times Tetal/NIA

Prep Type: Total/NA

Prep Batch: 55034

	эріке	LCSD LCSD				%Rec		KPD	
Analyte	Added	Result Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Benzene	0.100	0.1283	mg/Kg		128	70 - 130	2	35	

Prep Type: Total/NA

Client Sample ID: Matrix Spike

QC Sample Results

Job ID: 890-4780-1 Client: Ensolum Project/Site: PLU Phantom Banks 25-25-30 Battery SDG: 03C1558242

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

Lab Sample ID: LCSD 880-55034/2-A Client Sample ID: Lab Control Sample Dup

Matrix: Solid Analysis Batch: 55086

Analysis Batch: 55086							Prep	Batch:	55034
	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Toluene	0.100	0.09461		mg/Kg		95	70 - 130	5	35
Ethylbenzene	0.100	0.08192		mg/Kg		82	70 - 130	14	35
m-Xylene & p-Xylene	0.200	0.1503		mg/Kg		75	70 - 130	21	35
o-Xylene	0.100	0.07379		mg/Kg		74	70 - 130	28	35

LCSD LCSD %Recovery Qualifier Limits Surrogate 66 S1-70 - 130 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) 109 70 - 130

Lab Sample ID: 880-29060-A-8-C MS

Matrix: Solid						Prep Type: Total/NA
Analysis Batch: 55086						Prep Batch: 55034
	Sample	Sample	Spike	MS	MS	%Rec

Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits <0.00198 U F1 0.1356 F1 Benzene 0.101 mg/Kg 134 70 - 130 Toluene <0.00198 U 0.1031 70 - 130 0.101 mg/Kg 102 Ethylbenzene <0.00198 U 0.101 0.08981 mg/Kg 89 70 - 130 0.202 m-Xylene & p-Xylene <0.00396 U 0.1747 mg/Kg 86 70 - 130 o-Xylene <0.00198 U 0.101 0.08688 mg/Kg 86 70 - 130

MS MS %Recovery Qualifier Limits Surrogate 70 - 130 4-Bromofluorobenzene (Surr) 86 70 - 130 1,4-Difluorobenzene (Surr) 113

mnla ID: 880-29060-A-8-D MSD

Lab Sample ID: 880-29060-A-8-D MSD	Client Sample ID: Matrix Spike Duplicate
Matrix: Solid	Prep Type: Total/NA
Analysis Batch: 55086	Prep Batch: 55034

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	<0.00198	U F1	0.0994	0.1273		mg/Kg		128	70 - 130	6	35
Toluene	<0.00198	U	0.0994	0.1097		mg/Kg		110	70 - 130	6	35
Ethylbenzene	<0.00198	U	0.0994	0.1087		mg/Kg		109	70 - 130	19	35
m-Xylene & p-Xylene	<0.00396	U	0.199	0.2205		mg/Kg		111	70 - 130	23	35
o-Xylene	<0.00198	U	0.0994	0.1103		mg/Kg		111	70 - 130	24	35

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	110		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

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

<49.9 U

Lab Sample ID: MB 880-55008/1-A Matrix

An

Gasoline Range Organics

Matrix: Solid							Prep Type:	Total/NA
nalysis Batch: 55080							Prep Batc	h: 55008
	MB	MB						
nalyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac

49.9

mg/Kg

(GRO)-C6-C10

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Client Sample ID: Method Blank

06/09/23 07:48

06/08/23 08:45

Client: Ensolum Job ID: 890-4780-1 SDG: 03C1558242 Project/Site: PLU Phantom Banks 25-25-30 Battery

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

Lab Sample ID: MB 880-55008/1-A **Matrix: Solid**

Lab Sample ID: LCS 880-55008/2-A

Analysis Batch: 55080

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

Prep Batch: 55008

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over	<49.9	U	49.9	mg/Kg		06/08/23 08:45	06/09/23 07:48	1
C10-C28)								
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		06/08/23 08:45	06/09/23 07:48	1

MB MB

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	113		70 - 130	06/08/23 08:45	06/09/23 07:48	1
o-Terphenyl	120		70 - 130	06/08/23 08:45	06/09/23 07:48	1

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 55008

Analysis Batch: 55080 LCS LCS Spike Analyte Added Result Qualifier Unit %Rec Limits Gasoline Range Organics 1000 754.3 75 70 - 130 mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over 1000 673.4 *-70 - 130 mg/Kg 67 C10-C28)

LCS LCS

Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	88		70 - 130
o-Terphenyl	85		70 - 130

Lab Sample ID: LCSD 880-55008/3-A

Matrix: Solid

Matrix: Solid

Analysis Batch: 55080

Client Sample ID: La	b Control Sample Du	цр
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Prep Type: Total/NA

Prep Batch: 55008

	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics	999	752.3		mg/Kg		75	70 - 130	0	20
(GRO)-C6-C10									
Diesel Range Organics (Over	999	698.5		mg/Kg		70	70 - 130	4	20
C10-C28)									

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	87		70 - 130
o-Terphenyl	85		70 - 130

Lab Sample ID: 890-4783-A-11-E MS

Matrix: Solid

Analysis Batch: 55080

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 55008

	Sample	Sample	Spike	MS	MS				%Rec
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	998	829.8		mg/Kg		83	70 - 130
Diesel Range Organics (Over	<50.0	U *-	998	770.3		mg/Kg		75	70 - 130

C10-C28)

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	99		70 - 130
o-Terphenyl	96		70 - 130

Client: Ensolum Job ID: 890-4780-1 Project/Site: PLU Phantom Banks 25-25-30 Battery SDG: 03C1558242

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

Lab Sample ID: 890-4783-A-11-F MSD Client Sample ID: Matrix Spike Duplicate Prep Type: Total/NA

Matrix: Solid Analysis Batch: 55080 Prep Batch: 55008

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics	<50.0	U	998	857.0		mg/Kg		86	70 - 130	3	20
(GRO)-C6-C10											
Diesel Range Organics (Over	<50.0	U *-	998	762.7		mg/Kg		74	70 - 130	1	20

C10-C28)

MSD MSD %Recovery Qualifier Surrogate Limits 1-Chlorooctane 70 - 130 100 o-Terphenyl 94 70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-54867/1-A Client Sample ID: Method Blank **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 54985

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Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00	mg/Kg			06/07/23 15:06	1

Lab Sample ID: LCS 880-54867/2-A **Client Sample ID: Lab Control Sample Matrix: Solid Prep Type: Soluble**

Analysis Batch: 54985

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	250	251.1	·	mg/Kg		100	90 - 110	 ·

Lab Sample ID: LCSD 880-54867/3-A Client Sample ID: Lab Control Sample Dup **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 54985

	Spike	LCSD	LCSD				%Rec		RPD	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Chloride	250	259.0		mg/Kg		104	90 - 110	3	20	

Lab Sample ID: 890-4780-4 MS Client Sample ID: PH02A **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 54985

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	12.2		2/10	293.6		ma/Ka		101	90 110	

Lab Sample ID: 890-4780-4 MSD Client Sample ID: PH02A **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 54985

Analysis Daton. 04300												
	Sample	Sample	Spike	MSD	MSD				%Rec		RPD	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Chloride	42.2		249	294.6		ma/Ka		101	90 - 110		20	

Client: Ensolum
Project/Site: PLU Phantom Banks 25-25-30 Battery
SDG: 03C1558242

GC VOA

Prep Batch: 54980

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-54980/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 55034

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4780-1	PH01	Total/NA	Solid	5035	
890-4780-2	PH01A	Total/NA	Solid	5035	
890-4780-3	PH02	Total/NA	Solid	5035	
890-4780-4	PH02A	Total/NA	Solid	5035	
890-4780-5	SS01	Total/NA	Solid	5035	
890-4780-6	SS02	Total/NA	Solid	5035	
890-4780-7	SS03	Total/NA	Solid	5035	
890-4780-8	SS04	Total/NA	Solid	5035	
MB 880-55034/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-55034/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-55034/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-29060-A-8-C MS	Matrix Spike	Total/NA	Solid	5035	
880-29060-A-8-D MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 55086

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4780-1	PH01	Total/NA	Solid	8021B	55034
890-4780-2	PH01A	Total/NA	Solid	8021B	55034
890-4780-3	PH02	Total/NA	Solid	8021B	55034
890-4780-4	PH02A	Total/NA	Solid	8021B	55034
890-4780-5	SS01	Total/NA	Solid	8021B	55034
890-4780-6	SS02	Total/NA	Solid	8021B	55034
890-4780-7	SS03	Total/NA	Solid	8021B	55034
890-4780-8	SS04	Total/NA	Solid	8021B	55034
MB 880-54980/5-A	Method Blank	Total/NA	Solid	8021B	54980
MB 880-55034/5-A	Method Blank	Total/NA	Solid	8021B	55034
LCS 880-55034/1-A	Lab Control Sample	Total/NA	Solid	8021B	55034
LCSD 880-55034/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	55034
880-29060-A-8-C MS	Matrix Spike	Total/NA	Solid	8021B	55034
880-29060-A-8-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	55034

Analysis Batch: 55219

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batcl
890-4780-1	PH01	Total/NA	Solid	Total BTEX	
890-4780-2	PH01A	Total/NA	Solid	Total BTEX	
890-4780-3	PH02	Total/NA	Solid	Total BTEX	
890-4780-4	PH02A	Total/NA	Solid	Total BTEX	
890-4780-5	SS01	Total/NA	Solid	Total BTEX	
890-4780-6	SS02	Total/NA	Solid	Total BTEX	
890-4780-7	SS03	Total/NA	Solid	Total BTEX	
890-4780-8	SS04	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 55008

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4780-1	PH01	Total/NA	Solid	8015NM Prep	

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Client: Ensolum
Project/Site: PLU Phantom Banks 25-25-30 Battery
SDG: 03C1558242

GC Semi VOA (Continued)

Prep Batch: 55008 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4780-2	PH01A	Total/NA	Solid	8015NM Prep	
890-4780-3	PH02	Total/NA	Solid	8015NM Prep	
890-4780-4	PH02A	Total/NA	Solid	8015NM Prep	
890-4780-5	SS01	Total/NA	Solid	8015NM Prep	
890-4780-6	SS02	Total/NA	Solid	8015NM Prep	
890-4780-7	SS03	Total/NA	Solid	8015NM Prep	
890-4780-8	SS04	Total/NA	Solid	8015NM Prep	
MB 880-55008/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-55008/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-55008/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-4783-A-11-E MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-4783-A-11-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 55080

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4780-1	PH01	Total/NA	Solid	8015B NM	55008
890-4780-2	PH01A	Total/NA	Solid	8015B NM	55008
890-4780-3	PH02	Total/NA	Solid	8015B NM	55008
890-4780-4	PH02A	Total/NA	Solid	8015B NM	55008
890-4780-5	SS01	Total/NA	Solid	8015B NM	55008
890-4780-6	SS02	Total/NA	Solid	8015B NM	55008
890-4780-7	SS03	Total/NA	Solid	8015B NM	55008
890-4780-8	SS04	Total/NA	Solid	8015B NM	55008
MB 880-55008/1-A	Method Blank	Total/NA	Solid	8015B NM	55008
LCS 880-55008/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	55008
LCSD 880-55008/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	55008
890-4783-A-11-E MS	Matrix Spike	Total/NA	Solid	8015B NM	55008
890-4783-A-11-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	55008

Analysis Batch: 55173

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4780-1	PH01	Total/NA	Solid	8015 NM	
890-4780-2	PH01A	Total/NA	Solid	8015 NM	
890-4780-3	PH02	Total/NA	Solid	8015 NM	
890-4780-4	PH02A	Total/NA	Solid	8015 NM	
890-4780-5	SS01	Total/NA	Solid	8015 NM	
890-4780-6	SS02	Total/NA	Solid	8015 NM	
890-4780-7	SS03	Total/NA	Solid	8015 NM	
890-4780-8	SS04	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 54867

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4780-1	PH01	Soluble	Solid	DI Leach	
890-4780-2	PH01A	Soluble	Solid	DI Leach	
890-4780-3	PH02	Soluble	Solid	DI Leach	
890-4780-4	PH02A	Soluble	Solid	DI Leach	
890-4780-5	SS01	Soluble	Solid	DI Leach	
890-4780-6	SS02	Soluble	Solid	DI Leach	
890-4780-7	SS03	Soluble	Solid	DI Leach	

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Client: Ensolum
Project/Site: PLU Phantom Banks 25-25-30 Battery

Job ID: 890-4780-1
SDG: 03C1558242

HPLC/IC (Continued)

Leach Batch: 54867 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4780-8	SS04	Soluble	Solid	DI Leach	
MB 880-54867/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-54867/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-54867/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-4780-4 MS	PH02A	Soluble	Solid	DI Leach	
890-4780-4 MSD	PH02A	Soluble	Solid	DI Leach	

Analysis Batch: 54985

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Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4780-1	PH01	Soluble	Solid	300.0	54867
890-4780-2	PH01A	Soluble	Solid	300.0	54867
890-4780-3	PH02	Soluble	Solid	300.0	54867
890-4780-4	PH02A	Soluble	Solid	300.0	54867
890-4780-5	SS01	Soluble	Solid	300.0	54867
890-4780-6	SS02	Soluble	Solid	300.0	54867
890-4780-7	SS03	Soluble	Solid	300.0	54867
890-4780-8	SS04	Soluble	Solid	300.0	54867
MB 880-54867/1-A	Method Blank	Soluble	Solid	300.0	54867
LCS 880-54867/2-A	Lab Control Sample	Soluble	Solid	300.0	54867
LCSD 880-54867/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	54867
890-4780-4 MS	PH02A	Soluble	Solid	300.0	54867
890-4780-4 MSD	PH02A	Soluble	Solid	300.0	54867

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4.0

Client: Ensolum Job ID: 890-4780-1 Project/Site: PLU Phantom Banks 25-25-30 Battery SDG: 03C1558242

Client Sample ID: PH01

Date Received: 06/05/23 16:39

Lab Sample ID: 890-4780-1 Date Collected: 06/05/23 09:20

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	55034	06/08/23 12:22	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	55086	06/10/23 09:39	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			55219	06/10/23 18:16	AJ	EET MID
Total/NA	Analysis	8015 NM		1			55173	06/09/23 16:20	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	55008	06/08/23 08:45	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	55080	06/09/23 13:18	AJ	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	54867	06/07/23 10:52	KS	EET MID
Soluble	Analysis	300.0		1			54985	06/07/23 16:39	CH	EET MID

Client Sample ID: PH01A Lab Sample ID: 890-4780-2

Date Collected: 06/05/23 10:15 Matrix: Solid Date Received: 06/05/23 16:39

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	55034	06/08/23 12:22	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	55086	06/10/23 10:00	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			55219	06/10/23 18:16	AJ	EET MID
Total/NA	Analysis	8015 NM		1			55173	06/09/23 16:20	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	55008	06/08/23 08:45	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	55080	06/09/23 13:39	AJ	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	54867	06/07/23 10:52	KS	EET MID
Soluble	Analysis	300.0		1			54985	06/07/23 16:44	CH	EET MID

Client Sample ID: PH02 Lab Sample ID: 890-4780-3 Date Collected: 06/05/23 09:25 **Matrix: Solid**

Date Received: 06/05/23 16:39

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	55034	06/08/23 12:22	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	55086	06/10/23 10:20	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			55219	06/10/23 18:16	AJ	EET MID
Total/NA	Analysis	8015 NM		1			55173	06/09/23 16:20	AJ	EET MIC
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	55008	06/08/23 08:45	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	55080	06/09/23 14:01	AJ	EET MIC
Soluble	Leach	DI Leach			4.96 g	50 mL	54867	06/07/23 10:52	KS	EET MID
Soluble	Analysis	300.0		1			54985	06/07/23 16:50	CH	EET MID

Client Sample ID: PH02A Lab Sample ID: 890-4780-4 Date Collected: 06/05/23 10:20 **Matrix: Solid**

Date Received: 06/05/23 16:39

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	55034	06/08/23 12:22	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	55086	06/10/23 10:41	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			55219	06/10/23 18:16	AJ	EET MID

Client: EnsolumJob ID: 890-4780-1Project/Site: PLU Phantom Banks 25-25-30 BatterySDG: 03C1558242

Client Sample ID: PH02A

Date Collected: 06/05/23 10:20 Date Received: 06/05/23 16:39 Lab Sample ID: 890-4780-4

Matrix: Solid

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			55173	06/09/23 16:20	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	55008	06/08/23 08:45	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	55080	06/09/23 14:22	AJ	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	54867	06/07/23 10:52	KS	EET MID
Soluble	Analysis	300.0		1			54985	06/07/23 16:55	CH	EET MID

Client Sample ID: SS01 Lab Sample ID: 890-4780-5

Date Collected: 06/05/23 10:35 Date Received: 06/05/23 16:39

Batch Batch Dil Initial Final Batch Prepared Prep Type Method Amount Amount Number or Analyzed Type Run Factor Analyst Lab 5035 Total/NA Prep 5.05 g 5 mL 55034 06/08/23 12:22 EL **EET MID** Total/NA Analysis 8021B 5 mL 5 mL 55086 06/10/23 11:01 ΑJ EET MID 1 Total/NA Total BTEX 55219 Analysis 1 06/10/23 18:16 AJ **EET MID** Total/NA Analysis 8015 NM 55173 06/09/23 16:20 EET MID AJ 55008 Total/NA Prep 8015NM Prep 10.03 g 10 mL 06/08/23 08:45 AJ **EET MID** Total/NA Analysis 8015B NM 1 uL 1 uL 55080 06/09/23 14:44 ΑJ **EET MID** Soluble Leach DI Leach 4.98 g 50 mL 54867 06/07/23 10:52 KS **EET MID** Soluble Analysis 300.0 1 54985 06/07/23 17:12 СН **EET MID**

Client Sample ID: SS02

Date Collected: 06/05/23 11:30

Lab Sample ID: 890-4780-6

Matrix: Solid

Date Received: 06/05/23 16:39

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	55034	06/08/23 12:22	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	55086	06/10/23 11:22	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			55219	06/10/23 18:16	AJ	EET MID
Total/NA	Analysis	8015 NM		1			55173	06/12/23 13:36	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	55008	06/08/23 08:45	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	55080	06/09/23 15:29	AJ	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	54867	06/07/23 10:52	KS	EET MIC
Soluble	Analysis	300.0		1			54985	06/07/23 17:17	CH	EET MID

Client Sample ID: SS03 Lab Sample ID: 890-4780-7

Date Collected: 06/05/23 10:55 Date Received: 06/05/23 16:39

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	55034	06/08/23 12:22	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	55086	06/10/23 11:42	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			55219	06/10/23 18:16	AJ	EET MID
Total/NA	Analysis	8015 NM		1			55173	06/12/23 13:36	AJ	EET MID
Total/NA Total/NA	Prep Analysis	8015NM Prep 8015B NM		1	10.00 g 1 uL	10 mL 1 uL	55008 55080	06/08/23 08:45 06/09/23 15:51	AJ AJ	EET MID EET MID

Eurofins Carlsbad

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Matrix: Solid

Client: EnsolumJob ID: 890-4780-1Project/Site: PLU Phantom Banks 25-25-30 BatterySDG: 03C1558242

Client Sample ID: SS03 Lab Sample ID: 890-4780-7

Date Collected: 06/05/23 10:55

Date Received: 06/05/23 16:39

Matrix: Solid

Batch Batch Dil Initial Final Batch Prepared Method Prep Type Туре Run Factor Amount Amount Number or Analyzed Analyst Lab Soluble DI Leach 54867 KS Leach 5.04 g 50 mL 06/07/23 10:52 **EET MID** 300.0 06/07/23 17:33 Soluble Analysis 1 54985 СН **EET MID**

Client Sample ID: SS04 Lab Sample ID: 890-4780-8

Date Collected: 06/05/23 11:05 Matrix: Solid

Date Received: 06/05/23 16:39

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	55034	06/08/23 12:22	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	55086	06/10/23 13:05	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			55219	06/10/23 18:16	AJ	EET MID
Total/NA	Analysis	8015 NM		1			55173	06/12/23 13:36	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	55008	06/08/23 08:45	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	55080	06/09/23 16:13	AJ	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	54867	06/07/23 10:52	KS	EET MID
Soluble	Analysis	300.0		1			54985	06/07/23 17:39	CH	EET MID

Laboratory References:

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

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Accreditation/Certification Summary

Client: Ensolum Job ID: 890-4780-1 Project/Site: PLU Phantom Banks 25-25-30 Battery SDG: 03C1558242

Laboratory: Eurofins Midland

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

Authority	Pr	ogram	Identification Number	Expiration Date
Texas	NE	ELAP	T104704400-22-25	06-30-23
The following analytes the agency does not of		it the laboratory is not certifi	ed by the governing authority. This list ma	ay include analytes fo
Analysis Method	Doors Made and	Matrix		
/ triary 515 IVICTIO	Prep Method	Maurx	Analyte	
8015 NM	Ргер метпоа	Solid	Analyte Total TPH	

Method Summary

Client: Ensolum Job ID: 890-4780-1 Project/Site: PLU Phantom Banks 25-25-30 Battery

SDG: 03C1558242

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

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Matrix

Solid

Solid

Solid

Solid

Solid

Solid

Solid

Solid

Collected

06/05/23 09:20

06/05/23 10:15

06/05/23 09:25

06/05/23 10:20

06/05/23 10:35

06/05/23 11:30

06/05/23 10:55

06/05/23 11:05

Received

06/05/23 16:39

06/05/23 16:39

06/05/23 16:39

06/05/23 16:39

06/05/23 16:39

06/05/23 16:39

06/05/23 16:39

06/05/23 16:39

0.5'

0.5'

0.5'

Client: Ensolum

Lab Sample ID

890-4780-1

890-4780-2

890-4780-3

890-4780-4

890-4780-5

890-4780-6

890-4780-7

890-4780-8

Project/Site: PLU Phantom Banks 25-25-30 Battery

Client Sample ID

PH01

PH01A

PH02

PH02A

SS01

SS02

SS03

SS04

Job ID: 890-4780-1

SDG: 03C1558242

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.5'	
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.5'	

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

Total 200.7 / 6010

200.8 / 6020:

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

K Se Ag SiO₂ Na Sr Tl Sn U V Zn

bbelilleensdum.com

ban Belill

Hg: 1631 / 245.1 / 7470 / 7471

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

eurofins

City, State ZIP: Address:

989 - 854 - 0852

Email: (JAYYett Turn Around

City, State ZIP: Address:

ड्रियहर्म है वरिष्टिंड

aris bad, NM 88220

Nahonal Parks Hww

Project Manager:

Ben

Belli

Bill to: (if different)

Company Name:

Xenco

Environment Testing

Company Name:

Ensolum,

Samples Received Intact: SAMPLE RECEIPT

Sample Custody Seals: Cooler Custody Seals:

Yes No Yes No

Sample Identification

Matrix

Sampled

Sampled

Date

Time

Depth

Comp Grab/

Cont # of

B

890-4780 Chain of Custody

1005/23

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G

4:25

10.25

55:0

5 5

5

0.25

4

PHO2 2H02A

SS02

503

PHO1A

Sampler's Name:

Mariaha ("Del 52.09 85633

Temp Blank: /

Wet ice:

Tes No

Parameters

iovides

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

Due Date: Routine

5 days

Rush

Code

ANALYSIS REQUEST

HCL: HC

Cool: Cool None: NO

MeOH: Me DI Water: H2O

NaOH: Na HNO 3: HN Preservative Codes

Na₂S₂O₃: NaSO₃

NaHSO 4: NABIS

NaOH+Ascorbic Acid: SAPC Zn Acetate+NaOH: Zn

Sample Comments

H₃PO₄: HP H2SO4: H2

No

Thermometer ID: Red No

Correction Factor: Temperature Reading:

Corrected Temperature:

roject Location:

Project Name:

roject Number:

050,1558242

Chain of Custody

Midland, TX (432) 704-5440, San Antonio, TX (210 EL Paso, TX (915) 585-3443, Lubbock, TX (806) 7 Hobbs, NM (575) 392-7550, Carlsbad, NM (575) Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300

TX (432) 704-5440, San Antonio, TX (210) 509-3334	Work Order No:
TX (915) 585-3443, Lubbock, TX (806) 794-1296	
NM (575) 392-7550, Carlsbad, NM (575) 988-3199	
	www.xenco.com Pageofof
Garrett Green	Work Order Comments
X TD ENCYON	Program: UST/PST PRP Brownfields RRC Superfund
SINH F Green St	State of Project:
Carlspad, NM 98220	Reporting: Level III Level III PST/UST TRRP Level IV
Green@ Exxon Modil Com	Deliverables: EDD ADaPT Other:

		6			5
		4			3
		64	6-5-23/6	August Steet 6-5-23 1639	IN Conce
ure) Date/Time	Received by: (Signature)	Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Relinquished by: (Signature)

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n APP 231 0044397

noident #

cost center:

Login Sample Receipt Checklist

Client: Ensolum Job Number: 890-4780-1 SDG Number: 03C1558242

Login Number: 4780 List Source: Eurofins Carlsbad

List Number: 1

Creator: Stutzman, Amanda

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

Login Sample Receipt Checklist

 Client: Ensolum
 Job Number: 890-4780-1

 SDG Number: 03C1558242

List Source: Eurofins Midland List Creation: 06/07/23 11:36 AM

Creator: Rodriguez, Leticia

Login Number: 4780

List Number: 2

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

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<6mm (1/4").

ANALYTICAL REPORT

PREPARED FOR

Attn: Ben Belill Ensolum

601 N. Marienfeld St.

Suite 400

Midland, Texas 79701

Generated 7/11/2023 5:23:35 PM

JOB DESCRIPTION

PLU Phantom Banks Battery 25-25-30 SDG NUMBER 03C1558242

JOB NUMBER

890-4904-1

Eurofins Carlsbad 1089 N Canal St. Carlsbad NM 88220

Eurofins Carlsbad

Job Notes

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

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

Authorization

Generated 7/11/2023 5:23:35 PM

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

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

Client: Ensolum Project/Site: PLU Phantom Banks Battery 25-25-30 Laboratory Job ID: 890-4904-1 SDG: 03C1558242

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Definitions/Glossary

Job ID: 890-4904-1 Client: Ensolum Project/Site: PLU Phantom Banks Battery 25-25-30 SDG: 03C1558242

Qualifiers

GC VOA

Qualifier **Qualifier Description**

Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier **Qualifier Description**

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

HPLC/IC

Qualifier **Qualifier Description**

Indicates the analyte was analyzed for but not detected.

Glossary

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

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

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

DER Duplicate Error Ratio (normalized absolute difference)

Dil Fac **Dilution Factor**

Detection Limit (DoD/DOE) DL

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

DLC Decision Level Concentration (Radiochemistry)

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

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

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

NC Not Calculated

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

NFG Negative / Absent POS Positive / Present PQL Practical Quantitation Limit

PRES Presumptive QC **Quality Control**

RER Relative Error Ratio (Radiochemistry)

RL Reporting Limit or Requested Limit (Radiochemistry)

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

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

TNTC Too Numerous To Count

Case Narrative

Job ID: 890-4904-1 Client: Ensolum Project/Site: PLU Phantom Banks Battery 25-25-30

SDG: 03C1558242

Job ID: 890-4904-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative 890-4904-1

Receipt

The samples were received on 7/6/2023 2:30 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 4.2°C

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: FS01 (890-4904-1) and SW01 (890-4904-2).

GC VOA

Method 8021B: The continuing calibration verification (CCV) associated with batch 880-57254 recovered above the upper control limit for Benzene and Toluene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is impacted: (CCV 880-57254/20).

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 sample was outside control limits: SW01 (890-4904-2). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

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: 890-4904-1

Client Sample Results

Client: Ensolum
Project/Site: PLU Phantom Banks Battery 25-25-30
Job ID: 890-4904-1
SDG: 03C1558242

Client Sample ID: FS01

Date Collected: 07/06/23 10:10 Date Received: 07/06/23 14:30

Sample Depth: 1

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		07/10/23 09:14	07/10/23 14:32	1
Toluene	< 0.00199	U	0.00199	mg/Kg		07/10/23 09:14	07/10/23 14:32	1
Ethylbenzene	< 0.00199	U	0.00199	mg/Kg		07/10/23 09:14	07/10/23 14:32	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		07/10/23 09:14	07/10/23 14:32	1
o-Xylene	< 0.00199	U	0.00199	mg/Kg		07/10/23 09:14	07/10/23 14:32	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		07/10/23 09:14	07/10/23 14:32	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		70 - 130			07/10/23 09:14	07/10/23 14:32	1
1,4-Difluorobenzene (Surr)	106		70 - 130			07/10/23 09:14	07/10/23 14:32	1
Method: TAL SOP Total BTEX - 1	Total BTEX Cald	culation						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			07/11/23 12:01	1
Method: SW846 8015 NM - Diese	el Range Organ	ics (DRO) ((GC)					
		, , ,	•					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	Result <49.9		49.9	Unit mg/Kg	D	Prepared	Analyzed 07/11/23 18:13	Dil Fac
Total TPH	<49.9	U	49.9		<u>D</u>	Prepared		
	<49.9	U	49.9		<u>D</u>	Prepared Prepared		
Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics	<49.9	nics (DRO) Qualifier	49.9 (GC)	mg/Kg			07/11/23 18:13	1 Dil Fac
Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	<49.9 sel Range Orga Result	nics (DRO) Qualifier	49.9 (GC)	mg/Kg		Prepared	07/11/23 18:13 Analyzed	Dil Fac
Total TPH Method: SW846 8015B NM - Dies	<49.9 sel Range Orga Result <49.9	nics (DRO) Qualifier U	(GC) RL 49.9	mg/Kg Unit mg/Kg		Prepared 07/11/23 10:04	07/11/23 18:13 Analyzed 07/11/23 16:56	Dil Fac
Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	<49.9 sel Range Orga Result <49.9 <49.9	nics (DRO) Qualifier U	(GC) RL 49.9 49.9	mg/Kg Unit mg/Kg mg/Kg		Prepared 07/11/23 10:04 07/11/23 10:04	07/11/23 18:13 Analyzed 07/11/23 16:56 07/11/23 16:56	1 Dil Fac
Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate	<49.9 sel Range Orga Result <49.9 <49.9 <49.9	nics (DRO) Qualifier U	49.9 (GC) RL 49.9 49.9 49.9	mg/Kg Unit mg/Kg mg/Kg		Prepared 07/11/23 10:04 07/11/23 10:04 07/11/23 10:04	07/11/23 18:13 Analyzed 07/11/23 16:56 07/11/23 16:56 07/11/23 16:56	Dil Face 1 1 1 Dil Face
Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	<49.9 sel Range Orga Result <49.9 <49.9 <49.9 %Recovery	nics (DRO) Qualifier U	49.9 (GC) RL 49.9 49.9 49.9 Limits	mg/Kg Unit mg/Kg mg/Kg		Prepared 07/11/23 10:04 07/11/23 10:04 07/11/23 10:04 Prepared	07/11/23 18:13 Analyzed 07/11/23 16:56 07/11/23 16:56 07/11/23 16:56 Analyzed	Dil Fac
Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Surrogate 1-Chlorooctane	<49.9 sel Range Orga Result <49.9 <49.9 <49.9 **Recovery 121 104	Oualifier U Qualifier U Qualifier	49.9 (GC) RL 49.9 49.9 49.9 Limits 70 - 130 70 - 130	mg/Kg Unit mg/Kg mg/Kg		Prepared 07/11/23 10:04 07/11/23 10:04 07/11/23 10:04 Prepared 07/11/23 10:04	07/11/23 18:13 Analyzed 07/11/23 16:56 07/11/23 16:56 Analyzed 07/11/23 16:56	Dil Fac
Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl	\$\sel \text{Range Orga} \text{Result} <49.9 <49.9 <49.9 **Recovery** 121 104 Chromatograp**	Oualifier U Qualifier U Qualifier	49.9 (GC) RL 49.9 49.9 49.9 Limits 70 - 130 70 - 130	mg/Kg Unit mg/Kg mg/Kg		Prepared 07/11/23 10:04 07/11/23 10:04 07/11/23 10:04 Prepared 07/11/23 10:04	07/11/23 18:13 Analyzed 07/11/23 16:56 07/11/23 16:56 Analyzed 07/11/23 16:56	1

Client Sample ID: SW01

Date Collected: 07/06/23 10:15 Date Received: 07/06/23 14:30

Sample Depth: 0 - 1

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198	mg/Kg		07/10/23 09:14	07/10/23 14:52	1
Toluene	<0.00198	U	0.00198	mg/Kg		07/10/23 09:14	07/10/23 14:52	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		07/10/23 09:14	07/10/23 14:52	1
m-Xylene & p-Xylene	<0.00396	U	0.00396	mg/Kg		07/10/23 09:14	07/10/23 14:52	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		07/10/23 09:14	07/10/23 14:52	1
Xylenes, Total	<0.00396	U	0.00396	mg/Kg		07/10/23 09:14	07/10/23 14:52	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)			70 - 130			07/10/23 09:14	07/10/23 14:52	1

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Lab Sample ID: 890-4904-2

Matrix: Solid

9

3

7

9

11

12

1 /

Client Sample Results

Client: Ensolum Job ID: 890-4904-1 SDG: 03C1558242

Project/Site: PLU Phantom Banks Battery 25-25-30

Lab Sample ID: 890-4904-2 **Client Sample ID: SW01** Date Collected: 07/06/23 10:15

Matrix: Solid Date Received: 07/06/23 14:30 Sample Depth: 0 - 1

Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	116		70 - 130			07/10/23 09:14	07/10/23 14:52	
Method: TAL SOP Total BTEX - T	otal BTEX Cald	culation						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Total BTEX	<0.00396	U	0.00396	mg/Kg			07/11/23 12:01	
- Method: SW846 8015 NM - Diese	l Range Organ	ics (DRO) (GC)					
Analyte	•	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Total TPH	844		49.8	mg/Kg			07/11/23 18:13	
- Total II II	044			9/.19			01711120 10110	
- 177 -		nice (DPO)		99			0.7.1.120 10.10	
Method: SW846 8015B NM - Dies	sel Range Orga	nics (DRO) Qualifier		Unit	D	Prepared	Analyzed	Dil Fa
Method: SW846 8015B NM - Dies	sel Range Orga	Qualifier	(GC)		<u>D</u>	Prepared 07/11/23 10:04		Dil Fac
Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics	sel Range Orga Result	Qualifier	(GC)	Unit	<u>D</u>		Analyzed	Dil Fac
Method: SW846 8015B NM - Dies Analyte	sel Range Orga Result	Qualifier	(GC)	Unit	<u>D</u>		Analyzed	Dil Fac
Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	sel Range Orga Result <49.8	Qualifier	(GC) RL 49.8	<mark>Unit</mark> mg/Kg	<u>D</u>	07/11/23 10:04	Analyzed 07/11/23 17:19	Dil Fac
Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	sel Range Orga Result <49.8	Qualifier U	(GC) RL 49.8	<mark>Unit</mark> mg/Kg	<u>D</u>	07/11/23 10:04	Analyzed 07/11/23 17:19	Dil Fac
Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	sel Range Orga Result <49.8	Qualifier U	(GC) RL 49.8	Unit mg/Kg mg/Kg	<u>D</u>	07/11/23 10:04 07/11/23 10:04	Analyzed 07/11/23 17:19 07/11/23 17:19	
Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	Result <49.8	Qualifier U	(GC) RL 49.8 49.8 49.8	Unit mg/Kg mg/Kg	<u>D</u>	07/11/23 10:04 07/11/23 10:04 07/11/23 10:04	Analyzed 07/11/23 17:19 07/11/23 17:19 07/11/23 17:19	Dil Fac

Method: EPA 300.0 - Anions, Ion C	300.0 - Anions, Ion Chromatography - Soluble Result Qualifier RL Unit D Prepared Analyzed Dil							
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	90.4	4.98	mg/Kg			07/10/23 12:14	1	

Surrogate Summary

Client: Ensolum Job ID: 890-4904-1
Project/Site: PLU Phantom Banks Battery 25-25-30 SDG: 03C1558242

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid Prep Type: Total/NA

				Percent Surrogate Re
		BFB1	DFBZ1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
880-30481-A-2-B MS	Matrix Spike	108	104	
880-30481-A-2-C MSD	Matrix Spike Duplicate	102	105	
890-4904-1	FS01	119	106	
890-4904-2	SW01	101	116	
LCS 880-57268/1-A	Lab Control Sample	97	104	
LCSD 880-57268/2-A	Lab Control Sample Dup	107	102	
MB 880-57268/5-A	Method Blank	89	98	

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid Prep Type: Total/NA

_			
		1001	OTPH1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
890-4896-A-1-G MS	Matrix Spike	111	93
890-4896-A-1-H MSD	Matrix Spike Duplicate	118	95
890-4904-1	FS01	121	104
890-4904-2	SW01	138 S1+	111
LCS 880-57388/2-A	Lab Control Sample	96	88
LCSD 880-57388/3-A	Lab Control Sample Dup	104	95
MB 880-57388/1-A	Method Blank	121	110

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: Ensolum Job ID: 890-4904-1 Project/Site: PLU Phantom Banks Battery 25-25-30 SDG: 03C1558242

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-57268/5-A

Matrix: Solid Analysis Batch: 57254 Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 57268

	MB	MR						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		07/10/23 09:14	07/10/23 12:05	1
Toluene	<0.00200	U	0.00200	mg/Kg		07/10/23 09:14	07/10/23 12:05	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		07/10/23 09:14	07/10/23 12:05	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		07/10/23 09:14	07/10/23 12:05	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		07/10/23 09:14	07/10/23 12:05	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		07/10/23 09:14	07/10/23 12:05	1

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		70 - 130	07/10/23 09:14	07/10/23 12:05	1
1,4-Difluorobenzene (Surr)	98		70 - 130	07/10/23 09:14	07/10/23 12:05	1

Lab Sample ID: LCS 880-57268/1-A **Client Sample ID: Lab Control Sample**

Matrix: Solid Analysis Batch: 57254

Prep Type: Total/NA Prep Batch: 57268

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.1157		mg/Kg		116	70 - 130	
Toluene	0.100	0.1205		mg/Kg		120	70 - 130	
Ethylbenzene	0.100	0.1078		mg/Kg		108	70 - 130	
m-Xylene & p-Xylene	0.200	0.2218		mg/Kg		111	70 - 130	
o-Xylene	0.100	0.1065		mg/Kg		107	70 - 130	

LCS LCS

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	97	70 - 130
1,4-Difluorobenzene (Surr)	104	70 - 130

Lab Sample ID: LCSD 880-57268/2-A

Matrix: Solid

Analyte

Benzene

Toluene

o-Xylene

Ethylbenzene

m-Xylene & p-Xylene

Analysis Batch: 57254

Client Sample ID: Lab Control Sample Dup

70 - 130

113

Prep Type: Total/NA Prep Batch: 57268

LCSD LCSD RPD Spike %Rec Added Result Qualifier Unit %Rec Limits Limit 0.100 0.09955 mg/Kg 100 70 - 130 15 35 0.100 0.1145 mg/Kg 114 70 - 130 5 35 0.100 0.1102 mg/Kg 110 70 - 130 2 35 0.200 0.2350 mg/Kg 118 70 - 130 35

mg/Kg

LCSD LCSD

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	107		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

Lab Sample ID: 880-30481-A-2-B MS

Matrix: Solid

Analysis Batch: 57254

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

Prep Batch: 57268

35

MS MS Sample Sample Spike %Rec Result Qualifier Added Analyte Result Qualifier Unit %Rec Limits <0.00202 U 0.0994 110 Benzene 0.1097 mg/Kg 70 - 130 Toluene <0.00202 U 0.0994 0.1205 mg/Kg 121 70 - 130

0.100

0.1127

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Prep Batch: 57268

QC Sample Results

Client: Ensolum Job ID: 890-4904-1 Project/Site: PLU Phantom Banks Battery 25-25-30 SDG: 03C1558242

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

Lab Sample ID: 880-30481-A-2-B MS Client Sample ID: Matrix Spike Prep Type: Total/NA

Matrix: Solid Analysis Batch: 57254

Sample Sample Spike MS MS %Rec Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits Ethylbenzene <0.00202 U 0.0994 0.1136 114 70 - 130 mg/Kg m-Xylene & p-Xylene <0.00403 U 0.199 0.2394 mg/Kg 120 70 - 130 0.0994 o-Xylene <0.00202 U 0.1156 70 - 130 mg/Kg 116

MS MS

Surrogate	%Recovery Qualifier	r Limits
4-Bromofluorobenzene (Surr)	108	70 - 130
1,4-Difluorobenzene (Surr)	104	70 - 130

Lab Sample ID: 880-30481-A-2-C MSD Client Sample ID: Matrix Spike Duplicate Prep Type: Total/NA

Matrix: Solid Analysis Batch: 57254

								Prep	Batch:	57268
Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
<0.00202	U	0.0990	0.1108		mg/Kg		112	70 - 130	1	35
<0.00202	U	0.0990	0.1178		mg/Kg		119	70 - 130	2	35
<0.00202	U	0.0990	0.1080		mg/Kg		109	70 - 130	5	35
<0.00403	U	0.198	0.2235		mg/Kg		113	70 - 130	7	35
<0.00202	U	0.0990	0.1070		mg/Kg		108	70 - 130	8	35
	Result <0.00202 <0.00202 <0.00202 <0.00202 <0.00403	Sample Sample Result Qualifier <0.00202	Result Qualifier Added	Result Qualifier Added Result <0.00202	Result Qualifier Added Result Qualifier <0.00202	Result Qualifier Added Result Qualifier Unit <0.00202	Result Qualifier Added Result Qualifier Unit D <0.00202	Result Qualifier Added Result Qualifier Unit D %Rec <0.00202	Sample Result Sample Qualifier Spike Added Result MSD Qualifier Unit Unit Unit Unit D WRec Limits MRec Limits <0.00202	Result Qualifier Added Result Qualifier Unit D %Rec Limits RPD <0.00202

MSD MSD

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

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

Lab Sample ID: MB 880-57388/1-A Client Sample ID: Method Blank **Matrix: Solid** Prep Type: Total/NA Prep Batch: 57388

Analysis Batch: 57372

	MB	MB						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		07/11/23 10:04	07/11/23 10:21	1
Diesel Range Organics (Over	<50.0	U	50.0	mg/Kg		07/11/23 10:04	07/11/23 10:21	1
C10-C28) Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		07/11/23 10:04	07/11/23 10:21	1

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	121		70 - 130	07/11/23 10:04	07/11/23 10:21	1
o-Terphenyl	110		70 - 130	07/11/23 10:04	07/11/23 10:21	1

Lab Sample ID: LCS 880-57388/2-A **Client Sample ID: Lab Control Sample**

Matrix: Solid Analysis Batch: 57372

Diesel Range Organics (Over

Spike LCS LCS %Rec Added Qualifier Analyte Result Unit %Rec Limits 1000 106 70 - 130 Gasoline Range Organics 1062 mg/Kg (GRO)-C6-C10

912.9

mg/Kg

91

70 - 130

1000

C10-C28)

Prep Type: Total/NA

Prep Batch: 57388

Job ID: 890-4904-1 Client: Ensolum Project/Site: PLU Phantom Banks Battery 25-25-30 SDG: 03C1558242

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

88

Lab Sample ID: LCS 880-57388/2-A Client Sample ID: Lab Control Sample

Matrix: Solid

Analysis Batch: 57372

Prep Type: Total/NA

Prep Batch: 57388

LCS LCS Surrogate %Recovery Qualifier Limits 1-Chlorooctane 96 70 - 130

70 - 130

1000

Lab Sample ID: LCSD 880-57388/3-A

Matrix: Solid

Analysis Batch: 57372

Client Sample ID: Lab Control Sample Dup

70 - 130

84

Prep Type: Total/NA Prep Batch: 57388

8

Spike LCSD LCSD %Rec RPD Analyte Added Result Qualifier Unit D %Rec Limits **RPD** Limit 1000 976.2 98 70 - 1308 20 Gasoline Range Organics mg/Kg

840.1

mg/Kg

Diesel Range Organics (Over

C10-C28)

(GRO)-C6-C10

o-Terphenyl

LCSD LCSD

Surrogate %Recovery Qualifier Limits 70 - 130 1-Chlorooctane 104 95 70 - 130 o-Terphenyl

Lab Sample ID: 890-4896-A-1-G MS Client Sample ID: Matrix Spike

Matrix: Solid

Analysis Batch: 57372

Prep Type: Total/NA

Prep Batch: 57388

Sample Sample MS MS Spike Added Analyte Result Qualifier Result Qualifier Unit D %Rec Limits Gasoline Range Organics <49.8 U 999 865.7 mg/Kg 84 70 - 130 (GRO)-C6-C10 Diesel Range Organics (Over <49.8 U 999 1088 mg/Kg 106 70 - 130

C10-C28)

MS MS

%Recovery Qualifier Surrogate Limits 70 - 130 1-Chlorooctane 111 o-Terphenyl 93 70 - 130

Lab Sample ID: 890-4896-A-1-H MSD Client Sample ID: Matrix Spike Duplicate

Matrix: Solid

Analysis Batch: 57372

Prep Type: Total/NA

Prep Batch: 57388

Sample Sample MSD MSD RPD Spike %Rec Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits RPD Limit Gasoline Range Organics U 999 915.8 <49.8 mg/Kg 89 70 - 130 6 20 (GRO)-C6-C10 Diesel Range Organics (Over <49.8 U 999 1132 mg/Kg 110 70 - 130 20

C10-C28)

MSD MSD

Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	118		70 - 130
o-Terphenyl	95		70 - 130

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Client Sample ID: Method Blank

Client Sample ID: Lab Control Sample

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Client Sample ID: Matrix Spike

Client Sample ID: Matrix Spike Duplicate

QC Sample Results

Client: Ensolum Job ID: 890-4904-1 Project/Site: PLU Phantom Banks Battery 25-25-30 SDG: 03C1558242

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-57289/1-A

Matrix: Solid

Analysis Batch: 57316

MB MB

Dil Fac Analyte Result Qualifier RL Unit D Prepared Analyzed Chloride <5.00 U 5.00 mg/Kg 07/10/23 11:12

Lab Sample ID: LCS 880-57289/2-A

Matrix: Solid

Analysis Batch: 57316

Spike LCS LCS %Rec Added Analyte Result Qualifier Unit D %Rec Limits Chloride 250 248.3 mg/Kg 99 90 - 110

Lab Sample ID: LCSD 880-57289/3-A

Matrix: Solid

Analysis Batch: 57316

LCSD LCSD RPD Spike %Rec Analyte Added Result Qualifier Unit %Rec Limits RPD Limit Chloride 250 246.3 mg/Kg 90 - 110

Lab Sample ID: 880-30481-A-1-D MS

Matrix: Solid

Analysis Batch: 57316

MS MS Sample Sample Spike %Rec Analyte Result Qualifier Added Result Qualifier %Rec Unit Limits Chloride 57.9 248 319.2 105 90 - 110 mg/Kg

Lab Sample ID: 880-30481-A-1-E MSD

Matrix: Solid

Analysis Batch: 57316

Sample Sample Spike MSD MSD %Rec RPD Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits RPD Limit 248 Chloride 57.9 319.7 mg/Kg 106 90 - 110 0 20

Client: Ensolum
Project/Site: PLU Phantom Banks Battery 25-25-30
Job ID: 890-4904-1
SDG: 03C1558242

GC VOA

Analysis Batch: 57254

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4904-1	FS01	Total/NA	Solid	8021B	57268
890-4904-2	SW01	Total/NA	Solid	8021B	57268
MB 880-57268/5-A	Method Blank	Total/NA	Solid	8021B	57268
LCS 880-57268/1-A	Lab Control Sample	Total/NA	Solid	8021B	57268
LCSD 880-57268/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	57268
880-30481-A-2-B MS	Matrix Spike	Total/NA	Solid	8021B	57268
880-30481-A-2-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	57268

Prep Batch: 57268

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4904-1	FS01	Total/NA	Solid	5035	
890-4904-2	SW01	Total/NA	Solid	5035	
MB 880-57268/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-57268/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-57268/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-30481-A-2-B MS	Matrix Spike	Total/NA	Solid	5035	
880-30481-A-2-C MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 57399

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4904-1	FS01	Total/NA	Solid	Total BTEX	
890-4904-2	SW01	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 57372

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4904-1	FS01	Total/NA	Solid	8015B NM	57388
890-4904-2	SW01	Total/NA	Solid	8015B NM	57388
MB 880-57388/1-A	Method Blank	Total/NA	Solid	8015B NM	57388
LCS 880-57388/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	57388
LCSD 880-57388/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	57388
890-4896-A-1-G MS	Matrix Spike	Total/NA	Solid	8015B NM	57388
890-4896-A-1-H MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	57388

Prep Batch: 57388

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4904-1	FS01	Total/NA	Solid	8015NM Prep	
890-4904-2	SW01	Total/NA	Solid	8015NM Prep	
MB 880-57388/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-57388/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-57388/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-4896-A-1-G MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-4896-A-1-H MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 57437

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4904-1	FS01	Total/NA	Solid	8015 NM	
890-4904-2	SW01	Total/NA	Solid	8015 NM	

Eurofins Carlsbad

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Client: Ensolum
Project/Site: PLU Phantom Banks Battery 25-25-30
Job ID: 890-4904-1
SDG: 03C1558242

HPLC/IC

Leach Batch: 57289

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4904-1	FS01	Soluble	Solid	DI Leach	_
890-4904-2	SW01	Soluble	Solid	DI Leach	
MB 880-57289/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-57289/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-57289/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-30481-A-1-D MS	Matrix Spike	Soluble	Solid	DI Leach	
880-30481-A-1-E MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 57316

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4904-1	FS01	Soluble	Solid	300.0	57289
890-4904-2	SW01	Soluble	Solid	300.0	57289
MB 880-57289/1-A	Method Blank	Soluble	Solid	300.0	57289
LCS 880-57289/2-A	Lab Control Sample	Soluble	Solid	300.0	57289
LCSD 880-57289/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	57289
880-30481-A-1-D MS	Matrix Spike	Soluble	Solid	300.0	57289
880-30481-A-1-E MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	57289

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Client: Ensolum Job ID: 890-4904-1 Project/Site: PLU Phantom Banks Battery 25-25-30 SDG: 03C1558242

Client Sample ID: FS01

Date Received: 07/06/23 14:30

Lab Sample ID: 890-4904-1 Date Collected: 07/06/23 10:10

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			5.03 g	5 mL	57268	07/10/23 09:14	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	57254	07/10/23 14:32	SM	EET MID
Total/NA	Analysis	Total BTEX		1			57399	07/11/23 12:01	SM	EET MID
Total/NA	Analysis	8015 NM		1			57437	07/11/23 18:13	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	57388	07/11/23 10:04	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	57372	07/11/23 16:56	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	57289	07/10/23 09:50	KS	EET MID
Soluble	Analysis	300.0		1			57316	07/10/23 11:58	CH	EET MID

Client Sample ID: SW01 Lab Sample ID: 890-4904-2

Date Collected: 07/06/23 10:15 Matrix: Solid

Date Received: 07/06/23 14:30

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	57268	07/10/23 09:14	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	57254	07/10/23 14:52	SM	EET MID
Total/NA	Analysis	Total BTEX		1			57399	07/11/23 12:01	SM	EET MID
Total/NA	Analysis	8015 NM		1			57437	07/11/23 18:13	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	57388	07/11/23 10:04	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	57372	07/11/23 17:19	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	57289	07/10/23 09:50	KS	EET MID
Soluble	Analysis	300.0		1			57316	07/10/23 12:14	CH	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Ensolum
Project/Site: PLU Phantom Banks Battery 25-25-30
Job ID: 890-4904-1
SDG: 03C1558242

Laboratory: Eurofins Midland

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

Authority	Pr	ogram	Identification Number	Expiration Date
Texas	NE	ELAP	T104704400-23-26	06-30-24
The following analytes	are included in this report, bu	it the laboratory is not certific	ed by the governing authority. This list ma	y include analytes for
the agency does not of	fer certification.	,	, gg,	.,
the agency does not of Analysis Method	fer certification . Prep Method	Matrix	Analyte	,
9 ,		•	, , ,	

Method Summary

Client: Ensolum Job ID: 890-4904-1 Project/Site: PLU Phantom Banks Battery 25-25-30

SDG: 03C1558242

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

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Eurofins Carlsbad

Sample Summary

Client: Ensolum

Project/Site: PLU Phantom Banks Battery 25-25-30

Job ID: 890-4904-1

SDG: 03C1558242

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Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-4904-1	FS01	Solid	07/06/23 10:10	07/06/23 14:30	1
890-4904-2	SW01	Solid	07/06/23 10:15	07/06/23 14:30	0 - 1

Relinquished by: (Signature)

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

Total 200.7 / 6010

200.8 / 6020:

8RCRA 13PPM Texas 11 Al Sb

TCLP / SPLP 6010 : 8RCRA

tice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Euro

iervice. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expen

rofins Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to i

Received by: (Signature)

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eurofins Xenco

Project Manager:

Ben Beill

Bill to: (if different)

Environment Testing

Chain of Custody

Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334 EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296 Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

SAMPLE RECEIPT

Temp Blank: Yex No

Yel No

Wet Ice:

Yas No

I comy

Parameters

10. 7

Cooler Custody Seals:

Yes Not NA Yes No WA

> Correction Factor: Thermometer ID:

samples Received Intact:

fotal Containers: sample Custody Seals:

Sample Identification

Matrix

Date

Time Sampled

Depth

Cont # of

Grab/ Comp

Corrected Temperature:

Temperature Reading:

TOMS FS01

10.15

0-1

Sampler's Name:

roject Location:

55、12的,189.45

03C155B2H2

Mariaha O'Del

TAT starts the day received by

the lab, if received by 4:30pm

Due Date:

5 days

Routine

Rush

Code

Turn Around

Project Number:

roject Name:

PLU Phanton Banks 25 25 30

989-854-0852

Email: (Garrett. Gree

City, State ZIP:

arispad NM

City, State ZIP:

ddress: ompany Name:

5122 Nahonal FOSOLUM LLC

Darks Hwi 88220

> Address: Company Name:

Work Order No:

Revised Date: 08/25/2020 Rev. 2020.2

7/11/2023

Login Sample Receipt Checklist

Client: Ensolum Job Number: 890-4904-1 SDG Number: 03C1558242

Login Number: 4904 List Source: Eurofins Carlsbad

List Number: 1 Creator: Clifton, Cloe

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

Login Sample Receipt Checklist

Client: Ensolum Job Number: 890-4904-1 SDG Number: 03C1558242

> **List Source: Eurofins Midland** List Creation: 07/10/23 08:30 AM

Creator: Rodriguez, Leticia

Login Number: 4904

List Number: 2

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

<6mm (1/4").



APPENDIX E

NMOCD Notifications

From: Hamlet, Robert, EMNRD To: Collins, Melanie

Cc: Ben Belill; Tacoma Morrissey; Green, Garrett J; DelawareSpills /SM; Bratcher, Michael, EMNRD; Harimon,

Jocelyn, EMNRD

Subject: (Extension Approval) - XTO - PLU Phantom Banks 25-25-30 Battery - Incident Number NAPP2310044397

Date: Wednesday, June 28, 2023 9:45:35 AM

Attachments: image003.png

[**EXTERNAL EMAIL**]

RE: Incident #NAPP2310044397

Melanie,

Your request for an extension to August 29th, 2023 is approved. Please include this e-mail correspondence in the remediation and/or closure report.

Robert Hamlet • Environmental Specialist - Advanced

Environmental Bureau EMNRD - Oil Conservation Division 506 W. Texas Ave. | Artesia, NM 88210 575.909.0302 | robert.hamlet@state.nm.us http://www.emnrd.state.nm.us/OCD/



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

Sent: Tuesday, June 27, 2023 1:11 PM

To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>; Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>; Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>; Harimon, Jocelyn, EMNRD < Jocelyn. Harimon@emnrd.nm.gov>

Cc: bbelill@ensolum.com; Tacoma Morrissey <tmorrissey@ensolum.com>; Green, Garrett J <garrett.green@exxonmobil.com>; DelawareSpills /SM <DelawareSpills@exxonmobil.com> Subject: [EXTERNAL] XTO - Extension Request - PLU Phantom Banks 25-25-30 Battery - Incident

Number NAPP2310044397

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

All,

XTO is requesting an extension for the current deadline of June 30, 2023 for submitting a remediation work plan or closure report required in 19.15.29.12.B.(1) NMAC at the PLU Phantom Banks 25-25-30 Battery (Incident Number NAPP2310044397). The release occurred on April 1, 2023, and initial site assessment and delineation activities have been completed. Excavation activities are scheduled to be completed the week of July 3, 2023. In order to complete remediation efforts, review the laboratory analytical results, and submit a remediation work plan or closure report, XTO requests an extension until August 29, 2023.

Thank you,

Melanie Collins

ENERGY

Environmental Technician

melanie.collins@exxonmobil.com

Collins, Melanie

From: Collins, Melanie

Sent: Sunday, April 2, 2023 2:57 PM

To: ocd.enviro (ocd.enviro@emnrd.nm.gov); Hamlet, Robert, EMNRD

(Robert.Hamlet@emnrd.nm.gov); Bratcher, Michael, EMNRD (mike.bratcher@emnrd.nm.gov); Harimon, Jocelyn, EMNRD

(Jocelyn.Harimon@emnrd.nm.gov)

Cc: Pennington, Shelby G; Green, Garrett J

Subject: 24-Hr notification Fire - PLU Phantom Banks 25-25-30 on 4/1/23

All,

This is notification of a fire that occurred yesterday at the PLU Phantom Banks 25-25-30 Battery near the coordinates listed below. No injuries were reported. Details will be provided with a Form C-141. Please reach out with questions or concerns.

(GPS 32.09396, -103.83606)

Thank you,

Melanie Collins

Environmental Technician

melanie.collins@exxonmobil.com

From: <u>Collins, Melanie</u>

To: ocd.enviro (ocd.enviro@emnrd.nm.gov); Bratcher, Michael, EMNRD (mike.bratcher@emnrd.nm.gov); Hamlet,

Robert, EMNRD (Robert.Hamlet@emnrd.nm.gov); Harimon, Jocelyn, EMNRD (Jocelyn.Harimon@emnrd.nm.gov)

Cc: Green, Garrett J; Tacoma Morrissey; DelawareSpills /SM

Subject: XTO - Sampling Notification (Week of 6/5/23 - 6/9/23)

Date: Thursday, June 1, 2023 12:49:06 PM

Attachments: <u>image001.png</u>

[**EXTERNAL EMAIL**]

All,

XTO plans to complete final sampling activities at the sites listed below for the week of June 5, 2023.

Monday

PLU Phantom Banks 25-25-30 Battery / nAPP2310044397

Tuesday

- PLU Phantom Banks 25-25-30 Battery / nAPP2310044397
- PLU BS 15H / NAB1821157574

Wednesday

- James Ranch Unit 2 702H / nAPP2211654411
- Outrider Fed 28 501H / nAPP2306054654

Thursday

Nash Deep East / nAPP2308136642

Friday

Nash Deep East / nAPP2308136642

Thank you,

Melanie Collins



Environmental Technician

melanie.collins@exxonmobil.com

From: <u>Collins, Melanie</u>

To: ocd.enviro (ocd.enviro@emnrd.nm.gov); Hamlet, Robert, EMNRD (Robert.Hamlet@emnrd.nm.gov); Bratcher,

Michael, EMNRD (mike.bratcher@emnrd.nm.gov); Harimon, Jocelyn, EMNRD (Jocelyn.Harimon@emnrd.nm.gov)

Cc: <u>Green, Garrett J</u>; <u>Ben Belill</u>

Subject: XTO - Sampling Notification (Week of 7/3/23 - 7/7/23)

Date: Thursday, June 29, 2023 10:55:09 AM

Attachments: <u>image001.png</u>

[**EXTERNAL EMAIL**]

All,

XTO plans to complete final sampling activities at the sites listed below for the week of July 3, 2023.

Thursday 7/6/23

PLU Phantom Banks 25-25-30 Battery/ nAPP2310044397

Friday 7/7/23

• PLU Phantom Banks 25-25-30 Battery/ nAPP2310044397

Thank you,

Melanie Collins



Environmental Technician

melanie.collins@exxonmobil.com

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

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

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

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

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

CONDITIONS

Action 257836

CONDITIONS

Operator:	OGRID:
XTO ENERGY, INC	5380
6401 Holiday Hill Road	Action Number:
Midland, TX 79707	257836
	Action Type:
	[C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	We have received your Remediation Closure Report for Incident #NAPP2310044397 PLU PHANTOM BANKS 25-25-30 BATTERY, thank you. This Remediation Closure Report is approved. Areas reasonably needed for production or subsequent drilling operations will need to be reclaimed and revegetated as soon as they are no longer reasonably needed. A report for reclamation and revegetation including pictures of the contoured backfilled excavation surface and a thorough discussion on reseeding mixture, vegetation ratio, timelines, etc, will need to be submitted and approved prior to this incident receiving the final status of "Restoration Complete".	1/23/2024