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

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-141
Revised August 8, 2011

Submit 1 Copy to appropriate District Office in accordance with 19.15.29 NMAC.

Release Notification and Corrective Action

nAB1528240224 241289

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company RKI E&P, LLC	Contact Taylor Jones
Address 210 Park Ave. – Ste. 700, OKC, OK 73102	Telephone No. 405-996-5782
Facility Name: Ross Draw Unit 34	Facility Type : Oil and Gas Well

Surface Owner: Federal	Mineral Owner: Federal	API No. 30-015-41578

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
D	22	26S	30E	600	FNL	435	FWL	Eddy

Latitude: 32.0336418 **Longitude:** -103.8763428

NATURE OF RELEASE

Type of Release. Produced Water	Volume of Release: 70 Bbls	Volume Recovered: 55 Bbls
Source of Release Surface Poly line	Date and Hour of Occurrence 10/6/15 – 0300hrs MT	Date and Hour of Discovery 10/06/15 – 0300hrs MT
Was Immediate Notice Given? ☒ Yes ☐ No ☐ Not Required	If YES, To Whom? Shelly Tucker (BLM)	
By Whom? Zack Laird	Date and Hour: 10/07/15 – 1130hrs	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse. N/A	

NM OIL CONSERVATION
ARTESIA DISTRICT
OCT 07 2015
RECEIVED

If a Watercourse was Impacted, Describe Fully.* N/A

Describe Cause of Problem and Remedial Action Taken.*
A poly line carrying natural gas parted and caught fire on the ROW which has 2 other gas lines and 5 poly water lines on it which in turn melted the water lines causing the produced water release

Describe Area Affected and Cleanup Action Taken.*

Produced water spill remained on pipeline ROW, affecting a 25'x25' area. Gas to poly line was shut in allowing fire to extinguish. Vac truck dispatched to recover all standing produced water.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD 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 NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD 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.

Signature: Taylor Jones

Printed Name: Taylor Jones

Title: EHS Systems Specialist

E-mail Address: Tjones@rkixp.com

Date: 10/07/15 Phone: 405-996-5782

OIL CONSERVATION DIVISION

Approved by Environmental Specialist:

Approval Date: 10/9/15 Expiration Date: N/A

Conditions of Approval: Attached ☐

Remediation per O.C.D. Rules & Guidelines
SUBMIT REMEDIATION PROPOSAL NO LATER THAN: 11/13/15

2RP-3322

* Attach Additional Sheets If Necessary

Incident ID	NAB1528240224
District RP	
Facility ID	
Application ID	

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?	>105 (ft bgs)
Did this release impact groundwater or surface water?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ☒ No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ☒ No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes ☒ No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ☒ No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ☒ No
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ☒ No
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ☒ No
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ☒ No
Did the release impact areas **not** on an exploration, development, production, or storage site?	☒ Yes ☐ No

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

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

☒ Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
☒ Field data
☒ Data table of soil contaminant concentration data
☒ Depth to water determination
☒ Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
☒ Boring or excavation logs
☒ Photographs including date and GIS information
☒ Topographic/Aerial maps
☒ Laboratory data including chain of custody

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

Form C-141
Page 4

State of New Mexico
Oil Conservation Division

Incident ID	NAB1528240224
District RP	
Facility ID	
Application ID	

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

Printed Name: Jim Raley Title: Environmental Professional

Signature: Jim Raley Date: 7/18/2022

email: jim.raley@dvn.com Telephone: 575-689-7597

OCD Only

Received by: _____ Date: _____

Incident ID	NAB1528240224
District RP	
Facility ID	
Application ID	

Remediation Plan

Remediation Plan Checklist: ***Each of the following items must be included in the plan.***

- ☒ Detailed description of proposed remediation technique
- ☒ Scaled sitemap with GPS coordinates showing delineation points
- ☒ Estimated volume of material to be remediated
- ☒ Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC
- ☒ Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)

Deferral Requests Only: ***Each of the following items must be 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.

Printed Name: Jim Raley Title: Environmental Professional

Signature: Jim Raley Date: 7/18/2022

email: jim.raley@dvn.com Telephone: 575-689-7597

OCD Only

Received by: _____ Date: _____

☐ Approved ☑ Approved with Attached Conditions of Approval ☐ Denied ☐ Deferral Approved

Signature: Brittany Hall Date: 12/29/2022

Five-point composite confirmation samples representative of no more than 200 square feet must be collected from the base and walls of the excavation prior to backfilling activities.

REMEDIATION WORK PLAN ADDENDUM AND CLOSURE REQUESTS

Site Location:

Ross Draw Unit #034
Eddy County, New Mexico
Incident Numbers: nAPP2107554265, NAB1736055339 (2RP-4529), and NAB1528240224 (2RP-3322)

July 14, 2022
Ensolum Project No. 03A1987003

Prepared for:

WPX Energy Permian, LLC
5315 Buena Vista Dr.
Carlsbad, New Mexico 88220
Attention: Jim Raley

Prepared by:

Joseph S. Hernandez
Senior Geologist

Daniel R. Moir, PG
Senior Managing Geologist

ENSOLUM

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APPENDICES

1.0 INTRODUCTION

Ensolum, LLC (Ensolum) has prepared this updated Remediation Work Plan Addendum and Closure Requests (RWPA&CR) to document site assessment and soil sampling activities performed by WPX Permian Energy, LLC (WPX) at the Ross Draw Unit #034 (hereinafter referred to as the "Site") located in Unit D, Section 22, Township 26 South, Range 30 East, in Eddy County, New Mexico **(Figure 1 in Appendix A)**. Based on initial efforts to address releases on and off pad of at the Site, field observations, field screening laboratory analytical results from additional delineation soil sampling activities at the Site, WPX respectfully submits this RWPA&CR report, which summarizes remedial activities that have occurred and proposes additional remediation activities for one historical release and no further action (NFA) for two other reportable releases. All previous remediation activity summaries, soil sample analytical results, and submitted deliverable documents can be referenced in the original Remediation Work Plan (RWP) and RWPA, authored by WSP USA (WSP), which was approved by the New Mexico Oil and Conservation Division (NMOCD) on April 22, 2022.

1.1 Site Description and Release Background

The Site is located within Eddy County, New Mexico (32.0336418, -103.8763428) and is associated with oil and gas exploration and production operations on Bureau of Land Mangament (BLM) managed federal land **(Figure 1 in Appendix A)**.

WSP submitted Work Plans to the NMOCD for the three reportable releases of crude oil and/or produced water that occurred between October 2015 and March 2021. WPX reported each release to the NMOCD on a Release Notification and Corrective Action Form (Form C-141). The releases are described in further detail in the original Work Plans. The releases were assigned Incident Numbers NAB1528240224 (2RP-3322), NAB1736055339 (2RP-4529) and nAPP2107554265

1.2 Site Characterization

The approved RWPA detailed site characterization 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). The Site receptors are identified on **Figure 1 in Appendix A** and the release locations are presented on **Figure 2 in Appendix A**. Based on the site characterization, the following Closure Criteria were applied:

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

A reclamation requirement of 600 mg/kg chloride and 100 mg/kg TPH applies to the top 4 feet in the pasture area that was impacted by the release.

1.3 Project Objective

The primary objectives of Ensolum's scope of services were to follow through with delineation activities approved in the original RWPA. Specifically, Ensolum documented site characterization in accordance with the applicable NMOCD regulatory guidelines and assessed soil for the presence or absence of concentrations of constituents of concern (COCs) exceeding the Closure Criteria and/or the reclamation requirement.

2.0 SOIL SAMPLING

Ensolum conducted soil sampling activities at the Site to verify the presence or absence of soil impacts associated with the subject releases. Delineation samples were collected in potholes advanced with heavy equipment (samples designated PH) or boreholes with a hand auger (samples designated as BH). Delineation activites were directed by field sceening soil for volatile aromatic hydrocarbons utilizing a calibrated photoionization detector (PID) and chloride using Hach® chloride QuanTab® test strips. In general, at least total two soil samples were collected from each delineation soil sample location: the sample with the highest observed field screening and the greatest depth. The location of the delineation samples are shown **in Figure 2 in Appendix A**. Field screening results and observations for each delineation soil sample were recorded on lithologic soil sampling logs (**Appendix C**). Photographic documentation during delineation activities is included in **Appendix D**.

The delineation soil samples were transported at or below 4 degrees Celsius (°C), under strict chain-of-custody procedures, to Eurofins LLC (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.

The following subsections detail delineation activities for the three subject releases.

2.1 nAPP2107554265 and NAB1736055339 (2RP-4529)

On May 18 and 19, 2022, soil sampling activities were conducted by Ensolum to confirm the presence or absence of impacted soil in areas associated with the subject release areas. A total of 14 potholes (PH01 through PH14) were completed in and around the release extents for Incident Numbers nAPP2107554265 and NAB1736055339 (2RP-4529). Potholes PH01 and PH02 were advanced to approximately 4 feet bgs inside the release extents and the remaining 12 potholes were advanced to approximately 1 foot bgs outside the release extents for lateral definition of COCs. It should be noted that potholes PH09, PH10, and PH11 were advanced off pad, assessing the pasture for reclamation requirements.

2.2 NAB1528240224 (2RP-3322)

On May 19, 2022, soil sampling activities for this release coinciding with field activities for the preceeding two releases. A total of 10 boreholes (BH01 through BH10) were advanced to approximately 4.5 feet bgs in and around the release extent to confirm the presence or absence of impacted soil. Boreholes BH01 through BH03 were advanced within the release extent and boreholes BH04 through BH10 were advanced beyond the release extent for lateral definition of COCs. BH09 exhibited elevated concentrations of COCs associated with the reclamation requirement, which resulted in an expanded investigation area toward the west. The release

extent is located off pad in a pipeline ROW, therefore the reclamation requirements were applied to this release.

3.0 SOIL SAMPLING RESULTS

Laboratory analytical results are summarized in the **Table 1** included in **Appendix E**. The executed chain-of-custody forms and laboratory analytical reports are provided in **Appendix F.** Historical laboratory analytical results have been previously submitted to NMOCD and are present on the NMOCD imaging portal online.

3.1 nAPP2107554265 and NAB1736055339 (2RP-4529)

Laboratory analytical results for delineation pothole soil samples PH01 through PH08, and PH12 through PH14, collected at depths ranging from approximately 0.5 feet to 4 feet bgs, in and around the release extent, indicated all COC concentrations were in compliance with the Closure Criteria. Laboratory analytical results for delineation pothole samples PH09 through PH11, collected in the pasture at depths of 0.5 feet and 1 foot bgs, indicated all COC concentrations were in compliance with the Closure Criteria as well as the reclamation requirement.

3.2 NAB1528240224 (2RP-3322)

Laboratory analytical results for delineation borehole soil samples BH01 through BH10 indicated COC concentrations were all in compliance with the Closure Criteria; however, based on the location of the release, soil sample analytical results were also evaluated against the reclamation requirement. Laboratory analytical resuls for delineation borehole soil samples BH01, BH02 and BH09 indicated chloride exceeded the reclamation requirement at depths ranging from 1 foot to 3 feet bgs. Beyond 4 feet bgs, all soil samples were in compliance with the Closure Criteria.

4.0 CONCLUSIONS

4.1 nAPP2107554265 and NAB1736055339 (2RP-4529)

During March 2021, WPX excavated impacted soil within the release footprints to depths ranging from 0.5 feet to 1-foot bgs on pad and 0.5 feet to 5 feet bgs off pad. Based on excavation soil sampling activities completed (March 16, 2021 by WSP) within the two overlapping release extents, COCs in soil on and off pad are in compliance with the Closure Criteria. Furthermore, COCs in off pad soil was also compliant with the reclamation requirement.

The May 2022 delineation soil sampling activities appear to have confirmed the absence of residual impacts on and off pad as they relate to COCs for the two releases. All soil samples collected in and around the release extents, including off pad, are in compliance with applicable Closure Criteria and/or reclamation requirement. As a result, excavation and delineation activities appear to have adequately addressed impacted soil above COCs and/or confirmed soil impacts are below COCs for the December 2017 and March 2021 releases.

4.2 NAB1528240224 (2RP-3322)

Delineation activites for the October 2015 release indicated that there is an absence of impacts to soil for COCs related to the release; however, the release did occur within a pipeline ROW off

pad and therefore the reclamation requirements will apply. Laboratory analatyical results for soil samples collected between 1 foot and 3 feet bgs indicated concentrations of chloride exceeded the reclamation requirment. Based on these results, waste-containing soil appears to be present within and outside portions of the release extent to a depth of 4 feet bgs.

5.0 CLOSURE REQUESTS - nAPP2107554265 & NAB1736055339 (2RP-4529)

A release of crude oil and produced water at the Site's wellhead in March 2021 overlapped with a historical release of produced water from a flowline in 2017. The combined release of fluids was 8 bbls of oil and 6 bbls of produced water. Through immediate efforts to minimize impacts to the environment, WPX recovered 5 bbls of crude oil and 2 bbls of produced water via vacuum trucks. In addition, WPX excavated 150 cubic yards of soil within the March 2021 release extent, which did overlap with the 2017 release. Confirmation soil samples from the floor and sidewalls of the excavation confirmed residual soil was in compliance with the Closure Criteria and/or with reclamation requirements (off pad soil in the top 4 feet).

Subsequently, WPX conducted delineation activities at the Site in May 2021 and most recently in May 2022. A total of 14 potholes were advanced to asses for the presence or absence of impacts to soil from the 2017 release as well as provide lateral definitition for the both releases. Based on previous remediation efforts, delineation analytical resuls, and field observations, it appears the two release have been fully characterized and remediated to meet requirements set forth in 19.15.29 NMAC. WPX has remediated Incident Numbers nAPP2107554265 and NAB1736055339 (2RP-4529) that has been protective of human health, the environment, and groundwater. As such, WPX respectfully requests NFA for Incident Numbers nAPP2107554265 & NAB1736055339 (2RP-4529).

6.0 REMEDIATION WORK PLAN ADDENDUM - NAB1528240224 (2RP-3322)

Based on the conclusions presented above, the following remediation is proposed:

- Waste-containing soil within the pipeline ROW and in the vicinity of boreholes BH01, BH02, BH03, and BH09 will be excavated pursuant to 19.15.29.13 NMAC to "*restore the impacted areas to the condition that existed prior to the release or their final land use*." While impacted soil exceeding the Closure Criteria has not been documented in connection to this release, waste-containing as defined by 19.15.29.13 NMAC is present, specifically soil containing chloride at concentrations greater than 600 mg/kg. As such, areas with waste-containing soil will be excavated and transferred to: (a) a New Mexico approved landfill facility for disposal and the excavation will be backfilled with non-waste containing soil, as defined by "Procedures for Implementation of the Spill Rule" (September 6, 2019) or (b) an on-site ex-situ treatment location utilizing chemical fixation. Chemical fixation will be completed through the application of 3 Tier Technologies' SA-1000 or SA-2000 amendment to waste-containing soil. Following confirmation of chloride concentrations meeting reclamation requirements, on a frequency of one 5-point composite sample per 100 cubic yards of soil treated soil, the soil will be backfilled into the excavation.
- Since soil removal/treatment is solely based on the reclamation requirements, confirmation samples of floors and/or sidewalls do not appear to be required. WPX will verify delineation sampling is sufficient to document the removal of waste-containing soil where applicable.

- Surface scraping may be conducted to remove any minor surficial staining in areas that are delineated;

- Access for remediation or disturbance that occurs offsite requires landowner approval. WPX will prepare and submit documentation for proposed work areas before initiating corrective actions;

- WPX or third party operator may implement additional safety precautions above encroachment guidelines, including restrictions on hand shoveling and cribbing near utility lines. These restrictions may be implemented as health and safety precautions at the judgment and responsibility of a WPX or third-party operator safety representative; and

- Subsequent to the completion of remediation and receipt of soil confirmation sample results documenting that waste-containing soil has been removed, the excavation will be backfilled with clean and/or treated soil and restored to “as close to its original state” as possible.

WPX believes the scope of work described above will meet requirements set forth in 19.15.29.13 NMAC and be protective of human health, the environment, and groundwater. As such, WPX respectfully requests approval of this RWPA&CR from NMOCD.

Based on the extent of planning and coordination at the Site, WPX anticipates initiating remediation activities for Incident Number NAB1528240224 (2RP-3322) within 90 days following approval from the landowner (BLM) and NMOCD. A follow-up report detailing remediation activities described above, including a summary of laboratory analytical results, will be submitted to NMOCD within 60 days of completing field activities.

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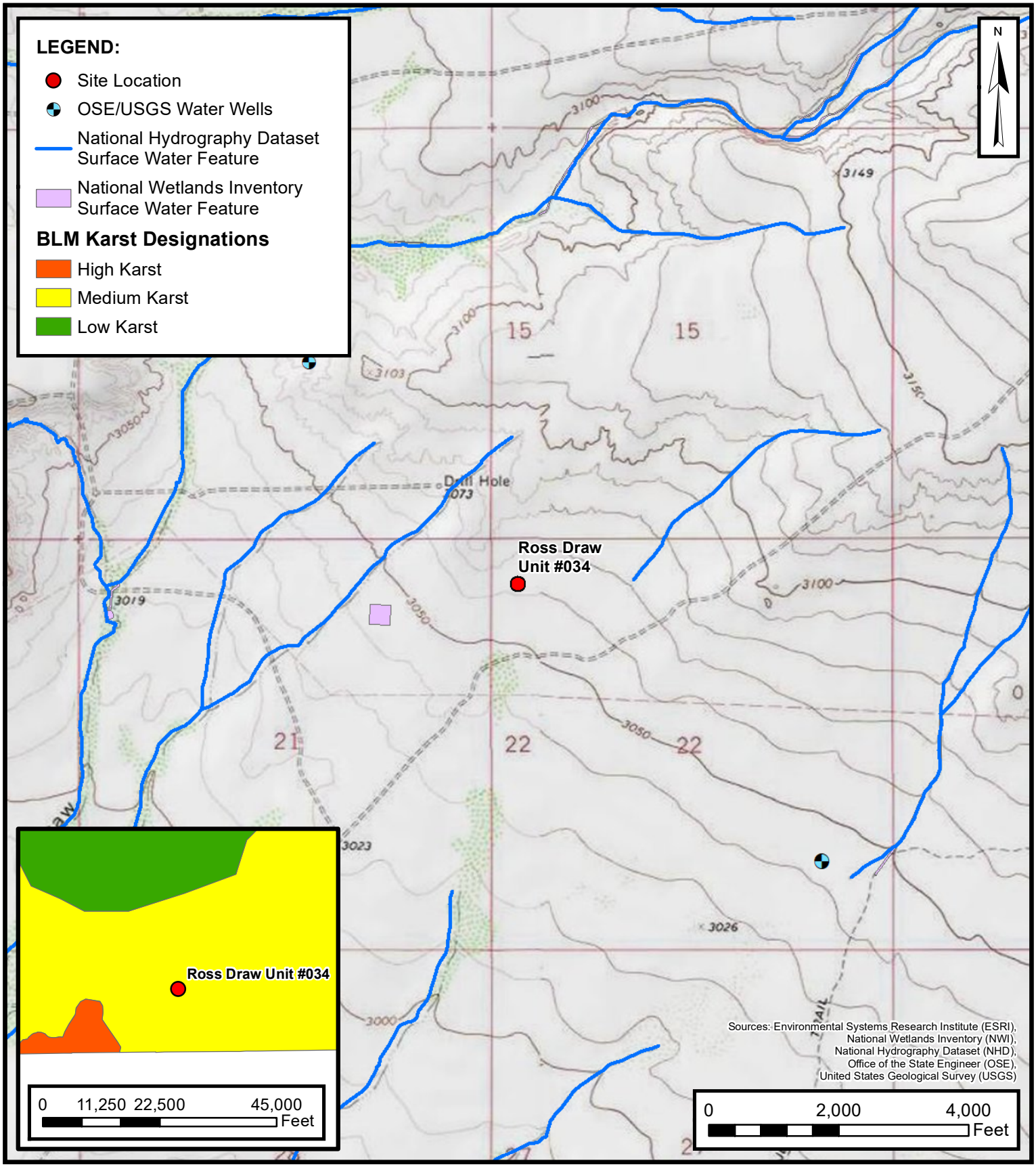
APPENDIX A

Figures



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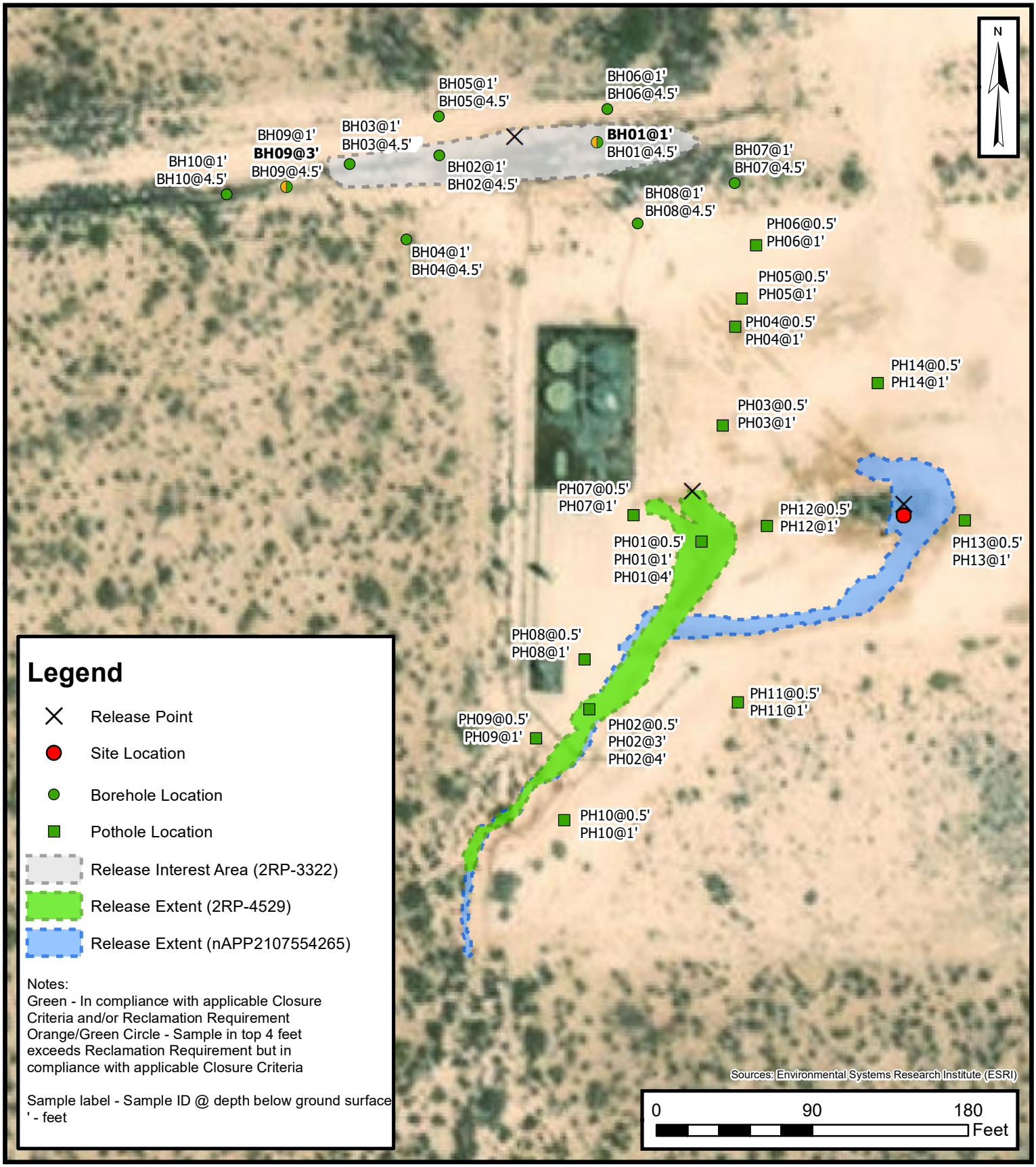
Environmental & Hydrogeologic Consultants

Site Receptor Map

Ross Draw Unit #034
WPX Energy Permian, LLC
Unit D Sec 22 T26S R30E
Eddy County, New Mexico

FIGURE
1



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Soil Sample Locations

ROSS DRAW UNIT #034
WPX Energy Permian, LLC
UNIT D SEC 22 T26S R30E
EDDY COUNTY, NEW MEXICO

FIGURE
2

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APPENDIX B

Referenced Well Records

HRL COMPLIANCE SOLUTIONS

BORING LOG/MONITORING WELL COMPLETION DIAGRAM

Boring/Well Number: MW-1		Location: Ross Draw Unit #38	
Date: 12/8/2020		Client: WPX Energy	
Drilling Method: Air Rotary	Sampling Method: None	Logged By: J. Linn, PG	Drilled By: Talon LPE
Gravel Pack Type: 10/20 Sand	Gravel Pack Depth Interval: 3 Bags	Seal Type: None / Seal Depth Interval: None	Latitude: 32.030300
Casing Type: PVC / Diameter: 2-inch / Depth Interval: 0-100 feet bgs		Boring Total Depth (ft. BGS): 105	Longitude: -103.871338
Screen Type: PVC / Slot: 0.010-inch / Diameter: 2-inch / Depth Interval: 100-105 ft		Well Total Depth (ft. BGS): 105	Depth to Water (ft. BTOC): > 105 / DTW Date: 12/16/2020

Depth Interval (ft)	Recovery (ft)	Plasticity	Moisture	Odor	Staining	PID (ppm)	USCS	Sample ID	Lithology/Remarks	Well Completion
0	NM	L	D	N	N	NM	SW	NS	Pale orange/pale pink to buff colored fine sand with minor medium and coarse sand	
5										
10										
15										
20	NM	L	D	N	N	NM	SP	NS	Pale orange/pale pink poorly graded fine sand	
25										
30										
35	NM	L	D	N	N	NM	SP	NS	Tan/pale brown/pale orange poorly graded fine sand	
40										
45										
50										
55										
60										
65										
70	NM	L	D	N	N	NM	SP	NS	Brick red brown poorly graded fine sand	
75										
80										
85										
90										
95										
100	NM	L	D	N	N	NM	SP	NS	Tan/pale brown/pale orange poorly graded fine sand - TD 105' BGS	

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APPENDIX C

Lithologic Soil Sampling Logs

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LITHOLOGIC / SOIL SAMPLING LOG

Sample Name: PH01	Date: 05/18/2022
Site Name: Ross Draw Unit #034	
Incident Number: NAB1736055339 (2RP-4529)	
Job Number: 03A1987018	
Logged By: LC	Method: Back Hoe
Hole Diameter: n/a	Total Depth: 4 feet

Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to water. No correction factors included. BDL - Below Detection Limit. SAA - Same as Above

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
						0		
Dry	932	-	No	PH01	0.5		CCHE	0-1': compacted pad surface caliche
Dry	1,744	-	No	PH01	1	1	SP-SM	1-4': dry, brown poorly-graded sand (f.) with gravel and silt, no odor, no stain, no plasticity, no cohesivenesss
Dry	1,632	-	No			2		
Dry	1,160	-	No			3		
Dry	932	-	No	PH01	4	4		

Total Depth

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LITHOLOGIC / SOIL SAMPLING LOG

Sample Name: PH02	Date: 05/18/2022
Site Name: Ross Draw Unit #034	
Incident Number: NAB1736055339 (2RP-4529)	
Job Number: 03A1987018	
Logged By: LC	Method: Back Hoe
Hole Diameter: n/a	Total Depth: 4 feet

Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to water. No correction factors included. BDL - Below Detection Limit. SAA - Same as Above

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
						0		
Dry	1,080	-	No	PH02	0.5		CCHE	0-1': compacted pad surface caliche
Dry	1,744	-	No			1	SP-SM	1-4': dry, brown poorly-graded sand (f.) with gravel and silt, no odor, no stain, no plasticity, no cohesivenesss
Dry	1,744	-	No			2		
Dry	1,861	-	No	PH02	3	3		
Dry	1,424	-	No	PH02	4	4		

Total Depth

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LITHOLOGIC / SOIL SAMPLING LOG

Sample Name: BH01	Date: 05/19/2022
Site Name: Ross Draw Unit #034	
Incident Number: NAB1528240224 (2RP-3322)	
Job Number: 03A1987018	
Logged By: LC	Method: Hand Auger
Hole Diameter: 2.5 inches	Total Depth: 4.5 feet

Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to water. No correction factors included. BDL - Below Detection Limit. SAA - Same as Above

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
						0		
Dry	5,480	-	No	BH01	1	1	SP-SM	0-4.5': dry, brown poorly-graded sand (f.) with gravel and silt, no odor, no stain, no plasticity, no cohesivenesss
Dry	3,164	-	No			2		
Dry	3,164	-	No			3		
						4		
Dry	2,268	-	No	BH01	4.5			

Total Depth

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LITHOLOGIC / SOIL SAMPLING LOG

Sample Name: BH02	Date: 05/19/2022
Site Name: Ross Draw Unit #034	
Incident Number: NAB1528240224 (2RP-3322)	
Job Number: 03A1987018	
Logged By: LC	Method: Hand Auger
Hole Diameter: 2.5 inches	Total Depth: 4.5 feet

Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to water. No correction factors included. BDL - Below Detection Limit. SAA - Same as Above

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
						0		
Dry	BDL	-	No	BH02	1	1	SP-SM	0-4.5': dry, brown poorly-graded sand (f.) with gravel and silt, no odor, no stain, no plasticity, no cohesivenesss
Dry	BDL	-	No			2		
Dry	280	-	No			3		
						4		
Dry	144	-	No	BH02	4.5			

Total Depth

ENSOLUM

LITHOLOGIC / SOIL SAMPLING LOG

Sample Name: BH03	Date: 05/19/2022
Site Name: Ross Draw Unit #034	
Incident Number: NAB1528240224 (2RP-3322)	
Job Number: 03A1987018	
Logged By: LC	Method: Hand Auger
Hole Diameter: 2.5 inches	Total Depth: 4.5 feet

Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to water. No correction factors included. BDL - Below Detection Limit. SAA - Same as Above

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
						0		
Dry	120	-	No	BH03	1	1	SP-SM	0-4.5': dry, brown poorly-graded sand (f.) with gravel and silt, no odor, no stain, no plasticity, no cohesivenesss
Dry	300	-	No			2		
Dry	624	-	No			3		
						4		
Dry	624	-	No	BH03	4.5			

Total Depth

ENSOLUM

LITHOLOGIC / SOIL SAMPLING LOG

Sample Name: BH05	Date: 05/19/2022
Site Name: Ross Draw Unit #034	
Incident Number: NAB1528240224 (2RP-3322)	
Job Number: 03A1987018	
Logged By: LC	Method: Hand Auger
Hole Diameter: 2.5 inches	Total Depth: 4.5 feet

Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to water. No correction factors included. BDL - Below Detection Limit. SAA - Same as Above

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
						0		
Dry	BDL	-	No	BH05	1	1	SP-SM	0-4.5': dry, brown poorly-graded sand (f.) with gravel and silt, no odor, no stain, no plasticity, no cohesivenesss
Dry	BDL	-	No			2		
Dry	BDL	-	No			3		
						4		
Dry	BDL	-	No	BH05	4.5			

Total Depth

ENSOLUM

LITHOLOGIC / SOIL SAMPLING LOG

Sample Name: BH04	Date: 05/19/2022
Site Name: Ross Draw Unit #034	
Incident Number: NAB1528240224 (2RP-3322)	
Job Number: 03A1987018	
Logged By: LC	Method: Hand Auger
Hole Diameter: 2.5 inches	Total Depth: 4.5 feet

Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to water. No correction factors included. BDL - Below Detection Limit. SAA - Same as Above

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
						0		
Dry	BDL	-	No	BH04	1	1	SP-SM	0-4.5': dry, brown poorly-graded sand (f.) with gravel and silt, no odor, no stain, no plasticity, no cohesivenesss
Dry	BDL	-	No			2		
Dry	BDL	-	No			3		
						4		
Dry	300	-	No	BH04	4.5			

Total Depth

ENSOLUM

LITHOLOGIC / SOIL SAMPLING LOG

Sample Name: BH06	Date: 05/19/2022
Site Name: Ross Draw Unit #034	
Incident Number: NAB1528240224 (2RP-3322)	
Job Number: 03A1987018	
Logged By: LC	Method: Hand Auger
Hole Diameter: 2.5 inches	Total Depth: 4.5 feet

Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to water. No correction factors included. BDL - Below Detection Limit. SAA - Same as Above

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
						0		
Dry	BDL	-	No	BH06	1	1	SP-SM	0-4.5': dry, brown poorly-graded sand (f.) with gravel and silt, no odor, no stain, no plasticity, no cohesivenesss
Dry	BDL	-	No			2		
Dry	BDL	-	No			3		
						4		
Dry	BDL	-	No	BH06	4.5			

Total Depth

ENSOLUM

LITHOLOGIC / SOIL SAMPLING LOG

Sample Name: BH07	Date: 05/19/2022
Site Name: Ross Draw Unit #034	
Incident Number: NAB1528240224 (2RP-3322)	
Job Number: 03A1987018	
Logged By: LC	Method: Hand Auger
Hole Diameter: 2.5 inches	Total Depth: 4.5 feet

Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to water. No correction factors included. BDL - Below Detection Limit. SAA - Same as Above

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
						0		
Dry	BDL	-	No	BH07	1	1	SP-SM	0-4.5': dry, brown poorly-graded sand (f.) with gravel and silt, no odor, no stain, no plasticity, no cohesivenesss
Dry	152	-	No			2		
Dry	BDL	-	No			3		
						4		
Dry	BDL	-	No	BH07	4.5			

Total Depth

ENSOLUM

LITHOLOGIC / SOIL SAMPLING LOG

Sample Name: BH08	Date: 05/19/2022
Site Name: Ross Draw Unit #034	
Incident Number: NAB1528240224 (2RP-3322)	
Job Number: 03A1987018	
Logged By: LC	Method: Hand Auger
Hole Diameter: 2.5 inches	Total Depth: 4.5 feet

Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to water. No correction factors included. BDL - Below Detection Limit. SAA - Same as Above

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
						0		
Dry	BDL	-	No	BH08	1	1	SP-SM	0-4.5': dry, brown poorly-graded sand (f.) with gravel and silt, no odor, no stain, no plasticity, no cohesivenesss
Dry	BDL	-	No			2		
Dry	BDL	-	No			3		
						4		
Dry	316	-	No	BH08	4.5			

Total Depth

ENSOLUM

LITHOLOGIC / SOIL SAMPLING LOG

Sample Name: BH09	Date: 05/19/2022
Site Name: Ross Draw Unit #034	
Incident Number: NAB1528240224 (2RP-3322)	
Job Number: 03A1987018	
Logged By: LC	Method: Hand Auger
Hole Diameter: 2.5 inches	Total Depth: 4.5 feet

Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to water. No correction factors included. BDL - Below Detection Limit. SAA - Same as Above

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
						0		
Dry	BDL	-	No	BH09	1	1	SP-SM	0-4.5': dry, brown poorly-graded sand (f.) with gravel and silt, no odor, no stain, no plasticity, no cohesivenesss
Dry	244	-	No			2		
Dry	588	-	No	BH09	3	3		
						4		
Dry	444	-	No	BH09	4.5			

Total Depth

ENSOLUM

LITHOLOGIC / SOIL SAMPLING LOG

Sample Name: BH10	Date: 05/19/2022
Site Name: Ross Draw Unit #034	
Incident Number: NAB1528240224 (2RP-3322)	
Job Number: 03A1987018	
Logged By: LC	Method: Hand Auger
Hole Diameter: 2.5 inches	Total Depth: 4.5 feet

Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to water. No correction factors included. BDL - Below Detection Limit. SAA - Same as Above

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
						0		
Dry	BDL	-	No	BH10	1	1	SP-SM	0-4.5': dry, brown poorly-graded sand (f.) with gravel and silt, no odor, no stain, no plasticity, no cohesivenesss
Dry	128	-	No			2		
Dry	356	-	No	BH10	3	3		
						4		
Dry	316	-	No	BH10	4.5			

Total Depth

ENSOLUM

APPENDIX D

Photographic Log

ENSOLUM

Photographic Log
WPX Energy Permian, LLC
Ross Draw Unit #034
Multiple Incident Numbers
Ensolum Job Number: 03A1987003

Photograph 1
Date: 5/18/2022
Description: Well pad, view south

Photograph 2
Date: 5/18/2022
Description: Wellhead and tank battery, view west

Photograph 3
Date: 5/18/2022
Description: Well pad, view northwest

Photograph 4
Date: 5/18/2022
Description: Pipeline right-of-way off pad, view west

ENSOLUM

APPENDIX E

Table

ENSOLUM

TABLE NUMBER
SOIL ANALYTICAL RESULTS
WPX Energy Permian, LLC - Ross Draw Unit #034
Eddy County, New Mexico

Ensolum Project No. 03A1987018

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 MRO (mg/kg)	Total GRO+DRO (mg/kg)	Total TPH (GRO+DRO+MRO) (mg/kg)	Chloride (mg/kg)
NMOCD Closure Criteria for Soils Impacted by a Release (Groundwater >100 feet)			**10**	**50**	NE	NE	NE	**1,000**	**2,500**	**20,000**
Delineation Soil Sample Analytical Results - nAPP2107554265 and NAB1736055339 (2RP-4529)										
PH01	05/18/2022	0.5	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	<50.0	1,120
PH01	05/18/2022	1	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	<49.9	1,590
PH01	05/18/2022	4	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	<49.9	1,900
PH02	05/18/2022	0.5	<0.00200	<0.00399	<49.8	<49.8	<49.8	<49.8	<49.8	1,290
PH02	05/18/2022	3	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	2,400
PH02	05/18/2022	4	<0.00200	<0.00400	<49.9	<49.9	<49.9	<49.9	<49.9	2,330
PH03	05/18/2022	0.5	<0.00201	<0.00402	61.8	<49.9	<49.9	<49.9	61.8	2,430
PH03	05/18/2022	1	<0.00202	<0.00403	<50.0	<50.0	<50.0	<50.0	<50.0	2,160
PH04	05/18/2022	1	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	1,340
PH04	05/18/2022	0.5	<0.000399	<0.000798	<50.0	<50.0	<50.0	<50.0	<50.0	1,140
PH05	05/18/2022	0.5	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	<49.9	533
PH05	05/18/2022	1	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	1,040
PH06	05/18/2022	0.5	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	<50.0	37.5
PH06	05/18/2022	1	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	<49.9	34.2
PH07	05/18/2022	0.5	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	24.6
PH07	05/18/2022	1	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	<49.9	42.8
PH08	05/18/2022	0.5	<0.00198	<0.00397	<49.9	<49.9	<49.9	<49.9	<49.9	101
PH08	05/18/2022	1	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	<49.9	108
PH09	05/18/2022	0.5	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	63.4
PH09	05/18/2022	1	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	<50.0	16.2
PH10	05/19/2022	0.5	<0.00200	<0.00401	<50.0	<50.0	<50.0	<50.0	<50.0	32.5
PH10	05/19/2022	1	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	<49.9	63
PH11	05/19/2022	0.5	<0.00202	<0.00403	<49.9	<49.9	<49.9	<49.9	<49.9	22.8
PH11	05/19/2022	1	<0.00200	<0.00399	<49.8	<49.8	<49.8	<49.8	<49.8	87.8

ENSOLUM

TABLE NUMBER
SOIL ANALYTICAL RESULTS
WPX Energy Permian, LLC - Ross Draw Unit #034
Eddy County, New Mexico

Ensolum Project No. 03A1987018

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 MRO (mg/kg)	Total GRO+DRO (mg/kg)	Total TPH (GRO+DRO+MRO) (mg/kg)	Chloride (mg/kg)
NMOCD Closure Criteria for Soils Impacted by a Release (Groundwater >100 feet)			**10**	**50**	NE	NE	NE	**1,000**	**2,500**	**20,000**
PH12	05/19/2022	0.5	<0.00199	<0.00398	<50.0	141	<50.0	141	141	886
PH12	05/19/2022	1	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	<49.9	567
PH13	05/19/2022	0.5	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	<49.9	244
PH13	05/19/2022	1	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	174
PH14	05/19/2022	0.5	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	<50.0	418
PH14	05/19/2022	1	<0.00198	<0.00397	<49.9	<49.9	<49.9	<49.9	<49.9	387
Delineation Soil Sample Analytical Results - NAB1528240224 (2RP-3322)										
BH01	05/19/2022	1	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	<50.0	**3,810**
BH01	05/19/2022	4.5	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	<49.9	2,430
BH02	05/19/2022	1	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	<49.9	76.2
BH02	05/19/2022	4.5	<0.00200	<0.00400	<49.8	<49.8	<49.8	<49.8	<49.8	162
BH03	05/19/2022	1	<0.00200	<0.00401	<50.0	<50.0	<50.0	<50.0	<50.0	201
BH03	05/19/2022	4.5	<0.00200	<0.00401	<49.9	<49.9	<49.9	<49.9	<49.9	932
BH04	05/19/2022	1	<0.00200	<0.00400	<49.9	<49.9	<49.9	<49.9	<49.9	19.9
BH04	05/19/2022	4.5	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	416
BH05	05/19/2022	4.5	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	46.2
BH05	05/19/2022	1	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	<50.0	14.2
BH06	05/19/2022	1	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	<50.0	22.9
BH06	05/19/2022	4.5	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	38
BH07	05/19/2022	1	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	<49.9	23
BH07	05/19/2022	4.5	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	<49.9	14.2
BH08	05/19/2022	1	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	22.5
BH08	05/19/2022	4.5	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	<50.0	488
BH09	05/19/2022	1	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	10.1
BH09	05/19/2022	3	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	<49.9	**654**
BH09	05/19/2022	4.5	<0.00200	<0.00401	<49.8	<49.8	<49.8	<49.8	<49.8	750

ENSOLUM

TABLE NUMBER
SOIL ANALYTICAL RESULTS
WPX Energy Permian, LLC - Ross Draw Unit #034
Eddy County, New Mexico

Ensolum Project No. 03A1987018

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 MRO (mg/kg)	Total GRO+DRO (mg/kg)	Total TPH (GRO+DRO+MRO) (mg/kg)	Chloride (mg/kg)
NMOCD Closure Criteria for Soils Impacted by a Release (Groundwater >100 feet)			**10**	**50**	NE	NE	NE	**1,000**	**2,500**	**20,000**
BH10	05/19/2022	1	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	<50.0	16.2
BH10	05/19/2022	3	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	<50.0	470
BH10	05/19/2022	4.5	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	<49.9	559

Notes:

bgs: below ground surface

J: The target analyte was positively identified below the quantitation limit and above the detection limit.

mg/kg: milligrams per kilogram

NA: Not Applicable

NE: Not Established

NS: Not Sampled

NMOCD: New Mexico Oil Conservation Division

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

MRO: Motor Oil/Lube Oil Range Organics

TPH: Total Petroleum Hydrocarbon

*Concentrations in **bold** and shaded exceed the New Mexico Oil Conservation Division Table 1 Closure Criteria for Soils Impacted by a Release*

*Concentrations in **bold** and shaded exceed the New Mexico Oil Conservation Division Reclamation Requirement*

ENSOLUM

APPENDIX F

Laboratory Analytical Reports & Chain-of-Custody Documentation

eurofins | Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 890-2327-1
Laboratory Sample Delivery Group: 03A1987018
Client Project/Site: Ross Draw Unit #034

For:
Ensolum
705 W. Wadley
Suite 210
Midland, Texas 79701

Attn: Anna Byers

JKramer

Authorized for release by:
5/31/2022 8:08:37 AM

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.

Client: Ensolum
Project/Site: Ross Draw Unit #034

Laboratory Job ID: 890-2327-1
SDG: 03A1987018

Table of Contents

Definitions/Glossary

Client: Ensolum
Project/Site: Ross Draw Unit #034

Job ID: 890-2327-1
SDG: 03A1987018

Qualifiers

GC VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery 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
*1	LCS/LCSD RPD exceeds control limits.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

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

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
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: Ross Draw Unit #034

Job ID: 890-2327-1
SDG: 03A1987018

Job ID: 890-2327-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative
890-2327-1

Receipt
The samples were received on 5/20/2022 12:36 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.4°C

GC VOA
Method 8021B: The matrix spike (MS) recoveries for preparation batch 880-26098 and analytical batch 880-26081 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8021B: Surrogate recovery for the following sample was outside control limits: (LCS 880-25990/1-A). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Surrogate recovery for the following sample was outside control limits: PH01 (890-2327-1). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Surrogate recovery for the following samples were outside control limits: PH02 (890-2327-4) and PH02 (890-2327-5). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Surrogate recovery for the following sample was outside control limits: PH03 (890-2327-8). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Surrogate recovery for the following sample was outside control limits: PH04 (890-2327-10). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

GC Semi VOA
Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (MB 880-26029/1-A). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: PH03 (890-2327-7) and PH03 (890-2327-8). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: PH08 (890-2327-17). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: PH10 (890-2327-21). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 880-26030 and analytical batch 880-26020 recovered outside control limits for the following analytes: Gasoline Range Organics (GRO)-C6-C10. The MS/MSD RPD passes therefore shows recovery for the batch.

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

HPLC/IC
Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-26084 and 880-26084 and analytical batch 880-26199 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

Case Narrative

Client: Ensolum
Project/Site: Ross Draw Unit #034

Job ID: 890-2327-1
SDG: 03A1987018

Job ID: 890-2327-1 (Continued)

Laboratory: Eurofins Carlsbad (Continued)

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-26085 and analytical batch 880-26234 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

Method 300_ORGFM_28D: The matrix spike (MS) recoveries for preparation batch 880-26091 and 880-26091 and analytical batch 880-26235 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.The associated samples are: PH12 (890-2327-25), PH12 (890-2327-26), PH13 (890-2327-27), PH13 (890-2327-28), PH14 (890-2327-29), PH14 (890-2327-30) and (890-2327-A-25-C MS).

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

Client Sample Results

Client: Ensolum
Project/Site: Ross Draw Unit #034

Job ID: 890-2327-1
SDG: 03A1987018

Client Sample ID: PH01

Lab Sample ID: 890-2327-1
Matrix: Solid
Date Collected: 05/18/22 10:50
Date Received: 05/20/22 12:36
Sample Depth: 0.5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		05/20/22 15:46	05/23/22 17:57	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/20/22 15:46	05/23/22 17:57	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/20/22 15:46	05/23/22 17:57	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		05/20/22 15:46	05/23/22 17:57	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/20/22 15:46	05/23/22 17:57	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/20/22 15:46	05/23/22 17:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*133*	*S1+*	*70 - 130*	*05/20/22 15:46*	*05/23/22 17:57*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*05/20/22 15:46*	*05/23/22 17:57*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			05/24/22 09:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			05/24/22 09:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/23/22 08:25	05/23/22 11:07	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/23/22 08:25	05/23/22 11:07	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/23/22 08:25	05/23/22 11:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*105*		*70 - 130*	*05/23/22 08:25*	*05/23/22 11:07*	*1*
o-Terphenyl	*119*		*70 - 130*	*05/23/22 08:25*	*05/23/22 11:07*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1120**		5.00		mg/Kg			05/25/22 09:04	1

Client Sample ID: PH01

Lab Sample ID: 890-2327-2
Matrix: Solid
Date Collected: 05/18/22 10:55
Date Received: 05/20/22 12:36
Sample Depth: 1

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/20/22 15:46	05/23/22 18:23	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/20/22 15:46	05/23/22 18:23	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/20/22 15:46	05/23/22 18:23	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		05/20/22 15:46	05/23/22 18:23	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/20/22 15:46	05/23/22 18:23	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/20/22 15:46	05/23/22 18:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*123*		*70 - 130*	*05/20/22 15:46*	*05/23/22 18:23*	*1*

Client Sample Results

Client: Ensolum
Project/Site: Ross Draw Unit #034

Job ID: 890-2327-1
SDG: 03A1987018

Client Sample ID: PH01
Date Collected: 05/18/22 10:55
Date Received: 05/20/22 12:36
Sample Depth: 1

Lab Sample ID: 890-2327-2
Matrix: Solid

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*87*		*70 - 130*	*05/20/22 15:46*	*05/23/22 18:23*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			05/24/22 09:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			05/24/22 09:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		05/23/22 08:25	05/23/22 12:12	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/23/22 08:25	05/23/22 12:12	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/23/22 08:25	05/23/22 12:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*105*		*70 - 130*	*05/23/22 08:25*	*05/23/22 12:12*	*1*
o-Terphenyl	*118*		*70 - 130*	*05/23/22 08:25*	*05/23/22 12:12*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1590**		25.0		mg/Kg			05/25/22 09:13	5

Client Sample ID: PH01
Date Collected: 05/18/22 11:10
Date Received: 05/20/22 12:36
Sample Depth: 4

Lab Sample ID: 890-2327-3
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		05/20/22 15:46	05/23/22 18:49	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/20/22 15:46	05/23/22 18:49	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/20/22 15:46	05/23/22 18:49	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/20/22 15:46	05/23/22 18:49	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/20/22 15:46	05/23/22 18:49	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/20/22 15:46	05/23/22 18:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*130*		*70 - 130*	*05/20/22 15:46*	*05/23/22 18:49*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*05/20/22 15:46*	*05/23/22 18:49*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			05/24/22 09:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			05/24/22 09:26	1

Client Sample Results

Client: Ensolum
Project/Site: Ross Draw Unit #034

Job ID: 890-2327-1
SDG: 03A1987018

Client Sample ID: PH01

Lab Sample ID: 890-2327-3
Matrix: Solid
Date Collected: 05/18/22 11:10
Date Received: 05/20/22 12:36
Sample Depth: 4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		05/23/22 08:25	05/23/22 12:34	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/23/22 08:25	05/23/22 12:34	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/23/22 08:25	05/23/22 12:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*108*		*70 - 130*	*05/23/22 08:25*	*05/23/22 12:34*	*1*
o-Terphenyl	*121*		*70 - 130*	*05/23/22 08:25*	*05/23/22 12:34*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1900**		25.1		mg/Kg			05/25/22 09:22	5

Client Sample ID: PH02

Lab Sample ID: 890-2327-4
Matrix: Solid
Date Collected: 05/18/22 11:15
Date Received: 05/20/22 12:36
Sample Depth: 0.5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/20/22 15:46	05/23/22 19:16	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/20/22 15:46	05/23/22 19:16	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/20/22 15:46	05/23/22 19:16	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		05/20/22 15:46	05/23/22 19:16	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/20/22 15:46	05/23/22 19:16	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/20/22 15:46	05/23/22 19:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*137*	*S1+*	*70 - 130*	*05/20/22 15:46*	*05/23/22 19:16*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*05/20/22 15:46*	*05/23/22 19:16*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			05/24/22 09:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			05/24/22 09:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		05/23/22 08:25	05/23/22 12:56	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/23/22 08:25	05/23/22 12:56	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/23/22 08:25	05/23/22 12:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*105*		*70 - 130*	*05/23/22 08:25*	*05/23/22 12:56*	*1*
o-Terphenyl	*116*		*70 - 130*	*05/23/22 08:25*	*05/23/22 12:56*	*1*

Client Sample Results

Client: Ensolum
Project/Site: Ross Draw Unit #034

Job ID: 890-2327-1
SDG: 03A1987018

Client Sample ID: PH02
Date Collected: 05/18/22 11:15
Date Received: 05/20/22 12:36
Sample Depth: 0.5

Lab Sample ID: 890-2327-4
Matrix: Solid

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1290**		25.1		mg/Kg			05/25/22 09:32	5

Client Sample ID: PH02
Date Collected: 05/18/22 11:30
Date Received: 05/20/22 12:36
Sample Depth: 3

Lab Sample ID: 890-2327-5
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		05/20/22 15:46	05/23/22 19:42	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/20/22 15:46	05/23/22 19:42	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/20/22 15:46	05/23/22 19:42	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/20/22 15:46	05/23/22 19:42	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/20/22 15:46	05/23/22 19:42	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/20/22 15:46	05/23/22 19:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*133*	*S1+*	*70 - 130*	*05/20/22 15:46*	*05/23/22 19:42*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*05/20/22 15:46*	*05/23/22 19:42*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			05/24/22 09:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			05/24/22 09:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/23/22 08:25	05/23/22 13:18	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/23/22 08:25	05/23/22 13:18	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/23/22 08:25	05/23/22 13:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*106*		*70 - 130*	*05/23/22 08:25*	*05/23/22 13:18*	*1*
o-Terphenyl	*120*		*70 - 130*	*05/23/22 08:25*	*05/23/22 13:18*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2400**	**F1**	25.3		mg/Kg			05/26/22 17:53	5

Client Sample Results

Client: Ensolum
Project/Site: Ross Draw Unit #034

Job ID: 890-2327-1
SDG: 03A1987018

Client Sample ID: PH02

Lab Sample ID: 890-2327-6
Matrix: Solid
Date Collected: 05/18/22 11:35
Date Received: 05/20/22 12:36
Sample Depth: 4

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/20/22 15:46	05/23/22 20:08	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/20/22 15:46	05/23/22 20:08	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/20/22 15:46	05/23/22 20:08	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/20/22 15:46	05/23/22 20:08	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/20/22 15:46	05/23/22 20:08	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/20/22 15:46	05/23/22 20:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*127*		*70 - 130*	*05/20/22 15:46*	*05/23/22 20:08*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*05/20/22 15:46*	*05/23/22 20:08*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			05/24/22 09:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			05/24/22 09:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		05/23/22 08:25	05/23/22 13:40	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/23/22 08:25	05/23/22 13:40	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/23/22 08:25	05/23/22 13:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*111*		*70 - 130*	*05/23/22 08:25*	*05/23/22 13:40*	*1*
o-Terphenyl	*130*		*70 - 130*	*05/23/22 08:25*	*05/23/22 13:40*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2330**		25.0		mg/Kg			05/26/22 18:21	5

Client Sample ID: PH03

Lab Sample ID: 890-2327-7
Matrix: Solid
Date Collected: 05/18/22 12:05
Date Received: 05/20/22 12:36
Sample Depth: 0.5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		05/20/22 15:46	05/23/22 20:35	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/20/22 15:46	05/23/22 20:35	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/20/22 15:46	05/23/22 20:35	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		05/20/22 15:46	05/23/22 20:35	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/20/22 15:46	05/23/22 20:35	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/20/22 15:46	05/23/22 20:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*125*		*70 - 130*	*05/20/22 15:46*	*05/23/22 20:35*	*1*

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Client Sample Results

Client: Ensolum
Project/Site: Ross Draw Unit #034

Job ID: 890-2327-1
SDG: 03A1987018

Client Sample ID: PH03
Date Collected: 05/18/22 12:05
Date Received: 05/20/22 12:36
Sample Depth: 0.5

Lab Sample ID: 890-2327-7
Matrix: Solid

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*87*		*70 - 130*	*05/20/22 15:46*	*05/23/22 20:35*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			05/24/22 09:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**61.8**		49.9		mg/Kg			05/24/22 09:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**61.8**		49.9		mg/Kg		05/23/22 08:25	05/23/22 14:02	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/23/22 08:25	05/23/22 14:02	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/23/22 08:25	05/23/22 14:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*122*		*70 - 130*	*05/23/22 08:25*	*05/23/22 14:02*	*1*
o-Terphenyl	*131*	*S1+*	*70 - 130*	*05/23/22 08:25*	*05/23/22 14:02*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2430**		25.0		mg/Kg			05/26/22 18:30	5

Client Sample ID: PH03
Date Collected: 05/18/22 12:15
Date Received: 05/20/22 12:36
Sample Depth: 1

Lab Sample ID: 890-2327-8
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		05/20/22 15:46	05/23/22 21:01	1
Toluene	<0.00202	U	0.00202		mg/Kg		05/20/22 15:46	05/23/22 21:01	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		05/20/22 15:46	05/23/22 21:01	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		05/20/22 15:46	05/23/22 21:01	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		05/20/22 15:46	05/23/22 21:01	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		05/20/22 15:46	05/23/22 21:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*140*	*S1+*	*70 - 130*	*05/20/22 15:46*	*05/23/22 21:01*	*1*
1,4-Difluorobenzene (Surr)	*88*		*70 - 130*	*05/20/22 15:46*	*05/23/22 21:01*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			05/24/22 09:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			05/24/22 09:26	1

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Client Sample Results

Client: Ensolum
Project/Site: Ross Draw Unit #034

Job ID: 890-2327-1
SDG: 03A1987018

Client Sample ID: PH03

Lab Sample ID: 890-2327-8
Matrix: Solid
Date Collected: 05/18/22 12:15
Date Received: 05/20/22 12:36
Sample Depth: 1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/23/22 08:25	05/23/22 14:24	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/23/22 08:25	05/23/22 14:24	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/23/22 08:25	05/23/22 14:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*126*		*70 - 130*	*05/23/22 08:25*	*05/23/22 14:24*	*1*
o-Terphenyl	*138*	*S1+*	*70 - 130*	*05/23/22 08:25*	*05/23/22 14:24*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2160**		24.8		mg/Kg			05/26/22 18:39	5

Client Sample ID: PH04

Lab Sample ID: 890-2327-9
Matrix: Solid
Date Collected: 05/18/22 13:00
Date Received: 05/20/22 12:36
Sample Depth: 0.5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000399	U	0.000399		mg/Kg		05/20/22 15:46	05/23/22 21:27	1
Toluene	<0.000399	U	0.000399		mg/Kg		05/20/22 15:46	05/23/22 21:27	1
Ethylbenzene	<0.000399	U	0.000399		mg/Kg		05/20/22 15:46	05/23/22 21:27	1
m-Xylene & p-Xylene	<0.000798	U	0.000798		mg/Kg		05/20/22 15:46	05/23/22 21:27	1
o-Xylene	<0.000399	U	0.000399		mg/Kg		05/20/22 15:46	05/23/22 21:27	1
Xylenes, Total	<0.000798	U	0.000798		mg/Kg		05/20/22 15:46	05/23/22 21:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*125*		*70 - 130*	*05/20/22 15:46*	*05/23/22 21:27*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*05/20/22 15:46*	*05/23/22 21:27*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.000798	U	0.000798		mg/Kg			05/24/22 09:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			05/24/22 09:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/23/22 08:25	05/23/22 14:46	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/23/22 08:25	05/23/22 14:46	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/23/22 08:25	05/23/22 14:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*110*		*70 - 130*	*05/23/22 08:25*	*05/23/22 14:46*	*1*
o-Terphenyl	*122*		*70 - 130*	*05/23/22 08:25*	*05/23/22 14:46*	*1*

Client Sample Results

Client: Ensolum
Project/Site: Ross Draw Unit #034

Job ID: 890-2327-1
SDG: 03A1987018

Client Sample ID: PH04
Date Collected: 05/18/22 13:00
Date Received: 05/20/22 12:36
Sample Depth: 0.5

Lab Sample ID: 890-2327-9
Matrix: Solid

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1140		25.2		mg/Kg			05/26/22 18:48	5

Client Sample ID: PH04
Date Collected: 05/18/22 13:05
Date Received: 05/20/22 12:36
Sample Depth: 1

Lab Sample ID: 890-2327-10
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		05/20/22 15:46	05/23/22 21:52	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/20/22 15:46	05/23/22 21:52	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/20/22 15:46	05/23/22 21:52	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/20/22 15:46	05/23/22 21:52	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/20/22 15:46	05/23/22 21:52	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/20/22 15:46	05/23/22 21:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*136*	*S1+*	*70 - 130*	*05/20/22 15:46*	*05/23/22 21:52*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*05/20/22 15:46*	*05/23/22 21:52*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			05/24/22 09:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			05/24/22 09:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/23/22 08:25	05/23/22 15:08	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/23/22 08:25	05/23/22 15:08	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/23/22 08:25	05/23/22 15:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*106*		*70 - 130*	*05/23/22 08:25*	*05/23/22 15:08*	*1*
o-Terphenyl	*121*		*70 - 130*	*05/23/22 08:25*	*05/23/22 15:08*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1340		24.9		mg/Kg			05/26/22 19:16	5

Client Sample Results

Client: Ensolum
Project/Site: Ross Draw Unit #034

Job ID: 890-2327-1
SDG: 03A1987018

Client Sample ID: PH05

Lab Sample ID: 890-2327-11
Matrix: Solid
Date Collected: 05/18/22 13:15
Date Received: 05/20/22 12:36
Sample Depth: 0.5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		05/23/22 12:18	05/24/22 06:17	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/23/22 12:18	05/24/22 06:17	1
Ethylbenzene	<0.00199	U F1	0.00199		mg/Kg		05/23/22 12:18	05/24/22 06:17	1
m-Xylene & p-Xylene	<0.00398	U F1	0.00398		mg/Kg		05/23/22 12:18	05/24/22 06:17	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/23/22 12:18	05/24/22 06:17	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/23/22 12:18	05/24/22 06:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*	*05/23/22 12:18*	*05/24/22 06:17*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*05/23/22 12:18*	*05/24/22 06:17*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			05/24/22 09:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			05/24/22 09:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		05/23/22 08:25	05/23/22 16:59	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/23/22 08:25	05/23/22 16:59	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/23/22 08:25	05/23/22 16:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*105*		*70 - 130*	*05/23/22 08:25*	*05/23/22 16:59*	*1*
o-Terphenyl	*121*		*70 - 130*	*05/23/22 08:25*	*05/23/22 16:59*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**533**		24.8		mg/Kg			05/26/22 19:25	5

Client Sample ID: PH05

Lab Sample ID: 890-2327-12
Matrix: Solid
Date Collected: 05/18/22 13:20
Date Received: 05/20/22 12:36
Sample Depth: 1

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		05/23/22 12:18	05/24/22 06:38	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/23/22 12:18	05/24/22 06:38	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/23/22 12:18	05/24/22 06:38	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/23/22 12:18	05/24/22 06:38	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/23/22 12:18	05/24/22 06:38	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/23/22 12:18	05/24/22 06:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*120*		*70 - 130*	*05/23/22 12:18*	*05/24/22 06:38*	*1*

Client Sample Results

Client: Ensolum
Project/Site: Ross Draw Unit #034

Job ID: 890-2327-1
SDG: 03A1987018

Client Sample ID: PH05

Lab Sample ID: 890-2327-12
Matrix: Solid
Date Collected: 05/18/22 13:20
Date Received: 05/20/22 12:36
Sample Depth: 1

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*05/23/22 12:18*	*05/24/22 06:38*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			05/24/22 09:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			05/24/22 09:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/23/22 08:25	05/23/22 17:21	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/23/22 08:25	05/23/22 17:21	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/23/22 08:25	05/23/22 17:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*111*		*70 - 130*	*05/23/22 08:25*	*05/23/22 17:21*	*1*
o-Terphenyl	*130*		*70 - 130*	*05/23/22 08:25*	*05/23/22 17:21*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1040**		25.0		mg/Kg			05/26/22 19:34	5

Client Sample ID: PH06

Lab Sample ID: 890-2327-13
Matrix: Solid
Date Collected: 05/18/22 13:25
Date Received: 05/20/22 12:36
Sample Depth: 0.5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/23/22 12:18	05/24/22 06:58	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/23/22 12:18	05/24/22 06:58	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/23/22 12:18	05/24/22 06:58	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		05/23/22 12:18	05/24/22 06:58	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/23/22 12:18	05/24/22 06:58	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/23/22 12:18	05/24/22 06:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*121*		*70 - 130*	*05/23/22 12:18*	*05/24/22 06:58*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*05/23/22 12:18*	*05/24/22 06:58*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			05/24/22 09:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			05/24/22 09:26	1

Client Sample Results

Client: Ensolum
Project/Site: Ross Draw Unit #034

Job ID: 890-2327-1
SDG: 03A1987018

Client Sample ID: PH06
Date Collected: 05/18/22 13:25
Date Received: 05/20/22 12:36
Sample Depth: 0.5

Lab Sample ID: 890-2327-13
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/23/22 08:25	05/23/22 17:42	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/23/22 08:25	05/23/22 17:42	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/23/22 08:25	05/23/22 17:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*110*		*70 - 130*	*05/23/22 08:25*	*05/23/22 17:42*	*1*
o-Terphenyl	*123*		*70 - 130*	*05/23/22 08:25*	*05/23/22 17:42*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**37.5**		5.01		mg/Kg			05/26/22 19:44	1

Client Sample ID: PH06
Date Collected: 05/18/22 13:30
Date Received: 05/20/22 12:36
Sample Depth: 1

Lab Sample ID: 890-2327-14
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/23/22 12:18	05/24/22 07:19	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/23/22 12:18	05/24/22 07:19	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/23/22 12:18	05/24/22 07:19	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		05/23/22 12:18	05/24/22 07:19	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/23/22 12:18	05/24/22 07:19	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/23/22 12:18	05/24/22 07:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*121*		*70 - 130*	*05/23/22 12:18*	*05/24/22 07:19*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*05/23/22 12:18*	*05/24/22 07:19*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			05/24/22 09:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			05/24/22 09:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		05/23/22 08:25	05/23/22 18:03	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/23/22 08:25	05/23/22 18:03	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/23/22 08:25	05/23/22 18:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*110*		*70 - 130*	*05/23/22 08:25*	*05/23/22 18:03*	*1*
o-Terphenyl	*125*		*70 - 130*	*05/23/22 08:25*	*05/23/22 18:03*	*1*

Client Sample Results

Client: Ensolum
Project/Site: Ross Draw Unit #034

Job ID: 890-2327-1
SDG: 03A1987018

Client Sample ID: PH06

Lab Sample ID: 890-2327-14
Matrix: Solid
Date Collected: 05/18/22 13:30
Date Received: 05/20/22 12:36
Sample Depth: 1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	34.2		4.98		mg/Kg			05/27/22 10:41	1

Client Sample ID: PH07

Lab Sample ID: 890-2327-15
Matrix: Solid
Date Collected: 05/18/22 13:45
Date Received: 05/20/22 12:36
Sample Depth: 0.5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		05/23/22 12:18	05/24/22 07:40	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/23/22 12:18	05/24/22 07:40	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/23/22 12:18	05/24/22 07:40	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/23/22 12:18	05/24/22 07:40	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/23/22 12:18	05/24/22 07:40	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/23/22 12:18	05/24/22 07:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*115*		*70 - 130*	*05/23/22 12:18*	*05/24/22 07:40*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*05/23/22 12:18*	*05/24/22 07:40*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			05/24/22 09:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			05/24/22 09:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/23/22 08:25	05/23/22 18:25	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/23/22 08:25	05/23/22 18:25	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/23/22 08:25	05/23/22 18:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*107*		*70 - 130*	*05/23/22 08:25*	*05/23/22 18:25*	*1*
o-Terphenyl	*119*		*70 - 130*	*05/23/22 08:25*	*05/23/22 18:25*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	24.6		5.02		mg/Kg			05/26/22 20:02	1

Client Sample Results

Client: Ensolum
Project/Site: Ross Draw Unit #034

Job ID: 890-2327-1
SDG: 03A1987018

Client Sample ID: PH07

Lab Sample ID: 890-2327-16
Matrix: Solid
Date Collected: 05/18/22 13:50
Date Received: 05/20/22 12:36
Sample Depth: 1

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		05/23/22 12:18	05/24/22 08:00	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/23/22 12:18	05/24/22 08:00	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/23/22 12:18	05/24/22 08:00	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/23/22 12:18	05/24/22 08:00	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/23/22 12:18	05/24/22 08:00	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/23/22 12:18	05/24/22 08:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*116*		*70 - 130*	*05/23/22 12:18*	*05/24/22 08:00*	*1*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*05/23/22 12:18*	*05/24/22 08:00*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			05/24/22 09:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			05/24/22 09:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		05/23/22 08:25	05/23/22 18:47	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/23/22 08:25	05/23/22 18:47	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/23/22 08:25	05/23/22 18:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*110*		*70 - 130*	*05/23/22 08:25*	*05/23/22 18:47*	*1*
o-Terphenyl	*128*		*70 - 130*	*05/23/22 08:25*	*05/23/22 18:47*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**42.8**		4.99		mg/Kg			05/26/22 20:30	1

Client Sample ID: PH08

Lab Sample ID: 890-2327-17
Matrix: Solid
Date Collected: 05/18/22 14:00
Date Received: 05/20/22 12:36
Sample Depth: 0.5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		05/23/22 12:18	05/24/22 08:21	1
Toluene	<0.00198	U	0.00198		mg/Kg		05/23/22 12:18	05/24/22 08:21	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		05/23/22 12:18	05/24/22 08:21	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		05/23/22 12:18	05/24/22 08:21	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		05/23/22 12:18	05/24/22 08:21	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		05/23/22 12:18	05/24/22 08:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*	*05/23/22 12:18*	*05/24/22 08:21*	*1*

Client Sample Results

Client: Ensolum
Project/Site: Ross Draw Unit #034

Job ID: 890-2327-1
SDG: 03A1987018

Client Sample ID: PH08
Date Collected: 05/18/22 14:00
Date Received: 05/20/22 12:36
Sample Depth: 0.5

Lab Sample ID: 890-2327-17
Matrix: Solid

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*05/23/22 12:18*	*05/24/22 08:21*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			05/24/22 09:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			05/24/22 09:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		05/23/22 08:25	05/23/22 19:09	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/23/22 08:25	05/23/22 19:09	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/23/22 08:25	05/23/22 19:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*122*		*70 - 130*	*05/23/22 08:25*	*05/23/22 19:09*	*1*
o-Terphenyl	*141*	*S1+*	*70 - 130*	*05/23/22 08:25*	*05/23/22 19:09*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**101**		5.00		mg/Kg			05/26/22 20:39	1

Client Sample ID: PH08
Date Collected: 05/18/22 14:05
Date Received: 05/20/22 12:36
Sample Depth: 1

Lab Sample ID: 890-2327-18
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		05/23/22 12:18	05/24/22 08:41	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/23/22 12:18	05/24/22 08:41	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/23/22 12:18	05/24/22 08:41	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/23/22 12:18	05/24/22 08:41	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/23/22 12:18	05/24/22 08:41	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/23/22 12:18	05/24/22 08:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*	*05/23/22 12:18*	*05/24/22 08:41*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*05/23/22 12:18*	*05/24/22 08:41*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			05/24/22 09:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			05/24/22 09:26	1

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Client Sample Results

Client: Ensolum
Project/Site: Ross Draw Unit #034

Job ID: 890-2327-1
SDG: 03A1987018

Client Sample ID: PH08

Lab Sample ID: 890-2327-18
Matrix: Solid
Date Collected: 05/18/22 14:05
Date Received: 05/20/22 12:36
Sample Depth: 1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		05/23/22 08:25	05/23/22 19:31	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/23/22 08:25	05/23/22 19:31	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/23/22 08:25	05/23/22 19:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*106*		*70 - 130*	*05/23/22 08:25*	*05/23/22 19:31*	*1*
o-Terphenyl	*122*		*70 - 130*	*05/23/22 08:25*	*05/23/22 19:31*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**108**		4.98		mg/Kg			05/26/22 21:07	1

Client Sample ID: PH09

Lab Sample ID: 890-2327-19
Matrix: Solid
Date Collected: 05/18/22 14:10
Date Received: 05/20/22 12:36
Sample Depth: 0.5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		05/23/22 12:18	05/24/22 09:02	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/23/22 12:18	05/24/22 09:02	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/23/22 12:18	05/24/22 09:02	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/23/22 12:18	05/24/22 09:02	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/23/22 12:18	05/24/22 09:02	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/23/22 12:18	05/24/22 09:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*	*05/23/22 12:18*	*05/24/22 09:02*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*05/23/22 12:18*	*05/24/22 09:02*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			05/24/22 09:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			05/24/22 09:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/23/22 08:25	05/23/22 19:52	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/23/22 08:25	05/23/22 19:52	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/23/22 08:25	05/23/22 19:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*107*		*70 - 130*	*05/23/22 08:25*	*05/23/22 19:52*	*1*
o-Terphenyl	*125*		*70 - 130*	*05/23/22 08:25*	*05/23/22 19:52*	*1*

Client Sample Results

Client: Ensolum
Project/Site: Ross Draw Unit #034

Job ID: 890-2327-1
SDG: 03A1987018

Client Sample ID: PH09
Lab Sample ID: 890-2327-19
Date Collected: 05/18/22 14:10
Matrix: Solid
Date Received: 05/20/22 12:36
Sample Depth: 0.5

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	63.4		4.97		mg/Kg			05/26/22 21:16	1

Client Sample ID: PH09
Lab Sample ID: 890-2327-20
Date Collected: 05/18/22 14:15
Matrix: Solid
Date Received: 05/20/22 12:36
Sample Depth: 1

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/23/22 12:18	05/24/22 09:23	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/23/22 12:18	05/24/22 09:23	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/23/22 12:18	05/24/22 09:23	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		05/23/22 12:18	05/24/22 09:23	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/23/22 12:18	05/24/22 09:23	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/23/22 12:18	05/24/22 09:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*119*		*70 - 130*	*05/23/22 12:18*	*05/24/22 09:23*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*05/23/22 12:18*	*05/24/22 09:23*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			05/24/22 09:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			05/24/22 09:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/23/22 08:25	05/23/22 20:14	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/23/22 08:25	05/23/22 20:14	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/23/22 08:25	05/23/22 20:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*109*		*70 - 130*	*05/23/22 08:25*	*05/23/22 20:14*	*1*
o-Terphenyl	*130*		*70 - 130*	*05/23/22 08:25*	*05/23/22 20:14*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	16.2		5.00		mg/Kg			05/26/22 21:25	1

Client Sample Results

Client: Ensolum
Project/Site: Ross Draw Unit #034

Job ID: 890-2327-1
SDG: 03A1987018

Client Sample ID: PH10
Date Collected: 05/19/22 13:30
Date Received: 05/20/22 12:36
Sample Depth: 0.5

Lab Sample ID: 890-2327-21
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/23/22 12:18	05/24/22 10:47	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/23/22 12:18	05/24/22 10:47	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/23/22 12:18	05/24/22 10:47	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		05/23/22 12:18	05/24/22 10:47	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/23/22 12:18	05/24/22 10:47	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		05/23/22 12:18	05/24/22 10:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*	*05/23/22 12:18*	*05/24/22 10:47*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*05/23/22 12:18*	*05/24/22 10:47*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			05/24/22 09:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			05/24/22 09:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *1	50.0		mg/Kg		05/23/22 08:26	05/23/22 11:08	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/23/22 08:26	05/23/22 11:08	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/23/22 08:26	05/23/22 11:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*133*	*S1+*	*70 - 130*	*05/23/22 08:26*	*05/23/22 11:08*	*1*
o-Terphenyl	*140*	*S1+*	*70 - 130*	*05/23/22 08:26*	*05/23/22 11:08*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**32.5**		5.00		mg/Kg			05/26/22 21:35	1

Client Sample ID: PH10
Date Collected: 05/19/22 03:35
Date Received: 05/20/22 12:36
Sample Depth: 1

Lab Sample ID: 890-2327-22
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		05/23/22 12:18	05/24/22 11:08	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/23/22 12:18	05/24/22 11:08	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/23/22 12:18	05/24/22 11:08	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		05/23/22 12:18	05/24/22 11:08	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/23/22 12:18	05/24/22 11:08	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/23/22 12:18	05/24/22 11:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*	*05/23/22 12:18*	*05/24/22 11:08*	*1*

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Client Sample Results

Client: Ensolum
Project/Site: Ross Draw Unit #034

Job ID: 890-2327-1
SDG: 03A1987018

Client Sample ID: PH10

Lab Sample ID: 890-2327-22
Matrix: Solid
Date Collected: 05/19/22 03:35
Date Received: 05/20/22 12:36
Sample Depth: 1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*05/23/22 12:18*	*05/24/22 11:08*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			05/24/22 09:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			05/24/22 09:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *1	49.9		mg/Kg		05/23/22 08:26	05/23/22 12:13	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/23/22 08:26	05/23/22 12:13	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/23/22 08:26	05/23/22 12:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	*110*		*70 - 130*	*05/23/22 08:26*	*05/23/22 12:13*	*1*
o-Terphenyl	*114*		*70 - 130*	*05/23/22 08:26*	*05/23/22 12:13*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**63.0**		5.04		mg/Kg			05/26/22 21:44	1

Client Sample ID: PH11

Lab Sample ID: 890-2327-23
Matrix: Solid
Date Collected: 05/19/22 13:45
Date Received: 05/20/22 12:36
Sample Depth: 0.5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		05/23/22 12:18	05/24/22 11:28	1
Toluene	**0.00264**		0.00202		mg/Kg		05/23/22 12:18	05/24/22 11:28	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		05/23/22 12:18	05/24/22 11:28	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		05/23/22 12:18	05/24/22 11:28	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		05/23/22 12:18	05/24/22 11:28	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		05/23/22 12:18	05/24/22 11:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*126*		*70 - 130*	*05/23/22 12:18*	*05/24/22 11:28*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*05/23/22 12:18*	*05/24/22 11:28*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			05/24/22 09:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			05/24/22 09:26	1

Client Sample Results

Client: Ensolum
Project/Site: Ross Draw Unit #034

Job ID: 890-2327-1
SDG: 03A1987018

Client Sample ID: PH11
Date Collected: 05/19/22 13:45
Date Received: 05/20/22 12:36
Sample Depth: 0.5

Lab Sample ID: 890-2327-23
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *1	49.9		mg/Kg		05/23/22 08:26	05/23/22 12:35	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/23/22 08:26	05/23/22 12:35	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/23/22 08:26	05/23/22 12:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*109*		*70 - 130*	*05/23/22 08:26*	*05/23/22 12:35*	*1*
o-Terphenyl	*118*		*70 - 130*	*05/23/22 08:26*	*05/23/22 12:35*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**22.8**		5.01		mg/Kg			05/27/22 07:46	1

Client Sample ID: PH11
Date Collected: 05/19/22 13:50
Date Received: 05/20/22 12:36
Sample Depth: 1

Lab Sample ID: 890-2327-24
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/23/22 12:18	05/24/22 11:49	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/23/22 12:18	05/24/22 11:49	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/23/22 12:18	05/24/22 11:49	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		05/23/22 12:18	05/24/22 11:49	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/23/22 12:18	05/24/22 11:49	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/23/22 12:18	05/24/22 11:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*	*05/23/22 12:18*	*05/24/22 11:49*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*05/23/22 12:18*	*05/24/22 11:49*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			05/24/22 09:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			05/24/22 09:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U *1	49.8		mg/Kg		05/23/22 08:26	05/23/22 12:56	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/23/22 08:26	05/23/22 12:56	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/23/22 08:26	05/23/22 12:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*110*		*70 - 130*	*05/23/22 08:26*	*05/23/22 12:56*	*1*
o-Terphenyl	*117*		*70 - 130*	*05/23/22 08:26*	*05/23/22 12:56*	*1*

Client Sample Results

Client: Ensolum
Project/Site: Ross Draw Unit #034

Job ID: 890-2327-1
SDG: 03A1987018

Client Sample ID: PH11

Lab Sample ID: 890-2327-24
Matrix: Solid
Date Collected: 05/19/22 13:50
Date Received: 05/20/22 12:36
Sample Depth: 1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**87.8**		4.99		mg/Kg			05/27/22 07:55	1

Client Sample ID: PH12

Lab Sample ID: 890-2327-25
Matrix: Solid
Date Collected: 05/19/22 14:05
Date Received: 05/20/22 12:36
Sample Depth: 0.5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		05/23/22 12:18	05/24/22 12:10	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/23/22 12:18	05/24/22 12:10	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/23/22 12:18	05/24/22 12:10	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/23/22 12:18	05/24/22 12:10	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/23/22 12:18	05/24/22 12:10	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/23/22 12:18	05/24/22 12:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*	*05/23/22 12:18*	*05/24/22 12:10*	*1*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*	*05/23/22 12:18*	*05/24/22 12:10*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			05/24/22 09:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**141**		50.0		mg/Kg			05/24/22 09:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *1	50.0		mg/Kg		05/23/22 08:26	05/23/22 13:18	1
Diesel Range Organics (Over C10-C28)	**141**		50.0		mg/Kg		05/23/22 08:26	05/23/22 13:18	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/23/22 08:26	05/23/22 13:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*107*		*70 - 130*	*05/23/22 08:26*	*05/23/22 13:18*	*1*
o-Terphenyl	*112*		*70 - 130*	*05/23/22 08:26*	*05/23/22 13:18*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**886**	**F1**	4.96		mg/Kg			05/27/22 09:09	1

Client Sample Results

Client: Ensolum
Project/Site: Ross Draw Unit #034

Job ID: 890-2327-1
SDG: 03A1987018

Client Sample ID: PH12

Lab Sample ID: 890-2327-26
Matrix: Solid
Date Collected: 05/19/22 14:10
Date Received: 05/20/22 12:36
Sample Depth: 1

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		05/23/22 12:18	05/24/22 12:30	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/23/22 12:18	05/24/22 12:30	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/23/22 12:18	05/24/22 12:30	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/23/22 12:18	05/24/22 12:30	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/23/22 12:18	05/24/22 12:30	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/23/22 12:18	05/24/22 12:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*	*05/23/22 12:18*	*05/24/22 12:30*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*05/23/22 12:18*	*05/24/22 12:30*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			05/24/22 09:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			05/24/22 09:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *1	49.9		mg/Kg		05/23/22 08:26	05/23/22 13:40	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/23/22 08:26	05/23/22 13:40	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/23/22 08:26	05/23/22 13:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*108*		*70 - 130*	*05/23/22 08:26*	*05/23/22 13:40*	*1*
o-Terphenyl	*113*		*70 - 130*	*05/23/22 08:26*	*05/23/22 13:40*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**567**		5.00		mg/Kg			05/27/22 11:27	1

Client Sample ID: PH13

Lab Sample ID: 890-2327-27
Matrix: Solid
Date Collected: 05/19/22 14:25
Date Received: 05/20/22 12:36
Sample Depth: 0.5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/23/22 12:18	05/24/22 12:51	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/23/22 12:18	05/24/22 12:51	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/23/22 12:18	05/24/22 12:51	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		05/23/22 12:18	05/24/22 12:51	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/23/22 12:18	05/24/22 12:51	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/23/22 12:18	05/24/22 12:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*	*05/23/22 12:18*	*05/24/22 12:51*	*1*

Client Sample Results

Client: Ensolum
Project/Site: Ross Draw Unit #034

Job ID: 890-2327-1
SDG: 03A1987018

Client Sample ID: PH13
Date Collected: 05/19/22 14:25
Date Received: 05/20/22 12:36
Sample Depth: 0.5

Lab Sample ID: 890-2327-27
Matrix: Solid

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*05/23/22 12:18*	*05/24/22 12:51*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			05/24/22 09:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			05/24/22 09:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *1	49.9		mg/Kg		05/23/22 08:26	05/23/22 14:02	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/23/22 08:26	05/23/22 14:02	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/23/22 08:26	05/23/22 14:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*105*		*70 - 130*	*05/23/22 08:26*	*05/23/22 14:02*	*1*
o-Terphenyl	*110*		*70 - 130*	*05/23/22 08:26*	*05/23/22 14:02*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**244**		4.99		mg/Kg			05/27/22 11:36	1

Client Sample ID: PH13
Date Collected: 05/19/22 14:30
Date Received: 05/20/22 12:36
Sample Depth: 1

Lab Sample ID: 890-2327-28
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		05/23/22 12:18	05/24/22 13:12	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/23/22 12:18	05/24/22 13:12	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/23/22 12:18	05/24/22 13:12	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/23/22 12:18	05/24/22 13:12	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/23/22 12:18	05/24/22 13:12	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/23/22 12:18	05/24/22 13:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*	*05/23/22 12:18*	*05/24/22 13:12*	*1*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*	*05/23/22 12:18*	*05/24/22 13:12*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			05/24/22 09:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			05/24/22 09:26	1

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Client Sample Results

Client: Ensolum
Project/Site: Ross Draw Unit #034

Job ID: 890-2327-1
SDG: 03A1987018

Client Sample ID: PH13

Lab Sample ID: 890-2327-28
Matrix: Solid
Date Collected: 05/19/22 14:30
Date Received: 05/20/22 12:36
Sample Depth: 1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *1	50.0		mg/Kg		05/23/22 08:26	05/23/22 14:24	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/23/22 08:26	05/23/22 14:24	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/23/22 08:26	05/23/22 14:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*115*		*70 - 130*	*05/23/22 08:26*	*05/23/22 14:24*	*1*
o-Terphenyl	*121*		*70 - 130*	*05/23/22 08:26*	*05/23/22 14:24*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**174**		5.05		mg/Kg			05/27/22 11:45	1

Client Sample ID: PH14

Lab Sample ID: 890-2327-29
Matrix: Solid
Date Collected: 05/19/22 14:25
Date Received: 05/20/22 12:36
Sample Depth: 0.5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/23/22 12:18	05/24/22 13:33	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/23/22 12:18	05/24/22 13:33	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/23/22 12:18	05/24/22 13:33	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		05/23/22 12:18	05/24/22 13:33	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/23/22 12:18	05/24/22 13:33	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/23/22 12:18	05/24/22 13:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*	*05/23/22 12:18*	*05/24/22 13:33*	*1*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*	*05/23/22 12:18*	*05/24/22 13:33*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			05/24/22 09:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			05/24/22 09:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *1	50.0		mg/Kg		05/23/22 08:26	05/23/22 14:46	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/23/22 08:26	05/23/22 14:46	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/23/22 08:26	05/23/22 14:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*110*		*70 - 130*	*05/23/22 08:26*	*05/23/22 14:46*	*1*
o-Terphenyl	*118*		*70 - 130*	*05/23/22 08:26*	*05/23/22 14:46*	*1*

Client Sample Results

Client: Ensolum
Project/Site: Ross Draw Unit #034

Job ID: 890-2327-1
SDG: 03A1987018

Client Sample ID: PH14
Date Collected: 05/19/22 14:25
Date Received: 05/20/22 12:36
Sample Depth: 0.5

Lab Sample ID: 890-2327-29
Matrix: Solid

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	418		4.97		mg/Kg			05/27/22 11:54	1

Client Sample ID: PH14
Date Collected: 05/19/22 14:40
Date Received: 05/20/22 12:36
Sample Depth: 1

Lab Sample ID: 890-2327-30
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		05/23/22 12:18	05/24/22 13:53	1
Toluene	<0.00198	U	0.00198		mg/Kg		05/23/22 12:18	05/24/22 13:53	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		05/23/22 12:18	05/24/22 13:53	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		05/23/22 12:18	05/24/22 13:53	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		05/23/22 12:18	05/24/22 13:53	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		05/23/22 12:18	05/24/22 13:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*	*05/23/22 12:18*	*05/24/22 13:53*	*1*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*	*05/23/22 12:18*	*05/24/22 13:53*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			05/24/22 09:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			05/24/22 09:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *1	49.9		mg/Kg		05/23/22 08:26	05/23/22 15:07	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/23/22 08:26	05/23/22 15:07	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/23/22 08:26	05/23/22 15:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*106*		*70 - 130*	*05/23/22 08:26*	*05/23/22 15:07*	*1*
o-Terphenyl	*111*		*70 - 130*	*05/23/22 08:26*	*05/23/22 15:07*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	387		4.98		mg/Kg			05/27/22 12:46	1

Surrogate Summary

Client: Ensolum
Project/Site: Ross Draw Unit #034

Job ID: 890-2327-1
SDG: 03A1987018

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
		BFB1	DFBZ1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
890-2327-1	PH01	133 S1+	91
890-2327-1 MS	PH01	125	88
890-2327-1 MSD	PH01	120	92
890-2327-2	PH01	123	87
890-2327-3	PH01	130	94
890-2327-4	PH02	137 S1+	100
890-2327-5	PH02	133 S1+	98
890-2327-6	PH02	127	95
890-2327-7	PH03	125	87
890-2327-8	PH03	140 S1+	88
890-2327-9	PH04	125	96
890-2327-10	PH04	136 S1+	91
890-2327-11	PH05	95	94
890-2327-11 MS	PH05	104	101
890-2327-11 MSD	PH05	98	100
890-2327-12	PH05	120	92
890-2327-13	PH06	121	94
890-2327-14	PH06	121	93
890-2327-15	PH07	115	99
890-2327-16	PH07	116	90
890-2327-17	PH08	104	100
890-2327-18	PH08	113	98
890-2327-19	PH09	107	97
890-2327-20	PH09	119	95
890-2327-21	PH10	99	102
890-2327-22	PH10	103	99
890-2327-23	PH11	126	95
890-2327-24	PH11	105	100
890-2327-25	PH12	109	105
890-2327-26	PH12	108	100
890-2327-27	PH13	102	102
890-2327-28	PH13	102	106
890-2327-29	PH14	105	107
890-2327-30	PH14	98	107
LCS 880-25990/1-A	Lab Control Sample	133 S1+	98
LCS 880-26098/1-A	Lab Control Sample	107	99
LCSD 880-25990/2-A	Lab Control Sample Dup	123	89
LCSD 880-26098/2-A	Lab Control Sample Dup	97	100
MB 880-25990/5-A	Method Blank	91	89
MB 880-25991/5-A	Method Blank	104	99
MB 880-26098/5-A	Method Blank	104	95

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

Surrogate Summary

Client: Ensolum
Project/Site: Ross Draw Unit #034

Job ID: 890-2327-1
SDG: 03A1987018

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

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)									
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)								
890-2327-1	PH01	105	119								
890-2327-1 MS	PH01	102	100								
890-2327-1 MSD	PH01	106	105								
890-2327-2	PH01	105	118								
890-2327-3	PH01	108	121								
890-2327-4	PH02	105	116								
890-2327-5	PH02	106	120								
890-2327-6	PH02	111	130								
890-2327-7	PH03	122	131 S1+								
890-2327-8	PH03	126	138 S1+								
890-2327-9	PH04	110	122								
890-2327-10	PH04	106	121								
890-2327-11	PH05	105	121								
890-2327-12	PH05	111	130								
890-2327-13	PH06	110	123								
890-2327-14	PH06	110	125								
890-2327-15	PH07	107	119								
890-2327-16	PH07	110	128								
890-2327-17	PH08	122	141 S1+								
890-2327-18	PH08	106	122								
890-2327-19	PH09	107	125								
890-2327-20	PH09	109	130								
890-2327-21	PH10	133 S1+	140 S1+								
890-2327-21 MS	PH10	115	114								
890-2327-21 MSD	PH10	103	101								
890-2327-22	PH10	110	114								
890-2327-23	PH11	109	118								
890-2327-24	PH11	110	117								
890-2327-25	PH12	107	112								
890-2327-26	PH12	108	113								
890-2327-27	PH13	105	110								
890-2327-28	PH13	115	121								
890-2327-29	PH14	110	118								
890-2327-30	PH14	106	111								
LCS 880-26029/2-A	Lab Control Sample	118	125								
LCS 880-26030/2-A	Lab Control Sample	130	130								
LCSD 880-26029/3-A	Lab Control Sample Dup	117	118								
LCSD 880-26030/3-A	Lab Control Sample Dup	110	110								
MB 880-26029/1-A	Method Blank	128	156 S1+								
MB 880-26030/1-A	Method Blank	107	114								

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: Ensolum
Project/Site: Ross Draw Unit #034

Job ID: 890-2327-1
SDG: 03A1987018

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-25990/5-A
Matrix: Solid
Analysis Batch: 26082

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 25990

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/20/22 15:46	05/23/22 17:31	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/20/22 15:46	05/23/22 17:31	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/20/22 15:46	05/23/22 17:31	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/20/22 15:46	05/23/22 17:31	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/20/22 15:46	05/23/22 17:31	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/20/22 15:46	05/23/22 17:31	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*70 - 130*	*05/20/22 15:46*	*05/23/22 17:31*	*1*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*	*05/20/22 15:46*	*05/23/22 17:31*	*1*

Lab Sample ID: LCS 880-25990/1-A
Matrix: Solid
Analysis Batch: 26082

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 25990

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1157		mg/Kg		116	70 - 130
Toluene	0.100	0.1180		mg/Kg		118	70 - 130
Ethylbenzene	0.100	0.1195		mg/Kg		119	70 - 130
m-Xylene & p-Xylene	0.200	0.2405		mg/Kg		120	70 - 130
o-Xylene	0.100	0.1179		mg/Kg		118	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*133*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*

Lab Sample ID: LCSD 880-25990/2-A
Matrix: Solid
Analysis Batch: 26082

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 25990

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1046		mg/Kg		105	70 - 130	10	35
Toluene	0.100	0.1093		mg/Kg		109	70 - 130	8	35
Ethylbenzene	0.100	0.1089		mg/Kg		109	70 - 130	9	35
m-Xylene & p-Xylene	0.200	0.2205		mg/Kg		110	70 - 130	9	35
o-Xylene	0.100	0.1075		mg/Kg		108	70 - 130	9	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*123*		*70 - 130*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*

Lab Sample ID: 890-2327-1 MS
Matrix: Solid
Analysis Batch: 26082

Client Sample ID: PH01
Prep Type: Total/NA
Prep Batch: 25990

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00201	U	0.100	0.09613		mg/Kg		96	70 - 130
Toluene	<0.00201	U	0.100	0.09530		mg/Kg		95	70 - 130

QC Sample Results

Client: Ensolum
Project/Site: Ross Draw Unit #034

Job ID: 890-2327-1
SDG: 03A1987018

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

Lab Sample ID: 890-2327-1 MS
Matrix: Solid
Analysis Batch: 26082

Client Sample ID: PH01
Prep Type: Total/NA
Prep Batch: 25990

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00201	U	0.100	0.08810		mg/Kg		88	70 - 130
m-Xylene & p-Xylene	<0.00402	U	0.200	0.1722		mg/Kg		86	70 - 130
o-Xylene	<0.00201	U	0.100	0.08471		mg/Kg		85	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*125*		*70 - 130*
1,4-Difluorobenzene (Surr)	*88*		*70 - 130*

Lab Sample ID: 890-2327-1 MSD
Matrix: Solid
Analysis Batch: 26082

Client Sample ID: PH01
Prep Type: Total/NA
Prep Batch: 25990

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00201	U	0.0998	0.09841		mg/Kg		99	70 - 130	2	35
Toluene	<0.00201	U	0.0998	0.09590		mg/Kg		96	70 - 130	1	35
Ethylbenzene	<0.00201	U	0.0998	0.09046		mg/Kg		91	70 - 130	3	35
m-Xylene & p-Xylene	<0.00402	U	0.200	0.1805		mg/Kg		90	70 - 130	5	35
o-Xylene	<0.00201	U	0.0998	0.08776		mg/Kg		88	70 - 130	4	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*120*		*70 - 130*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*

Lab Sample ID: MB 880-25991/5-A
Matrix: Solid
Analysis Batch: 26081

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 25991

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/20/22 15:50	05/23/22 19:15	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/20/22 15:50	05/23/22 19:15	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/20/22 15:50	05/23/22 19:15	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/20/22 15:50	05/23/22 19:15	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/20/22 15:50	05/23/22 19:15	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/20/22 15:50	05/23/22 19:15	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*	*05/20/22 15:50*	*05/23/22 19:15*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*05/20/22 15:50*	*05/23/22 19:15*	*1*

Lab Sample ID: MB 880-26098/5-A
Matrix: Solid
Analysis Batch: 26081

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 26098

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/23/22 12:18	05/24/22 05:55	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/23/22 12:18	05/24/22 05:55	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/23/22 12:18	05/24/22 05:55	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/23/22 12:18	05/24/22 05:55	1

QC Sample Results

Client: Ensolum
Project/Site: Ross Draw Unit #034

Job ID: 890-2327-1
SDG: 03A1987018

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

Lab Sample ID: MB 880-26098/5-A
Matrix: Solid
Analysis Batch: 26081

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 26098

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/23/22 12:18	05/24/22 05:55	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/23/22 12:18	05/24/22 05:55	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*	*05/23/22 12:18*	*05/24/22 05:55*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*05/23/22 12:18*	*05/24/22 05:55*	*1*

Lab Sample ID: LCS 880-26098/1-A
Matrix: Solid
Analysis Batch: 26081

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 26098

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.08546		mg/Kg		85	70 - 130
Toluene	0.100	0.08792		mg/Kg		88	70 - 130
Ethylbenzene	0.100	0.07919		mg/Kg		79	70 - 130
m-Xylene & p-Xylene	0.200	0.1609		mg/Kg		80	70 - 130
o-Xylene	0.100	0.09101		mg/Kg		91	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*

Lab Sample ID: LCSD 880-26098/2-A
Matrix: Solid
Analysis Batch: 26081

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 26098

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09427		mg/Kg		94	70 - 130	10	35
Toluene	0.100	0.09093		mg/Kg		91	70 - 130	3	35
Ethylbenzene	0.100	0.07933		mg/Kg		79	70 - 130	0	35
m-Xylene & p-Xylene	0.200	0.1577		mg/Kg		79	70 - 130	2	35
o-Xylene	0.100	0.08423		mg/Kg		84	70 - 130	8	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*

Lab Sample ID: 890-2327-11 MS
Matrix: Solid
Analysis Batch: 26081

Client Sample ID: PH05
Prep Type: Total/NA
Prep Batch: 26098

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00199	U	0.0998	0.07627		mg/Kg		76	70 - 130
Toluene	<0.00199	U	0.0998	0.07667		mg/Kg		77	70 - 130
Ethylbenzene	<0.00199	U F1	0.0998	0.06689	F1	mg/Kg		67	70 - 130
m-Xylene & p-Xylene	<0.00398	U F1	0.200	0.1385	F1	mg/Kg		69	70 - 130
o-Xylene	<0.00199	U	0.0998	0.07339		mg/Kg		74	70 - 130

QC Sample Results

Client: Ensolum
Project/Site: Ross Draw Unit #034

Job ID: 890-2327-1
SDG: 03A1987018

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

Lab Sample ID: 890-2327-11 MS
Matrix: Solid
Analysis Batch: 26081

Client Sample ID: PH05
Prep Type: Total/NA
Prep Batch: 26098

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*

Lab Sample ID: 890-2327-11 MSD
Matrix: Solid
Analysis Batch: 26081

Client Sample ID: PH05
Prep Type: Total/NA
Prep Batch: 26098

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00199	U	0.100	0.08470		mg/Kg		85	70 - 130	10	35
Toluene	<0.00199	U	0.100	0.08310		mg/Kg		83	70 - 130	8	35
Ethylbenzene	<0.00199	U F1	0.100	0.07231		mg/Kg		72	70 - 130	8	35
m-Xylene & p-Xylene	<0.00398	U F1	0.200	0.1476		mg/Kg		74	70 - 130	6	35
o-Xylene	<0.00199	U	0.100	0.07620		mg/Kg		76	70 - 130	4	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*

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

Lab Sample ID: MB 880-26029/1-A
Matrix: Solid
Analysis Batch: 26026

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 26029

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/23/22 08:25	05/23/22 09:53	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/23/22 08:25	05/23/22 09:53	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/23/22 08:25	05/23/22 09:53	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	*128*		*70 - 130*	*05/23/22 08:25*	*05/23/22 09:53*	*1*
o-Terphenyl	*156*	*S1+*	*70 - 130*	*05/23/22 08:25*	*05/23/22 09:53*	*1*

Lab Sample ID: LCS 880-26029/2-A
Matrix: Solid
Analysis Batch: 26026

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 26029

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	843.2		mg/Kg		84	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	960.2		mg/Kg		96	70 - 130		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	*118*		*70 - 130*
o-Terphenyl	*125*		*70 - 130*

QC Sample Results

Client: Ensolum
Project/Site: Ross Draw Unit #034

Job ID: 890-2327-1
SDG: 03A1987018

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

Lab Sample ID: LCSD 880-26029/3-A
Matrix: Solid
Analysis Batch: 26026

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 26029

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	867.1		mg/Kg		87	70 - 130	3	20
Diesel Range Organics (Over C10-C28)			1000	1016		mg/Kg		102	70 - 130	6	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*117*		*70 - 130*
o-Terphenyl	*118*		*70 - 130*

Lab Sample ID: 890-2327-1 MS
Matrix: Solid
Analysis Batch: 26026

Client Sample ID: PH01
Prep Type: Total/NA
Prep Batch: 26029

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	1000	947.4		mg/Kg		95	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U	1000	1058		mg/Kg		103	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*102*		*70 - 130*
o-Terphenyl	*100*		*70 - 130*

Lab Sample ID: 890-2327-1 MSD
Matrix: Solid
Analysis Batch: 26026

Client Sample ID: PH01
Prep Type: Total/NA
Prep Batch: 26029

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	999	873.9		mg/Kg		87	70 - 130	8	20
Diesel Range Organics (Over C10-C28)	<50.0	U	999	1128		mg/Kg		110	70 - 130	6	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*106*		*70 - 130*
o-Terphenyl	*105*		*70 - 130*

Lab Sample ID: MB 880-26030/1-A
Matrix: Solid
Analysis Batch: 26020

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 26030

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/23/22 08:26	05/23/22 10:03	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/23/22 08:26	05/23/22 10:03	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/23/22 08:26	05/23/22 10:03	1

QC Sample Results

Client: Ensolum
Project/Site: Ross Draw Unit #034

Job ID: 890-2327-1
SDG: 03A1987018

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

Lab Sample ID: MB 880-26030/1-A
Matrix: Solid
Analysis Batch: 26020

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 26030

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	107		70 - 130	05/23/22 08:26	05/23/22 10:03	1
o-Terphenyl	114		70 - 130	05/23/22 08:26	05/23/22 10:03	1

Lab Sample ID: LCS 880-26030/2-A
Matrix: Solid
Analysis Batch: 26020

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 26030

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	1073		mg/Kg		107	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1058		mg/Kg		106	70 - 130		

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

Lab Sample ID: LCSD 880-26030/3-A
Matrix: Solid
Analysis Batch: 26020

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 26030

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	844.8	*1	mg/Kg		84	70 - 130	24	20
Diesel Range Organics (Over C10-C28)			1000	877.5		mg/Kg		88	70 - 130	19	20

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

Lab Sample ID: 890-2327-21 MS
Matrix: Solid
Analysis Batch: 26020

Client Sample ID: PH10
Prep Type: Total/NA
Prep Batch: 26030

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *1	1000	1181		mg/Kg		115	70 - 130		
Diesel Range Organics (Over C10-C28)	<50.0	U	1000	1228		mg/Kg		123	70 - 130		

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	115		70 - 130
o-Terphenyl	114		70 - 130

QC Sample Results

Client: Ensolum
Project/Site: Ross Draw Unit #034

Job ID: 890-2327-1
SDG: 03A1987018

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

Lab Sample ID: 890-2327-21 MSD — **Client Sample ID: PH10**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 26020 — **Prep Batch: 26030**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *1	999	1023		mg/Kg		100	70 - 130	14	20
Diesel Range Organics (Over C10-C28)	<50.0	U	999	1081		mg/Kg		108	70 - 130	13	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*103*		*70 - 130*
o-Terphenyl	*101*		*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-26084/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 26199

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			05/25/22 04:55	1

Lab Sample ID: LCS 880-26084/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 26199

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	247.4		mg/Kg		99	90 - 110

Lab Sample ID: LCSD 880-26084/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 26199

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	255.6		mg/Kg		102	90 - 110	3	20

Lab Sample ID: 890-2323-A-1-C MS — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 26199

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	233		249	458.2		mg/Kg		91	90 - 110

Lab Sample ID: 890-2323-A-1-D MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 26199

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	233		249	477.2		mg/Kg		98	90 - 110	4	20

QC Sample Results

Client: Ensolum
Project/Site: Ross Draw Unit #034

Job ID: 890-2327-1
SDG: 03A1987018

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 890-2326-A-1-C MS
Matrix: Solid
Analysis Batch: 26199

Client Sample ID: Matrix Spike
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	8780	F1	5050	15820	F1	mg/Kg		139	90 - 110

Lab Sample ID: 890-2326-A-1-D MSD
Matrix: Solid
Analysis Batch: 26199

Client Sample ID: Matrix Spike Duplicate
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	8780	F1	5050	16220	F1	mg/Kg		147	90 - 110	2	20

Lab Sample ID: MB 880-26085/1-A
Matrix: Solid
Analysis Batch: 26234

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			05/26/22 17:26	1

Lab Sample ID: LCS 880-26085/2-A
Matrix: Solid
Analysis Batch: 26234

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	241.4		mg/Kg		97	90 - 110

Lab Sample ID: LCSD 880-26085/3-A
Matrix: Solid
Analysis Batch: 26234

Client Sample ID: Lab Control Sample Dup
Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	241.5		mg/Kg		97	90 - 110	0	20

Lab Sample ID: 890-2327-5 MS
Matrix: Solid
Analysis Batch: 26234

Client Sample ID: PH02
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	2400	F1	1260	3754		mg/Kg		107	90 - 110

Lab Sample ID: 890-2327-5 MSD
Matrix: Solid
Analysis Batch: 26234

Client Sample ID: PH02
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	2400	F1	1260	3868	F1	mg/Kg		116	90 - 110	3	20

Lab Sample ID: 890-2327-15 MS
Matrix: Solid
Analysis Batch: 26234

Client Sample ID: PH07
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	24.6		251	281.8		mg/Kg		102	90 - 110

QC Sample Results

Client: Ensolum
Project/Site: Ross Draw Unit #034

Job ID: 890-2327-1
SDG: 03A1987018

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 890-2327-15 MSD — **Client Sample ID: PH07**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 26234

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	24.6		251	285.3		mg/Kg		104	90 - 110	1	20

Lab Sample ID: MB 880-26091/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 26235

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			05/27/22 08:41	1

Lab Sample ID: LCS 880-26091/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 26235

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	249.9		mg/Kg		100	90 - 110

Lab Sample ID: LCSD 880-26091/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 26235

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	247.0		mg/Kg		99	90 - 110	1	20

Lab Sample ID: 890-2327-25 MS — **Client Sample ID: PH12**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 26235

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	886	F1	248	1107	F1	mg/Kg		89	90 - 110

Lab Sample ID: 890-2327-25 MSD — **Client Sample ID: PH12**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 26235

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	886	F1	248	1121		mg/Kg		95	90 - 110	1	20

QC Association Summary

Client: Ensolum
Project/Site: Ross Draw Unit #034

Job ID: 890-2327-1
SDG: 03A1987018

GC VOA

Prep Batch: 25990

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2327-1	PH01	Total/NA	Solid	5035	
890-2327-2	PH01	Total/NA	Solid	5035	
890-2327-3	PH01	Total/NA	Solid	5035	
890-2327-4	PH02	Total/NA	Solid	5035	
890-2327-5	PH02	Total/NA	Solid	5035	
890-2327-6	PH02	Total/NA	Solid	5035	
890-2327-7	PH03	Total/NA	Solid	5035	
890-2327-8	PH03	Total/NA	Solid	5035	
890-2327-9	PH04	Total/NA	Solid	5035	
890-2327-10	PH04	Total/NA	Solid	5035	
MB 880-25990/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-25990/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-25990/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-2327-1 MS	PH01	Total/NA	Solid	5035	
890-2327-1 MSD	PH01	Total/NA	Solid	5035	

Prep Batch: 25991

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-25991/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 26081

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2327-11	PH05	Total/NA	Solid	8021B	26098
890-2327-12	PH05	Total/NA	Solid	8021B	26098
890-2327-13	PH06	Total/NA	Solid	8021B	26098
890-2327-14	PH06	Total/NA	Solid	8021B	26098
890-2327-15	PH07	Total/NA	Solid	8021B	26098
890-2327-16	PH07	Total/NA	Solid	8021B	26098
890-2327-17	PH08	Total/NA	Solid	8021B	26098
890-2327-18	PH08	Total/NA	Solid	8021B	26098
890-2327-19	PH09	Total/NA	Solid	8021B	26098
890-2327-20	PH09	Total/NA	Solid	8021B	26098
890-2327-21	PH10	Total/NA	Solid	8021B	26098
890-2327-22	PH10	Total/NA	Solid	8021B	26098
890-2327-23	PH11	Total/NA	Solid	8021B	26098
890-2327-24	PH11	Total/NA	Solid	8021B	26098
890-2327-25	PH12	Total/NA	Solid	8021B	26098
890-2327-26	PH12	Total/NA	Solid	8021B	26098
890-2327-27	PH13	Total/NA	Solid	8021B	26098
890-2327-28	PH13	Total/NA	Solid	8021B	26098
890-2327-29	PH14	Total/NA	Solid	8021B	26098
890-2327-30	PH14	Total/NA	Solid	8021B	26098
MB 880-25991/5-A	Method Blank	Total/NA	Solid	8021B	25991
MB 880-26098/5-A	Method Blank	Total/NA	Solid	8021B	26098
LCS 880-26098/1-A	Lab Control Sample	Total/NA	Solid	8021B	26098
LCSD 880-26098/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	26098
890-2327-11 MS	PH05	Total/NA	Solid	8021B	26098
890-2327-11 MSD	PH05	Total/NA	Solid	8021B	26098

QC Association Summary

Client: Ensolum
Project/Site: Ross Draw Unit #034

Job ID: 890-2327-1
SDG: 03A1987018

GC VOA

Analysis Batch: 26082

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2327-1	PH01	Total/NA	Solid	8021B	25990
890-2327-2	PH01	Total/NA	Solid	8021B	25990
890-2327-3	PH01	Total/NA	Solid	8021B	25990
890-2327-4	PH02	Total/NA	Solid	8021B	25990
890-2327-5	PH02	Total/NA	Solid	8021B	25990
890-2327-6	PH02	Total/NA	Solid	8021B	25990
890-2327-7	PH03	Total/NA	Solid	8021B	25990
890-2327-8	PH03	Total/NA	Solid	8021B	25990
890-2327-9	PH04	Total/NA	Solid	8021B	25990
890-2327-10	PH04	Total/NA	Solid	8021B	25990
MB 880-25990/5-A	Method Blank	Total/NA	Solid	8021B	25990
LCS 880-25990/1-A	Lab Control Sample	Total/NA	Solid	8021B	25990
LCSD 880-25990/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	25990
890-2327-1 MS	PH01	Total/NA	Solid	8021B	25990
890-2327-1 MSD	PH01	Total/NA	Solid	8021B	25990

Prep Batch: 26098

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2327-11	PH05	Total/NA	Solid	5035	
890-2327-12	PH05	Total/NA	Solid	5035	
890-2327-13	PH06	Total/NA	Solid	5035	
890-2327-14	PH06	Total/NA	Solid	5035	
890-2327-15	PH07	Total/NA	Solid	5035	
890-2327-16	PH07	Total/NA	Solid	5035	
890-2327-17	PH08	Total/NA	Solid	5035	
890-2327-18	PH08	Total/NA	Solid	5035	
890-2327-19	PH09	Total/NA	Solid	5035	
890-2327-20	PH09	Total/NA	Solid	5035	
890-2327-21	PH10	Total/NA	Solid	5035	
890-2327-22	PH10	Total/NA	Solid	5035	
890-2327-23	PH11	Total/NA	Solid	5035	
890-2327-24	PH11	Total/NA	Solid	5035	
890-2327-25	PH12	Total/NA	Solid	5035	
890-2327-26	PH12	Total/NA	Solid	5035	
890-2327-27	PH13	Total/NA	Solid	5035	
890-2327-28	PH13	Total/NA	Solid	5035	
890-2327-29	PH14	Total/NA	Solid	5035	
890-2327-30	PH14	Total/NA	Solid	5035	
MB 880-26098/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-26098/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-26098/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-2327-11 MS	PH05	Total/NA	Solid	5035	
890-2327-11 MSD	PH05	Total/NA	Solid	5035	

Analysis Batch: 26129

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2327-1	PH01	Total/NA	Solid	Total BTEX	
890-2327-2	PH01	Total/NA	Solid	Total BTEX	
890-2327-3	PH01	Total/NA	Solid	Total BTEX	
890-2327-4	PH02	Total/NA	Solid	Total BTEX	
890-2327-5	PH02	Total/NA	Solid	Total BTEX	

QC Association Summary

Client: Ensolum
Project/Site: Ross Draw Unit #034

Job ID: 890-2327-1
SDG: 03A1987018

GC VOA (Continued)

Analysis Batch: 26129 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2327-6	PH02	Total/NA	Solid	Total BTEX	
890-2327-7	PH03	Total/NA	Solid	Total BTEX	
890-2327-8	PH03	Total/NA	Solid	Total BTEX	
890-2327-9	PH04	Total/NA	Solid	Total BTEX	
890-2327-10	PH04	Total/NA	Solid	Total BTEX	
890-2327-11	PH05	Total/NA	Solid	Total BTEX	
890-2327-12	PH05	Total/NA	Solid	Total BTEX	
890-2327-13	PH06	Total/NA	Solid	Total BTEX	
890-2327-14	PH06	Total/NA	Solid	Total BTEX	
890-2327-15	PH07	Total/NA	Solid	Total BTEX	
890-2327-16	PH07	Total/NA	Solid	Total BTEX	
890-2327-17	PH08	Total/NA	Solid	Total BTEX	
890-2327-18	PH08	Total/NA	Solid	Total BTEX	
890-2327-19	PH09	Total/NA	Solid	Total BTEX	
890-2327-20	PH09	Total/NA	Solid	Total BTEX	
890-2327-21	PH10	Total/NA	Solid	Total BTEX	
890-2327-22	PH10	Total/NA	Solid	Total BTEX	
890-2327-23	PH11	Total/NA	Solid	Total BTEX	
890-2327-24	PH11	Total/NA	Solid	Total BTEX	
890-2327-25	PH12	Total/NA	Solid	Total BTEX	
890-2327-26	PH12	Total/NA	Solid	Total BTEX	
890-2327-27	PH13	Total/NA	Solid	Total BTEX	
890-2327-28	PH13	Total/NA	Solid	Total BTEX	
890-2327-29	PH14	Total/NA	Solid	Total BTEX	
890-2327-30	PH14	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 26020

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2327-21	PH10	Total/NA	Solid	8015B NM	26030
890-2327-22	PH10	Total/NA	Solid	8015B NM	26030
890-2327-23	PH11	Total/NA	Solid	8015B NM	26030
890-2327-24	PH11	Total/NA	Solid	8015B NM	26030
890-2327-25	PH12	Total/NA	Solid	8015B NM	26030
890-2327-26	PH12	Total/NA	Solid	8015B NM	26030
890-2327-27	PH13	Total/NA	Solid	8015B NM	26030
890-2327-28	PH13	Total/NA	Solid	8015B NM	26030
890-2327-29	PH14	Total/NA	Solid	8015B NM	26030
890-2327-30	PH14	Total/NA	Solid	8015B NM	26030
MB 880-26030/1-A	Method Blank	Total/NA	Solid	8015B NM	26030
LCS 880-26030/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	26030
LCSD 880-26030/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	26030
890-2327-21 MS	PH10	Total/NA	Solid	8015B NM	26030
890-2327-21 MSD	PH10	Total/NA	Solid	8015B NM	26030

Analysis Batch: 26026

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2327-1	PH01	Total/NA	Solid	8015B NM	26029
890-2327-2	PH01	Total/NA	Solid	8015B NM	26029
890-2327-3	PH01	Total/NA	Solid	8015B NM	26029

QC Association Summary

Client: Ensolum
Project/Site: Ross Draw Unit #034

Job ID: 890-2327-1
SDG: 03A1987018

GC Semi VOA (Continued)

Analysis Batch: 26026 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2327-4	PH02	Total/NA	Solid	8015B NM	26029
890-2327-5	PH02	Total/NA	Solid	8015B NM	26029
890-2327-6	PH02	Total/NA	Solid	8015B NM	26029
890-2327-7	PH03	Total/NA	Solid	8015B NM	26029
890-2327-8	PH03	Total/NA	Solid	8015B NM	26029
890-2327-9	PH04	Total/NA	Solid	8015B NM	26029
890-2327-10	PH04	Total/NA	Solid	8015B NM	26029
890-2327-11	PH05	Total/NA	Solid	8015B NM	26029
890-2327-12	PH05	Total/NA	Solid	8015B NM	26029
890-2327-13	PH06	Total/NA	Solid	8015B NM	26029
890-2327-14	PH06	Total/NA	Solid	8015B NM	26029
890-2327-15	PH07	Total/NA	Solid	8015B NM	26029
890-2327-16	PH07	Total/NA	Solid	8015B NM	26029
890-2327-17	PH08	Total/NA	Solid	8015B NM	26029
890-2327-18	PH08	Total/NA	Solid	8015B NM	26029
890-2327-19	PH09	Total/NA	Solid	8015B NM	26029
890-2327-20	PH09	Total/NA	Solid	8015B NM	26029
MB 880-26029/1-A	Method Blank	Total/NA	Solid	8015B NM	26029
LCS 880-26029/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	26029
LCSD 880-26029/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	26029
890-2327-1 MS	PH01	Total/NA	Solid	8015B NM	26029
890-2327-1 MSD	PH01	Total/NA	Solid	8015B NM	26029

Prep Batch: 26029

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2327-1	PH01	Total/NA	Solid	8015NM Prep	
890-2327-2	PH01	Total/NA	Solid	8015NM Prep	
890-2327-3	PH01	Total/NA	Solid	8015NM Prep	
890-2327-4	PH02	Total/NA	Solid	8015NM Prep	
890-2327-5	PH02	Total/NA	Solid	8015NM Prep	
890-2327-6	PH02	Total/NA	Solid	8015NM Prep	
890-2327-7	PH03	Total/NA	Solid	8015NM Prep	
890-2327-8	PH03	Total/NA	Solid	8015NM Prep	
890-2327-9	PH04	Total/NA	Solid	8015NM Prep	
890-2327-10	PH04	Total/NA	Solid	8015NM Prep	
890-2327-11	PH05	Total/NA	Solid	8015NM Prep	
890-2327-12	PH05	Total/NA	Solid	8015NM Prep	
890-2327-13	PH06	Total/NA	Solid	8015NM Prep	
890-2327-14	PH06	Total/NA	Solid	8015NM Prep	
890-2327-15	PH07	Total/NA	Solid	8015NM Prep	
890-2327-16	PH07	Total/NA	Solid	8015NM Prep	
890-2327-17	PH08	Total/NA	Solid	8015NM Prep	
890-2327-18	PH08	Total/NA	Solid	8015NM Prep	
890-2327-19	PH09	Total/NA	Solid	8015NM Prep	
890-2327-20	PH09	Total/NA	Solid	8015NM Prep	
MB 880-26029/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-26029/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-26029/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-2327-1 MS	PH01	Total/NA	Solid	8015NM Prep	
890-2327-1 MSD	PH01	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: Ensolum
Project/Site: Ross Draw Unit #034

Job ID: 890-2327-1
SDG: 03A1987018

GC Semi VOA

Prep Batch: 26030

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2327-21	PH10	Total/NA	Solid	8015NM Prep	
890-2327-22	PH10	Total/NA	Solid	8015NM Prep	
890-2327-23	PH11	Total/NA	Solid	8015NM Prep	
890-2327-24	PH11	Total/NA	Solid	8015NM Prep	
890-2327-25	PH12	Total/NA	Solid	8015NM Prep	
890-2327-26	PH12	Total/NA	Solid	8015NM Prep	
890-2327-27	PH13	Total/NA	Solid	8015NM Prep	
890-2327-28	PH13	Total/NA	Solid	8015NM Prep	
890-2327-29	PH14	Total/NA	Solid	8015NM Prep	
890-2327-30	PH14	Total/NA	Solid	8015NM Prep	
MB 880-26030/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-26030/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-26030/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-2327-21 MS	PH10	Total/NA	Solid	8015NM Prep	
890-2327-21 MSD	PH10	Total/NA	Solid	8015NM Prep	

Analysis Batch: 26136

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2327-1	PH01	Total/NA	Solid	8015 NM	
890-2327-2	PH01	Total/NA	Solid	8015 NM	
890-2327-3	PH01	Total/NA	Solid	8015 NM	
890-2327-4	PH02	Total/NA	Solid	8015 NM	
890-2327-5	PH02	Total/NA	Solid	8015 NM	
890-2327-6	PH02	Total/NA	Solid	8015 NM	
890-2327-7	PH03	Total/NA	Solid	8015 NM	
890-2327-8	PH03	Total/NA	Solid	8015 NM	
890-2327-9	PH04	Total/NA	Solid	8015 NM	
890-2327-10	PH04	Total/NA	Solid	8015 NM	
890-2327-11	PH05	Total/NA	Solid	8015 NM	
890-2327-12	PH05	Total/NA	Solid	8015 NM	
890-2327-13	PH06	Total/NA	Solid	8015 NM	
890-2327-14	PH06	Total/NA	Solid	8015 NM	
890-2327-15	PH07	Total/NA	Solid	8015 NM	
890-2327-16	PH07	Total/NA	Solid	8015 NM	
890-2327-17	PH08	Total/NA	Solid	8015 NM	
890-2327-18	PH08	Total/NA	Solid	8015 NM	
890-2327-19	PH09	Total/NA	Solid	8015 NM	
890-2327-20	PH09	Total/NA	Solid	8015 NM	
890-2327-21	PH10	Total/NA	Solid	8015 NM	
890-2327-22	PH10	Total/NA	Solid	8015 NM	
890-2327-23	PH11	Total/NA	Solid	8015 NM	
890-2327-24	PH11	Total/NA	Solid	8015 NM	
890-2327-25	PH12	Total/NA	Solid	8015 NM	
890-2327-26	PH12	Total/NA	Solid	8015 NM	
890-2327-27	PH13	Total/NA	Solid	8015 NM	
890-2327-28	PH13	Total/NA	Solid	8015 NM	
890-2327-29	PH14	Total/NA	Solid	8015 NM	
890-2327-30	PH14	Total/NA	Solid	8015 NM	

QC Association Summary

Client: Ensolum
Project/Site: Ross Draw Unit #034

Job ID: 890-2327-1
SDG: 03A1987018

HPLC/IC

Leach Batch: 26084

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2327-1	PH01	Soluble	Solid	DI Leach	
890-2327-2	PH01	Soluble	Solid	DI Leach	
890-2327-3	PH01	Soluble	Solid	DI Leach	
890-2327-4	PH02	Soluble	Solid	DI Leach	
MB 880-26084/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-26084/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-26084/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-2323-A-1-C MS	Matrix Spike	Soluble	Solid	DI Leach	
890-2323-A-1-D MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	
890-2326-A-1-C MS	Matrix Spike	Soluble	Solid	DI Leach	
890-2326-A-1-D MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Leach Batch: 26085

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2327-5	PH02	Soluble	Solid	DI Leach	
890-2327-6	PH02	Soluble	Solid	DI Leach	
890-2327-7	PH03	Soluble	Solid	DI Leach	
890-2327-8	PH03	Soluble	Solid	DI Leach	
890-2327-9	PH04	Soluble	Solid	DI Leach	
890-2327-10	PH04	Soluble	Solid	DI Leach	
890-2327-11	PH05	Soluble	Solid	DI Leach	
890-2327-12	PH05	Soluble	Solid	DI Leach	
890-2327-13	PH06	Soluble	Solid	DI Leach	
890-2327-14	PH06	Soluble	Solid	DI Leach	
890-2327-15	PH07	Soluble	Solid	DI Leach	
890-2327-16	PH07	Soluble	Solid	DI Leach	
890-2327-17	PH08	Soluble	Solid	DI Leach	
890-2327-18	PH08	Soluble	Solid	DI Leach	
890-2327-19	PH09	Soluble	Solid	DI Leach	
890-2327-20	PH09	Soluble	Solid	DI Leach	
890-2327-21	PH10	Soluble	Solid	DI Leach	
890-2327-22	PH10	Soluble	Solid	DI Leach	
890-2327-23	PH11	Soluble	Solid	DI Leach	
890-2327-24	PH11	Soluble	Solid	DI Leach	
MB 880-26085/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-26085/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-26085/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-2327-5 MS	PH02	Soluble	Solid	DI Leach	
890-2327-5 MSD	PH02	Soluble	Solid	DI Leach	
890-2327-15 MS	PH07	Soluble	Solid	DI Leach	
890-2327-15 MSD	PH07	Soluble	Solid	DI Leach	

Leach Batch: 26091

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2327-25	PH12	Soluble	Solid	DI Leach	
890-2327-26	PH12	Soluble	Solid	DI Leach	
890-2327-27	PH13	Soluble	Solid	DI Leach	
890-2327-28	PH13	Soluble	Solid	DI Leach	
890-2327-29	PH14	Soluble	Solid	DI Leach	
890-2327-30	PH14	Soluble	Solid	DI Leach	
MB 880-26091/1-A	Method Blank	Soluble	Solid	DI Leach	

QC Association Summary

Client: Ensolum
Project/Site: Ross Draw Unit #034

Job ID: 890-2327-1
SDG: 03A1987018

HPLC/IC (Continued)

Leach Batch: 26091 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-26091/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-26091/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-2327-25 MS	PH12	Soluble	Solid	DI Leach	
890-2327-25 MSD	PH12	Soluble	Solid	DI Leach	

Analysis Batch: 26199

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2327-1	PH01	Soluble	Solid	300.0	26084
890-2327-2	PH01	Soluble	Solid	300.0	26084
890-2327-3	PH01	Soluble	Solid	300.0	26084
890-2327-4	PH02	Soluble	Solid	300.0	26084
MB 880-26084/1-A	Method Blank	Soluble	Solid	300.0	26084
LCS 880-26084/2-A	Lab Control Sample	Soluble	Solid	300.0	26084
LCSD 880-26084/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	26084
890-2323-A-1-C MS	Matrix Spike	Soluble	Solid	300.0	26084
890-2323-A-1-D MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	26084
890-2326-A-1-C MS	Matrix Spike	Soluble	Solid	300.0	26084
890-2326-A-1-D MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	26084

Analysis Batch: 26234

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2327-5	PH02	Soluble	Solid	300.0	26085
890-2327-6	PH02	Soluble	Solid	300.0	26085
890-2327-7	PH03	Soluble	Solid	300.0	26085
890-2327-8	PH03	Soluble	Solid	300.0	26085
890-2327-9	PH04	Soluble	Solid	300.0	26085
890-2327-10	PH04	Soluble	Solid	300.0	26085
890-2327-11	PH05	Soluble	Solid	300.0	26085
890-2327-12	PH05	Soluble	Solid	300.0	26085
890-2327-13	PH06	Soluble	Solid	300.0	26085
890-2327-14	PH06	Soluble	Solid	300.0	26085
890-2327-15	PH07	Soluble	Solid	300.0	26085
890-2327-16	PH07	Soluble	Solid	300.0	26085
890-2327-17	PH08	Soluble	Solid	300.0	26085
890-2327-18	PH08	Soluble	Solid	300.0	26085
890-2327-19	PH09	Soluble	Solid	300.0	26085
890-2327-20	PH09	Soluble	Solid	300.0	26085
890-2327-21	PH10	Soluble	Solid	300.0	26085
890-2327-22	PH10	Soluble	Solid	300.0	26085
890-2327-23	PH11	Soluble	Solid	300.0	26085
890-2327-24	PH11	Soluble	Solid	300.0	26085
MB 880-26085/1-A	Method Blank	Soluble	Solid	300.0	26085
LCS 880-26085/2-A	Lab Control Sample	Soluble	Solid	300.0	26085
LCSD 880-26085/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	26085
890-2327-5 MS	PH02	Soluble	Solid	300.0	26085
890-2327-5 MSD	PH02	Soluble	Solid	300.0	26085
890-2327-15 MS	PH07	Soluble	Solid	300.0	26085
890-2327-15 MSD	PH07	Soluble	Solid	300.0	26085

QC Association Summary

Client: Ensolum
Project/Site: Ross Draw Unit #034

Job ID: 890-2327-1
SDG: 03A1987018

HPLC/IC

Analysis Batch: 26235

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2327-25	PH12	Soluble	Solid	300.0	26091
890-2327-26	PH12	Soluble	Solid	300.0	26091
890-2327-27	PH13	Soluble	Solid	300.0	26091
890-2327-28	PH13	Soluble	Solid	300.0	26091
890-2327-29	PH14	Soluble	Solid	300.0	26091
890-2327-30	PH14	Soluble	Solid	300.0	26091
MB 880-26091/1-A	Method Blank	Soluble	Solid	300.0	26091
LCS 880-26091/2-A	Lab Control Sample	Soluble	Solid	300.0	26091
LCSD 880-26091/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	26091
890-2327-25 MS	PH12	Soluble	Solid	300.0	26091
890-2327-25 MSD	PH12	Soluble	Solid	300.0	26091

Lab Chronicle

Client: Ensolum
Project/Site: Ross Draw Unit #034

Job ID: 890-2327-1
SDG: 03A1987018

Client Sample ID: PH01
Date Collected: 05/18/22 10:50
Date Received: 05/20/22 12:36

Lab Sample ID: 890-2327-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	25990	05/20/22 15:46	MR	XEN MID
Total/NA	Analysis	8021B		1			26082	05/23/22 17:57	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			26129	05/24/22 09:11	SM	XEN MID
Total/NA	Analysis	8015 NM		1			26136	05/24/22 09:26	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	26029	05/23/22 08:25	DM	XEN MID
Total/NA	Analysis	8015B NM		1			26026	05/23/22 11:07	SM	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	26084	05/23/22 11:02	SC	XEN MID
Soluble	Analysis	300.0		1			26199	05/25/22 09:04	CH	XEN MID

Client Sample ID: PH01
Date Collected: 05/18/22 10:55
Date Received: 05/20/22 12:36

Lab Sample ID: 890-2327-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	25990	05/20/22 15:46	MR	XEN MID
Total/NA	Analysis	8021B		1			26082	05/23/22 18:23	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			26129	05/24/22 09:11	SM	XEN MID
Total/NA	Analysis	8015 NM		1			26136	05/24/22 09:26	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	26029	05/23/22 08:25	DM	XEN MID
Total/NA	Analysis	8015B NM		1			26026	05/23/22 12:12	SM	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	26084	05/23/22 11:02	SC	XEN MID
Soluble	Analysis	300.0		5			26199	05/25/22 09:13	CH	XEN MID

Client Sample ID: PH01
Date Collected: 05/18/22 11:10
Date Received: 05/20/22 12:36

Lab Sample ID: 890-2327-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	25990	05/20/22 15:46	MR	XEN MID
Total/NA	Analysis	8021B		1			26082	05/23/22 18:49	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			26129	05/24/22 09:11	SM	XEN MID
Total/NA	Analysis	8015 NM		1			26136	05/24/22 09:26	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	26029	05/23/22 08:25	DM	XEN MID
Total/NA	Analysis	8015B NM		1			26026	05/23/22 12:34	SM	XEN MID
Soluble	Leach	DI Leach			4.98 g	50 mL	26084	05/23/22 11:02	SC	XEN MID
Soluble	Analysis	300.0		5			26199	05/25/22 09:22	CH	XEN MID

Client Sample ID: PH02
Date Collected: 05/18/22 11:15
Date Received: 05/20/22 12:36

Lab Sample ID: 890-2327-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	25990	05/20/22 15:46	MR	XEN MID
Total/NA	Analysis	8021B		1			26082	05/23/22 19:16	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			26129	05/24/22 09:11	SM	XEN MID

Lab Chronicle

Client: Ensolum
Project/Site: Ross Draw Unit #034

Job ID: 890-2327-1
SDG: 03A1987018

Client Sample ID: PH02
Date Collected: 05/18/22 11:15
Date Received: 05/20/22 12:36

Lab Sample ID: 890-2327-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			26136	05/24/22 09:26	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	26029	05/23/22 08:25	DM	XEN MID
Total/NA	Analysis	8015B NM		1			26026	05/23/22 12:56	SM	XEN MID
Soluble	Leach	DI Leach			4.98 g	50 mL	26084	05/23/22 11:02	SC	XEN MID
Soluble	Analysis	300.0		5			26199	05/25/22 09:32	CH	XEN MID

Client Sample ID: PH02
Date Collected: 05/18/22 11:30
Date Received: 05/20/22 12:36

Lab Sample ID: 890-2327-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	25990	05/20/22 15:46	MR	XEN MID
Total/NA	Analysis	8021B		1			26082	05/23/22 19:42	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			26129	05/24/22 09:11	SM	XEN MID
Total/NA	Analysis	8015 NM		1			26136	05/24/22 09:26	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	26029	05/23/22 08:25	DM	XEN MID
Total/NA	Analysis	8015B NM		1			26026	05/23/22 13:18	SM	XEN MID
Soluble	Leach	DI Leach			4.95 g	50 mL	26085	05/23/22 11:07	SC	XEN MID
Soluble	Analysis	300.0		5			26234	05/26/22 17:53	CH	XEN MID

Client Sample ID: PH02
Date Collected: 05/18/22 11:35
Date Received: 05/20/22 12:36

Lab Sample ID: 890-2327-6
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	25990	05/20/22 15:46	MR	XEN MID
Total/NA	Analysis	8021B		1			26082	05/23/22 20:08	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			26129	05/24/22 09:11	SM	XEN MID
Total/NA	Analysis	8015 NM		1			26136	05/24/22 09:26	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	26029	05/23/22 08:25	DM	XEN MID
Total/NA	Analysis	8015B NM		1			26026	05/23/22 13:40	SM	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	26085	05/23/22 11:07	SC	XEN MID
Soluble	Analysis	300.0		5			26234	05/26/22 18:21	CH	XEN MID

Client Sample ID: PH03
Date Collected: 05/18/22 12:05
Date Received: 05/20/22 12:36

Lab Sample ID: 890-2327-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	25990	05/20/22 15:46	MR	XEN MID
Total/NA	Analysis	8021B		1			26082	05/23/22 20:35	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			26129	05/24/22 09:11	SM	XEN MID
Total/NA	Analysis	8015 NM		1			26136	05/24/22 09:26	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	26029	05/23/22 08:25	DM	XEN MID
Total/NA	Analysis	8015B NM		1			26026	05/23/22 14:02	SM	XEN MID

Lab Chronicle

Client: Ensolum
Project/Site: Ross Draw Unit #034

Job ID: 890-2327-1
SDG: 03A1987018

Client Sample ID: PH03
Date Collected: 05/18/22 12:05
Date Received: 05/20/22 12:36

Lab Sample ID: 890-2327-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5 g	50 mL	26085	05/23/22 11:07	SC	XEN MID
Soluble	Analysis	300.0		5			26234	05/26/22 18:30	CH	XEN MID

Client Sample ID: PH03
Date Collected: 05/18/22 12:15
Date Received: 05/20/22 12:36

Lab Sample ID: 890-2327-8
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	25990	05/20/22 15:46	MR	XEN MID
Total/NA	Analysis	8021B		1			26082	05/23/22 21:01	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			26129	05/24/22 09:11	SM	XEN MID
Total/NA	Analysis	8015 NM		1			26136	05/24/22 09:26	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	26029	05/23/22 08:25	DM	XEN MID
Total/NA	Analysis	8015B NM		1			26026	05/23/22 14:24	SM	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	26085	05/23/22 11:07	SC	XEN MID
Soluble	Analysis	300.0		5			26234	05/26/22 18:39	CH	XEN MID

Client Sample ID: PH04
Date Collected: 05/18/22 13:00
Date Received: 05/20/22 12:36

Lab Sample ID: 890-2327-9
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	25990	05/20/22 15:46	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	1.0 mL	26082	05/23/22 21:27	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			26129	05/24/22 09:11	SM	XEN MID
Total/NA	Analysis	8015 NM		1			26136	05/24/22 09:26	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	26029	05/23/22 08:25	DM	XEN MID
Total/NA	Analysis	8015B NM		1			26026	05/23/22 14:46	SM	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	26085	05/23/22 11:07	SC	XEN MID
Soluble	Analysis	300.0		5			26234	05/26/22 18:48	CH	XEN MID

Client Sample ID: PH04
Date Collected: 05/18/22 13:05
Date Received: 05/20/22 12:36

Lab Sample ID: 890-2327-10
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	25990	05/20/22 15:46	MR	XEN MID
Total/NA	Analysis	8021B		1			26082	05/23/22 21:52	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			26129	05/24/22 09:11	SM	XEN MID
Total/NA	Analysis	8015 NM		1			26136	05/24/22 09:26	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	26029	05/23/22 08:25	DM	XEN MID
Total/NA	Analysis	8015B NM		1			26026	05/23/22 15:08	SM	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	26085	05/23/22 11:07	SC	XEN MID
Soluble	Analysis	300.0		5			26234	05/26/22 19:16	CH	XEN MID

Lab Chronicle

Client: Ensolum
Project/Site: Ross Draw Unit #034

Job ID: 890-2327-1
SDG: 03A1987018

Client Sample ID: PH05
Date Collected: 05/18/22 13:15
Date Received: 05/20/22 12:36

Lab Sample ID: 890-2327-11
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	26098	05/23/22 12:18	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	26081	05/24/22 06:17	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			26129	05/24/22 09:11	SM	XEN MID
Total/NA	Analysis	8015 NM		1			26136	05/24/22 09:26	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	26029	05/23/22 08:25	DM	XEN MID
Total/NA	Analysis	8015B NM		1			26026	05/23/22 16:59	SM	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	26085	05/23/22 11:07	SC	XEN MID
Soluble	Analysis	300.0		5			26234	05/26/22 19:25	CH	XEN MID

Client Sample ID: PH05
Date Collected: 05/18/22 13:20
Date Received: 05/20/22 12:36

Lab Sample ID: 890-2327-12
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	26098	05/23/22 12:18	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	26081	05/24/22 06:38	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			26129	05/24/22 09:11	SM	XEN MID
Total/NA	Analysis	8015 NM		1			26136	05/24/22 09:26	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	26029	05/23/22 08:25	DM	XEN MID
Total/NA	Analysis	8015B NM		1			26026	05/23/22 17:21	SM	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	26085	05/23/22 11:07	SC	XEN MID
Soluble	Analysis	300.0		5			26234	05/26/22 19:34	CH	XEN MID

Client Sample ID: PH06
Date Collected: 05/18/22 13:25
Date Received: 05/20/22 12:36

Lab Sample ID: 890-2327-13
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	26098	05/23/22 12:18	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	26081	05/24/22 06:58	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			26129	05/24/22 09:11	SM	XEN MID
Total/NA	Analysis	8015 NM		1			26136	05/24/22 09:26	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	26029	05/23/22 08:25	DM	XEN MID
Total/NA	Analysis	8015B NM		1			26026	05/23/22 17:42	SM	XEN MID
Soluble	Leach	DI Leach			4.99 g	50 mL	26085	05/23/22 11:07	SC	XEN MID
Soluble	Analysis	300.0		1			26234	05/26/22 19:44	CH	XEN MID

Client Sample ID: PH06
Date Collected: 05/18/22 13:30
Date Received: 05/20/22 12:36

Lab Sample ID: 890-2327-14
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	26098	05/23/22 12:18	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	26081	05/24/22 07:19	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			26129	05/24/22 09:11	SM	XEN MID

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Lab Chronicle

Client: Ensolum
Project/Site: Ross Draw Unit #034

Job ID: 890-2327-1
SDG: 03A1987018

Client Sample ID: PH06

Date Collected: 05/18/22 13:30
Date Received: 05/20/22 12:36

Lab Sample ID: 890-2327-14

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			26136	05/24/22 09:26	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	26029	05/23/22 08:25	DM	XEN MID
Total/NA	Analysis	8015B NM		1			26026	05/23/22 18:03	SM	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	26085	05/23/22 11:07	SC	XEN MID
Soluble	Analysis	300.0		1			26234	05/27/22 10:41	CH	XEN MID

Client Sample ID: PH07

Date Collected: 05/18/22 13:45
Date Received: 05/20/22 12:36

Lab Sample ID: 890-2327-15

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	26098	05/23/22 12:18	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	26081	05/24/22 07:40	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			26129	05/24/22 09:11	SM	XEN MID
Total/NA	Analysis	8015 NM		1			26136	05/24/22 09:26	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	26029	05/23/22 08:25	DM	XEN MID
Total/NA	Analysis	8015B NM		1			26026	05/23/22 18:25	SM	XEN MID
Soluble	Leach	DI Leach			4.98 g	50 mL	26085	05/23/22 11:07	SC	XEN MID
Soluble	Analysis	300.0		1			26234	05/26/22 20:02	CH	XEN MID

Client Sample ID: PH07

Date Collected: 05/18/22 13:50
Date Received: 05/20/22 12:36

Lab Sample ID: 890-2327-16

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	26098	05/23/22 12:18	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	26081	05/24/22 08:00	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			26129	05/24/22 09:11	SM	XEN MID
Total/NA	Analysis	8015 NM		1			26136	05/24/22 09:26	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	26029	05/23/22 08:25	DM	XEN MID
Total/NA	Analysis	8015B NM		1			26026	05/23/22 18:47	SM	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	26085	05/23/22 11:07	SC	XEN MID
Soluble	Analysis	300.0		1			26234	05/26/22 20:30	CH	XEN MID

Client Sample ID: PH08

Date Collected: 05/18/22 14:00
Date Received: 05/20/22 12:36

Lab Sample ID: 890-2327-17

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	26098	05/23/22 12:18	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	26081	05/24/22 08:21	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			26129	05/24/22 09:11	SM	XEN MID
Total/NA	Analysis	8015 NM		1			26136	05/24/22 09:26	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	26029	05/23/22 08:25	DM	XEN MID
Total/NA	Analysis	8015B NM		1			26026	05/23/22 19:09	SM	XEN MID

Lab Chronicle

Client: Ensolum
Project/Site: Ross Draw Unit #034

Job ID: 890-2327-1
SDG: 03A1987018

Client Sample ID: PH08
Date Collected: 05/18/22 14:00
Date Received: 05/20/22 12:36

Lab Sample ID: 890-2327-17
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5 g	50 mL	26085	05/23/22 11:07	SC	XEN MID
Soluble	Analysis	300.0		1			26234	05/26/22 20:39	CH	XEN MID

Client Sample ID: PH08
Date Collected: 05/18/22 14:05
Date Received: 05/20/22 12:36

Lab Sample ID: 890-2327-18
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	26098	05/23/22 12:18	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	26081	05/24/22 08:41	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			26129	05/24/22 09:11	SM	XEN MID
Total/NA	Analysis	8015 NM		1			26136	05/24/22 09:26	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	26029	05/23/22 08:25	DM	XEN MID
Total/NA	Analysis	8015B NM		1			26026	05/23/22 19:31	SM	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	26085	05/23/22 11:07	SC	XEN MID
Soluble	Analysis	300.0		1			26234	05/26/22 21:07	CH	XEN MID

Client Sample ID: PH09
Date Collected: 05/18/22 14:10
Date Received: 05/20/22 12:36

Lab Sample ID: 890-2327-19
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	26098	05/23/22 12:18	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	26081	05/24/22 09:02	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			26129	05/24/22 09:11	SM	XEN MID
Total/NA	Analysis	8015 NM		1			26136	05/24/22 09:26	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	26029	05/23/22 08:25	DM	XEN MID
Total/NA	Analysis	8015B NM		1			26026	05/23/22 19:52	SM	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	26085	05/23/22 11:07	SC	XEN MID
Soluble	Analysis	300.0		1			26234	05/26/22 21:16	CH	XEN MID

Client Sample ID: PH09
Date Collected: 05/18/22 14:15
Date Received: 05/20/22 12:36

Lab Sample ID: 890-2327-20
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	26098	05/23/22 12:18	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	26081	05/24/22 09:23	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			26129	05/24/22 09:11	SM	XEN MID
Total/NA	Analysis	8015 NM		1			26136	05/24/22 09:26	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	26029	05/23/22 08:25	DM	XEN MID
Total/NA	Analysis	8015B NM		1			26026	05/23/22 20:14	SM	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	26085	05/23/22 11:07	SC	XEN MID
Soluble	Analysis	300.0		1			26234	05/26/22 21:25	CH	XEN MID

Lab Chronicle

Client: Ensolum
Project/Site: Ross Draw Unit #034

Job ID: 890-2327-1
SDG: 03A1987018

Client Sample ID: PH10
Date Collected: 05/19/22 13:30
Date Received: 05/20/22 12:36

Lab Sample ID: 890-2327-21
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	26098	05/23/22 12:18	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	26081	05/24/22 10:47	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			26129	05/24/22 09:11	SM	XEN MID
Total/NA	Analysis	8015 NM		1			26136	05/24/22 09:26	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	26030	05/23/22 08:26	DM	XEN MID
Total/NA	Analysis	8015B NM		1			26020	05/23/22 11:08	SM	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	26085	05/23/22 11:07	SC	XEN MID
Soluble	Analysis	300.0		1			26234	05/26/22 21:35	CH	XEN MID

Client Sample ID: PH10
Date Collected: 05/19/22 03:35
Date Received: 05/20/22 12:36

Lab Sample ID: 890-2327-22
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	26098	05/23/22 12:18	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	26081	05/24/22 11:08	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			26129	05/24/22 09:11	SM	XEN MID
Total/NA	Analysis	8015 NM		1			26136	05/24/22 09:26	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	26030	05/23/22 08:26	DM	XEN MID
Total/NA	Analysis	8015B NM		1			26020	05/23/22 12:13	SM	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	26085	05/23/22 11:07	SC	XEN MID
Soluble	Analysis	300.0		1			26234	05/26/22 21:44	CH	XEN MID

Client Sample ID: PH11
Date Collected: 05/19/22 13:45
Date Received: 05/20/22 12:36

Lab Sample ID: 890-2327-23
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	26098	05/23/22 12:18	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	26081	05/24/22 11:28	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			26129	05/24/22 09:11	SM	XEN MID
Total/NA	Analysis	8015 NM		1			26136	05/24/22 09:26	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	26030	05/23/22 08:26	DM	XEN MID
Total/NA	Analysis	8015B NM		1			26020	05/23/22 12:35	SM	XEN MID
Soluble	Leach	DI Leach			4.99 g	50 mL	26085	05/23/22 11:07	SC	XEN MID
Soluble	Analysis	300.0		1			26234	05/27/22 07:46	CH	XEN MID

Client Sample ID: PH11
Date Collected: 05/19/22 13:50
Date Received: 05/20/22 12:36

Lab Sample ID: 890-2327-24
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	26098	05/23/22 12:18	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	26081	05/24/22 11:49	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			26129	05/24/22 09:11	SM	XEN MID

Eurofins Carlsbad

Lab Chronicle

Client: Ensolum
Project/Site: Ross Draw Unit #034

Job ID: 890-2327-1
SDG: 03A1987018

Client Sample ID: PH11
Date Collected: 05/19/22 13:50
Date Received: 05/20/22 12:36

Lab Sample ID: 890-2327-24
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			26136	05/24/22 09:26	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	26030	05/23/22 08:26	DM	XEN MID
Total/NA	Analysis	8015B NM		1			26020	05/23/22 12:56	SM	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	26085	05/23/22 11:07	SC	XEN MID
Soluble	Analysis	300.0		1			26234	05/27/22 07:55	CH	XEN MID

Client Sample ID: PH12
Date Collected: 05/19/22 14:05
Date Received: 05/20/22 12:36

Lab Sample ID: 890-2327-25
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	26098	05/23/22 12:18	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	26081	05/24/22 12:10	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			26129	05/24/22 09:11	SM	XEN MID
Total/NA	Analysis	8015 NM		1			26136	05/24/22 09:26	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	26030	05/23/22 08:26	DM	XEN MID
Total/NA	Analysis	8015B NM		1			26020	05/23/22 13:18	SM	XEN MID
Soluble	Leach	DI Leach			5.04 g	50 mL	26091	05/23/22 11:14	SC	XEN MID
Soluble	Analysis	300.0		1			26235	05/27/22 09:09	SC	XEN MID

Client Sample ID: PH12
Date Collected: 05/19/22 14:10
Date Received: 05/20/22 12:36

Lab Sample ID: 890-2327-26
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	26098	05/23/22 12:18	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	26081	05/24/22 12:30	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			26129	05/24/22 09:11	SM	XEN MID
Total/NA	Analysis	8015 NM		1			26136	05/24/22 09:26	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	26030	05/23/22 08:26	DM	XEN MID
Total/NA	Analysis	8015B NM		1			26020	05/23/22 13:40	SM	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	26091	05/23/22 11:14	SC	XEN MID
Soluble	Analysis	300.0		1			26235	05/27/22 11:27	SC	XEN MID

Client Sample ID: PH13
Date Collected: 05/19/22 14:25
Date Received: 05/20/22 12:36

Lab Sample ID: 890-2327-27
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	26098	05/23/22 12:18	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	26081	05/24/22 12:51	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			26129	05/24/22 09:11	SM	XEN MID
Total/NA	Analysis	8015 NM		1			26136	05/24/22 09:26	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	26030	05/23/22 08:26	DM	XEN MID
Total/NA	Analysis	8015B NM		1			26020	05/23/22 14:02	SM	XEN MID

Lab Chronicle

Client: Ensolum
Project/Site: Ross Draw Unit #034

Job ID: 890-2327-1
SDG: 03A1987018

Client Sample ID: PH13
Date Collected: 05/19/22 14:25
Date Received: 05/20/22 12:36

Lab Sample ID: 890-2327-27
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.01 g	50 mL	26091	05/23/22 11:14	SC	XEN MID
Soluble	Analysis	300.0		1			26235	05/27/22 11:36	SC	XEN MID

Client Sample ID: PH13
Date Collected: 05/19/22 14:30
Date Received: 05/20/22 12:36

Lab Sample ID: 890-2327-28
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	26098	05/23/22 12:18	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	26081	05/24/22 13:12	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			26129	05/24/22 09:11	SM	XEN MID
Total/NA	Analysis	8015 NM		1			26136	05/24/22 09:26	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	26030	05/23/22 08:26	DM	XEN MID
Total/NA	Analysis	8015B NM		1			26020	05/23/22 14:24	SM	XEN MID
Soluble	Leach	DI Leach			4.95 g	50 mL	26091	05/23/22 11:14	SC	XEN MID
Soluble	Analysis	300.0		1			26235	05/27/22 11:45	SC	XEN MID

Client Sample ID: PH14
Date Collected: 05/19/22 14:25
Date Received: 05/20/22 12:36

Lab Sample ID: 890-2327-29
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	26098	05/23/22 12:18	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	26081	05/24/22 13:33	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			26129	05/24/22 09:11	SM	XEN MID
Total/NA	Analysis	8015 NM		1			26136	05/24/22 09:26	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	26030	05/23/22 08:26	DM	XEN MID
Total/NA	Analysis	8015B NM		1			26020	05/23/22 14:46	SM	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	26091	05/23/22 11:14	SC	XEN MID
Soluble	Analysis	300.0		1			26235	05/27/22 11:54	SC	XEN MID

Client Sample ID: PH14
Date Collected: 05/19/22 14:40
Date Received: 05/20/22 12:36

Lab Sample ID: 890-2327-30
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	26098	05/23/22 12:18	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	26081	05/24/22 13:53	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			26129	05/24/22 09:11	SM	XEN MID
Total/NA	Analysis	8015 NM		1			26136	05/24/22 09:26	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	26030	05/23/22 08:26	DM	XEN MID
Total/NA	Analysis	8015B NM		1			26020	05/23/22 15:07	SM	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	26091	05/23/22 11:14	SC	XEN MID
Soluble	Analysis	300.0		1			26235	05/27/22 12:46	SC	XEN MID

Lab Chronicle

Client: Ensolum
Project/Site: Ross Draw Unit #034

Job ID: 890-2327-1
SDG: 03A1987018

Laboratory References:

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

Accreditation/Certification Summary

Client: Ensolum
Project/Site: Ross Draw Unit #034

Job ID: 890-2327-1
SDG: 03A1987018

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-21-22	06-30-22

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: Ensolum
Project/Site: Ross Draw Unit #034

Job ID: 890-2327-1
SDG: 03A1987018

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: Ross Draw Unit #034

Job ID: 890-2327-1
SDG: 03A1987018

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-2327-1	PH01	Solid	05/18/22 10:50	05/20/22 12:36	0.5
890-2327-2	PH01	Solid	05/18/22 10:55	05/20/22 12:36	1
890-2327-3	PH01	Solid	05/18/22 11:10	05/20/22 12:36	4
890-2327-4	PH02	Solid	05/18/22 11:15	05/20/22 12:36	0.5
890-2327-5	PH02	Solid	05/18/22 11:30	05/20/22 12:36	3
890-2327-6	PH02	Solid	05/18/22 11:35	05/20/22 12:36	4
890-2327-7	PH03	Solid	05/18/22 12:05	05/20/22 12:36	0.5
890-2327-8	PH03	Solid	05/18/22 12:15	05/20/22 12:36	1
890-2327-9	PH04	Solid	05/18/22 13:00	05/20/22 12:36	0.5
890-2327-10	PH04	Solid	05/18/22 13:05	05/20/22 12:36	1
890-2327-11	PH05	Solid	05/18/22 13:15	05/20/22 12:36	0.5
890-2327-12	PH05	Solid	05/18/22 13:20	05/20/22 12:36	1
890-2327-13	PH06	Solid	05/18/22 13:25	05/20/22 12:36	0.5
890-2327-14	PH06	Solid	05/18/22 13:30	05/20/22 12:36	1
890-2327-15	PH07	Solid	05/18/22 13:45	05/20/22 12:36	0.5
890-2327-16	PH07	Solid	05/18/22 13:50	05/20/22 12:36	1
890-2327-17	PH08	Solid	05/18/22 14:00	05/20/22 12:36	0.5
890-2327-18	PH08	Solid	05/18/22 14:05	05/20/22 12:36	1
890-2327-19	PH09	Solid	05/18/22 14:10	05/20/22 12:36	0.5
890-2327-20	PH09	Solid	05/18/22 14:15	05/20/22 12:36	1
890-2327-21	PH10	Solid	05/19/22 13:30	05/20/22 12:36	0.5
890-2327-22	PH10	Solid	05/19/22 03:35	05/20/22 12:36	1
890-2327-23	PH11	Solid	05/19/22 13:45	05/20/22 12:36	0.5
890-2327-24	PH11	Solid	05/19/22 13:50	05/20/22 12:36	1
890-2327-25	PH12	Solid	05/19/22 14:05	05/20/22 12:36	0.5
890-2327-26	PH12	Solid	05/19/22 14:10	05/20/22 12:36	1
890-2327-27	PH13	Solid	05/19/22 14:25	05/20/22 12:36	0.5
890-2327-28	PH13	Solid	05/19/22 14:30	05/20/22 12:36	1
890-2327-29	PH14	Solid	05/19/22 14:25	05/20/22 12:36	0.5
890-2327-30	PH14	Solid	05/19/22 14:40	05/20/22 12:36	1

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Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300
Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334
EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

Work Order No: _____

www.xenco.com Page 1 of 3

Project Manager:	Anna Byers	Bill to: (if different)	Jim Raley
Company Name:	Ensolum	Company Name:	~~Devon~~ WPX
Address:	3122 Natl Parks HWY	Address:	5315 Buena Vista Dr.
City, State ZIP:	Carlsbad NM 88220	City, State ZIP:	Carlsbad NM 88220
Phone:	575-200-6754 Email:		abyers@ensolum.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Ross Draw Unit #034	Turn Around	Pres. Code
Project Number:	03A1987018	☒ Routine ☐ Rush	
Project Location:	Eddy County	Due Date:	
Sampler's Name:	LIZ Cheli	TAT starts the day received by the lab, if received by 4:30pm	
PO #:	n/a		

SAMPLE RECEIPT			
Temp Blank:	(Yes) No	Wet Ice:	(Yes) No
Samples Received Intact:	(Yes) No	Thermometer ID:	T-NA007
Cooler Custody Seals:	Yes No N/A	Correction Factor:	-0.2
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	1.6
Total Containers:		Corrected Temperature:	1.4

ANALYSIS REQUEST

Parameters: Chloride (EPA 300.0) | TPH (DRO) | BTEX (8021)

890-2327 Chain of Custody

Preservative Codes

None: NO | DI Water: H_2O
Cool: Cool | MeOH: Me
HCL: HC | HNO_3: HN
H_2SO_4: H_2 | NaOH: Na
H_3PO_4: HP
$NaHSO_4$: NABIS
$Na_2S_2O_3$: NaSO$_3$
Zn Acetate+NaOH: Zn
NaOH+Ascorbic Acid: SAPC

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Sample Comments
PH01	S	5/18/22	10:50	0.5'	G	1	CC#10610939O1
PH01			10:55	1'	G	1	
PH01			11:10	4'	G	1	Incident #'s/RP#
PH02			11:15	0.5'	G	1	2RP-4529
PH02			11:30	3'	G	1	(nAB1736055339)
PH02			11:35	4'	G	1	&
PH03			12:05	0.5'	G	1	nAPP2107554265
PH03			12:15	1'	G	1	
PH04			13:00	0.5'	G	1	
PH04	↓	↓	1305	1'	G	1	

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO_2 Na Sr Tl Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010 : 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U Hg: 1631 / 245.1 / 7470 / 7471

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1		5/20/22 12:30	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

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Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300
Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334
EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

Work Order No: _____

www.xenco.com Page 2 of 3

Project Manager:	Anna Byers	Bill to: (if different)	Jim Raley
Company Name:	Ensolum	Company Name:	~~Devon~~ WPX
Address:	322 Nati Parks HWY	Address:	5315 Buena Vista Dr
City, State ZIP:	Carlsbad NM 88220	City, State ZIP:	Carlsbad NM 88220
Phone:	575-200-6754	Email:	abyers@ensolum.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Ross Draw Unit #034	Turn Around	☒ Routine ☐ Rush
Project Number:	03A1987018	Due Date:	
Project Location:	Eddy County	TAT starts the day received by the lab, if received by 4:30pm	
Sampler's Name:	Liz Chell		
PO #:	n/a		

SAMPLE RECEIPT	Temp Blank:	Yes No	Wet Ice:	Yes No
Samples Received Intact:	Yes No	Thermometer ID:		
Cooler Custody Seals:	Yes No N/A	Correction Factor:	See first page	
Sample Custody Seals:	Yes No N/A	Temperature Reading:		
Total Containers:		Corrected Temperature:		

Preservative Codes

None: NO | DI Water: H_2O
Cool: Cool | MeOH: Me
HCL: HC | HNO_3: HN
H_2SO_4: H_2 | NaOH: Na
H_3PO_4: HP
$NaHSO_4$: NABIS
$Na_2S_2O_3$: $NaSO_3$
Zn Acetate+NaOH: Zn
NaOH+Ascorbic Acid: SAPC

ANALYSIS REQUEST

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Pres. Code	Parameters: Chloride (EPA 300.0)	TPH (8015)	BTEX (8021)	Sample Comments
PH05	S	5/18/22	13:15	0.5'	G	1		X	X	X	CC#1001093901
PH05			13:20	1'	G	1					
PH06			13:25	0.5'	G	1					Incident #s/RP#:
PH06			13:30	1'	G	1					2RP-4529
PH07			1345	0.5'	G	1					(nAB1736855839
PH07			13:50	1'	G	1					&
PH08			14:00	0.5'	G	1					nAPP2187554265
PH08			1405	1'	G	1					
PH09			1410	0.5'	G	1					
PH09			1415	1'	G	1					

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO_2 Na Sr Tl Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010 : 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U Hg: 1631 / 245.1 / 7470 / 7471

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1		5/20/22 12:36	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

eurofins | Environment Testing Xenco

Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300
Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334
EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

Work Order No: _____

www.xenco.com Page 3 of 3

Project Manager:	Anna Byers	Bill to: (if different)	Jim Raley
Company Name:	Ensolum	Company Name:	~~Devon~~ WPX
Address:	3122 Natl. Parks Hwy	Address:	5315 Buena Vista Dr
City, State ZIP:	Carlsbad NM 88220	City, State ZIP:	Carlsbad NM 88220
Phone:	575-200-6754	Email:	abyers@ensolum.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Ross Draw Unit H03	Turn Around	
Project Number:	03A1927018	☒ Routine ☐ Rush	
Project Location:	Eddy County	Due Date:	
Sampler's Name:	Liz Chell	TAT starts the day received by the lab, if received by 4:30pm	
PO #:	n/a		

SAMPLE RECEIPT			
Temp Blank:	Yes No	Wet Ice:	Yes No
Samples Received Intact:	Yes No	Thermometer ID:	
Cooler Custody Seals:	Yes No N/A	Correction Factor:	See first page
Sample Custody Seals:	~~Yes~~ No N/A	Temperature Reading:	
Total Containers:		Corrected Temperature:	

Preservative Codes

None: NO | DI Water: H_2O
Cool: Cool | MeOH: Me
HCL: HC | HNO_3: HN
H_2SO_4: H_2 | NaOH: Na
H_3PO_4: HP
$NaHSO_4$: NABIS
$Na_2S_2O_3$: NaSO$_3$
Zn Acetate+NaOH: Zn
NaOH+Ascorbic Acid: SAPC

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Pres. Code	Parameters: Chloride (EPA 300.0)	TPH (8015)	BTEX (8021)	Sample Comments
PH10	S	5/19/22	1330	0.5'	G	1		X	X	X	CC#10610939O1
PH10			1335	1'							
PH11			1345	0.5'							Incident#s/RP#:
PH11			1350	1'							2RP-4529
PH12			1405	0.5'							(nAB1736055339)
PH12			1410	1'							&
PH13			1425	0.5'							nAPP2107554265
PH13			1430	1'							
PH14			1435	0.5'							
PH14			1440	1'							

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO_2 Na Sr Tl Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010 : 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U Hg: 1631 / 245.1 / 7470 / 7471

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of $85.00 will be applied to each project and a charge of $5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1		5/20/22 12:37			
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

Eurofins Carlsbad
1089 N Canal St
Carlsbad, NM 88220
Phone. 575-988-3199 Fax 575-988-3199

Chain of Custody Record

eurofins | Environment Testing America

Client Information (Sub Contract Lab)	Sampler	Lab PM: Kramer, Jessica	Carrier Tracking No(s)	COC No: 890-764 1
Client Contact: Shipping/Receiving	Phone	E-Mail: Jessica Kramer@et.eurofinsus com	State of Origin: New Mexico	Page: Page 1 of 4
Company: Eurofins Environment Testing South Centr		Accreditations Required (See note): NELAP - Texas		Job #: 890-2327-1
Address: 1211 W Florida Ave	Due Date Requested: 5/26/2022			
City: Midland	TAT Requested (days):			
State, Zip: TX, 79701				
Phone: 432-704-5440(Tel)	PO #:			
Email	WO #:			
Project Name: Ross Draw Unit #034	Project #: 89000084			
Site	SSOW#:			

Analysis Requested

Preservation Codes

A HCL, B NaOH, C Zn Acetate, D Nitric Acid, E NaHSO4, F MeOH, G Amchlor, H Ascorbic Acid, I Ice, J DI Water, K EDTA, L EDA, M Hexane, N None, O AsNaO2, P Na2O4S, Q Na2SO3, R Na2S2O3, S H2SO4, T TSP Dodecahydrate, U Acetone, V MCAA, W pH 4-5, Y Trizma, Z other (specify)
Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8016MOD_Calc	8015MOD_NM/8015NM_S_Prep Full TPH	300_ORGFM_28D/DI_LEACH Chloride	8021B/5035FP_Calc BTEX	Total_BTEX_GCV	Total Number of containers	Special Instructions/Note
			Preservation Code:										
PH01 (890-2327-1)	5/18/22	10 50 Mountain		Solid			X	X	X	X	X	1	
PH01 (890-2327-2)	5/18/22	10 55 Mountain		Solid			X	X	X	X	X	1	
PH01 (890-2327-3)	5/18/22	11 10 Mountain		Solid			X	X	X	X	X	1	
PH02 (890-2327-4)	5/18/22	11 15 Mountain		Solid			X	X	X	X	X	1	
PH02 (890-2327-5)	5/18/22	11 30 Mountain		Solid			X	X	X	X	X	1	
PH02 (890-2327-6)	5/18/22	11 35 Mountain		Solid			X	X	X	X	X	1	
PH03 (890-2327-7)	5/18/22	12 05 Mountain		Solid			X	X	X	X	X	1	
PH03 (890-2327-8)	5/18/22	12 15 Mountain		Solid			X	X	X	X	X	1	
PH04 (890-2327-9)	5/18/22	13 00 Mountain		Solid			X	X	X	X	X	1	

Note Since laboratory accreditations are subject to change Eurofins Environment Testing South Central LLC places the ownership of method analyte & accreditation compliance upon out subcontract laboratories This sample shipment is forwarded under chain-of-custody If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central LLC 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.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested I II III IV Other (specify) Primary Deliverable Rank. 2	Special Instructions/QC Requirements

Empty Kit Relinquished by	Date	Time	Method of Shipment:

Relinquished by: N Olivas 5.20.22	Date/Time:	Company	Received by: [signature]	Date/Time: 5/23/22 800	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time	Company	Received by:	Date/Time	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks: 2 1/1 9

Ver: 06/08/2021

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220
Phone 575-988-3199 Fax 575-988-3199

Chain of Custody Record

eurofins | Environment Testing America

Client Information (Sub Contract Lab)	Sampler	Lab PM: Kramer Jessica	Carrier Tracking No(s):	COC No: 890-764 2
Client Contact: Shipping/Receiving	Phone	E-Mail: Jessica Kramer@et.eurofinsus com	State of Origin: New Mexico	Page: Page 2 of 4
Company: Eurofins Environment Testing South Centr		Accreditations Required (See note): NELAP - Texas		Job #: 890-2327-1
Address: 1211 W Florida Ave, ,	Due Date Requested: 5/26/2022			
City: Midland	TAT Requested (days)			
State Zip: TX 79701				
Phone: 432-704-5440(Tel)	PO #			
Email	WO #			
Project Name: Ross Draw Unit #034	Project #: 89000084			
Site	SSOW#:			

Analysis Requested

Preservation Codes

A HCL, B NaOH, C Zn Acetate, D Nitric Acid, E NaHSO4, F MeOH, G Amchlor, H Ascorbic Acid, I Ice, J DI Water, K EDTA, L EDA, M Hexane, N None, O AsNaO2, P Na2O4S, Q Na2SO3, R Na2S2O3, S H2SO4, T TSP Dodecahydrate, U Acetone, V MCAA, W pH 4-5, Y Trizma, Z other (specify)

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8015MOD_Calc	8015MOD_NM/8015NM_S_Prep Full TPH	300_ORGFM_28D/DI_LEACH Chloride	8021B/5035FP_Calc BTEX	Total_BTEX_GCV	Total Number of containers	Special Instructions/Note:
			Preservation Code:										
PH04 (890-2327-10)	5/18/22	13 05 Mountain		Solid			X	X	X	X	X	1	
PH05 (890-2327-11)	5/18/22	13 15 Mountain		Solid			X	X	X	X	X	1	
PH05 (890-2327-12)	5/18/22	13 20 Mountain		Solid			X	X	X	X	X	1	
PH06 (890-2327-13)	5/18/22	13 25 Mountain		Solid			X	X	X	X	X	1	
PH06 (890-2327-14)	5/18/22	13 30 Mountain		Solid			X	X	X	X	X	1	
PH07 (890-2327-15)	5/18/22	13 45 Mountain		Solid			X	X	X	X	X	1	
PH07 (890-2327-16)	5/18/22	13 50 Mountain		Solid			X	X	X	X	X	1	
PH08 (890-2327-17)	5/18/22	14 00 Mountain		Solid			X	X	X	X	X	1	
PH08 (890-2327-18)	5/18/22	14 05 Mountain		Solid			X	X	X	X	X	1	

Note Since laboratory accreditations are subject to change Eurofins Environment Testing South Central LLC places the ownership of method analyte & accreditation compliance upon out subcontract laboratories This sample shipment is forwarded under chain-of-custody If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central LLC 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.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested I II III IV Other (specify) Primary Deliverable Rank 2	Special Instructions/QC Requirements

Empty Kit Relinquished by	Date	Time	Method of Shipment:
Relinquished by: N Divas 5-20 22	Date/Time:	Company	Received by: JKramer Date/Time: Company
Relinquished by:	Date/Time	Company	Received by: Date/Time. Company
Relinquished by:	Date/Time.	Company	Received by: Date/Time. Company

Custody Seals Intact. Δ Yes Δ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks.

Ver 06/08/2021

Eurofins Carlsbad
1089 N Canal St
Carlsbad NM 88220
Phone. 575-988-3199 Fax 575-988-3199

Chain of Custody Record

eurofins | Environment Testing America

Client Information (Sub Contract Lab)	Sampler	Lab PM: Kramer Jessica	Carrier Tracking No(s)	COC No: 890-764 3
Client Contact: Shipping/Receiving	Phone	E-Mail: Jessica Kramer@et.eurofinsus com	State of Origin: New Mexico	Page: Page 3 of 4
Company: Eurofins Environment Testing South Centr		Accreditations Required (See note): NELAP - Texas		Job #: 890-2327-1
Address: 1211 W Florida Ave	Due Date Requested: 5/26/2022			
City: Midland	TAT Requested (days):			
State Zip: TX, 79701				
Phone: 432-704-5440(Tel)	PO #:			
Email	WO #:			
Project Name: Ross Draw Unit #034	Project #: 89000084			
Site	SSOW#:			

Analysis Requested

Preservation Codes

A HCL, B NaOH, C Zn Acetate, D Nitric Acid, E NaHSO4, F - MeOH, G Amchlor, H - Ascorbic Acid, I Ice, J DI Water, K EDTA, L EDA, M Hexane, N None, O AsNaO2, P Na2O4S, Q Na2SO3, R Na2S2O3, S H2SO4, T TSP Dodecahydrate, U Acetone, V MCAA, W pH 4-5, Y Trizma, Z other (specify)

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8016MOD_Calc	8015MOD_NM/8015NM_S_Prep Full TPH	300_ORGFM_28D/DI_LEACH Chloride	8021B/5035FP_Calc BTEX	Total_BTEX_GCV	Total Number of containers	Special Instructions/Note:
			Preservation Code:										
PH09 (890-2327-19)	5/18/22	14 10 Mountain		Solid			X	X	X	X	X	1	
PH09 (890-2327-20)	5/18/22	14 15 Mountain		Solid			X	X	X	X	X	1	
PH10 (890-2327-21)	5/19/22	13 30 Mountain		Solid			X	X	X	X	X	1	
PH10 (890-2327-22)	5/19/22	03 35 Mountain		Solid			X	X	X	X	X	1	
PH11 (890-2327-23)	5/19/22	13 45 Mountain		Solid			X	X	X	X	X	1	
PH11 (890-2327-24)	5/19/22	13 50 Mountain		Solid			X	X	X	X	X	1	
PH12 (890-2327-25)	5/19/22	14 05 Mountain		Solid			X	X	X	X	X	1	
PH12 (890-2327-26)	5/19/22	14 10 Mountain		Solid			X	X	X	X	X	1	
PH13 (890-2327-27)	5/19/22	14 25 Mountain		Solid			X	X	X	X	X	1	

Note: Since laboratory accreditations are subject to change Eurofins Environment Testing South Central LLC places the ownership of method analyte & accreditation compliance upon out subcontract laboratories This sample shipment is forwarded under chain-of-custody If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central LLC 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.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested I II III IV Other (specify) Primary Deliverable Rank 2	Special Instructions/QC Requirements

Empty Kit Relinquished by	Date	Time	Method of Shipment:
Relinquished by: N Olivas 5.20.22	Date/Time:	Company	Received by: Kramer
Relinquished by:	Date/Time	Company	Received by: Date/Time Company
Relinquished by:	Date/Time	Company	Received by: Date/Time Company

Custody Seals Intact. Δ Yes Δ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks.

Ver: 06/08/2021

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220
Phone: 575-988-3199 Fax: 575-988-3199

Chain of Custody Record

eurofins | Environment Testing America

Client Information (Sub Contract Lab)	Sampler	Lab PM: Kramer Jessica	Carrier Tracking No(s)	COC No: 890-764 4
Client Contact: Shipping/Receiving	Phone:	E-Mail: Jessica Kramer@et.eurofinsus com	State of Origin: New Mexico	Page: Page 4 of 4
Company: Eurofins Environment Testing South Centr		Accreditations Required (See note): NELAP - Texas		Job #: 890-2327-1
Address: 1211 W Florida Ave	Due Date Requested: 5/26/2022			
City: Midland	TAT Requested (days):			
State Zip: TX, 79701				
Phone: 432-704-5440(Tel)	PO #:			
Email	WO #:			
Project Name: Ross Draw Unit #034	Project #: 89000084			
Site	SSOW#:			

Analysis Requested

Preservation Codes

A HCL, B NaOH, C Zn Acetate, D Nitric Acid, E NaHSO4, F MeOH, G Amchlor, H Ascorbic Acid, I Ice, J DI Water, K EDTA, L EDA, M Hexane, N None, O AsNaO2, P Na2O4S, Q Na2SO3, R - Na2S2O3, S H2SO4, T TSP Dodecahydrate, U Acetone, V MCAA, W pH 4-5, Y Trizma, Z other (specify)

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8015MOD_Calc	8015MOD_NM/8015NM_S_Prep Full TPH	300_ORGFM_28D/DI_LEACH Chloride	8021B/5035FP_Calc BTEX	Total_BTEX_GCV	Total Number of containers	Special Instructions/Note
			Preservation Code:										
PH13 (890-2327-28)	5/19/22	14 30 Mountain		Solid			X	X	X	X	X	1	
PH14 (890-2327-29)	5/19/22	14 25 Mountain		Solid			X	X	X	X	X	1	
PH14 (890-2327-30)	5/19/22	14 40 Mountain		Solid			X	X	X	X	X	1	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central LLC places the ownership of method analyte & accreditation compliance upon out subcontract laboratories This sample shipment is forwarded under chain-of-custody If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed the samples must be shipped back to the Eurofins Environment Testing South Central LLC 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.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested I II III IV Other (specify) Primary Deliverable Rank 2	Special Instructions/QC Requirements

Empty Kit Relinquished by	Date	Time	Method of Shipment:
Relinquished by: N Olivas 5:20:22	Date/Time	Company	Received by: Kramer — Date/Time	Company
Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Relinquished by	Date/Time:	Company	Received by	Date/Time	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks.

Ver: 06/08/2021

Login Sample Receipt Checklist

Client: Ensolum

Job Number: 890-2327-1
SDG Number: 03A1987018

Login Number: 2327
List Number: 1
Creator: Olivas, Nathaniel

List Source: Eurofins Carlsbad

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

Login Sample Receipt Checklist

Client: Ensolum

Job Number: 890-2327-1
SDG Number: 03A1987018

Login Number: 2327
List Number: 2
Creator: Kramer, Jessica

List Source: Eurofins Midland
List Creation: 05/23/22 08:18 AM

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	2.1/1.9
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

eurofins | Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 890-2328-1
Laboratory Sample Delivery Group: 03A197018
Client Project/Site: ROSS DRAW UNIT #034

For:
Ensolum
705 W. Wadley
Suite 210
Midland, Texas 79701

Attn: Anna Byers

JKramer

Authorized for release by:
5/31/2022 8:08:35 AM

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.

Client: Ensolum
Project/Site: ROSS DRAW UNIT #034

Laboratory Job ID: 890-2328-1
SDG: 03A197018

Table of Contents

Definitions/Glossary

Client: Ensolum Job ID: 890-2328-1
Project/Site: ROSS DRAW UNIT #034 SDG: 03A197018

Qualifiers

GC VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery 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
*1	LCS/LCSD RPD exceeds control limits.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

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

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
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: ROSS DRAW UNIT #034

Job ID: 890-2328-1
SDG: 03A197018

Job ID: 890-2328-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative
890-2328-1

Receipt
The samples were received on 5/20/2022 12:35 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.4°C

GC VOA
Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-26102 and analytical batch 880-26017 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8021B: Surrogate recovery for the following sample was outside control limits: (LCS 880-25990/1-A). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Surrogate recovery for the following sample was outside control limits: (890-2327-A-1-H). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Surrogate recovery for the following sample was outside control limits: BH02 (890-2328-3). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Surrogate recovery for the following sample was outside control limits: BH03 (890-2328-5). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

GC Semi VOA
Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (890-2327-A-21-A). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 880-26030 and analytical batch 880-26020 recovered outside control limits for the following analytes: Gasoline Range Organics (GRO)-C6-C10. The MS/MSD RPD passes therefore shows recovery for the batch.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (LCS 880-26031/2-A), (LCSD 880-26031/3-A) and (MB 880-26031/1-A). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: BH01 (890-2328-1). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: BH02 (890-2328-3) and BH02 (890-2328-4). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: BH05 (890-2328-9). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: BH06 (890-2328-11), BH06 (890-2328-12), BH07 (890-2328-13) and BH07 (890-2328-14). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: BH09 (890-2328-18) and BH09 (890-2328-19). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Case Narrative

Client: Ensolum
Project/Site: ROSS DRAW UNIT #034

Job ID: 890-2328-1
SDG: 03A197018

Job ID: 890-2328-1 (Continued)

Laboratory: Eurofins Carlsbad (Continued)

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

HPLC/IC

Method 300_ORGFM_28D: The laboratory control sample (LCS) associated with preparation batch 880-26108 and analytical batch 880-26223 was outside acceptance criteria. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

Method 300_ORGFM_28D: The matrix spike (MS) recoveries for preparation batch 880-26091 and analytical batch 880-26235 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.The associated samples are: BH01 (890-2328-1), BH01 (890-2328-2), BH02 (890-2328-3) and BH02 (890-2328-4).

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

Client Sample Results

Client: Ensolum
Project/Site: ROSS DRAW UNIT #034

Job ID: 890-2328-1
SDG: 03A197018

Client Sample ID: BH01

Lab Sample ID: 890-2328-1
Matrix: Solid
Date Collected: 05/19/22 09:05
Date Received: 05/20/22 12:35
Sample Depth: 1

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/23/22 15:46	05/24/22 01:47	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/23/22 15:46	05/24/22 01:47	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/23/22 15:46	05/24/22 01:47	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		05/23/22 15:46	05/24/22 01:47	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/23/22 15:46	05/24/22 01:47	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/23/22 15:46	05/24/22 01:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*128*		*70 - 130*	*05/23/22 15:46*	*05/24/22 01:47*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*05/23/22 15:46*	*05/24/22 01:47*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			05/24/22 11:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			05/24/22 09:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/23/22 08:26	05/23/22 11:08	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/23/22 08:26	05/23/22 11:08	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/23/22 08:26	05/23/22 11:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*115*		*70 - 130*	*05/23/22 08:26*	*05/23/22 11:08*	*1*
o-Terphenyl	*136*	*S1+*	*70 - 130*	*05/23/22 08:26*	*05/23/22 11:08*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**3810**		25.0		mg/Kg			05/27/22 12:55	5

Client Sample ID: BH01

Lab Sample ID: 890-2328-2
Matrix: Solid
Date Collected: 05/19/22 09:30
Date Received: 05/20/22 12:35
Sample Depth: 4.5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		05/23/22 13:00	05/24/22 02:12	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/23/22 13:00	05/24/22 02:12	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/23/22 13:00	05/24/22 02:12	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/23/22 13:00	05/24/22 02:12	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/23/22 13:00	05/24/22 02:12	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/23/22 13:00	05/24/22 02:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*129*		*70 - 130*	*05/23/22 13:00*	*05/24/22 02:12*	*1*

Eurofins Carlsbad

Client Sample Results

Client: Ensolum
Project/Site: ROSS DRAW UNIT #034

Job ID: 890-2328-1
SDG: 03A197018

Client Sample ID: BH01

Lab Sample ID: 890-2328-2
Matrix: Solid

Date Collected: 05/19/22 09:30
Date Received: 05/20/22 12:35
Sample Depth: 4.5

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*	*05/23/22 13:00*	*05/24/22 02:12*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			05/24/22 11:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			05/24/22 09:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		05/23/22 08:26	05/23/22 12:13	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/23/22 08:26	05/23/22 12:13	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/23/22 08:26	05/23/22 12:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*112*		*70 - 130*	*05/23/22 08:26*	*05/23/22 12:13*	*1*
o-Terphenyl	*130*		*70 - 130*	*05/23/22 08:26*	*05/23/22 12:13*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2430**		25.2		mg/Kg			05/27/22 13:04	5

Client Sample ID: BH02

Lab Sample ID: 890-2328-3
Matrix: Solid

Date Collected: 05/19/22 09:35
Date Received: 05/20/22 12:35
Sample Depth: 1

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		05/23/22 13:00	05/24/22 02:38	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/23/22 13:00	05/24/22 02:38	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/23/22 13:00	05/24/22 02:38	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/23/22 13:00	05/24/22 02:38	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/23/22 13:00	05/24/22 02:38	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/23/22 13:00	05/24/22 02:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*133*	*S1+*	*70 - 130*	*05/23/22 13:00*	*05/24/22 02:38*	*1*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*05/23/22 13:00*	*05/24/22 02:38*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			05/24/22 11:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			05/24/22 09:49	1

Client Sample Results

Client: Ensolum
Project/Site: ROSS DRAW UNIT #034

Job ID: 890-2328-1
SDG: 03A197018

Client Sample ID: BH02

Date Collected: 05/19/22 09:35
Date Received: 05/20/22 12:35
Sample Depth: 1

Lab Sample ID: 890-2328-3
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		05/23/22 08:26	05/23/22 12:35	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/23/22 08:26	05/23/22 12:35	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/23/22 08:26	05/23/22 12:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*121*		*70 - 130*	*05/23/22 08:26*	*05/23/22 12:35*	*1*
o-Terphenyl	*138*	*S1+*	*70 - 130*	*05/23/22 08:26*	*05/23/22 12:35*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**76.2**		5.00		mg/Kg			05/27/22 13:13	1

Client Sample ID: BH02

Date Collected: 05/19/22 10:00
Date Received: 05/20/22 12:35
Sample Depth: 4.5

Lab Sample ID: 890-2328-4
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/23/22 13:00	05/24/22 03:04	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/23/22 13:00	05/24/22 03:04	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/23/22 13:00	05/24/22 03:04	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/23/22 13:00	05/24/22 03:04	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/23/22 13:00	05/24/22 03:04	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/23/22 13:00	05/24/22 03:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*126*		*70 - 130*	*05/23/22 13:00*	*05/24/22 03:04*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*05/23/22 13:00*	*05/24/22 03:04*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			05/24/22 11:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			05/24/22 09:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		05/23/22 08:26	05/23/22 12:56	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/23/22 08:26	05/23/22 12:56	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/23/22 08:26	05/23/22 12:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*124*		*70 - 130*	*05/23/22 08:26*	*05/23/22 12:56*	*1*
o-Terphenyl	*135*	*S1+*	*70 - 130*	*05/23/22 08:26*	*05/23/22 12:56*	*1*

Client Sample Results

Client: Ensolum
Project/Site: ROSS DRAW UNIT #034

Job ID: 890-2328-1
SDG: 03A197018

Client Sample ID: BH02

Lab Sample ID: 890-2328-4
Matrix: Solid
Date Collected: 05/19/22 10:00
Date Received: 05/20/22 12:35
Sample Depth: 4.5

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	162		4.96		mg/Kg			05/27/22 13:23	1

Client Sample ID: BH03

Lab Sample ID: 890-2328-5
Matrix: Solid
Date Collected: 05/19/22 10:05
Date Received: 05/20/22 12:35
Sample Depth: 1

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/23/22 13:00	05/24/22 03:30	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/23/22 13:00	05/24/22 03:30	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/23/22 13:00	05/24/22 03:30	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		05/23/22 13:00	05/24/22 03:30	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/23/22 13:00	05/24/22 03:30	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		05/23/22 13:00	05/24/22 03:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*136*	*S1+*	*70 - 130*	*05/23/22 13:00*	*05/24/22 03:30*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*05/23/22 13:00*	*05/24/22 03:30*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			05/24/22 11:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			05/24/22 09:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/23/22 08:26	05/23/22 13:18	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/23/22 08:26	05/23/22 13:18	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/23/22 08:26	05/23/22 13:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*90*		*70 - 130*	*05/23/22 08:26*	*05/23/22 13:18*	*1*
o-Terphenyl	*97*		*70 - 130*	*05/23/22 08:26*	*05/23/22 13:18*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	201		4.95		mg/Kg			05/27/22 13:32	1

Client Sample Results

Client: Ensolum
Project/Site: ROSS DRAW UNIT #034

Job ID: 890-2328-1
SDG: 03A197018

Client Sample ID: BH03

Lab Sample ID: 890-2328-6
Matrix: Solid
Date Collected: 05/19/22 10:20
Date Received: 05/20/22 12:35
Sample Depth: 4.5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/23/22 15:02	05/24/22 00:39	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/23/22 15:02	05/24/22 00:39	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/23/22 15:02	05/24/22 00:39	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		05/23/22 15:02	05/24/22 00:39	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/23/22 15:02	05/24/22 00:39	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		05/23/22 15:02	05/24/22 00:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*	*05/23/22 15:02*	*05/24/22 00:39*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*05/23/22 15:02*	*05/24/22 00:39*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			05/24/22 11:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			05/24/22 09:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		05/23/22 08:26	05/23/22 13:40	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/23/22 08:26	05/23/22 13:40	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/23/22 08:26	05/23/22 13:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*106*		*70 - 130*	*05/23/22 08:26*	*05/23/22 13:40*	*1*
o-Terphenyl	*118*		*70 - 130*	*05/23/22 08:26*	*05/23/22 13:40*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**932**		5.04		mg/Kg			05/27/22 13:59	1

Client Sample ID: BH04

Lab Sample ID: 890-2328-7
Matrix: Solid
Date Collected: 05/19/22 10:25
Date Received: 05/20/22 12:35
Sample Depth: 1

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/23/22 15:02	05/24/22 01:00	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/23/22 15:02	05/24/22 01:00	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/23/22 15:02	05/24/22 01:00	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/23/22 15:02	05/24/22 01:00	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/23/22 15:02	05/24/22 01:00	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/23/22 15:02	05/24/22 01:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*117*		*70 - 130*	*05/23/22 15:02*	*05/24/22 01:00*	*1*

Client Sample Results

Client: Ensolum
Project/Site: ROSS DRAW UNIT #034

Job ID: 890-2328-1
SDG: 03A197018

Client Sample ID: BH04

Date Collected: 05/19/22 10:25
Date Received: 05/20/22 12:35
Sample Depth: 1

Lab Sample ID: 890-2328-7
Matrix: Solid

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*05/23/22 15:02*	*05/24/22 01:00*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			05/24/22 11:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			05/24/22 09:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		05/23/22 08:26	05/23/22 14:02	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/23/22 08:26	05/23/22 14:02	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/23/22 08:26	05/23/22 14:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*108*		*70 - 130*	*05/23/22 08:26*	*05/23/22 14:02*	*1*
o-Terphenyl	*118*		*70 - 130*	*05/23/22 08:26*	*05/23/22 14:02*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**19.9**		4.99		mg/Kg			05/27/22 14:09	1

Client Sample ID: BH04

Date Collected: 05/19/22 10:40
Date Received: 05/20/22 12:35
Sample Depth: 4.5

Lab Sample ID: 890-2328-8
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		05/23/22 15:02	05/24/22 01:20	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/23/22 15:02	05/24/22 01:20	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/23/22 15:02	05/24/22 01:20	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/23/22 15:02	05/24/22 01:20	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/23/22 15:02	05/24/22 01:20	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/23/22 15:02	05/24/22 01:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*120*		*70 - 130*	*05/23/22 15:02*	*05/24/22 01:20*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*05/23/22 15:02*	*05/24/22 01:20*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			05/24/22 11:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			05/24/22 09:49	1

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Client Sample Results

Client: Ensolum
Project/Site: ROSS DRAW UNIT #034

Job ID: 890-2328-1
SDG: 03A197018

Client Sample ID: BH04

Lab Sample ID: 890-2328-8
Matrix: Solid
Date Collected: 05/19/22 10:40
Date Received: 05/20/22 12:35
Sample Depth: 4.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/23/22 08:26	05/23/22 14:24	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/23/22 08:26	05/23/22 14:24	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/23/22 08:26	05/23/22 14:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*106*		*70 - 130*	*05/23/22 08:26*	*05/23/22 14:24*	*1*
o-Terphenyl	*119*		*70 - 130*	*05/23/22 08:26*	*05/23/22 14:24*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**416**		4.98		mg/Kg			05/27/22 14:36	1

Client Sample ID: BH05

Lab Sample ID: 890-2328-9
Matrix: Solid
Date Collected: 05/19/22 10:45
Date Received: 05/20/22 12:35
Sample Depth: 1

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		05/23/22 15:02	05/24/22 01:40	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/23/22 15:02	05/24/22 01:40	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/23/22 15:02	05/24/22 01:40	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		05/23/22 15:02	05/24/22 01:40	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/23/22 15:02	05/24/22 01:40	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/23/22 15:02	05/24/22 01:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*119*		*70 - 130*	*05/23/22 15:02*	*05/24/22 01:40*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*05/23/22 15:02*	*05/24/22 01:40*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			05/24/22 11:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			05/24/22 09:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/23/22 08:26	05/23/22 14:46	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/23/22 08:26	05/23/22 14:46	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/23/22 08:26	05/23/22 14:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*123*		*70 - 130*	*05/23/22 08:26*	*05/23/22 14:46*	*1*
o-Terphenyl	*133*	*S1+*	*70 - 130*	*05/23/22 08:26*	*05/23/22 14:46*	*1*

Client Sample Results

Client: Ensolum
Project/Site: ROSS DRAW UNIT #034

Job ID: 890-2328-1
SDG: 03A197018

Client Sample ID: BH05

Lab Sample ID: 890-2328-9
Matrix: Solid
Date Collected: 05/19/22 10:45
Date Received: 05/20/22 12:35
Sample Depth: 1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	14.2		4.96		mg/Kg			05/27/22 14:46	1

Client Sample ID: BH05

Lab Sample ID: 890-2328-10
Matrix: Solid
Date Collected: 05/19/22 11:00
Date Received: 05/20/22 12:35
Sample Depth: 4.5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		05/23/22 15:02	05/24/22 02:01	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/23/22 15:02	05/24/22 02:01	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/23/22 15:02	05/24/22 02:01	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/23/22 15:02	05/24/22 02:01	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/23/22 15:02	05/24/22 02:01	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/23/22 15:02	05/24/22 02:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*117*		*70 - 130*	*05/23/22 15:02*	*05/24/22 02:01*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*05/23/22 15:02*	*05/24/22 02:01*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			05/24/22 11:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			05/24/22 09:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/23/22 08:26	05/23/22 15:07	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/23/22 08:26	05/23/22 15:07	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/23/22 08:26	05/23/22 15:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*112*		*70 - 130*	*05/23/22 08:26*	*05/23/22 15:07*	*1*
o-Terphenyl	*126*		*70 - 130*	*05/23/22 08:26*	*05/23/22 15:07*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	46.2		5.00		mg/Kg			05/27/22 14:55	1

Client Sample Results

Client: Ensolum
Project/Site: ROSS DRAW UNIT #034

Job ID: 890-2328-1
SDG: 03A197018

Client Sample ID: BH06

Lab Sample ID: 890-2328-11
Matrix: Solid
Date Collected: 05/19/22 11:05
Date Received: 05/20/22 12:35
Sample Depth: 1

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/23/22 15:02	05/24/22 02:21	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/23/22 15:02	05/24/22 02:21	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/23/22 15:02	05/24/22 02:21	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		05/23/22 15:02	05/24/22 02:21	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/23/22 15:02	05/24/22 02:21	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/23/22 15:02	05/24/22 02:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*123*		*70 - 130*	*05/23/22 15:02*	*05/24/22 02:21*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*05/23/22 15:02*	*05/24/22 02:21*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			05/24/22 11:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			05/24/22 09:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/23/22 08:26	05/23/22 16:13	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/23/22 08:26	05/23/22 16:13	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/23/22 08:26	05/23/22 16:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*119*		*70 - 130*	*05/23/22 08:26*	*05/23/22 16:13*	*1*
o-Terphenyl	*142*	*S1+*	*70 - 130*	*05/23/22 08:26*	*05/23/22 16:13*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**22.9**		4.99		mg/Kg			05/27/22 15:04	1

Client Sample ID: BH06

Lab Sample ID: 890-2328-12
Matrix: Solid
Date Collected: 05/19/22 11:20
Date Received: 05/20/22 12:35
Sample Depth: 4.5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		05/23/22 15:02	05/24/22 02:42	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/23/22 15:02	05/24/22 02:42	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/23/22 15:02	05/24/22 02:42	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/23/22 15:02	05/24/22 02:42	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/23/22 15:02	05/24/22 02:42	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/23/22 15:02	05/24/22 02:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*119*		*70 - 130*	*05/23/22 15:02*	*05/24/22 02:42*	*1*

Client Sample Results

Client: Ensolum
Project/Site: ROSS DRAW UNIT #034

Job ID: 890-2328-1
SDG: 03A197018

Client Sample ID: BH06

Lab Sample ID: 890-2328-12
Matrix: Solid
Date Collected: 05/19/22 11:20
Date Received: 05/20/22 12:35
Sample Depth: 4.5

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*05/23/22 15:02*	*05/24/22 02:42*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			05/24/22 11:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			05/24/22 09:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/23/22 08:26	05/23/22 16:34	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/23/22 08:26	05/23/22 16:34	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/23/22 08:26	05/23/22 16:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*136*	*S1+*	*70 - 130*	*05/23/22 08:26*	*05/23/22 16:34*	*1*
o-Terphenyl	*155*	*S1+*	*70 - 130*	*05/23/22 08:26*	*05/23/22 16:34*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**38.0**		5.03		mg/Kg			05/27/22 15:13	1

Client Sample ID: BH07

Lab Sample ID: 890-2328-13
Matrix: Solid
Date Collected: 05/19/22 11:25
Date Received: 05/20/22 12:35
Sample Depth: 1

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/23/22 15:02	05/24/22 04:04	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/23/22 15:02	05/24/22 04:04	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/23/22 15:02	05/24/22 04:04	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		05/23/22 15:02	05/24/22 04:04	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/23/22 15:02	05/24/22 04:04	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/23/22 15:02	05/24/22 04:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*120*		*70 - 130*	*05/23/22 15:02*	*05/24/22 04:04*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*05/23/22 15:02*	*05/24/22 04:04*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			05/24/22 11:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			05/24/22 09:49	1

Client Sample Results

Client: Ensolum
Project/Site: ROSS DRAW UNIT #034

Job ID: 890-2328-1
SDG: 03A197018

Client Sample ID: BH07

Date Collected: 05/19/22 11:25
Date Received: 05/20/22 12:35
Sample Depth: 1

Lab Sample ID: 890-2328-13
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		05/23/22 08:26	05/23/22 16:56	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/23/22 08:26	05/23/22 16:56	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/23/22 08:26	05/23/22 16:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*118*		*70 - 130*	*05/23/22 08:26*	*05/23/22 16:56*	*1*
o-Terphenyl	*138*	*S1+*	*70 - 130*	*05/23/22 08:26*	*05/23/22 16:56*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**23.0**		5.00		mg/Kg			05/27/22 15:22	1

Client Sample ID: BH07

Date Collected: 05/19/22 11:40
Date Received: 05/20/22 12:35
Sample Depth: 4.5

Lab Sample ID: 890-2328-14
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		05/23/22 15:02	05/24/22 04:24	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/23/22 15:02	05/24/22 04:24	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/23/22 15:02	05/24/22 04:24	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/23/22 15:02	05/24/22 04:24	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/23/22 15:02	05/24/22 04:24	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/23/22 15:02	05/24/22 04:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*	*05/23/22 15:02*	*05/24/22 04:24*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*05/23/22 15:02*	*05/24/22 04:24*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			05/24/22 11:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			05/24/22 09:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		05/23/22 08:26	05/23/22 17:17	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/23/22 08:26	05/23/22 17:17	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/23/22 08:26	05/23/22 17:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*115*		*70 - 130*	*05/23/22 08:26*	*05/23/22 17:17*	*1*
o-Terphenyl	*131*	*S1+*	*70 - 130*	*05/23/22 08:26*	*05/23/22 17:17*	*1*

Client Sample Results

Client: Ensolum
Project/Site: ROSS DRAW UNIT #034

Job ID: 890-2328-1
SDG: 03A197018

Client Sample ID: BH07

Lab Sample ID: 890-2328-14
Matrix: Solid
Date Collected: 05/19/22 11:40
Date Received: 05/20/22 12:35
Sample Depth: 4.5

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	14.2		4.98		mg/Kg			05/27/22 15:32	1

Client Sample ID: BH08

Lab Sample ID: 890-2328-15
Matrix: Solid
Date Collected: 05/19/22 11:45
Date Received: 05/20/22 12:35
Sample Depth: 1

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		05/23/22 15:02	05/24/22 04:44	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/23/22 15:02	05/24/22 04:44	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/23/22 15:02	05/24/22 04:44	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/23/22 15:02	05/24/22 04:44	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/23/22 15:02	05/24/22 04:44	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/23/22 15:02	05/24/22 04:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*	*05/23/22 15:02*	*05/24/22 04:44*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*05/23/22 15:02*	*05/24/22 04:44*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			05/24/22 11:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			05/24/22 09:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/23/22 08:26	05/23/22 17:39	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/23/22 08:26	05/23/22 17:39	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/23/22 08:26	05/23/22 17:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*110*		*70 - 130*	*05/23/22 08:26*	*05/23/22 17:39*	*1*
o-Terphenyl	*124*		*70 - 130*	*05/23/22 08:26*	*05/23/22 17:39*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	22.5	*- *1	4.98		mg/Kg			05/25/22 17:45	1

Client Sample Results

Client: Ensolum
Project/Site: ROSS DRAW UNIT #034

Job ID: 890-2328-1
SDG: 03A197018

Client Sample ID: BH08

Lab Sample ID: 890-2328-16
Matrix: Solid
Date Collected: 05/19/22 12:00
Date Received: 05/20/22 12:35
Sample Depth: 4.5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/23/22 15:02	05/24/22 05:05	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/23/22 15:02	05/24/22 05:05	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/23/22 15:02	05/24/22 05:05	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		05/23/22 15:02	05/24/22 05:05	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/23/22 15:02	05/24/22 05:05	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/23/22 15:02	05/24/22 05:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*	*05/23/22 15:02*	*05/24/22 05:05*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*05/23/22 15:02*	*05/24/22 05:05*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			05/24/22 11:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			05/24/22 09:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/23/22 08:26	05/23/22 18:01	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/23/22 08:26	05/23/22 18:01	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/23/22 08:26	05/23/22 18:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*112*		*70 - 130*	*05/23/22 08:26*	*05/23/22 18:01*	*1*
o-Terphenyl	*127*		*70 - 130*	*05/23/22 08:26*	*05/23/22 18:01*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**488**	***- *1**	4.95		mg/Kg			05/25/22 18:07	1

Client Sample ID: BH09

Lab Sample ID: 890-2328-17
Matrix: Solid
Date Collected: 05/19/22 12:45
Date Received: 05/20/22 12:35
Sample Depth: 1

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		05/23/22 15:02	05/24/22 05:25	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/23/22 15:02	05/24/22 05:25	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/23/22 15:02	05/24/22 05:25	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/23/22 15:02	05/24/22 05:25	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/23/22 15:02	05/24/22 05:25	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/23/22 15:02	05/24/22 05:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*116*		*70 - 130*	*05/23/22 15:02*	*05/24/22 05:25*	*1*

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Client Sample Results

Client: Ensolum
Project/Site: ROSS DRAW UNIT #034

Job ID: 890-2328-1
SDG: 03A197018

Client Sample ID: BH09
Date Collected: 05/19/22 12:45
Date Received: 05/20/22 12:35
Sample Depth: 1

Lab Sample ID: 890-2328-17
Matrix: Solid

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*05/23/22 15:02*	*05/24/22 05:25*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			05/24/22 11:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			05/24/22 09:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/23/22 08:26	05/23/22 18:23	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/23/22 08:26	05/23/22 18:23	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/23/22 08:26	05/23/22 18:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*109*		*70 - 130*	*05/23/22 08:26*	*05/23/22 18:23*	*1*
o-Terphenyl	*119*		*70 - 130*	*05/23/22 08:26*	*05/23/22 18:23*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**10.1**	***- *1**	5.00		mg/Kg			05/25/22 18:14	1

Client Sample ID: BH09
Date Collected: 05/19/22 12:55
Date Received: 05/20/22 12:35
Sample Depth: 3

Lab Sample ID: 890-2328-18
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		05/23/22 15:02	05/24/22 05:46	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/23/22 15:02	05/24/22 05:46	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/23/22 15:02	05/24/22 05:46	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/23/22 15:02	05/24/22 05:46	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/23/22 15:02	05/24/22 05:46	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/23/22 15:02	05/24/22 05:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*	*05/23/22 15:02*	*05/24/22 05:46*	*1*
1,4-Difluorobenzene (Surr)	*88*		*70 - 130*	*05/23/22 15:02*	*05/24/22 05:46*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			05/24/22 11:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			05/24/22 09:49	1

Client Sample Results

Client: Ensolum
Project/Site: ROSS DRAW UNIT #034

Job ID: 890-2328-1
SDG: 03A197018

Client Sample ID: BH09

Lab Sample ID: 890-2328-18
Matrix: Solid
Date Collected: 05/19/22 12:55
Date Received: 05/20/22 12:35
Sample Depth: 3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		05/23/22 08:26	05/23/22 18:44	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/23/22 08:26	05/23/22 18:44	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/23/22 08:26	05/23/22 18:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*115*		*70 - 130*	*05/23/22 08:26*	*05/23/22 18:44*	*1*
o-Terphenyl	*135*	*S1+*	*70 - 130*	*05/23/22 08:26*	*05/23/22 18:44*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**654**	***- *1**	25.0		mg/Kg			05/25/22 18:22	5

Client Sample ID: BH09

Lab Sample ID: 890-2328-19
Matrix: Solid
Date Collected: 05/19/22 13:00
Date Received: 05/20/22 12:35
Sample Depth: 4.5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/23/22 15:02	05/24/22 06:06	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/23/22 15:02	05/24/22 06:06	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/23/22 15:02	05/24/22 06:06	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		05/23/22 15:02	05/24/22 06:06	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/23/22 15:02	05/24/22 06:06	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		05/23/22 15:02	05/24/22 06:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*116*		*70 - 130*	*05/23/22 15:02*	*05/24/22 06:06*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*05/23/22 15:02*	*05/24/22 06:06*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			05/24/22 11:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			05/24/22 09:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		05/23/22 08:26	05/23/22 19:06	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/23/22 08:26	05/23/22 19:06	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/23/22 08:26	05/23/22 19:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*131*	*S1+*	*70 - 130*	*05/23/22 08:26*	*05/23/22 19:06*	*1*
o-Terphenyl	*143*	*S1+*	*70 - 130*	*05/23/22 08:26*	*05/23/22 19:06*	*1*

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Client Sample Results

Client: Ensolum
Project/Site: ROSS DRAW UNIT #034

Job ID: 890-2328-1
SDG: 03A197018

Client Sample ID: BH09

Lab Sample ID: 890-2328-19
Matrix: Solid
Date Collected: 05/19/22 13:00
Date Received: 05/20/22 12:35
Sample Depth: 4.5

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	750	*- *1	50.4		mg/Kg			05/25/22 18:29	10

Client Sample ID: BH10

Lab Sample ID: 890-2328-20
Matrix: Solid
Date Collected: 05/19/22 14:55
Date Received: 05/20/22 12:35
Sample Depth: 1

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		05/23/22 15:02	05/24/22 06:27	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/23/22 15:02	05/24/22 06:27	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/23/22 15:02	05/24/22 06:27	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		05/23/22 15:02	05/24/22 06:27	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/23/22 15:02	05/24/22 06:27	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/23/22 15:02	05/24/22 06:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*121*		*70 - 130*	*05/23/22 15:02*	*05/24/22 06:27*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*05/23/22 15:02*	*05/24/22 06:27*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			05/24/22 11:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			05/24/22 09:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/23/22 08:26	05/23/22 19:28	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/23/22 08:26	05/23/22 19:28	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/23/22 08:26	05/23/22 19:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*110*		*70 - 130*	*05/23/22 08:26*	*05/23/22 19:28*	*1*
o-Terphenyl	*122*		*70 - 130*	*05/23/22 08:26*	*05/23/22 19:28*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	16.2	*- *1	4.98		mg/Kg			05/25/22 18:52	1

Client Sample Results

Client: Ensolum
Project/Site: ROSS DRAW UNIT #034

Job ID: 890-2328-1
SDG: 03A197018

Client Sample ID: BH10

Lab Sample ID: 890-2328-21
Matrix: Solid
Date Collected: 05/19/22 15:05
Date Received: 05/20/22 12:35
Sample Depth: 3

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		05/23/22 15:02	05/24/22 06:47	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/23/22 15:02	05/24/22 06:47	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/23/22 15:02	05/24/22 06:47	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		05/23/22 15:02	05/24/22 06:47	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/23/22 15:02	05/24/22 06:47	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/23/22 15:02	05/24/22 06:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*115*		*70 - 130*	*05/23/22 15:02*	*05/24/22 06:47*	*1*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*	*05/23/22 15:02*	*05/24/22 06:47*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			05/24/22 11:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			05/24/22 09:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *1	50.0		mg/Kg		05/23/22 08:26	05/23/22 16:34	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/23/22 08:26	05/23/22 16:34	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/23/22 08:26	05/23/22 16:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*118*		*70 - 130*	*05/23/22 08:26*	*05/23/22 16:34*	*1*
o-Terphenyl	*123*		*70 - 130*	*05/23/22 08:26*	*05/23/22 16:34*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**470**	***- *1**	4.96		mg/Kg			05/25/22 18:59	1

Client Sample ID: BH10

Lab Sample ID: 890-2328-22
Matrix: Solid
Date Collected: 05/19/22 15:10
Date Received: 05/20/22 12:35
Sample Depth: 4.5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/23/22 15:02	05/24/22 07:07	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/23/22 15:02	05/24/22 07:07	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/23/22 15:02	05/24/22 07:07	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		05/23/22 15:02	05/24/22 07:07	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/23/22 15:02	05/24/22 07:07	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/23/22 15:02	05/24/22 07:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*121*		*70 - 130*	*05/23/22 15:02*	*05/24/22 07:07*	*1*

Client Sample Results

Client: Ensolum
Project/Site: ROSS DRAW UNIT #034

Job ID: 890-2328-1
SDG: 03A197018

Client Sample ID: BH10

Date Collected: 05/19/22 15:10
Date Received: 05/20/22 12:35
Sample Depth: 4.5

Lab Sample ID: 890-2328-22

Matrix: Solid

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*05/23/22 15:02*	*05/24/22 07:07*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			05/24/22 11:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			05/24/22 09:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *1	49.9		mg/Kg		05/23/22 08:26	05/23/22 16:56	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/23/22 08:26	05/23/22 16:56	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/23/22 08:26	05/23/22 16:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*114*		*70 - 130*	*05/23/22 08:26*	*05/23/22 16:56*	*1*
o-Terphenyl	*118*		*70 - 130*	*05/23/22 08:26*	*05/23/22 16:56*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**559**	***- *1**	50.1		mg/Kg			05/25/22 19:06	10

Surrogate Summary

Client: Ensolum
Project/Site: ROSS DRAW UNIT #034

Job ID: 890-2328-1
SDG: 03A197018

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-15058-A-2-A MS	Matrix Spike	106	94
880-15058-A-2-B MSD	Matrix Spike Duplicate	108	95
890-2327-A-1-I MS	Matrix Spike	125	88
890-2327-A-1-J MSD	Matrix Spike Duplicate	120	92
890-2328-1	BH01	128	96
890-2328-2	BH01	129	89
890-2328-3	BH02	133 S1+	90
890-2328-4	BH02	126	95
890-2328-5	BH03	136 S1+	95
890-2328-6	BH03	113	94
890-2328-7	BH04	117	96
890-2328-8	BH04	120	97
890-2328-9	BH05	119	93
890-2328-10	BH05	117	94
890-2328-11	BH06	123	92
890-2328-12	BH06	119	96
890-2328-13	BH07	120	93
890-2328-14	BH07	113	97
890-2328-15	BH08	114	96
890-2328-16	BH08	112	96
890-2328-17	BH09	116	90
890-2328-18	BH09	104	88
890-2328-19	BH09	116	97
890-2328-20	BH10	121	95
890-2328-21	BH10	115	89
890-2328-22	BH10	121	92
LCS 880-25990/1-A	Lab Control Sample	133 S1+	98
LCS 880-26102/1-A	Lab Control Sample	108	95
LCSD 880-25990/2-A	Lab Control Sample Dup	123	89
LCSD 880-26102/2-A	Lab Control Sample Dup	105	95
MB 880-25990/5-A	Method Blank	91	89
MB 880-26086/5-A	Method Blank	107	89
MB 880-26102/5-A	Method Blank	113	97

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
890-2327-A-21-B MS	Matrix Spike	115	114
890-2327-A-21-C MSD	Matrix Spike Duplicate	103	101
890-2328-1	BH01	115	136 S1+
890-2328-1 MS	BH01	104	107
890-2328-1 MSD	BH01	108	109
890-2328-2	BH01	112	130

Surrogate Summary

Client: Ensolum Job ID: 890-2328-1
Project/Site: ROSS DRAW UNIT #034 SDG: 03A197018

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

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
890-2328-3	BH02	121	138 S1+
890-2328-4	BH02	124	135 S1+
890-2328-5	BH03	90	97
890-2328-6	BH03	106	118
890-2328-7	BH04	108	118
890-2328-8	BH04	106	119
890-2328-9	BH05	123	133 S1+
890-2328-10	BH05	112	126
890-2328-11	BH06	119	142 S1+
890-2328-12	BH06	136 S1+	155 S1+
890-2328-13	BH07	118	138 S1+
890-2328-14	BH07	115	131 S1+
890-2328-15	BH08	110	124
890-2328-16	BH08	112	127
890-2328-17	BH09	109	119
890-2328-18	BH09	115	135 S1+
890-2328-19	BH09	131 S1+	143 S1+
890-2328-20	BH10	110	122
890-2328-21	BH10	118	123
890-2328-22	BH10	114	118
LCS 880-26030/2-A	Lab Control Sample	130	130
LCS 880-26031/2-A	Lab Control Sample	123	133 S1+
LCSD 880-26030/3-A	Lab Control Sample Dup	110	110
LCSD 880-26031/3-A	Lab Control Sample Dup	136 S1+	140 S1+
MB 880-26030/1-A	Method Blank	107	114
MB 880-26031/1-A	Method Blank	120	147 S1+

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: Ensolum
Project/Site: ROSS DRAW UNIT #034

Job ID: 890-2328-1
SDG: 03A197018

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-25990/5-A
Matrix: Solid
Analysis Batch: 26082

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 25990

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/20/22 15:46	05/23/22 17:31	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/20/22 15:46	05/23/22 17:31	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/20/22 15:46	05/23/22 17:31	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/20/22 15:46	05/23/22 17:31	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/20/22 15:46	05/23/22 17:31	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/20/22 15:46	05/23/22 17:31	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*70 - 130*	*05/20/22 15:46*	*05/23/22 17:31*	*1*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*	*05/20/22 15:46*	*05/23/22 17:31*	*1*

Lab Sample ID: LCS 880-25990/1-A
Matrix: Solid
Analysis Batch: 26082

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 25990

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1157		mg/Kg		116	70 - 130
Toluene	0.100	0.1180		mg/Kg		118	70 - 130
Ethylbenzene	0.100	0.1195		mg/Kg		119	70 - 130
m-Xylene & p-Xylene	0.200	0.2405		mg/Kg		120	70 - 130
o-Xylene	0.100	0.1179		mg/Kg		118	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*133*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*

Lab Sample ID: LCSD 880-25990/2-A
Matrix: Solid
Analysis Batch: 26082

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 25990

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1046		mg/Kg		105	70 - 130	10	35
Toluene	0.100	0.1093		mg/Kg		109	70 - 130	8	35
Ethylbenzene	0.100	0.1089		mg/Kg		109	70 - 130	9	35
m-Xylene & p-Xylene	0.200	0.2205		mg/Kg		110	70 - 130	9	35
o-Xylene	0.100	0.1075		mg/Kg		108	70 - 130	9	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*123*		*70 - 130*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*

Lab Sample ID: 890-2327-A-1-I MS
Matrix: Solid
Analysis Batch: 26082

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 25990

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00201	U	0.100	0.09613		mg/Kg		96	70 - 130
Toluene	<0.00201	U	0.100	0.09530		mg/Kg		95	70 - 130

QC Sample Results

Client: Ensolum
Project/Site: ROSS DRAW UNIT #034

Job ID: 890-2328-1
SDG: 03A197018

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

Lab Sample ID: 890-2327-A-1-I MS — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 26082 — **Prep Batch: 25990**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00201	U	0.100	0.08810		mg/Kg		88	70 - 130
m-Xylene & p-Xylene	<0.00402	U	0.200	0.1722		mg/Kg		86	70 - 130
o-Xylene	<0.00201	U	0.100	0.08471		mg/Kg		85	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*125*		*70 - 130*
1,4-Difluorobenzene (Surr)	*88*		*70 - 130*

Lab Sample ID: 890-2327-A-1-J MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 26082 — **Prep Batch: 25990**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00201	U	0.0998	0.09841		mg/Kg		99	70 - 130	2	35
Toluene	<0.00201	U	0.0998	0.09590		mg/Kg		96	70 - 130	1	35
Ethylbenzene	<0.00201	U	0.0998	0.09046		mg/Kg		91	70 - 130	3	35
m-Xylene & p-Xylene	<0.00402	U	0.200	0.1805		mg/Kg		90	70 - 130	5	35
o-Xylene	<0.00201	U	0.0998	0.08776		mg/Kg		88	70 - 130	4	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*120*		*70 - 130*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*

Lab Sample ID: MB 880-26086/5-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 26017 — **Prep Batch: 26086**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/23/22 11:13	05/23/22 12:40	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/23/22 11:13	05/23/22 12:40	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/23/22 11:13	05/23/22 12:40	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/23/22 11:13	05/23/22 12:40	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/23/22 11:13	05/23/22 12:40	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/23/22 11:13	05/23/22 12:40	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*	*05/23/22 11:13*	*05/23/22 12:40*	*1*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*	*05/23/22 11:13*	*05/23/22 12:40*	*1*

Lab Sample ID: MB 880-26102/5-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 26017 — **Prep Batch: 26102**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/23/22 15:02	05/23/22 23:16	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/23/22 15:02	05/23/22 23:16	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/23/22 15:02	05/23/22 23:16	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/23/22 15:02	05/23/22 23:16	1

QC Sample Results

Client: Ensolum
Project/Site: ROSS DRAW UNIT #034

Job ID: 890-2328-1
SDG: 03A197018

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

Lab Sample ID: MB 880-26102/5-A
Matrix: Solid
Analysis Batch: 26017

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 26102

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/23/22 15:02	05/23/22 23:16	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/23/22 15:02	05/23/22 23:16	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*	*05/23/22 15:02*	*05/23/22 23:16*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*05/23/22 15:02*	*05/23/22 23:16*	*1*

Lab Sample ID: LCS 880-26102/1-A
Matrix: Solid
Analysis Batch: 26017

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 26102

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.09146		mg/Kg		91	70 - 130		
Toluene			0.100	0.1010		mg/Kg		101	70 - 130		
Ethylbenzene			0.100	0.1026		mg/Kg		103	70 - 130		
m-Xylene & p-Xylene			0.200	0.2101		mg/Kg		105	70 - 130		
o-Xylene			0.100	0.1068		mg/Kg		107	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*

Lab Sample ID: LCSD 880-26102/2-A
Matrix: Solid
Analysis Batch: 26017

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 26102

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.07726		mg/Kg		77	70 - 130	17	35
Toluene			0.100	0.08319		mg/Kg		83	70 - 130	19	35
Ethylbenzene			0.100	0.08612		mg/Kg		86	70 - 130	17	35
m-Xylene & p-Xylene			0.200	0.1736		mg/Kg		87	70 - 130	19	35
o-Xylene			0.100	0.08878		mg/Kg		89	70 - 130	18	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*

Lab Sample ID: 880-15058-A-2-A MS
Matrix: Solid
Analysis Batch: 26017

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 26102

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00199	U F1	0.101	0.07431		mg/Kg		74	70 - 130		
Toluene	<0.00199	U F1	0.101	0.08116		mg/Kg		81	70 - 130		
Ethylbenzene	<0.00199	U	0.101	0.08279		mg/Kg		82	70 - 130		
m-Xylene & p-Xylene	<0.00398	U	0.201	0.1676		mg/Kg		83	70 - 130		
o-Xylene	<0.00199	U	0.101	0.08543		mg/Kg		85	70 - 130		

QC Sample Results

Client: Ensolum
Project/Site: ROSS DRAW UNIT #034

Job ID: 890-2328-1
SDG: 03A197018

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

Lab Sample ID: 880-15058-A-2-A MS
Matrix: Solid
Analysis Batch: 26017

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 26102

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*

Lab Sample ID: 880-15058-A-2-B MSD
Matrix: Solid
Analysis Batch: 26017

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 26102

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00199	U F1	0.100	0.06158	F1	mg/Kg		61	70 - 130	19	35
Toluene	<0.00199	U F1	0.100	0.06799	F1	mg/Kg		68	70 - 130	18	35
Ethylbenzene	<0.00199	U	0.100	0.07009		mg/Kg		70	70 - 130	17	35
m-Xylene & p-Xylene	<0.00398	U	0.200	0.1437		mg/Kg		72	70 - 130	15	35
o-Xylene	<0.00199	U	0.100	0.07514		mg/Kg		75	70 - 130	13	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*

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

Lab Sample ID: MB 880-26030/1-A
Matrix: Solid
Analysis Batch: 26020

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 26030

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/23/22 08:26	05/23/22 10:03	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/23/22 08:26	05/23/22 10:03	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/23/22 08:26	05/23/22 10:03	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	*107*		*70 - 130*	*05/23/22 08:26*	*05/23/22 10:03*	*1*
o-Terphenyl	*114*		*70 - 130*	*05/23/22 08:26*	*05/23/22 10:03*	*1*

Lab Sample ID: LCS 880-26030/2-A
Matrix: Solid
Analysis Batch: 26020

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 26030

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1073		mg/Kg		107	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1058		mg/Kg		106	70 - 130

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

QC Sample Results

Client: Ensolum
Project/Site: ROSS DRAW UNIT #034

Job ID: 890-2328-1
SDG: 03A197018

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

Lab Sample ID: LCSD 880-26030/3-A
Matrix: Solid
Analysis Batch: 26020

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 26030

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	844.8	*1	mg/Kg		84	70 - 130	24	20
Diesel Range Organics (Over C10-C28)			1000	877.5		mg/Kg		88	70 - 130	19	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*110*		*70 - 130*
o-Terphenyl	*110*		*70 - 130*

Lab Sample ID: 890-2327-A-21-B MS
Matrix: Solid
Analysis Batch: 26020

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 26030

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *1	1000	1181		mg/Kg		115	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U	1000	1228		mg/Kg		123	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*115*		*70 - 130*
o-Terphenyl	*114*		*70 - 130*

Lab Sample ID: 890-2327-A-21-C MSD
Matrix: Solid
Analysis Batch: 26020

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 26030

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *1	999	1023		mg/Kg		100	70 - 130	14	20
Diesel Range Organics (Over C10-C28)	<50.0	U	999	1081		mg/Kg		108	70 - 130	13	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*103*		*70 - 130*
o-Terphenyl	*101*		*70 - 130*

Lab Sample ID: MB 880-26031/1-A
Matrix: Solid
Analysis Batch: 26022

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 26031

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/23/22 08:26	05/23/22 10:03	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/23/22 08:26	05/23/22 10:03	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/23/22 08:26	05/23/22 10:03	1

QC Sample Results

Client: Ensolum
Project/Site: ROSS DRAW UNIT #034

Job ID: 890-2328-1
SDG: 03A197018

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

Lab Sample ID: MB 880-26031/1-A
Matrix: Solid
Analysis Batch: 26022

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 26031

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	120		70 - 130	05/23/22 08:26	05/23/22 10:03	1
o-Terphenyl	147	S1+	70 - 130	05/23/22 08:26	05/23/22 10:03	1

Lab Sample ID: LCS 880-26031/2-A
Matrix: Solid
Analysis Batch: 26022

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 26031

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	879.5		mg/Kg		88	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	968.6		mg/Kg		97	70 - 130		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	123		70 - 130
o-Terphenyl	133	S1+	70 - 130

Lab Sample ID: LCSD 880-26031/3-A
Matrix: Solid
Analysis Batch: 26022

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 26031

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	967.9		mg/Kg		97	70 - 130	10	20
Diesel Range Organics (Over C10-C28)			1000	1049		mg/Kg		105	70 - 130	8	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	136	S1+	70 - 130
o-Terphenyl	140	S1+	70 - 130

Lab Sample ID: 890-2328-1 MS
Matrix: Solid
Analysis Batch: 26022

Client Sample ID: BH01
Prep Type: Total/NA
Prep Batch: 26031

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	1000	1288		mg/Kg		126	70 - 130		
Diesel Range Organics (Over C10-C28)	<50.0	U	1000	1099		mg/Kg		110	70 - 130		

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	104		70 - 130
o-Terphenyl	107		70 - 130

QC Sample Results

Client: Ensolum
Project/Site: ROSS DRAW UNIT #034

Job ID: 890-2328-1
SDG: 03A197018

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

Lab Sample ID: 890-2328-1 MSD — **Client Sample ID: BH01**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 26022 — **Prep Batch: 26031**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	999	1287		mg/Kg		126	70 - 130	0	20
Diesel Range Organics (Over C10-C28)	<50.0	U	999	1139		mg/Kg		114	70 - 130	4	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*108*		*70 - 130*
o-Terphenyl	*109*		*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-26108/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 26223

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			05/25/22 17:22	1

Lab Sample ID: LCS 880-26108/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 26223

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	248.9		mg/Kg		100	90 - 110

Lab Sample ID: LCSD 880-26108/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 26223

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	169.4	*- *1	mg/Kg		68	90 - 110	38	20

Lab Sample ID: 890-2328-15 MS — **Client Sample ID: BH08**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 26223

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	22.5	*- *1	249	271.6		mg/Kg		100	90 - 110

Lab Sample ID: 890-2328-15 MSD — **Client Sample ID: BH08**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 26223

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	22.5	*- *1	249	271.5		mg/Kg		100	90 - 110	0	20

QC Sample Results

Client: Ensolum
Project/Site: ROSS DRAW UNIT #034

Job ID: 890-2328-1
SDG: 03A197018

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: MB 880-26091/1-A
Matrix: Solid
Analysis Batch: 26235

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			05/27/22 08:41	1

Lab Sample ID: LCS 880-26091/2-A
Matrix: Solid
Analysis Batch: 26235

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	249.9		mg/Kg		100	90 - 110		

Lab Sample ID: LCSD 880-26091/3-A
Matrix: Solid
Analysis Batch: 26235

Client Sample ID: Lab Control Sample Dup
Prep Type: Soluble

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	247.0		mg/Kg		99	90 - 110	1	20

Lab Sample ID: 890-2328-5 MS
Matrix: Solid
Analysis Batch: 26235

Client Sample ID: BH03
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	201		248	444.8		mg/Kg		99	90 - 110		

Lab Sample ID: 890-2328-5 MSD
Matrix: Solid
Analysis Batch: 26235

Client Sample ID: BH03
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	201		248	445.3		mg/Kg		99	90 - 110	0	20

QC Association Summary

Client: Ensolum
Project/Site: ROSS DRAW UNIT #034

Job ID: 890-2328-1
SDG: 03A197018

GC VOA

Prep Batch: 25990

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2328-1	BH01	Total/NA	Solid	5035	
890-2328-2	BH01	Total/NA	Solid	5035	
890-2328-3	BH02	Total/NA	Solid	5035	
890-2328-4	BH02	Total/NA	Solid	5035	
890-2328-5	BH03	Total/NA	Solid	5035	
MB 880-25990/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-25990/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-25990/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-2327-A-1-I MS	Matrix Spike	Total/NA	Solid	5035	
890-2327-A-1-J MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 26017

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2328-6	BH03	Total/NA	Solid	8021B	26102
890-2328-7	BH04	Total/NA	Solid	8021B	26102
890-2328-8	BH04	Total/NA	Solid	8021B	26102
890-2328-9	BH05	Total/NA	Solid	8021B	26102
890-2328-10	BH05	Total/NA	Solid	8021B	26102
890-2328-11	BH06	Total/NA	Solid	8021B	26102
890-2328-12	BH06	Total/NA	Solid	8021B	26102
890-2328-13	BH07	Total/NA	Solid	8021B	26102
890-2328-14	BH07	Total/NA	Solid	8021B	26102
890-2328-15	BH08	Total/NA	Solid	8021B	26102
890-2328-16	BH08	Total/NA	Solid	8021B	26102
890-2328-17	BH09	Total/NA	Solid	8021B	26102
890-2328-18	BH09	Total/NA	Solid	8021B	26102
890-2328-19	BH09	Total/NA	Solid	8021B	26102
890-2328-20	BH10	Total/NA	Solid	8021B	26102
890-2328-21	BH10	Total/NA	Solid	8021B	26102
890-2328-22	BH10	Total/NA	Solid	8021B	26102
MB 880-26086/5-A	Method Blank	Total/NA	Solid	8021B	26086
MB 880-26102/5-A	Method Blank	Total/NA	Solid	8021B	26102
LCS 880-26102/1-A	Lab Control Sample	Total/NA	Solid	8021B	26102
LCSD 880-26102/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	26102
880-15058-A-2-A MS	Matrix Spike	Total/NA	Solid	8021B	26102
880-15058-A-2-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	26102

Analysis Batch: 26082

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2328-1	BH01	Total/NA	Solid	8021B	25990
890-2328-2	BH01	Total/NA	Solid	8021B	25990
890-2328-3	BH02	Total/NA	Solid	8021B	25990
890-2328-4	BH02	Total/NA	Solid	8021B	25990
890-2328-5	BH03	Total/NA	Solid	8021B	25990
MB 880-25990/5-A	Method Blank	Total/NA	Solid	8021B	25990
LCS 880-25990/1-A	Lab Control Sample	Total/NA	Solid	8021B	25990
LCSD 880-25990/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	25990
890-2327-A-1-I MS	Matrix Spike	Total/NA	Solid	8021B	25990
890-2327-A-1-J MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	25990

QC Association Summary

Client: Ensolum
Project/Site: ROSS DRAW UNIT #034

Job ID: 890-2328-1
SDG: 03A197018

GC VOA

Prep Batch: 26086

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-26086/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 26102

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2328-6	BH03	Total/NA	Solid	5035	
890-2328-7	BH04	Total/NA	Solid	5035	
890-2328-8	BH04	Total/NA	Solid	5035	
890-2328-9	BH05	Total/NA	Solid	5035	
890-2328-10	BH05	Total/NA	Solid	5035	
890-2328-11	BH06	Total/NA	Solid	5035	
890-2328-12	BH06	Total/NA	Solid	5035	
890-2328-13	BH07	Total/NA	Solid	5035	
890-2328-14	BH07	Total/NA	Solid	5035	
890-2328-15	BH08	Total/NA	Solid	5035	
890-2328-16	BH08	Total/NA	Solid	5035	
890-2328-17	BH09	Total/NA	Solid	5035	
890-2328-18	BH09	Total/NA	Solid	5035	
890-2328-19	BH09	Total/NA	Solid	5035	
890-2328-20	BH10	Total/NA	Solid	5035	
890-2328-21	BH10	Total/NA	Solid	5035	
890-2328-22	BH10	Total/NA	Solid	5035	
MB 880-26102/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-26102/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-26102/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-15058-A-2-A MS	Matrix Spike	Total/NA	Solid	5035	
880-15058-A-2-B MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 26174

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2328-1	BH01	Total/NA	Solid	Total BTEX	
890-2328-2	BH01	Total/NA	Solid	Total BTEX	
890-2328-3	BH02	Total/NA	Solid	Total BTEX	
890-2328-4	BH02	Total/NA	Solid	Total BTEX	
890-2328-5	BH03	Total/NA	Solid	Total BTEX	
890-2328-6	BH03	Total/NA	Solid	Total BTEX	
890-2328-7	BH04	Total/NA	Solid	Total BTEX	
890-2328-8	BH04	Total/NA	Solid	Total BTEX	
890-2328-9	BH05	Total/NA	Solid	Total BTEX	
890-2328-10	BH05	Total/NA	Solid	Total BTEX	
890-2328-11	BH06	Total/NA	Solid	Total BTEX	
890-2328-12	BH06	Total/NA	Solid	Total BTEX	
890-2328-13	BH07	Total/NA	Solid	Total BTEX	
890-2328-14	BH07	Total/NA	Solid	Total BTEX	
890-2328-15	BH08	Total/NA	Solid	Total BTEX	
890-2328-16	BH08	Total/NA	Solid	Total BTEX	
890-2328-17	BH09	Total/NA	Solid	Total BTEX	
890-2328-18	BH09	Total/NA	Solid	Total BTEX	
890-2328-19	BH09	Total/NA	Solid	Total BTEX	
890-2328-20	BH10	Total/NA	Solid	Total BTEX	
890-2328-21	BH10	Total/NA	Solid	Total BTEX	
890-2328-22	BH10	Total/NA	Solid	Total BTEX	

QC Association Summary

Client: Ensolum
Project/Site: ROSS DRAW UNIT #034

Job ID: 890-2328-1
SDG: 03A197018

GC Semi VOA

Analysis Batch: 26020

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2328-21	BH10	Total/NA	Solid	8015B NM	26030
890-2328-22	BH10	Total/NA	Solid	8015B NM	26030
MB 880-26030/1-A	Method Blank	Total/NA	Solid	8015B NM	26030
LCS 880-26030/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	26030
LCSD 880-26030/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	26030
890-2327-A-21-B MS	Matrix Spike	Total/NA	Solid	8015B NM	26030
890-2327-A-21-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	26030

Analysis Batch: 26022

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2328-1	BH01	Total/NA	Solid	8015B NM	26031
890-2328-2	BH01	Total/NA	Solid	8015B NM	26031
890-2328-3	BH02	Total/NA	Solid	8015B NM	26031
890-2328-4	BH02	Total/NA	Solid	8015B NM	26031
890-2328-5	BH03	Total/NA	Solid	8015B NM	26031
890-2328-6	BH03	Total/NA	Solid	8015B NM	26031
890-2328-7	BH04	Total/NA	Solid	8015B NM	26031
890-2328-8	BH04	Total/NA	Solid	8015B NM	26031
890-2328-9	BH05	Total/NA	Solid	8015B NM	26031
890-2328-10	BH05	Total/NA	Solid	8015B NM	26031
890-2328-11	BH06	Total/NA	Solid	8015B NM	26031
890-2328-12	BH06	Total/NA	Solid	8015B NM	26031
890-2328-13	BH07	Total/NA	Solid	8015B NM	26031
890-2328-14	BH07	Total/NA	Solid	8015B NM	26031
890-2328-15	BH08	Total/NA	Solid	8015B NM	26031
890-2328-16	BH08	Total/NA	Solid	8015B NM	26031
890-2328-17	BH09	Total/NA	Solid	8015B NM	26031
890-2328-18	BH09	Total/NA	Solid	8015B NM	26031
890-2328-19	BH09	Total/NA	Solid	8015B NM	26031
890-2328-20	BH10	Total/NA	Solid	8015B NM	26031
MB 880-26031/1-A	Method Blank	Total/NA	Solid	8015B NM	26031
LCS 880-26031/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	26031
LCSD 880-26031/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	26031
890-2328-1 MS	BH01	Total/NA	Solid	8015B NM	26031
890-2328-1 MSD	BH01	Total/NA	Solid	8015B NM	26031

Prep Batch: 26030

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2328-21	BH10	Total/NA	Solid	8015NM Prep	
890-2328-22	BH10	Total/NA	Solid	8015NM Prep	
MB 880-26030/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-26030/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-26030/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-2327-A-21-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-2327-A-21-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Prep Batch: 26031

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2328-1	BH01	Total/NA	Solid	8015NM Prep	
890-2328-2	BH01	Total/NA	Solid	8015NM Prep	
890-2328-3	BH02	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: Ensolum
Project/Site: ROSS DRAW UNIT #034

Job ID: 890-2328-1
SDG: 03A197018

GC Semi VOA (Continued)

Prep Batch: 26031 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2328-4	BH02	Total/NA	Solid	8015NM Prep	
890-2328-5	BH03	Total/NA	Solid	8015NM Prep	
890-2328-6	BH03	Total/NA	Solid	8015NM Prep	
890-2328-7	BH04	Total/NA	Solid	8015NM Prep	
890-2328-8	BH04	Total/NA	Solid	8015NM Prep	
890-2328-9	BH05	Total/NA	Solid	8015NM Prep	
890-2328-10	BH05	Total/NA	Solid	8015NM Prep	
890-2328-11	BH06	Total/NA	Solid	8015NM Prep	
890-2328-12	BH06	Total/NA	Solid	8015NM Prep	
890-2328-13	BH07	Total/NA	Solid	8015NM Prep	
890-2328-14	BH07	Total/NA	Solid	8015NM Prep	
890-2328-15	BH08	Total/NA	Solid	8015NM Prep	
890-2328-16	BH08	Total/NA	Solid	8015NM Prep	
890-2328-17	BH09	Total/NA	Solid	8015NM Prep	
890-2328-18	BH09	Total/NA	Solid	8015NM Prep	
890-2328-19	BH09	Total/NA	Solid	8015NM Prep	
890-2328-20	BH10	Total/NA	Solid	8015NM Prep	
MB 880-26031/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-26031/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-26031/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-2328-1 MS	BH01	Total/NA	Solid	8015NM Prep	
890-2328-1 MSD	BH01	Total/NA	Solid	8015NM Prep	

Analysis Batch: 26155

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2328-1	BH01	Total/NA	Solid	8015 NM	
890-2328-2	BH01	Total/NA	Solid	8015 NM	
890-2328-3	BH02	Total/NA	Solid	8015 NM	
890-2328-4	BH02	Total/NA	Solid	8015 NM	
890-2328-5	BH03	Total/NA	Solid	8015 NM	
890-2328-6	BH03	Total/NA	Solid	8015 NM	
890-2328-7	BH04	Total/NA	Solid	8015 NM	
890-2328-8	BH04	Total/NA	Solid	8015 NM	
890-2328-9	BH05	Total/NA	Solid	8015 NM	
890-2328-10	BH05	Total/NA	Solid	8015 NM	
890-2328-11	BH06	Total/NA	Solid	8015 NM	
890-2328-12	BH06	Total/NA	Solid	8015 NM	
890-2328-13	BH07	Total/NA	Solid	8015 NM	
890-2328-14	BH07	Total/NA	Solid	8015 NM	
890-2328-15	BH08	Total/NA	Solid	8015 NM	
890-2328-16	BH08	Total/NA	Solid	8015 NM	
890-2328-17	BH09	Total/NA	Solid	8015 NM	
890-2328-18	BH09	Total/NA	Solid	8015 NM	
890-2328-19	BH09	Total/NA	Solid	8015 NM	
890-2328-20	BH10	Total/NA	Solid	8015 NM	
890-2328-21	BH10	Total/NA	Solid	8015 NM	
890-2328-22	BH10	Total/NA	Solid	8015 NM	

QC Association Summary

Client: Ensolum
Project/Site: ROSS DRAW UNIT #034

Job ID: 890-2328-1
SDG: 03A197018

HPLC/IC

Leach Batch: 26091

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2328-1	BH01	Soluble	Solid	DI Leach	
890-2328-2	BH01	Soluble	Solid	DI Leach	
890-2328-3	BH02	Soluble	Solid	DI Leach	
890-2328-4	BH02	Soluble	Solid	DI Leach	
890-2328-5	BH03	Soluble	Solid	DI Leach	
890-2328-6	BH03	Soluble	Solid	DI Leach	
890-2328-7	BH04	Soluble	Solid	DI Leach	
890-2328-8	BH04	Soluble	Solid	DI Leach	
890-2328-9	BH05	Soluble	Solid	DI Leach	
890-2328-10	BH05	Soluble	Solid	DI Leach	
890-2328-11	BH06	Soluble	Solid	DI Leach	
890-2328-12	BH06	Soluble	Solid	DI Leach	
890-2328-13	BH07	Soluble	Solid	DI Leach	
890-2328-14	BH07	Soluble	Solid	DI Leach	
MB 880-26091/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-26091/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-26091/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-2328-5 MS	BH03	Soluble	Solid	DI Leach	
890-2328-5 MSD	BH03	Soluble	Solid	DI Leach	

Leach Batch: 26108

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2328-15	BH08	Soluble	Solid	DI Leach	
890-2328-16	BH08	Soluble	Solid	DI Leach	
890-2328-17	BH09	Soluble	Solid	DI Leach	
890-2328-18	BH09	Soluble	Solid	DI Leach	
890-2328-19	BH09	Soluble	Solid	DI Leach	
890-2328-20	BH10	Soluble	Solid	DI Leach	
890-2328-21	BH10	Soluble	Solid	DI Leach	
890-2328-22	BH10	Soluble	Solid	DI Leach	
MB 880-26108/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-26108/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-26108/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-2328-15 MS	BH08	Soluble	Solid	DI Leach	
890-2328-15 MSD	BH08	Soluble	Solid	DI Leach	

Analysis Batch: 26223

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2328-15	BH08	Soluble	Solid	300.0	26108
890-2328-16	BH08	Soluble	Solid	300.0	26108
890-2328-17	BH09	Soluble	Solid	300.0	26108
890-2328-18	BH09	Soluble	Solid	300.0	26108
890-2328-19	BH09	Soluble	Solid	300.0	26108
890-2328-20	BH10	Soluble	Solid	300.0	26108
890-2328-21	BH10	Soluble	Solid	300.0	26108
890-2328-22	BH10	Soluble	Solid	300.0	26108
MB 880-26108/1-A	Method Blank	Soluble	Solid	300.0	26108
LCS 880-26108/2-A	Lab Control Sample	Soluble	Solid	300.0	26108
LCSD 880-26108/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	26108
890-2328-15 MS	BH08	Soluble	Solid	300.0	26108
890-2328-15 MSD	BH08	Soluble	Solid	300.0	26108

QC Association Summary

Client: Ensolum
Project/Site: ROSS DRAW UNIT #034

Job ID: 890-2328-1
SDG: 03A197018

HPLC/IC

Analysis Batch: 26235

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2328-1	BH01	Soluble	Solid	300.0	26091
890-2328-2	BH01	Soluble	Solid	300.0	26091
890-2328-3	BH02	Soluble	Solid	300.0	26091
890-2328-4	BH02	Soluble	Solid	300.0	26091
890-2328-5	BH03	Soluble	Solid	300.0	26091
890-2328-6	BH03	Soluble	Solid	300.0	26091
890-2328-7	BH04	Soluble	Solid	300.0	26091
890-2328-8	BH04	Soluble	Solid	300.0	26091
890-2328-9	BH05	Soluble	Solid	300.0	26091
890-2328-10	BH05	Soluble	Solid	300.0	26091
890-2328-11	BH06	Soluble	Solid	300.0	26091
890-2328-12	BH06	Soluble	Solid	300.0	26091
890-2328-13	BH07	Soluble	Solid	300.0	26091
890-2328-14	BH07	Soluble	Solid	300.0	26091
MB 880-26091/1-A	Method Blank	Soluble	Solid	300.0	26091
LCS 880-26091/2-A	Lab Control Sample	Soluble	Solid	300.0	26091
LCSD 880-26091/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	26091
890-2328-5 MS	BH03	Soluble	Solid	300.0	26091
890-2328-5 MSD	BH03	Soluble	Solid	300.0	26091

Lab Chronicle

Client: Ensolum
Project/Site: ROSS DRAW UNIT #034

Job ID: 890-2328-1
SDG: 03A197018

Client Sample ID: BH01
Date Collected: 05/19/22 09:05
Date Received: 05/20/22 12:35

Lab Sample ID: 890-2328-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	25990	05/23/22 15:46	MR	XEN MID
Total/NA	Analysis	8021B		1			26082	05/24/22 01:47	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			26174	05/24/22 11:05	SM	XEN MID
Total/NA	Analysis	8015 NM		1			26155	05/24/22 09:49	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	26031	05/23/22 08:26	DM	XEN MID
Total/NA	Analysis	8015B NM		1			26022	05/23/22 11:08	SM	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	26091	05/23/22 11:14	SC	XEN MID
Soluble	Analysis	300.0		5			26235	05/27/22 12:55	SC	XEN MID

Client Sample ID: BH01
Date Collected: 05/19/22 09:30
Date Received: 05/20/22 12:35

Lab Sample ID: 890-2328-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	25990	05/23/22 13:00	MR	XEN MID
Total/NA	Analysis	8021B		1			26082	05/24/22 02:12	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			26174	05/24/22 11:05	SM	XEN MID
Total/NA	Analysis	8015 NM		1			26155	05/24/22 09:49	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	26031	05/23/22 08:26	DM	XEN MID
Total/NA	Analysis	8015B NM		1			26022	05/23/22 12:13	SM	XEN MID
Soluble	Leach	DI Leach			4.97 g	50 mL	26091	05/23/22 11:14	SC	XEN MID
Soluble	Analysis	300.0		5			26235	05/27/22 13:04	SC	XEN MID

Client Sample ID: BH02
Date Collected: 05/19/22 09:35
Date Received: 05/20/22 12:35

Lab Sample ID: 890-2328-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	25990	05/23/22 13:00	MR	XEN MID
Total/NA	Analysis	8021B		1			26082	05/24/22 02:38	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			26174	05/24/22 11:05	SM	XEN MID
Total/NA	Analysis	8015 NM		1			26155	05/24/22 09:49	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	26031	05/23/22 08:26	DM	XEN MID
Total/NA	Analysis	8015B NM		1			26022	05/23/22 12:35	SM	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	26091	05/23/22 11:14	SC	XEN MID
Soluble	Analysis	300.0		1			26235	05/27/22 13:13	SC	XEN MID

Client Sample ID: BH02
Date Collected: 05/19/22 10:00
Date Received: 05/20/22 12:35

Lab Sample ID: 890-2328-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	25990	05/23/22 13:00	MR	XEN MID
Total/NA	Analysis	8021B		1			26082	05/24/22 03:04	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			26174	05/24/22 11:05	SM	XEN MID

Lab Chronicle

Client: Ensolum
Project/Site: ROSS DRAW UNIT #034

Job ID: 890-2328-1
SDG: 03A197018

Client Sample ID: BH02
Date Collected: 05/19/22 10:00
Date Received: 05/20/22 12:35

Lab Sample ID: 890-2328-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			26155	05/24/22 09:49	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	26031	05/23/22 08:26	DM	XEN MID
Total/NA	Analysis	8015B NM		1			26022	05/23/22 12:56	SM	XEN MID
Soluble	Leach	DI Leach			5.04 g	50 mL	26091	05/23/22 11:14	SC	XEN MID
Soluble	Analysis	300.0		1			26235	05/27/22 13:23	SC	XEN MID

Client Sample ID: BH03
Date Collected: 05/19/22 10:05
Date Received: 05/20/22 12:35

Lab Sample ID: 890-2328-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	25990	05/23/22 13:00	MR	XEN MID
Total/NA	Analysis	8021B		1			26082	05/24/22 03:30	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			26174	05/24/22 11:05	SM	XEN MID
Total/NA	Analysis	8015 NM		1			26155	05/24/22 09:49	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	26031	05/23/22 08:26	DM	XEN MID
Total/NA	Analysis	8015B NM		1			26022	05/23/22 13:18	SM	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	26091	05/23/22 11:14	SC	XEN MID
Soluble	Analysis	300.0		1			26235	05/27/22 13:32	SC	XEN MID

Client Sample ID: BH03
Date Collected: 05/19/22 10:20
Date Received: 05/20/22 12:35

Lab Sample ID: 890-2328-6
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	26102	05/23/22 15:02	MR	XEN MID
Total/NA	Analysis	8021B		1			26017	05/24/22 00:39	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			26174	05/24/22 11:05	SM	XEN MID
Total/NA	Analysis	8015 NM		1			26155	05/24/22 09:49	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	26031	05/23/22 08:26	DM	XEN MID
Total/NA	Analysis	8015B NM		1			26022	05/23/22 13:40	SM	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	26091	05/23/22 11:14	SC	XEN MID
Soluble	Analysis	300.0		1			26235	05/27/22 13:59	SC	XEN MID

Client Sample ID: BH04
Date Collected: 05/19/22 10:25
Date Received: 05/20/22 12:35

Lab Sample ID: 890-2328-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	26102	05/23/22 15:02	MR	XEN MID
Total/NA	Analysis	8021B		1			26017	05/24/22 01:00	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			26174	05/24/22 11:05	SM	XEN MID
Total/NA	Analysis	8015 NM		1			26155	05/24/22 09:49	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	26031	05/23/22 08:26	DM	XEN MID
Total/NA	Analysis	8015B NM		1			26022	05/23/22 14:02	SM	XEN MID

Lab Chronicle

Client: Ensolum
Project/Site: ROSS DRAW UNIT #034

Job ID: 890-2328-1
SDG: 03A197018

Client Sample ID: BH04
Date Collected: 05/19/22 10:25
Date Received: 05/20/22 12:35

Lab Sample ID: 890-2328-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.01 g	50 mL	26091	05/23/22 11:14	SC	XEN MID
Soluble	Analysis	300.0		1			26235	05/27/22 14:09	SC	XEN MID

Client Sample ID: BH04
Date Collected: 05/19/22 10:40
Date Received: 05/20/22 12:35

Lab Sample ID: 890-2328-8
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	26102	05/23/22 15:02	MR	XEN MID
Total/NA	Analysis	8021B		1			26017	05/24/22 01:20	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			26174	05/24/22 11:05	SM	XEN MID
Total/NA	Analysis	8015 NM		1			26155	05/24/22 09:49	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	26031	05/23/22 08:26	DM	XEN MID
Total/NA	Analysis	8015B NM		1			26022	05/23/22 14:24	SM	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	26091	05/23/22 11:14	SC	XEN MID
Soluble	Analysis	300.0		1			26235	05/27/22 14:36	SC	XEN MID

Client Sample ID: BH05
Date Collected: 05/19/22 10:45
Date Received: 05/20/22 12:35

Lab Sample ID: 890-2328-9
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	26102	05/23/22 15:02	MR	XEN MID
Total/NA	Analysis	8021B		1			26017	05/24/22 01:40	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			26174	05/24/22 11:05	SM	XEN MID
Total/NA	Analysis	8015 NM		1			26155	05/24/22 09:49	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	26031	05/23/22 08:26	DM	XEN MID
Total/NA	Analysis	8015B NM		1			26022	05/23/22 14:46	SM	XEN MID
Soluble	Leach	DI Leach			5.04 g	50 mL	26091	05/23/22 11:14	SC	XEN MID
Soluble	Analysis	300.0		1			26235	05/27/22 14:46	SC	XEN MID

Client Sample ID: BH05
Date Collected: 05/19/22 11:00
Date Received: 05/20/22 12:35

Lab Sample ID: 890-2328-10
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	26102	05/23/22 15:02	MR	XEN MID
Total/NA	Analysis	8021B		1			26017	05/24/22 02:01	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			26174	05/24/22 11:05	SM	XEN MID
Total/NA	Analysis	8015 NM		1			26155	05/24/22 09:49	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	26031	05/23/22 08:26	DM	XEN MID
Total/NA	Analysis	8015B NM		1			26022	05/23/22 15:07	SM	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	26091	05/23/22 11:14	SC	XEN MID
Soluble	Analysis	300.0		1			26235	05/27/22 14:55	SC	XEN MID

Lab Chronicle

Client: Ensolum
Project/Site: ROSS DRAW UNIT #034

Job ID: 890-2328-1
SDG: 03A197018

Client Sample ID: BH06
Date Collected: 05/19/22 11:05
Date Received: 05/20/22 12:35

Lab Sample ID: 890-2328-11
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	26102	05/23/22 15:02	MR	XEN MID
Total/NA	Analysis	8021B		1			26017	05/24/22 02:21	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			26174	05/24/22 11:05	SM	XEN MID
Total/NA	Analysis	8015 NM		1			26155	05/24/22 09:49	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	26031	05/23/22 08:26	DM	XEN MID
Total/NA	Analysis	8015B NM		1			26022	05/23/22 16:13	SM	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	26091	05/23/22 11:14	SC	XEN MID
Soluble	Analysis	300.0		1			26235	05/27/22 15:04	SC	XEN MID

Client Sample ID: BH06
Date Collected: 05/19/22 11:20
Date Received: 05/20/22 12:35

Lab Sample ID: 890-2328-12
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	26102	05/23/22 15:02	MR	XEN MID
Total/NA	Analysis	8021B		1			26017	05/24/22 02:42	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			26174	05/24/22 11:05	SM	XEN MID
Total/NA	Analysis	8015 NM		1			26155	05/24/22 09:49	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	26031	05/23/22 08:26	DM	XEN MID
Total/NA	Analysis	8015B NM		1			26022	05/23/22 16:34	SM	XEN MID
Soluble	Leach	DI Leach			4.97 g	50 mL	26091	05/23/22 11:14	SC	XEN MID
Soluble	Analysis	300.0		1			26235	05/27/22 15:13	SC	XEN MID

Client Sample ID: BH07
Date Collected: 05/19/22 11:25
Date Received: 05/20/22 12:35

Lab Sample ID: 890-2328-13
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	26102	05/23/22 15:02	MR	XEN MID
Total/NA	Analysis	8021B		1			26017	05/24/22 04:04	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			26174	05/24/22 11:05	SM	XEN MID
Total/NA	Analysis	8015 NM		1			26155	05/24/22 09:49	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	26031	05/23/22 08:26	DM	XEN MID
Total/NA	Analysis	8015B NM		1			26022	05/23/22 16:56	SM	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	26091	05/23/22 11:14	SC	XEN MID
Soluble	Analysis	300.0		1			26235	05/27/22 15:22	SC	XEN MID

Client Sample ID: BH07
Date Collected: 05/19/22 11:40
Date Received: 05/20/22 12:35

Lab Sample ID: 890-2328-14
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	26102	05/23/22 15:02	MR	XEN MID
Total/NA	Analysis	8021B		1			26017	05/24/22 04:24	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			26174	05/24/22 11:05	SM	XEN MID

Lab Chronicle

Client: Ensolum
Project/Site: ROSS DRAW UNIT #034

Job ID: 890-2328-1
SDG: 03A197018

Client Sample ID: BH07
Date Collected: 05/19/22 11:40
Date Received: 05/20/22 12:35

Lab Sample ID: 890-2328-14
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			26155	05/24/22 09:49	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	26031	05/23/22 08:26	DM	XEN MID
Total/NA	Analysis	8015B NM		1			26022	05/23/22 17:17	SM	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	26091	05/23/22 11:14	SC	XEN MID
Soluble	Analysis	300.0		1			26235	05/27/22 15:32	SC	XEN MID

Client Sample ID: BH08
Date Collected: 05/19/22 11:45
Date Received: 05/20/22 12:35

Lab Sample ID: 890-2328-15
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	26102	05/23/22 15:02	MR	XEN MID
Total/NA	Analysis	8021B		1			26017	05/24/22 04:44	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			26174	05/24/22 11:05	SM	XEN MID
Total/NA	Analysis	8015 NM		1			26155	05/24/22 09:49	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	26031	05/23/22 08:26	DM	XEN MID
Total/NA	Analysis	8015B NM		1			26022	05/23/22 17:39	SM	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	26108	05/23/22 16:45	SC	XEN MID
Soluble	Analysis	300.0		1			26223	05/25/22 17:45	CH	XEN MID

Client Sample ID: BH08
Date Collected: 05/19/22 12:00
Date Received: 05/20/22 12:35

Lab Sample ID: 890-2328-16
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	26102	05/23/22 15:02	MR	XEN MID
Total/NA	Analysis	8021B		1			26017	05/24/22 05:05	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			26174	05/24/22 11:05	SM	XEN MID
Total/NA	Analysis	8015 NM		1			26155	05/24/22 09:49	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	26031	05/23/22 08:26	DM	XEN MID
Total/NA	Analysis	8015B NM		1			26022	05/23/22 18:01	SM	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	26108	05/23/22 16:45	SC	XEN MID
Soluble	Analysis	300.0		1			26223	05/25/22 18:07	CH	XEN MID

Client Sample ID: BH09
Date Collected: 05/19/22 12:45
Date Received: 05/20/22 12:35

Lab Sample ID: 890-2328-17
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	26102	05/23/22 15:02	MR	XEN MID
Total/NA	Analysis	8021B		1			26017	05/24/22 05:25	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			26174	05/24/22 11:05	SM	XEN MID
Total/NA	Analysis	8015 NM		1			26155	05/24/22 09:49	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	26031	05/23/22 08:26	DM	XEN MID
Total/NA	Analysis	8015B NM		1			26022	05/23/22 18:23	SM	XEN MID

Lab Chronicle

Client: Ensolum
Project/Site: ROSS DRAW UNIT #034

Job ID: 890-2328-1
SDG: 03A197018

Client Sample ID: BH09
Date Collected: 05/19/22 12:45
Date Received: 05/20/22 12:35

Lab Sample ID: 890-2328-17
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5 g	50 mL	26108	05/23/22 16:45	SC	XEN MID
Soluble	Analysis	300.0		1			26223	05/25/22 18:14	CH	XEN MID

Client Sample ID: BH09
Date Collected: 05/19/22 12:55
Date Received: 05/20/22 12:35

Lab Sample ID: 890-2328-18
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	26102	05/23/22 15:02	MR	XEN MID
Total/NA	Analysis	8021B		1			26017	05/24/22 05:46	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			26174	05/24/22 11:05	SM	XEN MID
Total/NA	Analysis	8015 NM		1			26155	05/24/22 09:49	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	26031	05/23/22 08:26	DM	XEN MID
Total/NA	Analysis	8015B NM		1			26022	05/23/22 18:44	SM	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	26108	05/23/22 16:45	SC	XEN MID
Soluble	Analysis	300.0		5			26223	05/25/22 18:22	CH	XEN MID

Client Sample ID: BH09
Date Collected: 05/19/22 13:00
Date Received: 05/20/22 12:35

Lab Sample ID: 890-2328-19
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	26102	05/23/22 15:02	MR	XEN MID
Total/NA	Analysis	8021B		1			26017	05/24/22 06:06	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			26174	05/24/22 11:05	SM	XEN MID
Total/NA	Analysis	8015 NM		1			26155	05/24/22 09:49	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	26031	05/23/22 08:26	DM	XEN MID
Total/NA	Analysis	8015B NM		1			26022	05/23/22 19:06	SM	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	26108	05/23/22 16:45	SC	XEN MID
Soluble	Analysis	300.0		10			26223	05/25/22 18:29	CH	XEN MID

Client Sample ID: BH10
Date Collected: 05/19/22 14:55
Date Received: 05/20/22 12:35

Lab Sample ID: 890-2328-20
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	26102	05/23/22 15:02	MR	XEN MID
Total/NA	Analysis	8021B		1			26017	05/24/22 06:27	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			26174	05/24/22 11:05	SM	XEN MID
Total/NA	Analysis	8015 NM		1			26155	05/24/22 09:49	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	26031	05/23/22 08:26	DM	XEN MID
Total/NA	Analysis	8015B NM		1			26022	05/23/22 19:28	SM	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	26108	05/23/22 16:45	SC	XEN MID
Soluble	Analysis	300.0		1			26223	05/25/22 18:52	CH	XEN MID

Lab Chronicle

Client: Ensolum
Project/Site: ROSS DRAW UNIT #034

Job ID: 890-2328-1
SDG: 03A197018

Client Sample ID: BH10

Date Collected: 05/19/22 15:05
Date Received: 05/20/22 12:35

Lab Sample ID: 890-2328-21

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	26102	05/23/22 15:02	MR	XEN MID
Total/NA	Analysis	8021B		1			26017	05/24/22 06:47	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			26174	05/24/22 11:05	SM	XEN MID
Total/NA	Analysis	8015 NM		1			26155	05/24/22 09:49	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	26030	05/23/22 08:26	DM	XEN MID
Total/NA	Analysis	8015B NM		1			26020	05/23/22 16:34	SM	XEN MID
Soluble	Leach	DI Leach			5.04 g	50 mL	26108	05/23/22 16:45	SC	XEN MID
Soluble	Analysis	300.0		1			26223	05/25/22 18:59	CH	XEN MID

Client Sample ID: BH10

Date Collected: 05/19/22 15:10
Date Received: 05/20/22 12:35

Lab Sample ID: 890-2328-22

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	26102	05/23/22 15:02	MR	XEN MID
Total/NA	Analysis	8021B		1			26017	05/24/22 07:07	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			26174	05/24/22 11:05	SM	XEN MID
Total/NA	Analysis	8015 NM		1			26155	05/24/22 09:49	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	26030	05/23/22 08:26	DM	XEN MID
Total/NA	Analysis	8015B NM		1			26020	05/23/22 16:56	SM	XEN MID
Soluble	Leach	DI Leach			4.99 g	50 mL	26108	05/23/22 16:45	SC	XEN MID
Soluble	Analysis	300.0		10			26223	05/25/22 19:06	CH	XEN MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Ensolum
Project/Site: ROSS DRAW UNIT #034

Job ID: 890-2328-1
SDG: 03A197018

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-21-22	06-30-22

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: Ensolum
Project/Site: ROSS DRAW UNIT #034

Job ID: 890-2328-1
SDG: 03A197018

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: ROSS DRAW UNIT #034

Job ID: 890-2328-1
SDG: 03A197018

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-2328-1	BH01	Solid	05/19/22 09:05	05/20/22 12:35	1
890-2328-2	BH01	Solid	05/19/22 09:30	05/20/22 12:35	4.5
890-2328-3	BH02	Solid	05/19/22 09:35	05/20/22 12:35	1
890-2328-4	BH02	Solid	05/19/22 10:00	05/20/22 12:35	4.5
890-2328-5	BH03	Solid	05/19/22 10:05	05/20/22 12:35	1
890-2328-6	BH03	Solid	05/19/22 10:20	05/20/22 12:35	4.5
890-2328-7	BH04	Solid	05/19/22 10:25	05/20/22 12:35	1
890-2328-8	BH04	Solid	05/19/22 10:40	05/20/22 12:35	4.5
890-2328-9	BH05	Solid	05/19/22 10:45	05/20/22 12:35	1
890-2328-10	BH05	Solid	05/19/22 11:00	05/20/22 12:35	4.5
890-2328-11	BH06	Solid	05/19/22 11:05	05/20/22 12:35	1
890-2328-12	BH06	Solid	05/19/22 11:20	05/20/22 12:35	4.5
890-2328-13	BH07	Solid	05/19/22 11:25	05/20/22 12:35	1
890-2328-14	BH07	Solid	05/19/22 11:40	05/20/22 12:35	4.5
890-2328-15	BH08	Solid	05/19/22 11:45	05/20/22 12:35	1
890-2328-16	BH08	Solid	05/19/22 12:00	05/20/22 12:35	4.5
890-2328-17	BH09	Solid	05/19/22 12:45	05/20/22 12:35	1
890-2328-18	BH09	Solid	05/19/22 12:55	05/20/22 12:35	3
890-2328-19	BH09	Solid	05/19/22 13:00	05/20/22 12:35	4.5
890-2328-20	BH10	Solid	05/19/22 14:55	05/20/22 12:35	1
890-2328-21	BH10	Solid	05/19/22 15:05	05/20/22 12:35	3
890-2328-22	BH10	Solid	05/19/22 15:10	05/20/22 12:35	4.5

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Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300
Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334
EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

Work Order No: _____

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Project Manager:	Anna Byers	Bill to: (if different)	Jim Raley
Company Name:	Ensolum	Company Name:	~~Devon~~ Tec WPX
Address:	3122 Natl. Parks HWY	Address:	5315 Buena Vista Dr.
City, State ZIP:	Carlsbad NM 88220	City, State ZIP:	Carlsbad NM 88220
Phone:	575-200-6754 Email:		abyers@ensolum.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Ross Draw Unit #034	Turn Around	
Project Number:	03A197018	☒ Routine ☐ Rush	
Project Location:	Eddy County	Due Date:	
Sampler's Name:	Ui Chen	TAT starts the day received by the lab, if received by 4:30pm	
PO #:	N/A		

SAMPLE RECEIPT			
Temp Blank:	Yes No	Wet Ice:	Yes No
Samples Received Intact:	Yes No	Thermometer ID:	T-NM-007
Cooler Custody Seals:	Yes No N/A	Correction Factor:	-0.2
Sample Custody Seals:	Yes No N/A	Temperature Reading:	1.6
Total Containers:		Corrected Temperature:	1.4

ANALYSIS REQUEST

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Pres. Code	Parameters: Chloride (epa: 300.0)	TPH (8015)	BTEX (8021)
BH01	S	5/19/22	905	1'	G	1		X	X	X
BH01			930	4.5'						
BH02			935	1'						
BH02			1000	4.5'						
BH03			1005	1'						
BH03			1020	4.5'						
BH04			1025	1'						
BH04			1040	4.5'						
BH05			1045	1'						
BH05			1000	4.5'						

890-2328 Chain of Custody

Preservative Codes

None: NO — Di Water: H_2O
Cool: Cool — MeOH: Me
HCL: HC — HNO_3: HN
H_2SO_4: H_2 — NaOH: Na
H_3PO_4: HP
$NaHSO_4$: NABIS
$Na_2S_2O_3$: $NaSO_3$
Zn Acetate+NaOH: Zn
NaOH+Ascorbic Acid: SAPC

Sample Comments

Cost center #
0161093901

Incident # / RP #
2RP-3322
(NAB1520234224)

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO_2 Na Sr Tl Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010 : 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U Hg: 1631 / 245.1 / 7470 / 7471

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1		5/20/22 12:35	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

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Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300
Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334
EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

Work Order No: _____

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Project Manager:	Anna Byers	Bill to: (if different)	Jim Raley
Company Name:	Ensolum	Company Name:	~~Devon~~ WPX
Address:	3122 Natl. Parks Hwy	Address:	5315 Buena Vista Dr.
City, State ZIP:	Carlsbad NM 88220	City, State ZIP:	Carlsbad NM 88220
Phone:	575-200-6754	Email:	abyers@ensolum.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Ross Draw Unit #034	Turn Around	
Project Number:	03A1907012	☒ Routine ☐ Rush	
Project Location:	Eddy County	Due Date:	
Sampler's Name:	Liz Cheli	TAT starts the day received by the lab, if received by 4:30pm	
PO #:	N/A		

SAMPLE RECEIPT	Temp Blank:	Yes No	Wet Ice:	Yes No
Samples Received Intact:	Yes No	Thermometer ID:		
Cooler Custody Seals:	Yes No N/A	Correction Factor:		
Sample Custody Seals:	Yes No N/A	Temperature Reading:		
Total Containers:		Corrected Temperature:		

ec first page

Preservative Codes

None: NO DI Water: H_2O
Cool: Cool MeOH: Me
HCL: HC HNO_3: HN
H_2SO_4: H_2 NaOH: Na
H_3PO_4: HP
$NaHSO_4$: NABIS
$Na_2S_2O_3$: NaSO$_3$
Zn Acetate+NaOH: Zn
NaOH+Ascorbic Acid: SAPC

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Pres. Code	Parameters: Chloride (epa 300.0)	TPH (8015)	BTEX (8021)	Sample Comments
BH06	S	5/19/22	1105	1'	G	1		x	x	x	Cost Center:
BH06			1120	4.5							1061093901
BH07			1125	1'							
BH07			1140	4.5'							Incident #/RP #:
BH08			1145	1'							2RP-3322
BH08			1200	4.5'							(nAB1528240224)
BH09			1245	1'							
BH09			1255	3'							
BH09			1300	4.5							
BH10	↓	↓	1455	1'	↓	↓		↓	↓	↓	

ANALYSIS REQUEST

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO_2 Na Sr Tl Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010 : 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U Hg: 1631 / 245.1 / 7470 / 7471

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1		5/20/22 12:39	2		
3			4		
5			6		

Revised Date 08/25/2020 Rev. 2020.2

eurofins | Environment Testing Xenco

Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300
Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334
EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

Work Order No: _____

www.xenco.com Page 3 of 3

Project Manager:	Anna Byers	Bill to: (if different)	Jim Raley
Company Name:	Ensolum	Company Name:	WPX
Address:	3122 Nati. Parks HWY	Address:	5315 Buena Vista Dr
City, State ZIP:	Carlsbad NM 88220	City, State ZIP:	Carlsbad NM 88220
Phone:	575-200-6754 Email:		abayes@ensolum.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Ross Draw Unit #034H	Turn Around	
Project Number:	03A1987018	☑ Routine ☐ Rush	
Project Location:	Eddy County	Due Date:	
Sampler's Name:	Liz Chelli	TAT starts the day received by the lab, if received by 4:30pm	
PO #:	N/a		

SAMPLE RECEIPT			
Temp Blank:	Yes No	Wet Ice:	Yes No
Samples Received Intact:	Yes No	Thermometer ID:	
Cooler Custody Seals:	Yes No N/A	Correction Factor:	
Sample Custody Seals:	Yes No N/A	Temperature Reading:	
Total Containers:		Corrected Temperature:	

See Email pgs

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Pres. Code	Parameters: CHLORide (EPA:300)	TPH (8015)	BTEX (8021)	Sample Comments
BH10	S	5/19/22	1505	3'	G	1		X	X	X	Cost Center # 1061093901
BH10	S	5/19/22	1510	4.5'	G	1		X	X	X	Incident # NRPH 2RP-3322 nab1528240224

Preservative Codes

None: NO DI Water: H_2O
Cool: Cool MeOH: Me
HCL: HC HNO_3: HN
H_2SO_4: H_2 NaOH: Na
H_3PO_4: HP
$NaHSO_4$: NABIS
$Na_2S_2O_3$: NaSO$_3$
Zn Acetate+NaOH: Zn
NaOH+Ascorbic Acid: SAPC

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO_2 Na Sr Tl Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010 : 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U Hg: 1631 / 245.1 / 7470 / 7471

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1		5/20/22 12:36	4		
3			6		
5					

Revised Date: 08/25/2020 Rev. 2020.2

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220
Phone: 575-988-3199 Fax 575-988-3199

Chain of Custody Record

eurofins | Environment Testing America

Client Information (Sub Contract Lab)	Sampler	Lab PM: Kramer Jessica	Carrier Tracking No(s)	COC No: 890-764 1
Client Contact: Shipping/Receiving	Phone	E-Mail: Jessica Kramer@et.eurofinsus com	State of Origin: New Mexico	Page: Page 1 of 3
Company: Eurofins Environment Testing South Centr		Accreditations Required (See note): NELAP - Texas		Job #: 890-2328-1
Address: 1211 W Florida Ave ,	Due Date Requested: 5/26/2022			
City: Midland	TAT Requested (days)			
State, Zip: TX, 79701				
Phone: 432-704-5440(Tel)	PO #:			
Email	WO #:			
Project Name: ROSS DRAW UNIT #OBU	Project #: 89000084			
Site:	SSOW#:			

Analysis Requested

Preservation Codes

A HCL, B NaOH, C Zn Acetate, D Nitric Acid, E NaHSO4, F MeOH, G - Amchlor, H Ascorbic Acid, I Ice, J DI Water, K EDTA, L EDA, M Hexane, N None, O AsNaO2, P Na2O4S, Q Na2SO3, R Na2S2O3, S H2SO4, T TSP Dodecahydrate, U Acetone, V MCAA, W pH 4-5, Y Trizma, Z other (specify)

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8016MOD_Calc	8015MOD_NM/8015NM_S_Prep Full TPH	300_ORGFM_28D/DI_LEACH Chloride	8021B/5036FP_Calc BTEX	Total_BTEX_GCV	Total Number of containers	Special Instructions/Note
			Preservation Code:										
BH01 (890-2328-1)	5/19/22	09 05 Mountain		Solid			X	X	X	X	X	1	
BH01 (890-2328-2)	5/19/22	09 30 Mountain		Solid			X	X	X	X	X	1	
BH02 (890-2328-3)	5/19/22	09 35 Mountain		Solid			X	X	X	X	X	1	
BH02 (890-2328-4)	5/19/22	10 00 Mountain		Solid			X	X	X	X	X	1	
BH03 (890-2328-5)	5/19/22	10 05 Mountain		Solid			X	X	X	X	X	1	
BH03 (890-2328-6)	5/19/22	10 20 Mountain		Solid			X	X	X	X	X	1	
BH04 (890-2328-7)	5/19/22	10 25 Mountain		Solid			X	X	X	X	X	1	
BH04 (890-2328-8)	5/19/22	10 40 Mountain		Solid			X	X	X	X	X	1	
BH05 (890-2328-9)	5/19/22	10 45 Mountain		Solid			X	X	X	X	X	1	

Note Since laboratory accreditations are subject to change Eurofins Environment Testing South Central LLC places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories This sample shipment is forwarded under chain-of-custody If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed the samples must be shipped back to the Eurofins Environment Testing South Central LLC 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.

Possible Hazard Identification: Unconfirmed	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month): ☐ Return To Client ☐ Disposal By Lab ☐ Archive For ____ Months
Deliverable Requested I II III IV Other (specify) Primary Deliverable Rank. 2	Special Instructions/QC Requirements

Empty Kit Relinquished by	Date	Time	Method of Shipment:

Relinquished by: NOlivas 5.20.22	Date/Time	Company	Received by: JKramer	Date/Time: 5/23/22 800	Company
Relinquished by:	Date/Time	Company	Received by:	Date/Time	Company
Relinquished by:	Date/Time	Company	Received by:	Date/Time	Company

Custody Seals Intact. ∆ Yes ∆ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks: 2.1/1.9

Ver: 06/08/2021

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220
Phone 575-988-3199 Fax 575-988-3199

Chain of Custody Record

eurofins | Environment Testing America

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Kramer Jessica	Carrier Tracking No(s):	COC No: 890-764 2
Client Contact: Shipping/Receiving	Phone:	E-Mail: Jessica Kramer@et.eurofinsus com	State of Origin: New Mexico	Page: Page 2 of 3
Company: Eurofins Environment Testing South Centr		Accreditations Required (See note): NELAP - Texas		Job #: 890-2328-1
Address: 1211 W Florida Ave	Due Date Requested: 5/26/2022			
City: Midland	TAT Requested (days):			
State, Zip: TX 79701				
Phone: 432-704-5440(Tel)	PO #:			
Email	WO #:			
Project Name: ROSS DRAW UNIT #OBU	Project #: 89000084			
Site	SSOW#:			

Analysis Requested

Preservation Codes

A HCL, B NaOH, C - Zn Acetate, D Nitric Acid, E NaHSO4, F MeOH, G Amchlor, H Ascorbic Acid, I Ice, J DI Water, K EDTA, L EDA, M - Hexane, N None, O AsNaO2, P Na2O4S, Q Na2SO3, R - Na2S2O3, S H2SO4, T TSP Dodecahydrate, U Acetone, V MCAA, W pH 4-5, Y Trizma, Z other (specify)

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8015MOD_Calc	8015MOD_NM/8015NM_S_Prep Full TPH	300_ORGFM_28D/DI_LEACH Chloride	8021B/5035FP_Calc BTEX	Total_BTEX_GCV	Total Number of containers	Special Instructions/Note
			Preservation Code:										
BH05 (890-2328-10)	5/19/22	11 00 Mountain		Solid			X	X	X	X	X	1	
BH06 (890-2328-11)	5/19/22	11 05 Mountain		Solid			X	X	X	X	X	1	
BH06 (890-2328-12)	5/19/22	11 20 Mountain		Solid			X	X	X	X	X	1	
BH07 (890-2328-13)	5/19/22	11 25 Mountain		Solid			X	X	X	X	X	1	
BH07 (890-2328-14)	5/19/22	11 40 Mountain		Solid			X	X	X	X	X	1	
BH08 (890-2328-15)	5/19/22	11 45 Mountain		Solid			X	X	X	X	X	1	
BH08 (890-2328-16)	5/19/22	12 00 Mountain		Solid			X	X	X	X	X	1	
BH09 (890-2328-17)	5/19/22	12 45 Mountain		Solid			X	X	X	X	X	1	
BH09 (890-2328-18)	5/19/22	12 55 Mountain		Solid			X	X	X	X	X	1	

Note: Since laboratory accreditations are subject to change Eurofins Environment Testing South Central, LLC places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories This sample shipment is forwarded under chain-of-custody If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed the samples must be shipped back to the Eurofins Environment Testing South Central LLC 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.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested I II III IV Other (specify) Primary Deliverable Rank 2	Special Instructions/QC Requirements

Empty Kit Relinquished by:	Date	Time	Method of Shipment:

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1	N Olivas 5.20.22	Date/Time:	Company	Kramer	5/23/22 800	Company
2	Relinquished by:	Date/Time	Company	Received by:	Date/Time	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks: 2.1/1.9

Ver: 06/08/2021

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220
Phone. 575-988-3199 Fax 575-988-3199

Chain of Custody Record

eurofins | Environment Testing America

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Kramer Jessica	Carrier Tracking No(s):	COC No: 890-764 3
Client Contact: Shipping/Receiving	Phone:	E-Mail: Jessica Kramer@et.eurofinsus com	State of Origin: New Mexico	Page: Page 3 of 3
Company: Eurofins Environment Testing South Centr		Accreditations Required (See note): NELAP - Texas		Job #: 890-2328-1
Address: 1211 W Florida Ave ,	Due Date Requested: 5/26/2022			
City: Midland	TAT Requested (days):			
State Zip: TX 79701				
Phone: 432-704-5440(Tel)	PO #:			
Email	WO #:			
Project Name: ROSS DRAW UNIT #OBU	Project #: 89000084			
Site:	SSOW#:			

Preservation Codes

A HCL, B NaOH, C Zn Acetate, D Nitric Acid, E NaHSO4, F MeOH, G Amchlor, H Ascorbic Acid, I Ice, J DI Water, K EDTA, L EDA, M Hexane, N None, O AsNaO2, P Na2O4S, Q Na2SO3, R Na2S2O3, S H2SO4, T TSP Dodecahydrate, U Acetone, V MCAA, W pH 4-5, Y Trizma, Z other (specify)

Other:

Analysis Requested

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8015MOD_Calc	8015MOD_NM/8015NM_S_Prep Full TPH	300_ORGFM_28D/DI_LEACH Chloride	8021B/6035FP_Calc BTEX	Total_BTEX_GCV	Total Number of containers	Special Instructions/Note
			Preservation Code:										
BH09 (890-2328-19)	5/19/22	13 00 Mountain		Solid			X	X	X	X	X	1	
BH10 (890-2328-20)	5/19/22	14 55 Mountain		Solid			X	X	X	X	X	1	
BH10 (890-2328-21)	5/19/22	15 05 Mountain		Solid			X	X	X	X	X	1	
BH10 (890-2328-22)	5/19/22	15 10 Mountain		Solid			X	X	X	X	X	1	

Note Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central LLC places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed the samples must be shipped back to the Eurofins Environment Testing South Central LLC 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.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested I II III IV Other (specify) Primary Deliverable Rank 2	Special Instructions/QC Requirements

Empty Kit Relinquished by:	Date	Time	Method of Shipment:
Relinquished by: N Olivas 5.20.22	Date/Time:	Company	Received by: Kramer
Relinquished by:	Date/Time	Company	Received by: Date/Time: Company
Relinquished by:	Date/Time	Company	Received by: Date/Time: Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks

Ver: 06/08/2021

Login Sample Receipt Checklist

Client: Ensolum

Job Number: 890-2328-1
SDG Number: 03A197018

Login Number: 2328
List Number: 1
Creator: Olivas, Nathaniel

List Source: Eurofins Carlsbad

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

Login Sample Receipt Checklist

Client: Ensolum

Job Number: 890-2328-1
SDG Number: 03A197018

Login Number: 2328
List Number: 2
Creator: Kramer, Jessica

List Source: Eurofins Midland
List Creation: 05/23/22 08:18 AM

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	2.1/1.9
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

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

Action 126786

CONDITIONS

Operator:	OGRID:
WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	246289
	Action Number: 126786
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
bhall	Five-point composite confirmation samples representative of no more than 200 square feet must be collected from the base and walls of the excavation prior to backfilling activities.	12/29/2022
bhall	2RP-3322 closed. Refer to incident #nAB1528240224 in all future communication.	12/29/2022