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	NAPP2205439646
District RP	
Facility ID	
Application ID	

# **Release Notification**

# **Responsible Party**

Responsible Party XTO Energy	OGRID 5380	
Contact Name Adrian Baker	Contact Telephone 432-236-3808	
Contact email adrian.baker@exxonmobil.com	Incident # (assigned by OCD)	
Contact mailing address 6401 Holiday Hill Rd Bldg 5, Midland, Texas, 79707		

# **Location of Release Source**

Latitude 32.21242

Longitude -103.91388 (NAD 83 in decimal degrees to 5 decimal places)

Site Name PLU 213	Site Type Tank Battery
Date Release Discovered 02/12/2022	API# (if applicable)

Unit Letter	Section	Township	Range	County
Р	18	24S	30E	Eddy

Surface Owner: State 💌 Federal 🗌 Tribal 🗌 Private (Name: \_\_\_\_

# Nature and Volume of Release

Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below)

✗ Crude Oil	Volume Released (bbls) 2.11	Volume Recovered (bbls) 0.00
✗ Produced Water	Volume Released (bbls) 14.14	Volume Recovered (bbls) 00.00
	Is the concentration of total dissolved solids (TDS) in the produced water >10,000 mg/l?	Yes No
Condensate	Volume Released (bbls)	Volume Recovered (bbls)
Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)
	mp controller on the two phase inlet separator failed, ca tor has been retained for remediation purposes.	using the separator to release fluids. A third-party

Dago	2
rage	4

NA

### Oil Conservation Division

Incident ID	NAPP2205439646
District RP	
Facility ID	
Application ID	

0	
Was this a major	If YES, for what reason(s) does the responsible party consider this a major release?
release as defined by	N/A
19.15.29.7(A) NMAC?	
🗌 Yes 🗶 No	
If YES, was immediate no	otice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?
N/A	

# **Initial Response**

The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury

 $\checkmark$  The source of the release has been stopped.

★ The impacted area has been secured to protect human health and the environment.

Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.

All free liquids and recoverable materials have been removed and managed appropriately.

If all the actions described above have not been undertaken, explain why:

Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.

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: Adrian Baker Signature: Adrian.baker@exxonmobil.com email:	Title:
OCD Only Received by: Ramona Marcus	Date: _2/23/2022

NAPP2205439646

Location:	PLU 213 Battery				
Spill Date:	2/12/2022				
	Area 1				
Approximate A	rea =	1094.00	sq. ft.		
Average Satura	tion (or depth) of spill =	4.00	inches		
Average Porosi	verage Porosity Factor = 0.25				
T-t-l Coude Oil	VOLUME OF LEAK	2.11			
Total Crude Oil =2.11 bblsTotal Produced Water =14.14 bbls					
TOTAL VOLUME OF LEAK					
Total Crude Oi	=	2.11	bbls		
Total Produced	Fotal Produced Water = 14.14		bbls		
	TOTAL VOLUME RECOVERED				
Total Crude Oi	=	0.00	bbls		
Total Produced	Water =	0.00	bbls		

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

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

District III

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

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

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

CONDITIONS

Operator:	OGRID:
XTO ENERGY, INC	5380
6401 Holiday Hill Road	Action Number:
Midland, TX 79707	83624
	Action Type:
	[C-141] Release Corrective Action (C-141)
CONDITIONS	

#### CONDITIONS

Created By		Condition Date
rmarcus	None	2/23/2022

Page 440 f /74

.

Action 83624

# Site Assessment/Characterization

This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release?	$\geq 100$ (ft bgs)
Did this release impact groundwater or surface water?	🗌 Yes 🛛 No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	🗌 Yes 🛛 No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	🗌 Yes 🛛 No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	🗌 Yes 🛛 No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	🗌 Yes 🛛 No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	🗌 Yes 🛛 No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	🗌 Yes 🛛 No
Are the lateral extents of the release within 300 feet of a wetland?	🗌 Yes 🛛 No
Are the lateral extents of the release overlying a subsurface mine?	🗌 Yes 🛛 No
Are the lateral extents of the release overlying an unstable area such as karst geology?	🗌 Yes 🛛 No
Are the lateral extents of the release within a 100-year floodplain?	🗌 Yes 🛛 No
Did the release impact areas <b>not</b> on an exploration, development, production, or storage site?	🗌 Yes 🕅 No

Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.

#### Characterization Report Checklist: Each of the following items must be included in the report.

- Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- Field data

Page 3

- Data table of soil contaminant concentration data
- $\square$  Depth to water determination
- Determination of water sources and significant watercourses within <sup>1</sup>/<sub>2</sub>-mile of the lateral extents of the release
- Boring or excavation logs
- Photographs including date and GIS information
- Topographic/Aerial maps
- Laboratory data including chain of custody

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

Received by OCD: 7	/12/2022 2:50:41 PM State of New Mexico			Page 6 of 7
			Incident ID	NAPP2205439646
Page 4	Oil Conservation Division		District RP	
			Facility ID	
			Application ID	
regulations all operat public health or the e failed to adequately i addition, OCD accep and/or regulations. Printed Name: Signature:	the information given above is true and complete to the tors are required to report and/or file certain release noti environment. The acceptance of a C-141 report by the C investigate and remediate contamination that pose a three stance of a C-141 report does not relieve the operator of Garrett Green T	fications and perform co OCD does not relieve the eat to groundwater, surfac responsibility for compl Title:Environmenta Date:07/12/202	prrective actions for rele operator of liability sho ce water, human health iance with any other feo al Coordinator 2	ases which may endanger buld their operations have or the environment. In deral, state, or local laws
OCD Only		Deter		
		Date		

Received by OCD: 7/12/2022 2:50:41 PM State of New Mexico

Oil Conservation Division

<u>Remediation Plan Checklist</u>: Each of the following items must be included in the plan.

Incident ID	NAPP2205439646
District RP	
Facility ID	
Application ID	

# **Remediation Plan**

Detailed description of proposed remediation technique Scaled sitemap with GPS coordinates showing delineation points Estimated volume of material to be remediated Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required) Deferral Requests Only: Each of the following items must be confirmed as part of any request for deferral of remediation. Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction. Extents of contamination must be fully delineated. Contamination does not cause an imminent risk to human health, the environment, or groundwater. I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. Garrett Green Printed Name: Title: Environmental Coordinator Signature: \_\_\_\_\_\_\_\_Satt Sur Date: 07/12/2022 Garrett.Green@ExxonMobil.com Telephone: \_\_\_575-200-0729\_\_\_\_\_ email: OCD Only Date: Received by: Approved Approved with Attached Conditions of Approval Denied Deferral Approved ennifer Nobui Date: 08/29/2022 Signature:

Page 5



July 12, 2022

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

### Re: Remediation Work Plan PLU 213 Tank Battery Incident Number NAPP2205439646 Eddy County, New Mexico

To Whom It May Concern:

Ensolum, LLC (Ensolum) on behalf of XTO Energy, Inc. (XTO), has prepared the following Remediation Work Plan to document the site assessment and soil sampling activities completed to date and propose a work plan to address the impacted soil identified at the PLU 213 Tank Battery (Site). The following Work Plan proposes excavation of the impacted soil and to install a soil boring to investigate depth to water to confirm the Closure Criteria at the Site.

#### SITE DESCRIPTION AND RELEASE SUMMARY

The Site is located in Unit P, Section 18, Township 24 South, Range 30 East, in Eddy County, New Mexico (32.21242° N, 103.91388° W) and is associated with oil and gas exploration and production operations on federal land managed by the New Mexico Bureau of Land Management (BLM).

On February 12, 2022, the dump controller on the two-phase inlet separator failed, resulting in the release of approximately 14.14 barrels (bbls) of produced water and 2.11 bbls of crude oil in an area surrounded by active production equipment. Released fluids were not recovered. XTO reported the release to the New Mexico Oil Conservation Division (NMOCD) on a Release Notification Form C-141 (Form C-141) on February 23, 2022. The release was assigned Incident Number NAPP2205439646.

### SITE CHARATERIZATION AND CLOSURE CRITERIA

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

Depth to groundwater at the Site is greater than 100 feet below ground surface (bgs) based on the nearest groundwater well data. The nearest groundwater well with depth to groundwater data is New Mexico Office of the State Engineer (NMOSE) well C-02109 located approximately 0.67 miles south of the Site. The groundwater well has a reported depth to groundwater of 130 feet bgs and a total depth of

150 feet bgs. All wells used for depth to water determination are depicted on Figure 1 and the referenced well records are included in Appendix A.

The closest continuously flowing or significant watercourse to the Site is a dry wash, located approximately 574 feet south of the Site. The Site is greater than 200 feet from a lakebed, sinkhole, or playa lake and greater than 300 feet from an occupied residence, school, hospital, institution, church, or wetland. The Site is greater than 1,000 feet to a freshwater well or spring and is not within a 100-year floodplain or overlying a subsurface mine. The Site is not underlain by unstable geology (low potential karst designation area). Site receptors are identified on Figure 1.

Based on the results of the Site Characterization, the following NMOCD Table 1 Closure Criteria (Closure Criteria) apply:

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

## SITE ASSESSMENT AND SOIL SAMPLING ACTIVITIES

On April 26, 2022 and April 28, 2022, Ensolum personnel completed a Site visit to evaluate the release extent based on information provided on the Form C-141 and visual observations. Eight preliminary assessment soil samples (SS01 through SS08) were collected within and around the release extent from a depth of 0.5 feet bgs. Preliminary assessment samples SS01 through SS04 were collected within the release extent in an area containing active production equipment. Preliminary assessment samples SS05 through SS08 were collected around the release extent to confirm the lateral exent of the release. The preliminary soil samples were field screened for volatile organic compounds (VOCs) utilizing a calibrated photoionization detector (PID) and chloride Hach<sup>®</sup> chloride QuanTab<sup>®</sup> test strips. The release extent and preliminary assessment soil sample locations were mapped utilizing a handheld Global Positioning System (GPS) unit and are depicted on Figure 2. Photographic documentation was completed during the Site visit and a photographic log is included in Appendix B.

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

### LABORATORY ANALYTICAL RESULTS

Laboratory analytical results for preliminary assessment soil samples SS01 and SS04, collected within the release extent, indicated benzene, BTEX, TPH-GRO/TPH-DRO, TPH, and chloride concentrations were compliant with the Site Closure Criteria. Laboratory analytical results for preliminary soil samples SS02 and SS03, collected within the release extent, indicated TPH-GRO/TPH-DRO and/or TPH concentrations exceeded the Site Closure Criteria.

Laboratory analytical results for preliminary assessment soil samples SS05 through SS08, collected around the release extent, indicated benzene, BTEX, TPH-GRO/TPH-DRO, TPH, and chloride

concentrations were compliant with the most stringent Table 1 Closure Criteria and successfully defined the lateral extent of the release.

#### **PROPOSED REMEDIATION WORK PLAN**

XTO proposes installation of a depth to water boring within 0.5 miles of the release to confirm the applied Closure Criteria and excavation of the TPH impacted soil to below the established Closure Criteria.

In order to confirm depth to groundwater is greater than 100 feet bgs at the Site and verify the applied Closure Criteria, Ensolum and XTO propose to complete a depth to water boring within 0.5 miles of the release. The soil boring will be advanced to a depth of approximately 105 feet bgs or until groundwater is encountered. An Ensolum geologist will log and describe soils continuously and will document observations on a lithologic/ soil sampling log. The borehole will be left open for over 72 hours to allow for the potential slow infill of groundwater. Following the 72-hour waiting period depth to groundwater will be measured or the Ensolum geologist will confirm the boring is dry. The borehole will be properly abandoned following New Mexico Office of the State Engineer procedures. Ensolum and XTO will include documentation of the soil boring installation and lithologic/ soil sampling log in the subsequent closure request.

The results from the preliminary assessment soil sampling indicate soil containing elevated TPH concentrations is in an approximately 430 square foot area around soil samples SS02 and SS03. Excavation of impacted soil near the areas of SS02 and SS03 has been initiated. However, laboratory analytical results are currently pending. Once the depth to water boring is complete, if necessary, additional soil removal activities will be completed. Following a review of the final analytical results a Closure Request will be submitted with the final confirmation laboratory analytical results.

The depth to water soil boring will be completed as soon as possible following approval from the surface landowner, receipt of the NMOSE drilling permit, and scheduling with a driller. A Closure Request will be submitted within 90 days of approval of this Work Plan by the NMOCD.

If you have any questions or comments, please contact Ms. Ashley Ager at (970) 496-1093 or aager@ensolum.com.

Sincerely, Ensolum, LLC

alei Jennings

Kalei Jennings Senior Scientist

Ashley L. ager

Ashley Ager, P.G. Program Director

cc: Garrett Green, XTO New Mexico Bureau of Land Management

Appendices:

Figure 1Site Location MapFigure 2Preliminary Soil Sample Locations

PLU 213 Tank Battery

**E** ENSOLUM

- Table 1 Soil Sample Analytical Results
- Referenced Well Records Appendix A
- Appendix B Photographic Log
- Laboratory Analytical Reports & Chain-of-Custody Documentation NMOCD Notifications Appendix C
- Appendix D



FIGURES

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# TABLES

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# **ENSOLUM**

				Ρ	TABLE 1 PLE ANALYTICA LU 213 Tank Batt XTO Energy, Inc y County, New M	ery				
Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table 1 C	losure Criteria (	NMAC 19.15.29)	10	50	NE	NE	NE	1,000	2,500	20,000
				Prelimina	ry Assessment S	oil Samples	•		•	•
SS01	04/26/2022	0.5	<0.00198	<0.00396	<49.9	366	<49.9	366	366	9,450
SS02	04/26/2022	0.5	<0.00199	<0.00398	705	1,090	<49.9	1,800	1,800	11,900
SS03	04/26/2022	0.5	<0.00200	<0.00401	<50.0	3,090	<50.0	3,090	3,090	8,670
SS04	04/26/2022	0.5	<0.00202	<0.00403	<49.8	871	<49.8	871	871	2,770
SS05	04/28/2022	0.5	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	<50.0	78.3
SS06	04/28/2022	0.5	0.00473	0.0148	<50.0	<50.0	<50.0	<50.0	<50.0	118
SS07	04/28/2022	0.5	<0.00202	<0.00404	<50.0	<50.0	<50.0	<50.0	<50.0	11.3
SS08	04/28/2022	0.5	<0.00202	<0.00403	<49.9	<49.9	<49.9	<49.9	<49.9	7.06

GRO: Gasoline Range Organics

DRO: Diesel Range Organics ORO: Oil Range Organics

Notes:

bgs: below ground surface

mg/kg: milligrams per kilogram

NMOCD: New Mexico Oil Conservation Division

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

TPH: Total Petroleum Hydrocarbon Concentrations in bold exceed the NMOCD Table 1 Closure Criteria or reclamation

standard where applicable.  $\square$ 

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# APPENDIX A

**Referenced Well Records** 



Released to Imaging: 8/29/2022 11:36:30 AM

# New Mexico Office of the State Engineer Water Right Summary

	WR File Number:	C 0210	9	Subbasi	n: CUB	Cross	Reference:	-	
	Primary Purpose:	STK	72-12-1 LI	72-12-1 LIVESTOCK WATERING					
<u>get image list</u>	<b>Primary Status:</b>	DCL	DECLARA	TION					
	<b>Total Acres:</b>	0		Subfile:	-			Header: -	
	<b>Total Diversion:</b>	3		Cause/C	ase: -				
	Owner:	TYSON	N MAHAFFE	ĊΥ					
	Owner:	LESLI	E MAHAFFE	ĊΥ					
Document	x s on File								
			Status			From/			
	Trn # Doc File/A	Act	1 2	Transaction I	Desc.	То	Acres	Diversion C	onsumptive
images get	524180 COWNF 2013	<u>3-03-05</u>	CHG PRC	C 02109		Т	0	0	
	<u>199339 DCL 1984-06</u>	<u>-14</u>	DCL PRC	C 02109		Т	0	3	
		Tag So	-	<b>Q4Sec Tws Rn</b> 4 19 24S 301	g	UTM in meters) X Y 30 3563412	<b>Other</b>	Location Desc	
Place of U	x se								
	Q Q 256 64 Q16 Q4Sec Tw	s Rng	Acres D	iversion 3	CU Use STK	Priority		<b>r Location Des</b> PLACE OF US	
Source	х								
	Acres D	iversion 3		J <b>se Priority</b> TK	Source GW	Description			
The data is furn concerning the	nished by the NMOSE/ISC a accuracy, completeness, relia	nd is accept Ibility, usab	ed by the recipion ility, or suitability	ent with the expre- ty for any particula	ssed understa ar purpose of	nding that the the data.	OSE/ISC make	no warranties, ex	pressed or implie

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# New Mexico Office of the State Engineer Point of Diversion Summary

		(quarters are 1=NW 2=NI (quarters are smallest to		(NAD83 UTM in meters)		
Well Tag	POD Number	Q64 Q16 Q4 Sec	Tws Rng	X Y		
	C 02109	1 2 4 19	24S 30E	602130 3563412 🌍		
x Driller Lic	cense:	<b>Driller Company:</b>				
Driller Na	me: UNKNOWN					
Drill Start	Date:	Drill Finish Date:	12/31/1963	P63 Plug Date:		
Log File D	ate:	PCW Rcv Date:		Source:		
		Dina Disaharga Sizat		Estimated Yield:	40 GPM	
Ритр Тур	e:	Pipe Discharge Size:		Estimateu Heiu.	40 GrM	

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

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POINT OF DIVERSION SUMMARY



**National Water Information System: Web Interface** 

**USGS Water Resources** 

Data Category: Groundwater

**USGS Home Contact USGS** Search USGS

> ~ GO

United States

**Geographic Area:** 

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## Click to hideNews Bulletins

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

Groundwater levels for the Nation

Important: <u>Next Generation Monitoring Location Page</u>

### Search Results -- 1 sites found

Agency code = usgs

site\_no list =

• 321205103544701

Minimum number of levels = 1Save file of selected sites to local disk for future upload

# USGS 321205103544701 24S.30E.19.42113

Eddy County, New Mexico Latitude 32°12'05", Longitude 103°54'47" NAD27 Land-surface elevation 3,188 feet above NAVD88 The depth of the well is 452 feet below land surface. This well is completed in the Pecos River Basin alluvial aquifer (N100PCSRVR) national aquifer. This well is completed in the Rustler Formation (312RSLR) local aquifer.

**Output formats** 

Table of data

Tab-separated data

Graph of data

Reselect period



Date	Time	? Water- level date- time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source of measurement	? Water- level approval status
1958-10-24		D	62610		2958.66	NGVD29	1	Z			A
1958-10-24		D	62611		2960.30	NAVD88	1	Z			A
1958-10-24		D	72019	227.70			1	Z			A
1959-03-19		D	62610		2958.61	NGVD29	1	Z			A
1959-03-19		D	62611		2960.25	NAVD88	1	Z			A
1959-03-19		D	72019	227.75			1	Z			A
1975-12-10		D	62610		2954.58	NGVD29	1	Z			A
1975-12-10		D	62611		2956.22	NAVD88	1	Z			A
1975-12-10		D	72019	231.78			1	Z			A
1976-01-16		D	62610		2949.10	NGVD29	1	Z			A
1976-01-16		D	62611		2950.74	NAVD88	1	Z			A
1976-01-16		D	72019	237.26			1	Z			A
1976-12-01		D	62610		2955.63	NGVD29	1	Z			A
1976-12-01		D	62611		2957.27	NAVD88	1	Z			A
1976-12-01		D	72019	230.73			1	Z			A
1977-01-14		D	62610		2955.74	NGVD29	1				A
1977-01-14		D	62611		2957.38	NAVD88	1	Z			A
1977-01-14		D	72019	230.62			1				A
1983-02-01		D	62610		2950.43	NGVD29	1	Z			Д
1983-02-01		D			2952.07	NAVD88	1				A
1983-02-01		D		235.93			1				A
1987-10-15		D			2953.06	NGVD29	1				A
1987-10-15		D			2954.70	NAVD88	1				A
1987-10-15		D		233.30			1				A
1998-01-27		D			2955.34	NGVD29	1				A
1998-01-27		D			2956.98	NAVD88	1				A
1998-01-27		D	72019	231.02			1	S			A

Explanation

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8/2	Refe
9/20	Refe
122	Stat
11:	Metl
36:	Met
30 /	Меа
1M	Sou

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

Questions about sites/data?Feedback on this web siteAutomated retrievalsHelpData TipsExplanation of termsSubscribe for system changesNews

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

URL: https://nwis.waterdata.usgs.gov/nwis/gwlevels? Page Contact Information: USGS Water Data Support Team

Page Contact Information: <u>USGS Water Data Support Team</u> Page Last Modified: 2022-07-11 21:41:06 EDT 0.3 0.25 nadww02 USA.gov



USGS Home Contact USGS Search USGS

# National Water Information System: Web Interface

USGS Water Resources	Data Category:	Geographic Area:	
osos water resources	Groundwater	<ul> <li>United States</li> </ul>	✓ GO

# Click to hideNews Bulletins

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

Groundwater levels for the Nation

Important: <u>Next Generation Monitoring Location Page</u>

# Search Results -- 1 sites found

site\_no list =

• 321205103544701

# **Minimum number of levels =** 1

Save file of selected sites to local disk for future upload

# USGS 321205103544701 24S.30E.19.42113

Available data for this site Groundwater: Field measurements V GO

Eddy County, New Mexico Hydrologic Unit Code 13060011 Latitude 32°12'05", Longitude 103°54'47" NAD27 Land-surface elevation 3,188 feet above NAVD88 The depth of the well is 452 feet below land surface. This well is completed in the Pecos River Basin alluvial aquifer (N100PCSRVR) national aquifer. This well is completed in the Rustler Formation (312RSLR) local aquifer.



- Period of approved data

Breaks in the plot represent a gap of at least one year between field measurements. Download a presentation-quality graph

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

Page Contact Information: <u>USGS Water Data Support Team</u> Page Last Modified: 2022-07-11 21:40:42 EDT 0.6 0.53 nadww02





# APPENDIX B

Photographic Log





# APPENDIX C

Laboratory Analytical Reports & Chain of Custody Documentation

Received by OCD: 7/12/2022 2:50:41 PM

# 🔅 eurofins

# Environment Testing America

# **ANALYTICAL REPORT**

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

# Laboratory Job ID: 890-2250-1

Laboratory Sample Delivery Group: 03E1558014 Client Project/Site: PLU 213

# For:

Ensolum 705 W. Wadley Suite 210 Midland, Texas 79701

Attn: Kalei Jennings

RAMER

Authorized for release by: 5/9/2022 2:48:23 PM

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

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

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

LINKS **Review your project** results through Total Access **Have a Question?** Ask-The Expert Visit us at: www.eurofinsus.com/Env

Released to Imaging: 8/29/2022 11:36:30 AM

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	Definitions/Glossary	
Client: Ensolum		Job ID: 890-2250-1
Project/Site: PL	U 213	SDG: 03E1558014
Qualifiers		
GC VOA		
Qualifier	Qualifier Description	
F1	MS and/or MSD recovery exceeds control limits.	
F2	MS/MSD RPD exceeds control limits	
S1+	Surrogate recovery exceeds control limits, high biased.	
U	Indicates the analyte was analyzed for but not detected.	
GC Semi VOA		
Qualifier	Qualifier Description	
U	Indicates the analyte was analyzed for but not detected.	
HPLC/IC		
Qualifier	Qualifier Description	
U	Indicates the analyte was analyzed for but not detected.	
Glossary		
Abbreviation	These commonly used abbreviations may or may not be present in this report.	
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis	
%R	Percent Recovery	
CFL	Contains Free Liquid	
CFU	Colony Forming Unit	
CNF	Contains No Free Liquid	
DER	Duplicate Error Ratio (normalized absolute difference)	
Dil Fac	Dilution Factor	
DL	Detection Limit (DoD/DOE)	
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample	
DLC	Decision Level Concentration (Radiochemistry)	
EDL	Estimated Detection Limit (Dioxin)	
LOD	Limit of Detection (DoD/DOE)	
LOQ	Limit of Quantitation (DoD/DOE)	
MCL	EPA recommended "Maximum Contaminant Level"	
MDA	Minimum Detectable Activity (Radiochemistry)	
MDC	Minimum Detectable Concentration (Radiochemistry)	
MDL	Method Detection Limit	
ML	Minimum Level (Dioxin)	
MPN	Most Probable Number	
MQL	Method Quantitation Limit	
NC	Not Calculated	
ND	Not Detected at the reporting limit (or MDL or EDL if shown)	
NEG	Negative / Absent	
POS	Positive / Present	
PQL	Practical Quantitation Limit	
PRES	Presumptive	
QC	Quality Control	
RER	Relative Error Ratio (Radiochemistry)	
RL	Reporting Limit or Requested Limit (Radiochemistry)	

- RPD Relative Percent Difference, a measure of the relative difference between two points
- TEF
   Toxicity Equivalent Factor (Dioxin)

   TEQ
   Toxicity Equivalent Quotient (Dioxin)
- TNTC Too Numerous To Count

### **Case Narrative**

Client: Ensolum Project/Site: PLU 213

Job ID: 890-2250-1

#### Laboratory: Eurofins Carlsbad

#### Narrative

Job Narrative 890-2250-1

#### Comments

No additional comments.

#### Receipt

The samples were received on 4/27/2022 8:21 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 0.8° C.

#### GC VOA

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

#### GC Semi VOA

Method 8015B NM: The wrong vials were typed into the physical sequence for CCV injection. The primary and final verifications were acceptable and based on that and all other LCS/LCSD reporting acceptable the data was qualified and reported.

(CCV 880-24609/28) and (CCV 880-24609/39)

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

#### **General Chemistry**

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

#### **Organic Prep**

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

#### VOA Prep

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

Method: 8021B - Volatile Organic Compounds (GC)

Result Qualifier

<0.00198 U

<0.00198 U

<0.00198 U

<0.00396 U

<0.00198 U

RL

0.00198

0.00198

0.00198

0.00396

0.00198

Unit

mg/Kg

mg/Kg

mg/Kg

mg/Kg

mg/Kg

D

Prepared

05/07/22 13:13

05/07/22 13:13

05/07/22 13:13

05/07/22 13:13

05/07/22 13:13

Job ID: 890-22 SDG: 03

# **Client Sample ID: SS01**

Date Collected: 04/26/22 10:25 Date Received: 04/27/22 08:21

Sample Depth: 0.5

Client: Ensolum

Analyte

Benzene

Toluene

o-Xylene

Ethylbenzene

m-Xylene & p-Xylene

Project/Site: PLU 213

# Lab Sample ID: 89

Job ID: 890		
SDG: 03E1	1558014	2
ple ID: 890- Matri	2250-1 x: Solid	3
		4
		5
Analyzed	Dil Fac	
05/08/22 19:24	1	6
05/08/22 19:24	1	
05/08/22 19:24	1	7
05/08/22 19:24	1	
05/08/22 19:24	1	8
05/08/22 19:24	1	
A	D# 5	9
Analyzed	Dil Fac	
05/08/22 19:24	1	10
00/00/22 19.24	1	
		11
Analyzed	Dil Fac	
05/09/22 11:41	1	12
Analyzed	Dil Fac	13
05/03/22 16:49	1	
00,00,22 10110		14
Analyzed	Dil Fac	
05/02/22 17:36	1	
05/02/22 17:36	1	
05/02/22 17:36	1	

	~0.00190	0	0.00190	mg/rtg		03/01/22 13.13	03/00/22 19.24	1
Xylenes, Total	<0.00396	U	0.00396	mg/Kg		05/07/22 13:13	05/08/22 19:24	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	198	S1+	70 - 130			05/07/22 13:13	05/08/22 19:24	1
1,4-Difluorobenzene (Surr)	79		70 - 130			05/07/22 13:13	05/08/22 19:24	1
Method: Total BTEX - Total BTEX	Calculation							
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396	mg/Kg			05/09/22 11:41	1
Method: 8015 NM - Diesel Range	Organics (DR	O) (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	366		49.9	mg/Kg			05/03/22 16:49	1
- Method: 8015B NM - Diesel Range	Organics (D	RO) (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		04/28/22 13:59	05/02/22 17:36	1
Diesel Range Organics (Over C10-C28)	366		49.9	mg/Kg		04/28/22 13:59	05/02/22 17:36	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		04/28/22 13:59	05/02/22 17:36	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	118		70 - 130			04/28/22 13:59	05/02/22 17:36	1
o-Terphenyl 	123		70 - 130			04/28/22 13:59	05/02/22 17:36	1
Method: 300.0 - Anions, Ion Chroi	natography -	Soluble						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	9450		99.6	mg/Kg			05/01/22 20:30	20
Client Sample ID: SS01A						Lab San	nple ID: 890-	2250-2
Date Collected: 04/26/22 13:30							Matri	x: Solid
Date Received: 04/27/22 08:21								
Sample Depth: 1								
Method: 8021B - Volatile Organic	Compounds (	(GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U F1 F2	0.00199	mg/Kg	_	05/07/22 13:16	05/09/22 07:16	1
Toluene	<0.00199	U F1 F2	0.00199	mg/Kg		05/07/22 13:16	05/09/22 07:16	1
Ethylbenzene	<0.00199	U F1 F2	0.00199	mg/Kg		05/07/22 13:16	05/09/22 07:16	1
m-Xylene & p-Xylene	<0.00398	U F1 F2	0.00398	mg/Kg		05/07/22 13:16	05/09/22 07:16	1
o-Xylene	<0.00199	U F1 F2	0.00199	mg/Kg		05/07/22 13:16	05/09/22 07:16	1

Xylenes, Total <0.00398 U F1 F2 0.00398 05/07/22 13:16 05/09/22 07:16 mg/Kg Surrogate %Recovery Qualifier Limits Prepared Analyzed 4-Bromofluorobenzene (Surr) 101 70 - 130 05/07/22 13:16 05/09/22 07:16

**Eurofins Carlsbad** 

1

1

Dil Fac

5

# **Client Sample Results**

Job ID: 890-2250-1 SDG: 03E1558014

# Lab Sample ID: 890-2250-2

Matrix: Solid

**Client Sample ID: SS01A** Date Collected: 04/26/22 13:30

Project/Site: PLU 213

Date Received: 04/27/22 08:21

Sample Depth: 1

Client: Ensolum

Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	90		70 - 130			05/07/22 13:16	05/09/22 07:16	1
- Method: Total BTEX - Total BTEX	(Calculation							
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			05/09/22 11:41	1
- Method: 8015 NM - Diesel Range	Organics (DR	0) (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			05/03/22 16:49	1
- Method: 8015B NM - Diesel Rang	e Organics (D	RO) (GC)						
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		04/28/22 13:59	05/02/22 17:58	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		04/28/22 13:59	05/02/22 17:58	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		04/28/22 13:59	05/02/22 17:58	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane			70 - 130			04/28/22 13:59	05/02/22 17:58	1
o-Terphenyl	109		70 - 130			04/28/22 13:59	05/02/22 17:58	1
Method: 300.0 - Anions, Ion Chro	omatography -	Soluble						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	174		4.96	mg/Kg			05/01/22 20:39	1
Client Sample ID: SS01B						Lab Sar	nple ID: 890-	2250-3
Date Collected: 04/26/22 13:40							Matri	x: Solid
Date Received: 04/27/22 08:21								
Sample Depth: 3								
- Method: 8021B - Volatile Organic	c Compounds (	GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	< 0.00199	<u> </u>	0.00199	mg/Kg		05/07/22 13:16	05/09/22 07:37	1

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		05/07/22 13:16	05/09/22 07:37	1
Toluene	<0.00199	U	0.00199	mg/Kg		05/07/22 13:16	05/09/22 07:37	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		05/07/22 13:16	05/09/22 07:37	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		05/07/22 13:16	05/09/22 07:37	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		05/07/22 13:16	05/09/22 07:37	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		05/07/22 13:16	05/09/22 07:37	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130			05/07/22 13:16	05/09/22 07:37	1
1,4-Difluorobenzene (Surr)	88		70 - 130			05/07/22 13:16	05/09/22 07:37	1
- Method: Total BTEX - Total BT	EX Calculation							
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			05/09/22 11:41	1
- Method: 8015 NM - Diesel Ran	ge Organics (DR	O) (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0		50.0	mg/Kg			05/03/22 16:49	

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Job ID: 890-2250-1 SDG: 03E1558014

Lab Sample ID: 890-2250-3

# **Client Sample ID: SS01B**

Date Collected: 04/26/22 13:40 Date Received: 04/27/22 08:21

Sample Depth: 3

Project/Site: PLU 213

Client: Ensolum

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0	mg/Kg		04/28/22 13:59	05/02/22 18:19	1
(GRO)-C6-C10	50.0		50.0			0.1/00/00 10 50		
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		04/28/22 13:59	05/02/22 18:19	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		04/28/22 13:59	05/02/22 18:19	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 130			04/28/22 13:59	05/02/22 18:19	1
o-Terphenyl	102		70 - 130			04/28/22 13:59	05/02/22 18:19	1
Method: 300.0 - Anions, Ion Chro	matography -	Soluble						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	103		5.00	mg/Kg			05/01/22 21:06	1
lient Sample ID: SS01C						Lab Sar	nple ID: 890-	2250-4
ate Collected: 04/26/22 14:00							Matri	x: Solid
ate Received: 04/27/22 08:21								
ample Depth: 4								

**Client Sample Results** 

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		05/07/22 13:16	05/09/22 07:57	1
Toluene	<0.00200	U	0.00200	mg/Kg		05/07/22 13:16	05/09/22 07:57	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		05/07/22 13:16	05/09/22 07:57	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		05/07/22 13:16	05/09/22 07:57	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		05/07/22 13:16	05/09/22 07:57	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		05/07/22 13:16	05/09/22 07:57	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130			05/07/22 13:16	05/09/22 07:57	1
1,4-Difluorobenzene (Surr)	98		70 - 130			05/07/22 13:16	05/09/22 07:57	1
Method: Total BTEX - Total BTEX	<b>Calculation</b>							
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			05/09/22 11:41	1
Method: 8015 NM - Diesel Range	Organics (DR	O) (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			05/03/22 16:49	1
Method: 8015B NM - Diesel Rang	ge Organics (D	RO) (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.9	U	49.9	mg/Kg		04/28/22 13:59	05/02/22 18:41	1
0 0								
(GRO)-C6-C10 Diesel Range Organics (Over	<49.9	U	49.9	mg/Kg		04/28/22 13:59	05/02/22 18:41	1
(GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	<49.9 <49.9		49.9 49.9	mg/Kg mg/Kg		04/28/22 13:59 04/28/22 13:59	05/02/22 18:41 05/02/22 18:41	1
(GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)		U		0.0				
(GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorooctane	<49.9	U	49.9	0.0		04/28/22 13:59	05/02/22 18:41	1

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		Clien	t Sample Re	sults				
Client: Ensolum							Job ID: 890	-2250-
Project/Site: PLU 213							SDG: 03E1	1558014
Client Sample ID: SS01C						Lab San	nple ID: 890-	2250-4
Date Collected: 04/26/22 14:00							-	ix: Solie
Date Received: 04/27/22 08:21								
Sample Depth: 4								
-								
Method: 300.0 - Anions, Ion Chr			ы	11-14		Drevered	Analyzad	
Analyte Chloride	Kesuit 41.0	Qualifier	RL 4.98	Unit mg/Kg	D	Prepared	Analyzed 05/01/22 21:15	Dil Fa
-				0.0				0050
Client Sample ID: SS02						Lab San	nple ID: 890-	
Date Collected: 04/26/22 10:15							Matri	ix: Soli
Date Received: 04/27/22 08:21								
Sample Depth: 0.5								
Method: 8021B - Volatile Organi	c Compounds (	(GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	< 0.00199	U	0.00199	mg/Kg		05/07/22 13:16	05/09/22 08:17	
Toluene	<0.00199	U	0.00199	mg/Kg		05/07/22 13:16	05/09/22 08:17	
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		05/07/22 13:16	05/09/22 08:17	
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		05/07/22 13:16	05/09/22 08:17	
o-Xylene	<0.00199	U	0.00199	mg/Kg		05/07/22 13:16	05/09/22 08:17	
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		05/07/22 13:16	05/09/22 08:17	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)			70 - 130			05/07/22 13:16	05/09/22 08:17	
1,4-Difluorobenzene (Surr)	92		70 - 130			05/07/22 13:16	05/09/22 08:17	
_ Method: Total BTEX - Total BTE	X Calculation							
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Total BTEX	<0.00398		0.00398	mg/Kg			05/09/22 11:41	
 Method: 8015 NM - Diesel Rang	Organica (DD							
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Total TPH	1800		49.9	mg/Kg			05/03/22 16:49	
Mathadi 2015D NM Dissal Dan	na Ormaniaa (D							
Method: 8015B NM - Diesel Ran Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Gasoline Range Organics	705		49.9	mg/Kg		04/28/22 13:59	05/02/22 19:03	
(GRO)-C6-C10	100		10.0	mg/rtg		0 1/20/22 10:00	00/02/22 10:00	
Diesel Range Organics (Over	1090		49.9	mg/Kg		04/28/22 13:59	05/02/22 19:03	
C10-C28)								
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		04/28/22 13:59	05/02/22 19:03	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
1-Chlorooctane	109		70 - 130			04/28/22 13:59	05/02/22 19:03	
o-Terphenyl	106		70 - 130			04/28/22 13:59	05/02/22 19:03	
- Method: 300.0 - Anions, Ion Chr	omatography -	Soluble						
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Chloride			99.0				-	

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Method: 8021B - Volatile Organic Compounds (GC)

Job ID: 890-2250-1 SDG: 03E1558014

#### **Client Sample ID: SS02A**

Date Collected: 04/26/22 10:45 Date Received: 04/27/22 08:21

Sample Depth: 1

Project/Site: PLU 213

Client: Ensolum

# Lab Sample ID: 890-2250-6

Matrix: Solid

5

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		05/07/22 13:16	05/09/22 08:38	1
Toluene	<0.00199	U	0.00199	mg/Kg		05/07/22 13:16	05/09/22 08:38	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		05/07/22 13:16	05/09/22 08:38	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		05/07/22 13:16	05/09/22 08:38	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		05/07/22 13:16	05/09/22 08:38	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		05/07/22 13:16	05/09/22 08:38	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	118		70 - 130			05/07/22 13:16	05/09/22 08:38	1
1,4-Difluorobenzene (Surr)	99		70 - 130			05/07/22 13:16	05/09/22 08:38	1
Method: Total BTEX - Total BTEX	Calculation							
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			05/09/22 11:41	1
Method: 8015 NM - Diesel Range	Organics (DR	O) (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			05/03/22 16:49	
Method: 8015B NM - Diesel Rang	ge Organics (D	RO) (GC)						
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		04/28/22 13:59	05/02/22 19:46	
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		04/28/22 13:59	05/02/22 19:46	
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		04/28/22 13:59	05/02/22 19:46	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
1-Chlorooctane	102		70 - 130			04/28/22 13:59	05/02/22 19:46	
p-Terphenyl	111		70 - 130			04/28/22 13:59	05/02/22 19:46	
Method: 300.0 - Anions, Ion Chro	omatography -	Soluble						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	241		4.97	mg/Kg			05/01/22 21:32	
lient Sample ID: SS02B						Lab Sar	nple ID: 890-	2250-
ate Collected: 04/26/22 11:40							Matri	x: Solie
ate Received: 04/27/22 08:21								
ample Depth: 4								
Method: 8021B - Volatile Organio	c Compounds (	(GC)						
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	< 0.00200	U	0.00200	mg/Kg		05/07/22 13:16	05/09/22 08:58	
Toluene	<0.00200		0.00200	mg/Kg		05/07/22 13:16	05/09/22 08:58	
Ethylhenzene	<0.00200		0 00200	ma/Ka		05/07/22 13:16	05/09/22 08:58	

#### 0.00200 Ethylbenzene <0.00200 U mg/Kg 05/07/22 13:16 05/09/22 08:58 <0.00400 U 0.00400 mg/Kg 05/07/22 13:16 05/09/22 08:58 m-Xylene & p-Xylene 1 o-Xylene <0.00200 U 0.00200 05/07/22 13:16 05/09/22 08:58 mg/Kg 1 Xylenes, Total <0.00400 U 0.00400 mg/Kg 05/07/22 13:16 05/09/22 08:58 1 %Recovery Qualifier Limits Prepared Dil Fac Surrogate Analyzed 113 70 - 130 05/07/22 13:16 05/09/22 08:58 1

4-Bromofluorobenzene (Surr)

#### **Client Sample Results**

Job ID: 890-2250-1 SDG: 03E1558014

# Lab Sample ID: 890-2250-7

Matrix: Solid

5

**Client Sample ID: SS02B** Date Collected: 04/26/22 11:40 Date Received: 04/27/22 08:21

Sample Depth: 4

Project/Site: PLU 213

Client: Ensolum

Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
1,4-Difluorobenzene (Surr)			70 - 130			05/07/22 13:16	05/09/22 08:58	
Method: Total BTEX - Total BTEX	Calculation							
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400	mg/Kg			05/09/22 11:41	
Method: 8015 NM - Diesel Range	Organics (DR	0) (GC)						
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			05/03/22 16:49	
Method: 8015B NM - Diesel Rang	e Organics (D	RO) (GC)						
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0	mg/Kg		04/28/22 13:59	05/02/22 20:07	
(GRO)-C6-C10								
Diesel Range Organics (Over	<50.0	U	50.0	mg/Kg		04/28/22 13:59	05/02/22 20:07	
C10-C28)								
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		04/28/22 13:59	05/02/22 20:07	-
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
1-Chlorooctane	96		70 - 130			04/28/22 13:59	05/02/22 20:07	
o-Terphenyl	107		70 - 130			04/28/22 13:59	05/02/22 20:07	-
Method: 300.0 - Anions, Ion Chro	omatography -	Soluble						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	154		5.00	mg/Kg			05/01/22 21:41	
lient Sample ID: SS03						Lab San	nple ID: 890-	2250-8
ate Collected: 04/26/22 10:35							Matri	x: Solic
ate Received: 04/27/22 08:21								
ate Received: 04/27/22 08:21 ample Depth: 0.5								
ample Depth: 0.5								
ample Depth: 0.5 Method: 8021B - Volatile Organic			RL	Unit	р	Prepared	Analyzed	Dil Fa
ample Depth: 0.5 Method: 8021B - Volatile Organic Analyte	Result	Qualifier	RL	<u>Unit</u>	<u>D</u>	Prepared	Analyzed	
ample Depth: 0.5 Method: 8021B - Volatile Organic Analyte Benzene	Result <0.00200	Qualifier U	0.00200	mg/Kg	<u>D</u>	05/07/22 13:16	05/09/22 09:19	
	Result	Qualifier U			<u>D</u>			Dil Fac

o-Xylene <0.00200 U 0.00200 mg/Kg 05/07/22 13:16 <0.00401 U 0.00401 Xylenes, Total mg/Kg 05/07/22 13:16 Surrogate %Recovery Qualifier Limits Prepared 105 70 - 130 4-Bromofluorobenzene (Surr) 05/07/22 13:16 1,4-Difluorobenzene (Surr) 87 70 - 130 05/07/22 13:16 Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401	mg/Kg			05/09/22 11:41	1
 Method: 8015 NM - Diesel Range O	manics (DR	0) (60)						
· · · · · · · · · · · · · · · · · · ·	•					_		
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	3090		50.0	mg/Kg			05/03/22 16:49	1

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05/09/22 09:19

05/09/22 09:19

Analyzed

05/09/22 09:19

05/09/22 09:19

Released to Imaging: 8/29/2022 11:36:30 AM

5/9/2022

1

1

1

1

Dil Fac

#### **Client Sample Results**

Job ID: 890-2250-1 SDG: 03E1558014

Lab Sample ID: 890-2250-9

Matrix: Solid

#### **Client Sample ID: SS03**

Date Collected: 04/26/22 10:35 Date Received: 04/27/22 08:21

Sample Depth: 0.5

Project/Site: PLU 213

Client: Ensolum

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		04/28/22 13:59	05/02/22 20:29	1
Diesel Range Organics (Over C10-C28)	3090		50.0	mg/Kg		04/28/22 13:59	05/02/22 20:29	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		04/28/22 13:59	05/02/22 20:29	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 130			04/28/22 13:59	05/02/22 20:29	1
o-Terphenyl	109		70 - 130			04/28/22 13:59	05/02/22 20:29	1

Wethou. 300.0 - Amons, for children	alography -	Soluple						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	8670		50.0	mg/Kg			05/01/22 21:50	10

#### **Client Sample ID: SS03A**

Date Collected: 04/26/22 13:15 Date Received: 04/27/22 08:21

Sample Depth: 4

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		05/07/22 13:16	05/09/22 09:39	1
Toluene	0.00211		0.00200	mg/Kg		05/07/22 13:16	05/09/22 09:39	1
Ethylbenzene	0.00234		0.00200	mg/Kg		05/07/22 13:16	05/09/22 09:39	1
m-Xylene & p-Xylene	<0.00401	U	0.00401	mg/Kg		05/07/22 13:16	05/09/22 09:39	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		05/07/22 13:16	05/09/22 09:39	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		05/07/22 13:16	05/09/22 09:39	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	132	S1+	70 - 130			05/07/22 13:16	05/09/22 09:39	1
1,4-Difluorobenzene (Surr)	102		70 - 130			05/07/22 13:16	05/09/22 09:39	1
Method: Total BTEX - Total BTEX Analyte Total BTEX	Result 0.00445	Qualifier	<b>RL</b> 0.00401	Unit mg/Kg	D	Prepared	Analyzed 05/09/22 11:41	Dil Fac
Method: 8015 NM - Diesel Range Analyte		O) (GC) Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			05/03/22 16:49	1
- Method: 8015B NM - Diesel Rang Analyte		RO) (GC) Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.9	U	49.9	mg/Kg		04/28/22 13:59	05/02/22 20:51	1
(GRO)-C6-C10								
			49.9	mg/Kg		04/28/22 13:59	05/02/22 20:51	
	<49.9	U	45.5				00/02/22 20:01	1
C10-C28)	<49.9 <49.9		49.9	mg/Kg		04/28/22 13:59	05/02/22 20:51	
C10-C28) Oll Range Organics (Over C28-C36)		U				04/28/22 13:59 <b>Prepared</b>		1 1 <i>Dil Fa</i> c
Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorooctane	<49.9	U	49.9				05/02/22 20:51	

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05/02/22 20:51

04/28/22 13:59

5

o-Terphenyl

70 - 130

109

		Clien	t Sample Re	sults				
Client: Ensolum							Job ID: 890	-2250-1
Project/Site: PLU 213							SDG: 03E	1558014
Client Sample ID: SS03A						Lab Sar	nple ID: 890-	2250-9
Date Collected: 04/26/22 13:15								x: Solid
Date Received: 04/27/22 08:21								
Sample Depth: 4								
Method: 300.0 - Anions, Ion Chi Analyte		Soluble Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Chloride			5.04	mg/Kg			05/01/22 22:16	
- Client Semple ID: SS04						Lab Cam		250 40
Client Sample ID: SS04						Lab Sam	ple ID: 890-2	
Date Collected: 04/26/22 10:40							Matri	x: Solid
Date Received: 04/27/22 08:21								
Sample Depth: 0.5								
Method: 8021B - Volatile Organi	ic Compounds (	(GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	< 0.00202	U	0.00202	mg/Kg		05/07/22 13:16	05/09/22 09:59	
Toluene	<0.00202	U	0.00202	mg/Kg		05/07/22 13:16	05/09/22 09:59	
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		05/07/22 13:16	05/09/22 09:59	
m-Xylene & p-Xylene	<0.00403	U	0.00403	mg/Kg		05/07/22 13:16	05/09/22 09:59	
o-Xylene	<0.00202	U	0.00202	mg/Kg		05/07/22 13:16	05/09/22 09:59	
Xylenes, Total	<0.00403	U	0.00403	mg/Kg		05/07/22 13:16	05/09/22 09:59	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)			70 - 130			05/07/22 13:16	05/09/22 09:59	
1,4-Difluorobenzene (Surr)	90		70 - 130			05/07/22 13:16	05/09/22 09:59	
_ Method: Total BTEX - Total BTE	X Calculation							
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Total BTEX	<0.00403		0.00403	mg/Kg			05/09/22 11:41	
- -				0.0				
Method: 8015 NM - Diesel Rang Analyte		O) (GC) Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Total TPH		Quanner	49.8	mg/Kg			05/03/22 16:49	
	0/1		10.0	1119/119			00/00/22 10:10	
Method: 8015B NM - Diesel Ran	ge Organics (D	RO) (GC)						
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Gasoline Range Organics	<49.8	U	49.8	mg/Kg		04/28/22 13:59	05/02/22 21:12	
(GRO)-C6-C10								
Diesel Range Organics (Over	871		49.8	mg/Kg		04/28/22 13:59	05/02/22 21:12	
C10-C28) Oll Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		04/28/22 13:59	05/02/22 21:12	
5 5 (				- <u>-</u>				
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
1-Chlorooctane	91		70 - 130			04/28/22 13:59	05/02/22 21:12	
o-Terphenyl	96		70 - 130			04/28/22 13:59	05/02/22 21:12	
Method: 300.0 - Anions, Ion Chi	omatography -	Soluble						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Chloride	2770		25.0	mg/Kg			05/01/22 22:25	

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Job ID: 890-2250-1 SDG: 03E1558014

#### **Client Sample ID: SS04B**

Method: 8021B - Volatile Organic Compounds (GC)

Method: Total BTEX - Total BTEX Calculation

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

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

Method: 300.0 - Anions, Ion Chromatography - Soluble

Result Qualifier

<0.00200 U

<0.00200 U

<0.00200 U

<0.00399 U

<0.00200 U

<0.00399 U

%Recovery Qualifier

111

93

<0.00399 U

Result Qualifier

Result Qualifier

Result Qualifier

<50.0 U

<50.0 U

<50.0 U

<50.0 U

%Recovery Qualifier

Result Qualifier

102 109

142

Date Collected: 04/26/22 12:10 Date Received: 04/27/22 08:21

Sample Depth: 3

Analyte

Benzene

Toluene

o-Xylene

Surrogate

Analyte

Analyte

Analyte

C10-C28)

Surrogate

o-Terphenyl

Analyte

Chloride

1-Chlorooctane

(GRO)-C6-C10

Total TPH

Total BTEX

Ethylbenzene

Xylenes, Total

m-Xylene & p-Xylene

4-Bromofluorobenzene (Surr)

1,4-Difluorobenzene (Surr)

Gasoline Range Organics

Diesel Range Organics (Over

Oll Range Organics (Over C28-C36)

Project/Site: PLU 213

Client: Ensolum

250-11 c: Solid	ple ID: 890-22 Matrix	Lab Sam			
Dil Fac	Analyzed	Prepared	D	Unit	RL
1	05/09/22 10:20	05/07/22 13:16		mg/Kg	0.00200
1	05/09/22 10:20	05/07/22 13:16		mg/Kg	0.00200
1	05/09/22 10:20	05/07/22 13:16		mg/Kg	0.00200
1	05/09/22 10:20	05/07/22 13:16		mg/Kg	0.00399
1	05/09/22 10:20	05/07/22 13:16		mg/Kg	0.00200
1	05/09/22 10:20	05/07/22 13:16		mg/Kg	0.00399
Dil Fac	Analyzed	Prepared			mits
1	05/09/22 10:20	05/07/22 13:16			- 130
1	05/09/22 10:20	05/07/22 13:16			- 130
Dil Fac	Analyzed	Prepared	D	Unit	RL
1	05/09/22 11:41			mg/Kg	0.00399
Dil Fac	Analyzed	Prepared	D	Unit	RL
1	05/03/22 16:49			mg/Kg	50.0
Dil Fac	Analyzed	Prepared	D	Unit	RL
1	05/02/22 21:34	04/28/22 13:59		mg/Kg	50.0
1	05/02/22 21:34	04/28/22 13:59		mg/Kg	50.0
1	05/02/22 21:34	04/28/22 13:59		mg/Kg	50.0
Dil Fac	Analyzed	Prepared			mits
1	05/02/22 21:34	04/28/22 13:59			- 130
1	05/02/22 21:34	04/28/22 13:59			- 130
	Analyzed	Prepared	D	Unit	RL
Dil Fac				mg/Kg	4.98

#### **Client Sample ID: FS01** Date Collected: 04/26/22 14:30 Date Received: 04/27/22 08:21 Sample Depth: 0.5

Method: 8021B - Volatile Orga	inic Compounds (	(GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	< 0.00199	U	0.00199	mg/Kg		05/07/22 13:16	05/09/22 12:10	1
Toluene	<0.00199	U	0.00199	mg/Kg		05/07/22 13:16	05/09/22 12:10	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		05/07/22 13:16	05/09/22 12:10	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		05/07/22 13:16	05/09/22 12:10	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		05/07/22 13:16	05/09/22 12:10	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		05/07/22 13:16	05/09/22 12:10	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130			05/07/22 13:16	05/09/22 12:10	1

#### **Client Sample Results**

Job ID: 890-2250-1 SDG: 03E1558014

# Lab Sample ID: 890-2250-12

Matrix: Solid

5

Date Collected: 04/26/22 14:30 Date Received: 04/27/22 08:21

**Client Sample ID: FS01** 

Sample Depth: 0.5

Client: Ensolum

Project/Site: PLU 213

Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	98		70 - 130			05/07/22 13:16	05/09/22 12:10	1
Method: Total BTEX - Total BTE	X Calculation							
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			05/09/22 11:41	1
Method: 8015 NM - Diesel Rango	e Organics (DR	0) (GC)						
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	209		50.0	mg/Kg			05/03/22 16:49	1
Gasoline Range Organics (GRO)-C6-C10	209		50.0	mg/Kg		04/28/22 13:59	05/02/22 21:56	1
C10-C28)	<50.0		50.0	mg/Kg		04/28/22 13:59	05/02/22 21:56	1
Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg mg/Kg		04/28/22 13:59	05/02/22 21:56	1
C10-C28) Oll Range Organics (Over C28-C36) <b>Surrogate</b>	<50.0 %Recovery	U	50.0 Limits	0.0		04/28/22 13:59 Prepared	05/02/22 21:56 Analyzed	1 1 <i>Dil Fac</i>
C10-C28) Oll Range Organics (Over C28-C36)	<50.0	U	50.0	0.0		04/28/22 13:59	05/02/22 21:56	1 1 
C10-C28) DII Range Organics (Over C28-C36) Surrogate 1-Chlorooctane	<50.0 %Recovery	U	50.0 Limits	0.0		04/28/22 13:59 Prepared	05/02/22 21:56 Analyzed	1 1 1 1 1
C10-C28) Oll Range Organics (Over C28-C36) <b>Surrogate</b>	<50.0 <u>%Recovery</u> 101 109	U Qualifier	50.0 <u>Limits</u> 70 - 130	0.0		04/28/22 13:59 Prepared 04/28/22 13:59	05/02/22 21:56 Analyzed 05/02/22 21:56	1 1 1 1
C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorooctane p-Terphenyl	<50.0 %Recovery 101 109 romatography -	U Qualifier	50.0 <u>Limits</u> 70 - 130	0.0	D	04/28/22 13:59 Prepared 04/28/22 13:59	05/02/22 21:56 Analyzed 05/02/22 21:56	1 

Job ID: 890-2250-1 SDG: 03E1558014

Prep Type: Total/NA

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

Percent Surrogate Recovery (Acceptance Limits) BFB1 DFBZ1 (70-130) (70-130) Lab Sample ID **Client Sample ID** 880-14137-A-4-C MS 208 S1+ Matrix Spike 86 6 880-14137-A-4-D MSD Matrix Spike Duplicate 185 S1+ 78 890-2250-1 SS01 198 S1+ 79 890-2250-2 SS01A 101 90 890-2250-2 MS SS01A 98 110 SS01A 890-2250-2 MSD 97 91 890-2250-3 SS01B 108 88 SS01C 98 890-2250-4 114 890-2250-5 SS02 115 92 890-2250-6 SS02A 118 99 890-2250-7 SS02B 113 95 890-2250-8 SS03 87 105 890-2250-9 SS03A 132 S1+ 102 890-2250-10 SS04 114 90 SS04B 93 890-2250-11 111 FS01 890-2250-12 113 98 LCS 880-25030/1-A 192 S1+ Lab Control Sample 77 LCS 880-25031/1-A Lab Control Sample 105 93 LCSD 880-25030/2-A Lab Control Sample Dup 190 S1+ 90 LCSD 880-25031/2-A Lab Control Sample Dup 109 99 Method Blank 72 MB 880-25029/5-A 130 MB 880-25030/5-A Method Blank 136 S1+ 72 MB 880-25031/5-A Method Blank 100 92 Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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

#### Matrix: Solid

Percent Surrogate Recovery (Acceptance Limits) 1C01 OTPH1 Lab Sample ID **Client Sample ID** (70 - 130)(70 - 130)890-2249-A-1-D MS Matrix Spike 85 84 890-2249-A-1-E MSD Matrix Spike Duplicate 88 84 890-2250-1 SS01 118 123 890-2250-2 SS01A 100 109 SS01B 890-2250-3 95 102 SS01C 890-2250-4 104 111 890-2250-5 SS02 109 106 890-2250-6 SS02A 102 111 890-2250-7 SS02B 96 107 SS03 890-2250-8 102 109 SS03A 890-2250-9 98 109 890-2250-10 SS04 91 96 890-2250-11 SS04B 102 109 FS01 890-2250-12 101 109 LCS 880-24438/2-A Lab Control Sample 104 108 LCSD 880-24438/3-A Lab Control Sample Dup 103 108

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Prep Type: Total/NA

#### **Surrogate Summary**

Client: Ensolum Job ID: 890-2250-1 Project/Site: PLU 213 SDG: 03E1558014 Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued) Matrix: Solid Prep Type: Total/NA Percent Surrogate Recovery (Acceptance Limits) 1CO1 OTPH1 5 Lab Sample ID Client Sample ID (70-130) (70-130) MB 880-24438/1-A Method Blank 94 107 6 Surrogate Legend 1CO = 1-Chlorooctane OTPH = o-Terphenyl

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-25029	)/5-A								Client Sa	mple ID: Me	thod	Blank
Matrix: Solid										Ргер Тур	e: To	otal/NA
Analysis Batch: 25032										Prep Ba	tch:	25029
	ME	MB										
Analyte	Resul	t Qualifier	R	L	Unit		D	Pr	repared	Analyzed		Dil Fa
Benzene	<0.000400	) U	0.00040	0	mg/K	g		05/07	7/22 13:06	05/07/22 20:2	28	
Toluene	<0.000400	) U	0.00040	0	mg/K	g		05/07	7/22 13:06	05/07/22 20:2	28	
Ethylbenzene	<0.000400	) U	0.00040	0	mg/K	g		05/07	7/22 13:06	05/07/22 20:2	28	
m-Xylene & p-Xylene	<0.000800	) U	0.00080	0	mg/K	q		05/07	7/22 13:06	05/07/22 20:2	28	
o-Xylene	<0.000400		0.00040		mg/K	-			7/22 13:06	05/07/22 20:2	28	
Xylenes, Total	<0.000800		0.00080		mg/K	-			7/22 13:06	05/07/22 20:2		
, ,					5	5						
	ME	B MB										
Surrogate	%Recovery	-	Limits	_			_	Pr	repared	Analyzed		Dil Fa
4-Bromofluorobenzene (Surr)	130	)	70 - 130					05/07	7/22 13:06	05/07/22 20:2	28	
1,4-Difluorobenzene (Surr)	72	2	70 - 130					05/07	7/22 13:06	05/07/22 20:2	28	
Lab Sample ID: MB 880-25030	)/5-A								Client Sa	mple ID: Me	thod	Blanl
Matrix: Solid										Prep Typ	e: To	otal/N/
Analysis Batch: 25032										Prep Ba		
	ME	8 MB										
Analyte	Resul	t Qualifier	R	L	Unit		D	Pr	repared	Analyzed		Dil Fa
Benzene	<0.00200	U	0.0020		mg/K	q			7/22 13:13	05/08/22 09:2	29	
Toluene	<0.00200		0.0020		mg/K	-		05/07	7/22 13:13	05/08/22 09:2	29	
Ethylbenzene	<0.00200		0.0020		mg/K	-			7/22 13:13	05/08/22 09:2		
m-Xylene & p-Xylene	<0.00400		0.0040		mg/K				7/22 13:13	05/08/22 09:2		
o-Xylene	<0.00200		0.0020		mg/K	-			7/22 13:13	05/08/22 09:2		
Xylenes, Total	<0.00200		0.0020		mg/K mg/K	-			7/22 13:13	05/08/22 09:2		
Ayleries, iotai	~0.00400	0	0.0040	0	iiig/R	9		03/01	//22 15.15	05/06/22 09.2	.9	I
	ME											
Surrogate	%Recovery		Limits	_			-		repared	Analyzed		Dil Fa
4-Bromofluorobenzene (Surr)	130		70 - 130						7/22 13:13	05/08/22 09:2		
1,4-Difluorobenzene (Surr)	72	2	70 - 130					05/07	7/22 13:13	05/08/22 09:2	29	
Lab Sample ID: LCS 880-2503	0/1-A						CI	ient	Sample	ID: Lab Cont	rol S	ample
Matrix: Solid										Prep Typ	e: To	otal/N/
Analysis Batch: 25032										Prep Ba	tch:	25030
			Spike	LCS	LCS					%Rec		
Analyte			Added	Result	Qualifier	Unit		D	%Rec	Limits		
Benzene			0.100	0.09461		mg/Kg			95	70 - 130		
Toluene			0.100	0.08600		mg/Kg			86	70 - 130		
Ethylbenzene			0.100	0.09775		mg/Kg			98	70 - 130		
m-Xylene & p-Xylene			0.200	0.1960		mg/Kg			98	70 - 130		
o-Xylene			0.100	0.1008		mg/Kg			101	70 - 130		
- , (j.c			0.100	0.1000								
	LCS LC											
Surrogate	%Recovery Qu		Limits									
4-Bromofluorobenzene (Surr)	192 S1	+	70 - 130									
1,4-Difluorobenzene (Surr)	77		70 - 130									
Lab Sample ID: LCSD 880-250	)30/2-A					Cli	ent s	Sam	ple ID: La	ab Control S	ampl	le Dur
Matrix: Solid										Prep Typ	e: To	otal/N/
Analysis Batch: 25032										Prep Ba		
-			Spike	LCSD	LCSD					%Rec		RPD
					<b>•</b>				a/ <b>B</b>	1	000	
Analyte			Added	Result	Qualifier	Unit		D	%Rec	Limits	RPD	Limi

5

Job ID: 890-2250-1 SDG: 03E1558014

Client: Ensolum

#### **QC Sample Results**

**Client Sample ID: Matrix Spike Duplicate** 

**Client Sample ID: Method Blank** 

Prep Type: Total/NA

Prep Type: Total/NA

Job ID: 890-2250-1 SDG: 03E1558014

#### Project/Site: PLU 213 Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: LCSD 880-25030/2-A Matrix: Solid Analysis Batch: 25032				Oller				ype: To Batch:	tal/NA
	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Toluene	0.100	0.08691		mg/Kg		87	70 - 130	1	35
Ethylbenzene	0.100	0.09901		mg/Kg		99	70 - 130	1	35
m-Xylene & p-Xylene	0.200	0.1995		mg/Kg		100	70 - 130	2	35
o-Xylene	0.100	0.09966		mg/Kg		100	70 - 130	1	35

	LUGD	LUGD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	190	S1+	70 - 130
1,4-Difluorobenzene (Surr)	90		70 - 130

#### Lab Sample ID: 880-14137-A-4-C MS Matrix: Solid

#### Analysis Batch: 25032

Analysis Batch: 25032									Prep Ba	tch:
	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	< 0.00202	U F1 F2	0.100	0.07844		mg/Kg		78	70 - 130	
Toluene	<0.00202	U F1 F2	0.100	0.07387		mg/Kg		74	70 - 130	
Ethylbenzene	<0.00202	U F1 F2	0.100	0.08485		mg/Kg		85	70 - 130	
m-Xylene & p-Xylene	<0.00403	U F1 F2	0.200	0.1720		mg/Kg		86	70 - 130	
o-Xylene	<0.00202	U F1 F2	0.100	0.08515		mg/Kg		85	70 - 130	

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	208	S1+	70 - 130
1,4-Difluorobenzene (Surr)	86		70 - 130

#### Lab Sample ID: 880-14137-A-4-D MSD Matrix: Solid Analysis Batch: 25032

Analysis Batch: 25032									Prep	Batch:	25030
	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	<0.00202	U F1 F2	0.0998	0.04258	F1 F2	mg/Kg		43	70 - 130	59	35
Toluene	<0.00202	U F1 F2	0.0998	0.04503	F1 F2	mg/Kg		45	70 - 130	49	35
Ethylbenzene	<0.00202	U F1 F2	0.0998	0.05092	F1 F2	mg/Kg		51	70 - 130	50	35
m-Xylene & p-Xylene	<0.00403	U F1 F2	0.200	0.1056	F1 F2	mg/Kg		53	70 - 130	48	35
o-Xylene	<0.00202	U F1 F2	0.0998	0.02247	F1 F2	mg/Kg		23	70 - 130	116	35

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	185	S1+	70 - 130
1,4-Difluorobenzene (Surr)	78		70 - 130

#### Lab Sample ID: MB 880-25031/5-A Matrix: Solid Analysis Batch: 25034

#### Prep Batch: 25031 МВ МВ Analyte Result Qualifier RL Unit D Prepared Analyzed Dil Fac Benzene <0.00200 U 0.00200 05/07/22 13:16 05/09/22 06:48 mg/Kg Toluene <0.00200 U 0.00200 mg/Kg 05/07/22 13:16 05/09/22 06:48 Ethylbenzene <0.00200 U 0.00200 mg/Kg 05/07/22 13:16 05/09/22 06:48 <0.00400 U 0.00400 05/07/22 13:16 05/09/22 06:48 m-Xylene & p-Xylene mg/Kg

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1

1

1

RL

0.00200

0.00400

Limits

70 - 130

70 - 130

Unit

mg/Kg

mg/Kg

D

Prepared

05/07/22 13:16

05/07/22 13:16

Analysis Batch: 25034

4-Bromofluorobenzene (Surr)

1,4-Difluorobenzene (Surr)

Matrix: Solid

Analyte

o-Xylene

Surrogate

Xylenes, Total

Project/Site: PLU 213

Lab Sample ID: MB 880-25031/5-A

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

MB MB

< 0.00200

%Recovery

<0.00400 U

100

92

Result Qualifier

U

MB MB Qualifier

	Job ID: 890 SDG: 03E1	
Client Sa	mple ID: Metho Prep Type: 1 Prep Batch	Total/NA
Prepared	Analyzed	Dil Fac
05/07/22 13:16	05/09/22 06:48	1
05/07/22 13:16	05/09/22 06:48	1

Analyzed

05/09/22 06:48

05/09/22 06:48

Prep Type: Total/NA

Prep Type: Total/NA

11

10

**Client Sample ID: SS01A** 

Prep Type: Total/NA

35

35

**Client Sample ID: Lab Control Sample** 

Client Sample ID: Lab Control Sample Dup

70 - 130

70 - 130

98

107

0
7
8
9
4.2

Dil Fac

1

1

#### Lab Sample ID: LCS 880-25031/1-A Matrix: Solid

#### Analysis Batch: 25034 Prep Batch: 25031 LCS LCS Spike %Rec Analyte Added Result Qualifier Unit D %Rec Limits Benzene 0.100 0.07663 77 70 - 130 mg/Kg Toluene 0.100 0.08342 mg/Kg 83 70 - 130 Ethylbenzene 0.100 0.08407 mg/Kg 84 70 - 130 m-Xylene & p-Xylene 0.200 0.1762 88 70 - 130 mg/Kg 0.09680 o-Xylene 0.100 mg/Kg 97 70 - 130

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	105		70 - 130
1,4-Difluorobenzene (Surr)	93		70 - 130

#### Lab Sample ID: LCSD 880-25031/2-A Matrix: Solid

#### Analysis Batch: 25034

Analyte

Benzene

Toluene

o-Xylene

Ethylbenzene

m-Xylene & p-Xylene

#### Prep Batch: 25031 LCSD LCSD Spike %Rec RPD Added Result Qualifier Unit %Rec Limits RPD Limit D 0.100 0.09003 90 70 - 130 16 35 mg/Kg 0.100 0.09126 mg/Kg 91 70 - 130 9 35 0.100 0.09457 mg/Kg 95 70 - 130 12 35

mg/Kg

mg/Kg

0.1967

0.1068

	1.050	LCSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	109		70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

#### Lab Sample ID: 890-2250-2 MS Matrix: Solid making Databa 05004

Analysis Batch: 25034									Prep	Batch: 25031
	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	< 0.00199	U F1 F2	0.100	0.05235	F1	mg/Kg		52	70 - 130	
Toluene	<0.00199	U F1 F2	0.100	0.05698	F1	mg/Kg		56	70 - 130	
Ethylbenzene	<0.00199	U F1 F2	0.100	0.05914	F1	mg/Kg		58	70 - 130	
m-Xylene & p-Xylene	<0.00398	U F1 F2	0.200	0.1271	F1	mg/Kg		63	70 - 130	
o-Xylene	<0.00199	U F1 F2	0.100	0.06965		mg/Kg		70	70 - 130	

0.200

0.100

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#### Released to Imaging: 8/29/2022 11:36:30 AM

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

#### Lab Sample ID: 890-2250-2 MS Matrix: Solid Analysis Batch: 25034

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	110		70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

#### Lab Sample ID: 890-2250-2 MSD Matrix: Solid

Analysis Batch: 25034									Prep	Batch:	25031
	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	< 0.00199	U F1 F2	0.0996	0.01614	F1 F2	mg/Kg		16	70 - 130	106	35
Toluene	<0.00199	U F1 F2	0.0996	0.01901	F1 F2	mg/Kg		18	70 - 130	100	35
Ethylbenzene	<0.00199	U F1 F2	0.0996	0.02118	F1 F2	mg/Kg		21	70 - 130	95	35
m-Xylene & p-Xylene	<0.00398	U F1 F2	0.199	0.04444	F1 F2	mg/Kg		21	70 - 130	96	35
o-Xylene	<0.00199	U F1 F2	0.0996	0.02422	F1 F2	mg/Kg		24	70 - 130	97	35
	MSD	MSD									
Surrogate	%Recovery	Qualifier	Limits								
4-Bromofluorobenzene (Surr)	97		70 - 130								
1,4-Difluorobenzene (Surr)	91		70 - 130								

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

Lab Sample ID: MB 880-24438/1-A Matrix: Solid Analysis Batch: 24609								Client S	ample ID: Metho Prep Type: <sup>-</sup> Prep Bato	Total/NA
		MB					_	<b>_</b> .		
Analyte		Qualifier			Unit			Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/K	g	04	/28/22 13:59	05/02/22 14:00	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/K	g	04	/28/22 13:59	05/02/22 14:00	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/K	g	04	/28/22 13:59	05/02/22 14:00	1
	МВ	МВ								
Surrogate	%Recovery	Qualifier	Limits					Prepared	Analyzed	Dil Fac
1-Chlorooctane	94		70 - 130				04	/28/22 13:59	0 05/02/22 14:00	1
o-Terphenyl	107		70 - 130				04,	/28/22 13:59	05/02/22 14:00	1
Lab Sample ID: LCS 880-24438/2-A Matrix: Solid Analysis Batch: 24609							Clier	nt Sample	ID: Lab Control Prep Type: <sup>*</sup> Prep Batc	Total/NA
			Spike	LCS	LCS				%Rec	
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics (GRO)-C6-C10			1000	908.3		mg/Kg		91	70 - 130	

C10-C28)			
	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	104		70 - 130
o-Terphenyl	108		70 - 130

#### Job ID: 890-2250-1 SDG: 03E1558014

Client Sample ID: SS01A

Client Sample ID: SS01A

Prep Type: Total/NA

Prep Type: Total/NA

Prep Batch: 25031

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Diesel Range Organics (Over

1000

991.2

mg/Kg

99

70 - 130

Project/Site: PLU 213

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

Lab Sample ID: LCSD 880-2	24438/3- <b>A</b>					Clie	nt Sam	nle ID: I	Lab Contro	l Sampl	e Dun
Matrix: Solid										Гуре: То	
Analysis Batch: 24609										Batch:	
Analysis Batch. 24000			Spike	LCSD	LCSD				%Rec	Batem	RPD
Analyte			Added	Result		Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics			1000	908.3		mg/Kg		91	70 - 130	0	20
(GRO)-C6-C10						5 5					
Diesel Range Organics (Over			1000	988.6		mg/Kg		99	70 - 130	0	20
C10-C28)											
	LCSD	LCSD									
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	103		70 - 130								
o-Terphenyl	108		70 - 130								
								<b>O</b> !!			0
Lab Sample ID: 890-2249-A	-1-D MS							Client	Sample ID		
Matrix: Solid										Type: To	
Analysis Batch: 24609										Batch:	24438
	•	Sample	Spike	MS	MS				%Rec		
Analyte		Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Gasoline Range Organics	<50.0	U	1000	789.6		mg/Kg		79	70 - 130		
(GRO)-C6-C10 Diesel Range Organics (Over	<50.0		1000	816.9		mg/Kg		82	70 - 130		
C10-C28)	<50.0	0	1000	010.9		mg/Ng		02	70 - 150		
0.00020)											
<b>a</b> (		MS									
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	85		70 - 130 70 - 120								
o-Terphenyl 	84		70 - 130								
Lab Sample ID: 890-2249-A	-1-E MSD					CI	ient Sa	ample IC	): Matrix Sp	oike Dur	licate
Matrix: Solid										Type: To	
Analysis Batch: 24609										Batch:	
	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	•	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics	<50.0	U	998	831.8		mg/Kg		83	70 - 130	5	20
(GRO)-C6-C10											
Diesel Range Organics (Over	<50.0	U	998	818.2		mg/Kg		82	70 - 130	0	20
C10-C28)											
	MSD	MSD									
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane			70 - 130								
o-Terphenyl	84		70 - 130								

#### Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-24411/1-A Matrix: Solid Analysis Batch: 24591						Client Sa	ample ID: Metho Prep Type:	
	МВ	МВ						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00	mg/Kg			05/01/22 19:20	1

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Job ID: 890-2250-1 SDG: 03E1558014

Client: Ensolum

Project/Site: PLU 213

#### Job ID: 890-2250-1 SDG: 03E1558014

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 88	0-24411/2-A						Client	Sample	e ID: Lab C	ontrol S	ample
Matrix: Solid									Prep	Type: S	oluble
Analysis Batch: 24591											
			Spike	LCS	LCS				%Rec		
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits		
Chloride			250	235.0		mg/Kg		94	90 - 110		
Lab Sample ID: LCSD 8	80-24411/3-A					Clier	nt Sam	ple ID:	Lab Contro	ol Sampl	le Dup
Matrix: Solid								· · · ·		Type: S	
Analysis Batch: 24591											
			Spike	LCSD	LCSD				%Rec		RPD
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride			250	235.6		mg/Kg		94	90 - 110	0	20
_ Lab Sample ID: 890-225	50-8 MS								Client Sa	mple ID:	: SS03
Matrix: Solid										· Type: S	
Analysis Batch: 24591											
	Sample	Sample	Spike	MS	MS				%Rec		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Chloride	8670		2500	11400		mg/Kg		109	90 - 110		
_ Lab Sample ID: 890-225	50-8 MSD								Client Sa	mple ID:	: SS03
Matrix: Solid										Type: S	
Analysis Batch: 24591											
•	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	8670		2500	11130		mg/Kg		99	90 - 110	2	20

Released to Imaging: 8/29/2022 11:36:30 AM

Client: Ensolum Project/Site: PLU 213

Job ID: 890-2250-1 SDG: 03E1558014

#### **GC VOA**

#### Prep Batch: 25029

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-25029/5-A	Method Blank	Total/NA	Solid	5035	
Prep Batch: 25030					
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2250-1	SS01	Total/NA	Solid	5035	
MB 880-25030/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-25030/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-25030/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-14137-A-4-C MS	Matrix Spike	Total/NA	Solid	5035	
880-14137-A-4-D MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

#### Prep Batch: 25031

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2250-2	SS01A	Total/NA	Solid	5035	
890-2250-3	SS01B	Total/NA	Solid	5035	
890-2250-4	SS01C	Total/NA	Solid	5035	
890-2250-5	SS02	Total/NA	Solid	5035	
890-2250-6	SS02A	Total/NA	Solid	5035	
890-2250-7	SS02B	Total/NA	Solid	5035	
890-2250-8	SS03	Total/NA	Solid	5035	
890-2250-9	SS03A	Total/NA	Solid	5035	
890-2250-10	SS04	Total/NA	Solid	5035	
890-2250-11	SS04B	Total/NA	Solid	5035	
890-2250-12	FS01	Total/NA	Solid	5035	
MB 880-25031/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-25031/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-25031/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-2250-2 MS	SS01A	Total/NA	Solid	5035	
890-2250-2 MSD	SS01A	Total/NA	Solid	5035	

#### Analysis Batch: 25032

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2250-1	SS01	Total/NA	Solid	8021B	25030
MB 880-25029/5-A	Method Blank	Total/NA	Solid	8021B	25029
MB 880-25030/5-A	Method Blank	Total/NA	Solid	8021B	25030
LCS 880-25030/1-A	Lab Control Sample	Total/NA	Solid	8021B	25030
LCSD 880-25030/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	25030
880-14137-A-4-C MS	Matrix Spike	Total/NA	Solid	8021B	25030
880-14137-A-4-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	25030

#### Analysis Batch: 25034

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
890-2250-2	SS01A	Total/NA	Solid	8021B	25031
890-2250-3	SS01B	Total/NA	Solid	8021B	25031
890-2250-4	SS01C	Total/NA	Solid	8021B	25031
890-2250-5	SS02	Total/NA	Solid	8021B	25031
890-2250-6	SS02A	Total/NA	Solid	8021B	25031
890-2250-7	SS02B	Total/NA	Solid	8021B	25031
890-2250-8	SS03	Total/NA	Solid	8021B	25031
890-2250-9	SS03A	Total/NA	Solid	8021B	25031
890-2250-10	SS04	Total/NA	Solid	8021B	25031

Client: Ensolum Project/Site: PLU 213

#### Analysis Batch: 25034 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2250-11	SS04B	Total/NA	Solid	8021B	25031
890-2250-12	FS01	Total/NA	Solid	8021B	25031
MB 880-25031/5-A	Method Blank	Total/NA	Solid	8021B	25031
LCS 880-25031/1-A	Lab Control Sample	Total/NA	Solid	8021B	25031
LCSD 880-25031/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	25031
890-2250-2 MS	SS01A	Total/NA	Solid	8021B	25031
890-2250-2 MSD	SS01A	Total/NA	Solid	8021B	25031

#### Analysis Batch: 25082

090-2200-2 WISD	330TA	Total/INA	Soliu	002 I D	25051	0
Analysis Batch: 250	82					0
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch	9
890-2250-1	SS01	Total/NA	Solid	Total BTEX		
890-2250-2	SS01A	Total/NA	Solid	Total BTEX		
890-2250-3	SS01B	Total/NA	Solid	Total BTEX		
890-2250-4	SS01C	Total/NA	Solid	Total BTEX		
890-2250-5	SS02	Total/NA	Solid	Total BTEX		
890-2250-6	SS02A	Total/NA	Solid	Total BTEX		
890-2250-7	SS02B	Total/NA	Solid	Total BTEX		
890-2250-8	SS03	Total/NA	Solid	Total BTEX		
890-2250-9	SS03A	Total/NA	Solid	Total BTEX		13
890-2250-10	SS04	Total/NA	Solid	Total BTEX		
890-2250-11	SS04B	Total/NA	Solid	Total BTEX		
890-2250-12	FS01	Total/NA	Solid	Total BTEX		

#### GC Semi VOA

#### Prep Batch: 24438

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
890-2250-1	SS01	Total/NA	Solid	8015NM Prep	
890-2250-2	SS01A	Total/NA	Solid	8015NM Prep	
890-2250-3	SS01B	Total/NA	Solid	8015NM Prep	
890-2250-4	SS01C	Total/NA	Solid	8015NM Prep	
890-2250-5	SS02	Total/NA	Solid	8015NM Prep	
890-2250-6	SS02A	Total/NA	Solid	8015NM Prep	
890-2250-7	SS02B	Total/NA	Solid	8015NM Prep	
890-2250-8	SS03	Total/NA	Solid	8015NM Prep	
890-2250-9	SS03A	Total/NA	Solid	8015NM Prep	
890-2250-10	SS04	Total/NA	Solid	8015NM Prep	
890-2250-11	SS04B	Total/NA	Solid	8015NM Prep	
890-2250-12	FS01	Total/NA	Solid	8015NM Prep	
MB 880-24438/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-24438/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-24438/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-2249-A-1-D MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-2249-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

#### Analysis Batch: 24609

Lab Sample ID	Client Sample ID	Prep Type	Matrix		rep Batch
890-2250-1	SS01	Total/NA	Solid	8015B NM	24438
890-2250-2	SS01A	Total/NA	Solid	8015B NM	24438
890-2250-3	SS01B	Total/NA	Solid	8015B NM	24438
890-2250-4	SS01C	Total/NA	Solid	8015B NM	24438

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#### Job ID: 890-2250-1 SDG: 03E1558014

Client: Ensolum Project/Site: PLU 213

#### GC Semi VOA (Continued)

#### Analysis Batch: 24609 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2250-5	SS02	Total/NA	Solid	8015B NM	24438
890-2250-6	SS02A	Total/NA	Solid	8015B NM	24438
890-2250-7	SS02B	Total/NA	Solid	8015B NM	24438
890-2250-8	SS03	Total/NA	Solid	8015B NM	24438
890-2250-9	SS03A	Total/NA	Solid	8015B NM	24438
890-2250-10	SS04	Total/NA	Solid	8015B NM	24438
890-2250-11	SS04B	Total/NA	Solid	8015B NM	24438
890-2250-12	FS01	Total/NA	Solid	8015B NM	24438
MB 880-24438/1-A	Method Blank	Total/NA	Solid	8015B NM	24438
LCS 880-24438/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	24438
LCSD 880-24438/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	24438
890-2249-A-1-D MS	Matrix Spike	Total/NA	Solid	8015B NM	24438
890-2249-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	24438
Analysis Batch: 24758					
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2250-1	SS01	Total/NA	Solid	8015 NM	
890-2250-2	SS01A	Total/NA	Solid	8015 NM	
890-2250-3	SS01B	Total/NA	Solid	8015 NM	
890-2250-4	SS01C	Total/NA	Solid	8015 NM	
890-2250-5	SS02	Total/NA	Solid	8015 NM	

#### Analysis Batch: 24758

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
890-2250-1	SS01	Total/NA	Solid	8015 NM	
890-2250-2	SS01A	Total/NA	Solid	8015 NM	
890-2250-3	SS01B	Total/NA	Solid	8015 NM	
890-2250-4	SS01C	Total/NA	Solid	8015 NM	
890-2250-5	SS02	Total/NA	Solid	8015 NM	
890-2250-6	SS02A	Total/NA	Solid	8015 NM	
890-2250-7	SS02B	Total/NA	Solid	8015 NM	
890-2250-8	SS03	Total/NA	Solid	8015 NM	
890-2250-9	SS03A	Total/NA	Solid	8015 NM	
890-2250-10	SS04	Total/NA	Solid	8015 NM	
890-2250-11	SS04B	Total/NA	Solid	8015 NM	
890-2250-12	FS01	Total/NA	Solid	8015 NM	

#### HPLC/IC

#### Leach Batch: 24411

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2250-1	SS01	Soluble	Solid	DI Leach	
890-2250-2	SS01A	Soluble	Solid	DI Leach	
890-2250-3	SS01B	Soluble	Solid	DI Leach	
890-2250-4	SS01C	Soluble	Solid	DI Leach	
890-2250-5	SS02	Soluble	Solid	DI Leach	
890-2250-6	SS02A	Soluble	Solid	DI Leach	
890-2250-7	SS02B	Soluble	Solid	DI Leach	
890-2250-8	SS03	Soluble	Solid	DI Leach	
890-2250-9	SS03A	Soluble	Solid	DI Leach	
890-2250-10	SS04	Soluble	Solid	DI Leach	
890-2250-11	SS04B	Soluble	Solid	DI Leach	
890-2250-12	FS01	Soluble	Solid	DI Leach	
MB 880-24411/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-24411/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-24411/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-2250-8 MS	SS03	Soluble	Solid	DI Leach	
890-2250-8 MSD	SS03	Soluble	Solid	DI Leach	

Job ID: 890-2250-1 SDG: 03E1558014

Client: Ensolum Project/Site: PLU 213 Job ID: 890-2250-1 SDG: 03E1558014

#### HPLC/IC

#### Analysis Batch: 24591

ab Sample ID.	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
90-2250-1	SS01	Soluble	Solid	300.0	24411
90-2250-2	SS01A	Soluble	Solid	300.0	24411
90-2250-3	SS01B	Soluble	Solid	300.0	24411
90-2250-4	SS01C	Soluble	Solid	300.0	24411
90-2250-5	SS02	Soluble	Solid	300.0	24411
90-2250-6	SS02A	Soluble	Solid	300.0	24411
90-2250-7	SS02B	Soluble	Solid	300.0	24411
90-2250-8	SS03	Soluble	Solid	300.0	24411
90-2250-9	SS03A	Soluble	Solid	300.0	24411
90-2250-10	SS04	Soluble	Solid	300.0	24411
90-2250-11	SS04B	Soluble	Solid	300.0	24411
90-2250-12	FS01	Soluble	Solid	300.0	24411
/IB 880-24411/1-A	Method Blank	Soluble	Solid	300.0	24411
.CS 880-24411/2-A	Lab Control Sample	Soluble	Solid	300.0	24411
.CSD 880-24411/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	24411
890-2250-8 MS	SS03	Soluble	Solid	300.0	24411
90-2250-8 MSD	SS03	Soluble	Solid	300.0	24411

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Job ID: 890-2250-1 SDG: 03E1558014

#### Lab Sample ID: 890-2250-1 Matrix: Solid

Lab Sample ID: 890-2250-2

Lab Sample ID: 890-2250-3

Matrix: Solid

Matrix: Solid

Date Collected: 04/26/22 10:25 Date Received: 04/27/22 08:21

**Client Sample ID: SS01** 

Client: Ensolum

Project/Site: PLU 213

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	25030	05/07/22 13:13	MR	XEN MID
Total/NA	Analysis	8021B		1			25032	05/08/22 19:24	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			25082	05/09/22 11:41	MR	XEN MID
Total/NA	Analysis	8015 NM		1			24758	05/03/22 16:49	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	24438	04/28/22 13:59	DM	XEN MID
Total/NA	Analysis	8015B NM		1			24609	05/02/22 17:36	BJH	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	24411	04/28/22 11:37	SC	XEN MID
Soluble	Analysis	300.0		20			24591	05/01/22 20:30	СН	XEN MID

### **Client Sample ID: SS01A**

# Date Collected: 04/26/22 13:30

Date Received: 04/27/22 08:21

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	25031	05/07/22 13:16	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	25034	05/09/22 07:16	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			25082	05/09/22 11:41	MR	XEN MID
Total/NA	Analysis	8015 NM		1			24758	05/03/22 16:49	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	24438	04/28/22 13:59	DM	XEN MID
Total/NA	Analysis	8015B NM		1			24609	05/02/22 17:58	BJH	XEN MID
Soluble	Leach	DI Leach			5.04 g	50 mL	24411	04/28/22 11:37	SC	XEN MID
Soluble	Analysis	300.0		1			24591	05/01/22 20:39	СН	XEN MID

#### **Client Sample ID: SS01B** Date Collected: 04/26/22 13:40

#### Date Received: 04/27/22 08:21

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	25031	05/07/22 13:16	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	25034	05/09/22 07:37	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			25082	05/09/22 11:41	MR	XEN MID
Total/NA	Analysis	8015 NM		1			24758	05/03/22 16:49	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	24438	04/28/22 13:59	DM	XEN MID
Total/NA	Analysis	8015B NM		1			24609	05/02/22 18:19	BJH	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	24411	04/28/22 11:37	SC	XEN MID
Soluble	Analysis	300.0		1			24591	05/01/22 21:06	СН	XEN MID

#### **Client Sample ID: SS01C** Date Collected: 04/26/22 14:00 Date Received: 04/27/22 08:21

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	25031	05/07/22 13:16	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	25034	05/09/22 07:57	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			25082	05/09/22 11:41	MR	XEN MID

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Matrix: Solid

# Lab Sample ID: 890-2250-4

Job ID: 890-2250-1 SDG: 03E1558014

#### Lab Sample ID: 890-2250-4 Matrix: Solid

Lab Sample ID: 890-2250-5

Matrix: Solid

Date Collected: 04/26/22 14:00 Date Received: 04/27/22 08:21

**Client Sample ID: SS01C** 

Client: Ensolum

Project/Site: PLU 213

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			24758	05/03/22 16:49	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	24438	04/28/22 13:59	DM	XEN MID
Total/NA	Analysis	8015B NM		1			24609	05/02/22 18:41	BJH	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	24411	04/28/22 11:37	SC	XEN MID
Soluble	Analysis	300.0		1			24591	05/01/22 21:15	СН	XEN MID

#### Client Sample ID: SS02 Date Collected: 04/26/22 10:15

#### Date Received: 04/27/22 08:21

	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	25031	05/07/22 13:16	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	25034	05/09/22 08:17	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			25082	05/09/22 11:41	MR	XEN MID
Total/NA	Analysis	8015 NM		1			24758	05/03/22 16:49	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	24438	04/28/22 13:59	DM	XEN MID
Total/NA	Analysis	8015B NM		1			24609	05/02/22 19:03	BJH	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	24411	04/28/22 11:37	SC	XEN MID
Soluble	Analysis	300.0		20			24591	05/01/22 21:23	CH	XEN MID

#### **Client Sample ID: SS02A**

Date Collected: 04/26/22 10:45 Date Received: 04/27/22 08:21

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	25031	05/07/22 13:16	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	25034	05/09/22 08:38	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			25082	05/09/22 11:41	MR	XEN MID
Total/NA	Analysis	8015 NM		1			24758	05/03/22 16:49	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	24438	04/28/22 13:59	DM	XEN MID
Total/NA	Analysis	8015B NM		1			24609	05/02/22 19:46	BJH	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	24411	04/28/22 11:37	SC	XEN MID
Soluble	Analysis	300.0		1			24591	05/01/22 21:32	СН	XEN MID

#### **Client Sample ID: SS02B**

#### Date Collected: 04/26/22 11:40 Date Received: 04/27/22 08:21

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	25031	05/07/22 13:16	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	25034	05/09/22 08:58	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			25082	05/09/22 11:41	MR	XEN MID
Total/NA	Analysis	8015 NM		1			24758	05/03/22 16:49	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	24438	04/28/22 13:59	DM	XEN MID
Total/NA	Analysis	8015B NM		1			24609	05/02/22 20:07	BJH	XEN MID

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Matrix: Solid

Matrix: Solid

Lab Sample ID: 890-2250-6

Lab Sample ID: 890-2250-7

#### Lab Chronicle

Job ID: 890-2250-1

#### **Client Sample ID: SS02B** Date Collected: 04/26/22 11:40

Client: Ensolum

Project/Site: PLU 213

Date Received: 04/27/22 08:21

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5 g	50 mL	24411	04/28/22 11:37	SC	XEN MID
Soluble	Analysis	300.0		1			24591	05/01/22 21:41	СН	XEN MID

#### **Client Sample ID: SS03**

#### Date Collected: 04/26/22 10:35 Date Received: 04/27/22 08:21

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	25031	05/07/22 13:16	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	25034	05/09/22 09:19	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			25082	05/09/22 11:41	MR	XEN MID
Total/NA	Analysis	8015 NM		1			24758	05/03/22 16:49	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	24438	04/28/22 13:59	DM	XEN MID
Total/NA	Analysis	8015B NM		1			24609	05/02/22 20:29	BJH	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	24411	04/28/22 11:37	SC	XEN MID
Soluble	Analysis	300.0		10			24591	05/01/22 21:50	СН	XEN MID

#### **Client Sample ID: SS03A** Date Collected: 04/26/22 13:15 Date Received: 04/27/22 08:21

	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	25031	05/07/22 13:16	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	25034	05/09/22 09:39	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			25082	05/09/22 11:41	MR	XEN MID
Total/NA	Analysis	8015 NM		1			24758	05/03/22 16:49	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	24438	04/28/22 13:59	DM	XEN MID
Total/NA	Analysis	8015B NM		1			24609	05/02/22 20:51	BJH	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	24411	04/28/22 11:37	SC	XEN MID
Soluble	Analysis	300.0		1			24591	05/01/22 22:16	СН	XEN MID

#### **Client Sample ID: SS04** Date Collected: 04/26/22 10:40 Date Received: 04/27/22 08:21

Total/NA Total/NA Total/NA Total/NA Total/NA Total/NA Soluble Soluble

Bate Received.	04/21/22 00.2									
_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	25031	05/07/22 13:16	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	25034	05/09/22 09:59	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			25082	05/09/22 11:41	MR	XEN MID
Total/NA	Analysis	8015 NM		1			24758	05/03/22 16:49	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	24438	04/28/22 13:59	DM	XEN MID
Total/NA	Analysis	8015B NM		1			24609	05/02/22 21:12	BJH	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	24411	04/28/22 11:37	SC	XEN MID

24591

05/01/22 22:25 CH

#### **Eurofins Carlsbad**

XEN MID

SDG: 03E1558014

Matrix: Solid

#### Lab Sample ID: 890-2250-7 Matrix: Solid

Lab Sample ID: 890-2250-8

9

#### Lab Sample ID: 890-2250-9 Matrix: Solid

Lab Sample ID: 890-2250-10

Matrix: Solid

Analysis

300.0

Client: Ensolum

Prep Type

Total/NA

Total/NA

Total/NA

Total/NA

Total/NA

Total/NA

Soluble

Soluble

Project/Site: PLU 213

Client Sample ID: SS04B

Date Collected: 04/26/22 12:10

Date Received: 04/27/22 08:21

Batch

Туре

Prep

Analysis

Analysis

Analysis

Analysis

Leach

Analysis

Prep

Batch

Method

5035

8021B

Total BTEX

8015NM Prep

8015B NM

DI Leach

300.0

8015 NM

Initial

Amount

5.01 g

5 mL

10.00 g

5.02 g

Final

Amount

5 mL

5 mL

10 mL

50 mL

Batch

25031

25034

25082

24758

24438

24609

24411

24591

Number

Dil

1

1

1

1

1

Factor

Run

Job ID: 890-2250-1 SDG: 03E1558014

# Lab Sample ID: 890-2250-11

Analyst

MR

MR

MR

AJ

DM

BJH

SC

СН

Lab Sample ID: 890-2250-12

Matrix: Solid

Lab

XEN MID

Matrix: Solid

#### Client Sample ID: FS01 Date Collected: 04/26/22 14:30

Date Received: 04/27/22 08:21

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	25031	05/07/22 13:16	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	25034	05/09/22 12:10	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			25082	05/09/22 11:41	MR	XEN MID
Total/NA	Analysis	8015 NM		1			24758	05/03/22 16:49	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	24438	04/28/22 13:59	DM	XEN MID
Total/NA	Analysis	8015B NM		1			24609	05/02/22 21:56	BJH	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	24411	04/28/22 11:37	SC	XEN MID
Soluble	Analysis	300.0		50			24591	05/01/22 23:01	СН	XEN MID

#### Laboratory References:

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

Eurofins Carlsbad

SDG: 03E

Prepared

or Analyzed

05/07/22 13:16

05/09/22 10:20

05/09/22 11:41

05/03/22 16:49

04/28/22 13:59

05/02/22 21:34

04/28/22 11:37

05/01/22 22:52

Accreditation/Certification Summary

Client: Ensolum Project/Site: PLU 213

Laboratory: Eurofins Midland

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

thority	P	rogram	Identification Number	Expiration Date
xas	N	IELAP	T104704400-21-22	06-30-22
The following analytes	are included in this report, b	out the laboratory is not certif	ied by the governing authority. This list ma	ay include analytes for w
the agency does not o		•• ••		
the agency does not o Analysis Method	fer certification. Prep Method	Matrix	Analyte	
0,		Matrix Solid	Analyte Total TPH	· ·

10

Job ID: 890-2250-1

SDG: 03E1558014

Client: Ensolum Project/Site: PLU 213 Job ID: 890-2250-1 SDG: 03E1558014

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

#### Protocol References:

ASTM = ASTM International

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

#### Laboratory References:

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

#### Sample Summary

Client: Ensolum Project/Site: PLU 213

Job ID: 890-2250-1
SDG: 03E1558014

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth	
890-2250-1	SS01	Solid	04/26/22 10:25	04/27/22 08:21	0.5	
890-2250-2	SS01A	Solid	04/26/22 13:30	04/27/22 08:21	1	
890-2250-3	SS01B	Solid	04/26/22 13:40	04/27/22 08:21	3	
890-2250-4	SS01C	Solid	04/26/22 14:00	04/27/22 08:21	4	
890-2250-5	SS02	Solid	04/26/22 10:15	04/27/22 08:21	0.5	
890-2250-6	SS02A	Solid	04/26/22 10:45	04/27/22 08:21	1	
890-2250-7	SS02B	Solid	04/26/22 11:40	04/27/22 08:21	4	
890-2250-8	SS03	Solid	04/26/22 10:35	04/27/22 08:21	0.5	
890-2250-9	SS03A	Solid	04/26/22 13:15	04/27/22 08:21	4	
890-2250-10	SS04	Solid	04/26/22 10:40	04/27/22 08:21	0.5	
890-2250-11	SS04B	Solid	04/26/22 12:10	04/27/22 08:21	3	
890-2250-12	FS01	Solid	04/26/22 14:30	04/27/22 08:21	0.5	
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Work Order Col USTYPST DRPD Brow oject: Level III Devel III P es: EDD D ADaP ADaP es: EDD ADaP ADaP II K Se Ag SiO <sub>2</sub> Na Sr Hg: 1631/245.1/ Inted.		Xenco			Hoh	bs. NM (575	EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296 Hobbs. NM (575) 392-7550. Carlsbad. NM (575) 988-3199	806) 794-1296 (575) 988-3199		
Manage         Kallet         Conservation         Bits of foreer         With Conservation         With Conservation           Paymenc         Editory-ULUIA         Conservation         Editory-ULUIA         Ensuitability         Manage         Ensuitability         Manage         Ensuitability         With Conservation									www.xenco.cc	Page 1 of
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er/home:     ML: Gas/NO     ML: Gas/NO     ML: factor the day reacted by the law function in the law for t		21242,-1036	11366	Due Date:			-			
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li K Se Ag SiO <sub>2</sub> Na Sr Hg: 1631/245.1/ Itated	PLE RECEIPT	Temp Blank:	Yes No	Wet Ice:	Kes No	sters	-			
III K Se Ag SiO <sub>2</sub> Na Sr Hig: 1631/245.1/ Itated.	les Received Intact:	Kes No	Thermomete	F	100 P	eme				NaHSO 4: NABIS
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li K Se Ag SiO <sub>2</sub> Na Sr Hg: 1631/245.1/ Begived by Gronature)	ole Custody Seals:	Yes No NULA	Temperature	Reading:	0.0	Т	12			Zn Acetate+NaOH: Zn
li K Se Ag SiO <sub>2</sub> Na Sr Hg: 1631/245.1/ Itated	Containers:		Corrected Te	mperature:	4.0	_	7X 7 1) (6			NaOH+Ascorbic Acid: SAPC
li K Se Ag SiO <sub>2</sub> Na Sr Hg: 1631/245.1/ Begived by Gronature)	Sample Identificatio			Time Sampled			0142 319			Sample Comments
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uisiment of samples constitutes a valid purchase order from client company to Eurofins Xenco. Its affiliates and subcontractors. It assigns standard terms and conditions arite cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to chromatines beyond the control 00 will be applied to each project and a charge of S5 for each sample submitted to Eurofins Xenco. but not analyzed. These terms will be enforced unless previously negotiated. Received by: (Signature) Date/Time Relinquished by: (Signature) Bregived by: (Signature) Date/Time FTMDMAPPUNC 11202133 27WMM777 112022130 27WM777 112022130 27WM777 112022130 27WM777 112022130 27WM777 112022130 12000000000000000000000000000	otal 200.7 / 6010 le Method(s) and A	200.8 / 6020: Metal(s) to be ani		TCLP/SF	-	CRA Sb	As Ba Be Ed Cr C	a LF LO LU FE PD MG CO CU PD MN MO NI S	Hg:	7470 / 74
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5/9/2022

Page 63 of 71

# Eurofins Carlsbad 1089 N Canal St. 5

Chain of Custody Record

13



Carisbad NM 86220 Phone 575-988-3199 Fax 575-988-3199							-											-							America	rica			
Client Information (Sub Contract Lab)	Sampler:			Lab PM Krame	Lab PM Kramer Jessica	essic	۵						Carrier Tracking No(s)	Track	ing N	(s)	Í			888	COC No 890-730 1	01							
Client Contact Shipping/Receiving	Phone:			E-Mail Jessi	E-Mail Jessica Kramer@et.eurofinsus c	rame	r@et	eurof	insus	com		- (0	State of Origin New Mexico	f Orig Mexi	8 =	1				Pa	Page <sup>.</sup> Page 1 of 2	9. N	~						1
Company Eurofins Environment Testing South Centr					Accre	Accreditations Required (See note): NELAP - Texas	ns Req	uired (	See n	ote):							- (			-068 # qor	Job #: 890-2250-1	5-1	-						1
Address 1211 W Florida Ave	Due Date Requested 5/3/2022	ŭ							Ana	nalv	Ilysis F	Requested	lest	e B			[			च	Preservation Codes	/atio	2 2	) des					
City: Midland	TAT Requested (days):	/s):				<u>ana a</u>									_						HCL NaOH	HCL NaOH Zh Acetate	,	) z z		Hexane None			
State Zip TX 79701						TPH	<u></u>													mσα	Nati	Nitric Acid NaHSO4	ш (	οπi		Na2O4S Na2SO3	۸ د پ ښ		
Phone 432-704-5440(Tel)	PO #					) Full		e						<u></u>						:ດ TI	Amchic	Amchlor	:	כר מיו		Na2S2O3 H2SO4	. ຜ		
Email	WO#:				2,325	all the second of		Chlorid	EX			<u> </u>								<u> </u>	Ascorbic . Ice Dí Water	Ascorbic Acid ce Dí Water	Aciq	<		I SP Dod Acetone MCAA	* deca	I SP Dodecahydrate Acetone MCAA	ite
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Site	SSOW#				CONTRACTOR -	Mandelanered	<u> </u>	лоі_Li	alc (M	1									f con	<u></u>	Other:								
		Sample	Sample Type	Matrix (W=water S=solid,	d Filtered S orm MS/M	MOD_NM/8	MOD_Calc	ORGFM_28	B/5035FP_0	_BTEX_GC									l Number (	na na star si kan si kan sa								[	1
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SS01A (890-2250-2)	4/26/22	13 30 Mountain		Solid		×	×	×	×	×									4									[	
SS01B (890-2250-3)	4/26/22	13 40 Mountain		Solid		×	×	×	×	×									*										
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SS02 (890-2250-5)	4/26/22	10 15 Mountain		Solid		×	×	×	×	×																			1
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SS03A (890-2250-9)	4/26/22	13 15 Mountain		Solid		×	×	×	×	×									. نفین	أيضع محمد معيناً									1
Note Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central LLC places the ownership of method analyfe & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins Environment Testing South Central LLC.	tt Testing South Centra bove for analysis/tests/r ntral LLC attention imr	ا (LLC places natrix being a nediately اf د	the ownership nalyzed, the sa Ill requested ac	of method ana imples must be coreditations ar	alyfe & a shippe e curre	accredi 3d back nt to da	itation < to the ate, ret	compli Eurof um the	ance u îns En signe	lpon o vironm d Cha	ut subo ent Te	contra sting ustod	ct labo South	oratori Centi ting t	es T al LL said	his sa C lab comj	ample orato	) ship ry or ce to	ment other Euro	t is for r inst ofins	orwan ructio Envin	ded u ins wi	inder ill be ant Te	chair provid sting	n-of-c ded Sou	ustoc Any o th Ce	ty If shanu	the Jes to	
Possible Hazard Identification Unconfirmed					<u> </u>	Sample Disposal ( A fe	le Disposal ( A fi Return To Client	posa n To	Clien	t fee r	e may be assessed if samples are retained longer than 1 month		assessed if san Disposal By Lab	al By	San	nple	sar	∐s	Arct	hive	t <mark>ained long</mark> Archive For	ler ti	han	1 1	M	nth) Months	<i>"</i>		
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																									Ver 06/08/2021	06/0	8/20	21	

#### Received by OCD: 7/12/2022 2:50:41 PM

1089 N Canal St. Carlsbad NM 88220 Phone. 575-988-3199 Fax 575-988-3199 Client Information (Sub Contract Lab) Client Contact	Sampler Phone	Chain	Chain of Custody Record		/ Record	ssica						Carr	Carrier Tracking No(s)	cking	No(s)				COC No. 890-730 2	COC No 890-730 2
Shipping/Receiving				Jessi		amer(	0et e	urofi	sus	Som		Nev	State of Origin New Mexico	(joingin				}	τυ	Page <sup>.</sup> Page 2 of 2
Eurofins Environment Testing South Centr					Accreditations Requ NELAP - Texas	Accreditations Required (See NELAP - Texas	Requi	red (S	ee note):	e):									<u>20 E</u>	Job # <sup>.</sup> 890-2250-1
Address. 1211 W Florida Ave,	Due Date Requested 5/3/2022	đ							<u>₽</u>	nalvsis		Requested	ře							Preservation Codes
City Midland	TAT Requested (days)	ays)				<u>hariba yili</u>			]											HCL NaOH
State Zip TX 79701					<del>ter ange</del> Stillensge	TPH													mυn	
Phone 432-704-5440(Tel)	PO #				<u>Constrator</u>	) Full "		,			<u></u>								0.11	MeOH Amchlor
Email	WO #				A line boundary.	(MOD		loride	x			**************************************				·	•i	·	<u></u>	Ascorbic Acid
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r rujevi raline PLU 213	Project #: 89000093				appropriate	_S_Pr		EACH	OD) E		<u></u>							taine		
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			Sample Type	Matrix ( <sup>W=water</sup>	Filtered m MS/M	OD_NM/8	OD_Calc	RGFM_28	5035FP_0	BTEX_GC								lumber	T	
Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	(C=comp, G=orab)	S=solid, O=waste/oil, RT=Tiecco A=Air	Field I	301 <i>5</i> M	801 <i>5</i> M	00_01	021B/	'otal_E							·	otal N	7.00%	Constant Instant
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						Cooler Temperature(s)	Tem	nerati		C and	and Other Demote				ſ	l	I	l		

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#### Login Sample Receipt Checklist

Client: Ensolum

Login Number: 2250 List Number: 1 Creator: Clifton, Cloe

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

Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").

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Job Number: 890-2250-1 SDG Number: 03E1558014

#### List Source: Eurofins Carlsbad

Job Number: 890-2250-1 SDG Number: 03E1558014

List Source: Eurofins Midland

List Creation: 04/28/22 10:30 AM

#### Login Sample Receipt Checklist

Client: Ensolum

Login Number: 2250 List Number: 2 Creator: Rodriguez, Leticia

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

Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").



# APPENDIX D

**NMOCD** Notifications

From:	Hamlet, Robert, EMNRD
To:	Collins, Melanie
Cc:	DelawareSpills /SM; Aimee Cole; Ben Belill; Tacoma Morrissey; Kalei Jennings; Bratcher, Mike, EMNRD; Nobui, Jennifer, EMNRD; Harimon, Jocelyn, EMNRD
Subject:	(Extension Denied) - XTO - PLU 213 Tank Battery (Incident Number NAPP2205439646)
Date:	Friday, July 8, 2022 10:04:29 AM
Attachments:	image003.png

#### [ \*\*EXTERNAL EMAIL\*\*]

#### RE: Incident # NAPP2205439646

#### Melanie,

An extension for this release has already been granted. Your request for another extension is **denied**. Include this e-mail correspondence in the remediation and/or closure report.

Robert Hamlet • Environmental Specialist - Advanced Environmental Bureau EMNRD - Oil Conservation Division 811 S. First Street | 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: Friday, July 8, 2022 8:56 AM
To: Enviro, OCD, EMNRD <OCD.Enviro@state.nm.us>; Bratcher, Mike, EMNRD
<mike.bratcher@state.nm.us>; Hamlet, Robert, EMNRD <Robert.Hamlet@state.nm.us>
Cc: DelawareSpills /SM <DelawareSpills@exxonmobil.com>; acole@ensolum.com;
bbelill@ensolum.com; Tacoma Morrissey <tmorrissey@ensolum.com>; Kalei Jennings

<kjennings@ensolum.com>

**Subject:** [EXTERNAL] XTO Extension Request - PLU 213 Tank Battery (Incident Number NAPP2205439646)

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

All,

#### PLU 213 Tank Battery (Incident Number NAPP2205439646)

XTO is requesting an extension for the current deadline of July 12, 2022 for submitting a remediation work plan or closure report required in 19.15.29.12.B.(1) NMAC at the PLU 213 Tank Battery (Incident Number NAPP2205439646). The release occurred on February 12, 2022 in an area surrounded by active production equipment. Initial assessment of the release has been completed and excavation of impacted soil was completed last week. Laboratory analytical results are pending. In addition, XTO intends to drill a depth to water boring to confirm the closure criteria at the Site. In order to allow time to schedule with a driller, drill the depth to water boring, and submit a remediation work plan or closure report, XTO request a 90-day extension of the deadline until October 10, 2022.

Thank you,

Melaníe Collíns Environmental Technician melanie.collins@exxonmobil.com 432-556-3756

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

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

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

CONDITIONS

Operator:	OGRID:
XTO ENERGY, INC	5380
6401 Holiday Hill Road	Action Number:
Midland, TX 79707	124764
	Action Type:
	[C-141] Release Corrective Action (C-141)
CONDITIONS	

#### Created Condition Condition By Date Remediation Plan Approved. 8/29/2022 jnobui

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Action 124764