District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources Department

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

Form C-141
Revised August 24, 2018
Submit to appropriate OCD District office

Incident ID	
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party	Enterprise Field Services LLC	OGRID	241602
Contact Name	Maria Lerma	Contact Telephone	432-686-5404
Contact email	mmlerma@eprod.com	Incident # *(assigned by OCD)*	
Contact mailing address	PO Box 4324, Houston, TX 77210		

Location of Release Source

Latitude 32.6522 Longitude -103.7964
(NAD 83 in decimal degrees to 5 decimal places)

Site Name	Peashooter 6" Pipeline	Site Type	Gathering Pipeline
Date Release Discovered	December 17, 2020	API# *(if applicable)*	

Unit Letter	Section	Township	Range	County
D	20	19S	32E	Lea

Surface Owner: ☐ State ☒ Federal ☐ Tribal ☐ Private (*Name:BLM*)

Nature and Volume of Release

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

☐ Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
☐ Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	☐ Yes ☐ No
☒ Condensate	Volume Released (bbls) approximately 10 bbls	Volume Recovered (bbls) - 0
☒ Natural Gas	Volume Released (Mcf) 38	Volume Recovered (Mcf) - 0
☐ Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release

Found (2) pin hole leaks on 6" pipeline.

Incident ID	
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? ☐ Yes ☒ No	If YES, for what reason(s) does the responsible party consider this a major release?

Closure

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

Closure Report Attachment Checklist: ***Each of the following items must be included in the closure report***

☒ A scaled site and sampling diagram as described in 19.15.29.11 NMAC

☒ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)

☒ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)

☒ Description of remediation activities

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. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Printed Name: Jon E. Fields Title: Director, Field Environmental

Signature: Jon E. Fields Date: 3/9/2021

email: jefields@eprod.com Telephone: 713-381-6684

Incident ID	
District RP	
Facility ID	
Application ID	

OCD Only

Received by: Chad Hensley Date: 04/09/2021

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by: Chad Hensley Date: 04/09/2021

Printed Name: Chad Hensley Title: Environmental Specialist Advanced

ENSOLUM

CLOSURE REPORT

Property:

Peashooter 6" Leak

Lea County, New Mexico
32.652432 N, 103.796134 W
NMOCD Incident # NAPP2036546170
Enterprise ECIRT # 93194

February 26, 2021
Ensolum Project No. 03B1226040

Prepared for:

Enterprise Field Services, LLC
P.O. Box 4324
Houston, TX 77210
Attn: Ms. Maria Lerma

Prepared by:

Beaux Jennings
Senior Project Manager

Liz Scaggs, PG
Principal

ENSOLUM

TABLE OF CONTENTS

LIST OF APPENDICES

ENSOLUM

CLOSURE REPORT

Peashooter 6" Leak

Lea County, New Mexico
32.652432 N, 103.796134 W
NMOCD Incident # NAPP2036546170
Enterprise Spill # 93194

Ensolum Project No. 03B1226040

1.0 INTRODUCTION

1.1 Executive Summary

- On December 17, 2020, a leak was reported due to possible corrosion along Line ID 2012-3. Approximately 10 barrels (bbls) of natural gas liquids were released and the gas loss was reported at 38 thousand standard cubic feet (MSCF). The line was isolated and blown down for repair, with a clamp attached to stop further leaks. The impacted area was then excavated by New Mexico Rentals (NMR) and all impacted soil was placed into stockpiles that were staged at the Peashooter 6" Leak, hereinafter referred to as the "Site".

- On December 29, 2020, Ensolum arrived at the Site and collected six (6) composite soil samples (CS-1 through CS-6) from the Disturbed Soil Excavation at a depth of four (4) feet to 14 feet bgs.

- On December 30, 2020, NMR continued excavation activities. Ensolum arrived at the Site and collected 14 composite soil samples (CS-7 through CS-20) from the Reclamation Soil Excavation and four (4) soil stockpile samples from the stockpiles staged on-Site.

- On January 20, 2021, a new pinhole leak was discovered within the excavation, five (5) feet north of the original release. Subsequent to additional excavation activities by NMR, composite soil samples CS-19 and CS-21 were resampled, and composite samples CS-22 and CS-23 were collected by Ensolum.

- The primary objective of the closure activities was to reduce COC concentrations in the on-Site soils to below the applicable New Mexico EMNRD OCD Closure Criteria for Soils Impacted by a Release using the New Mexico EMNRD OCD's NMAC 19.15.29 *Releases* as guidance.

- A total of 27 composite soil samples from 23 locations were collected from the Disturbed Soil and Reclamation Soil Excavation areas and five (5) stockpile soil samples were collected from the on-Site soil stockpiles. Based on the final soil sample analytical results, the final composite soil samples (CS-1 through CS-23) are below the applicable NMOCD Closure Criteria. Based on the final soil sample analytical results, the soil stockpile samples were above the applicable NMOCD Closure Criteria. The soil stockpiles staged on-Site will be taken off-Site by NMR to Lea Land Inc. for proper disposal.

Based on field observations and laboratory analytical results, no additional investigation or corrective action appears warranted at this time.

1.2 Site Description & Background

Operator:	Enterprise Field Services, LLC (Enterprise)
Site Name:	Peashooter 6" Leak
Location:	32.652432 N, 103.796134 W Section 20, Township 19 South, Range 32 East Lea County, New Mexico
Property:	Bureau of Land Management (BLM)
Regulatory:	New Mexico Energy, Minerals and Natural Resources Department (EMNRD) Oil Conservation Division (OCD)

On December 17, 2020, a leak was reported due to possible corrosion along Line ID 2012-3. Approximately 10 bbls of natural gas liquids were released and the gas loss was reported at 38 MSCF. The line was isolated and blown down for repair, with a clamp attached to stop further leaks.

The Topographic Map depicting the location of the Site is included as **Figure 1**, the Site Vicinity Map is included as **Figure 2,** the Site Map indicating the locations of composite soil samples and soil stockpiles is included as **Figure 3,** the Reclamation Soil Excavation Map indicating composite samples from zero (0) to four (4) feet below ground surface (bgs) as **Figure 3A,** the Disturbed Soil Excavation Map indicating composite samples from four (4) to 14 feet bgs as **Figure 3B,** and the Closure Criteria Map is included as **Figure 4** in **Appendix A**.

1.3 Project Objective

The primary objective of the closure activities was to reduce constituent of concern (COC) concentrations in the on-Site soils to below the applicable New Mexico EMNRD OCD closure criteria concentrations.

2.0 CLOSURE CRITERIA

The Site is subject to regulatory oversight by the New Mexico EMNRD OCD. In order to address activities related to exempt oil and gas releases, the New Mexico EMNRD OCD references New Mexico Administrative Code (NMAC) 19.15.29 *Releases,* which establishes investigation and abatement action requirements for sites subject to reporting and/or corrective action. Ensolum, LLC (Ensolum) utilized information provided by Enterprise, the general site characteristics, and information available from the New Mexico Office of the State Engineer (OSE) and the New Mexico EMNRD OCD Imaging database to determine the appropriate closure criteria for the Site.

Supporting documentation associated with the following bullets are provided in **Appendix B**.

- Three (3) Cathodic Protection (CP) wells were identified within a half-mile of the Site on the OSE Water Rights Reporting System (WRRS) database with a maximum depth of 345 feet to water. Due to the ages of three (3) of the wells being over 25 years, the strictest closure criteria will be utilized for the area known as the Reclamation Soil Excavation, which encompasses the upper four (4) feet of the total excavation.

- Three (3) CP wells were identified within a half-mile of the Site to the Northeast on the OSE WRRS database. The maximum depth of these wells is 70 feet bgs. Due to no known water being present in said wells at 70 feet bgs, closure criteria will be utilized for 51 feet to 100 feet for the area known as the Disturbed Soil Excavation, which encompasses four (4) feet to 14 feet bgs.

New Mexico OSE WRRS			
Well #	**Distance from Site**	**Direction from Site**	**Well Status**
CP-01656-POD1	0.33 miles	Northeast	Plugged & Abandoned
CP-01656-POD2	0.33 miles	Northeast	Plugged & Abandoned
CP-01656-POD3	0.33 miles	Northeast	Plugged & Abandoned
CP-00563-POD1	0.49 miles	West	Incomplete
CP-00639-POD1	0.33 miles	Southeast	Plugged & Abandoned
CP-00640-POD1	0.19 miles	Southwest	Plugged & Abandoned

- The Site is not located within 300 feet of a New Mexico ENMRD OCD-defined continuously flowing watercourse or any other significant watercourse.
- The Site is not located within 200 feet of a lakebed, sinkhole, or playa lake.
- The Site is not located within 300 feet from an occupied permanent residence, school, hospital, institution, or church.
- According to the OSE WRSS database there are no private, domestic freshwater wells used by less than five (5) households for domestic or stock water purposes identified within 500 feet of the Site.
- According to the OSE WRSS database there are no freshwater wells identified within 1,000 feet of the Site as declared in the previous bullet.
- The Site is not located within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance adopted pursuant to NMSA 1978, Section 3-27-3.
- The Site is not located within 300 feet of a wetland.
- Based on information identified on the New Mexico Mining and Minerals Division's GIS, Maps and Mine Data database, the Site is not located within an area overlying a subsurface mine.
- The Site is not located within an unstable area.
- The Site is noted to be located within a 100-year floodplain.

Based on the identified siting criteria, cleanup goals for soils remaining in place at the Site include:

Closure Criteria for Soils Impacted by a Release			
Minimum depth below any point within horizontal boundary of the release to groundwater less than 10,000 mg/l TDS	Constituent	Method	Limit
≤50 feet	Chloride	EPA 300.0 or SM4500 Cl B	600 mg/kg
	TPH (GRO+DRO+MRO)	EPA SW-846 Method 8015M	100 mg/kg
	BTEX	EPA SW-846 Method 8021B or 8260B	50 mg/kg
	Benzene	EPA SW-846 Method 8021B or 8260B	10 mg/kg
51 feet – 100 feet	Chloride	EPA 300.0 or SM4500 Cl B	10,000 mg/kg
	TPH (GRO+DRO+MRO)	EPA SW-846 Method 8015M	2,500 mg/kg
	GRO+DRO	EPA SW-846 Method 8015M	1,000 mg/kg
	BTEX	EPA SW-846 Method 8021B or 8260B	50 mg/kg
	Benzene	EPA SW-846 Method 8021B or 8260B	10 mg/kg

3.0 SOIL REMEDIATION ACTIVITIES

On December 17, 2020, a leak was reported due to possible corrosion along Line ID 2012-3. Approximately 10 bbls of natural gas liquids were released and the gas loss was reported at 38 MSCF. The line was isolated and blown down for repair, with a clamp attached to stop further leaks. The impacted area was then excavated by New Mexico Rentals (NMR) and all impacted soil was placed into stockpiles that were staged on-Site.

On December 18, 2020, Ensolum was contacted by Enterprise with the purpose of sampling the excavated area as well as the associated soil stockpiles staged on-Site to determine if further excavation was required.

On December 29, 2020, Ensolum arrived on-Site and collected six (6) composite soil samples (CS-1 through CS-6) from the Disturbed Soil Excavation area from four (4) to 14 feet bgs, which were analyzed for benzene, toluene, ethylbenzene, and xylene (BTEX), total petroleum hydrocarbons (TPH) and chloride in accordance with New Mexico Oil Conservation Division (NMOCD) Closure Criteria for Soils Impacted by a Release (NMOCD Closure Criteria). Composite soil samples CS-1 through CS-6 exhibited results below the applicable NMOCD Closure Criteria.

On December 30, 2020, NMR continued excavation at the Site. Ensolum arrived on-Site and collected 14 composite soil samples (CS-7 through CS-20) from the Reclamation Soil Excavation area from zero (0) to four (4) feet bgs, and four (4) soil stockpile samples (STP-1 through STP-4) from the excavated areas. The composite soil samples CS-7 through CS-10, CS-12 through CS-18, and CS-20 all exhibited results below the applicable NMOCD Closure Criteria. The composite soil samples CS-11 and CS-19 exhibited total TPH results of 313 milligrams per kilogram (mg/kg) and 115 mg/kg, respectively, which exceed the applicable NMOCD Closure Criteria of 100 mg/kg. Additional Excavation was required.

On January 11, 2021, NMR completed over excavation activities. Ensolum arrived on-Site and collected the composite soil samples CS-11, CS-19, and CS-21 from the excavated area at depths of five (5) , four (4) and two (2) feet, respectively. The composite soil sample CS-11 exhibited results below the applicable NMOCD Closure Criteria. Composite soil sample CS-19 and CS-21 exhibited total TPH concentrations of 278 mg/kg and 856 mg/kg, which exceed the NMOCD Closure Criteria of 100 mg/kg.

On January 20, 2021, another leak was discovered five (5) feet north of the original release. The pinhole leak was clamped, and the impacted soil was excavated. Based on the laboratory analytical results for CS-19 and CS-21, and the new leak, additional excavation was completed. Ensolum arrived on-Site and collected the composite soil samples CS-19, CS-21, CS-22, and CS-23 from the excavated area at depths ranging from zero (0) to five (5) feet bgs. The composite soil samples exhibited results below the applicable NMOCD Closure Criteria.

All soil stockpiles staged on-Site will be taken off-Site by NMR to Lea Land Inc. for proper disposal.

The final impacted area measured approximately 77 feet long and 35 feet wide at the maximum extents. The maximum depth of the excavation measured approximately 14 feet bgs.

The lithology encountered during the completion of sampling activities consisted primarily fine-grained sand from zero (0) to four (4) feet bgs and of unconsolidated caliche from four (4) to 14 feet bgs.

Figure 3A identifies approximate composite soil sample locations and approximate dimensions of the Reclamation Soil Excavation and **Figure 3B** identifies approximate composite soil sample locations and approximate dimensions of the Disturbed Soil Excavation with respect to the Site (**Appendix A**). Photographic documentation of the field activities is included in **Appendix C**.

4.0 SOIL SAMPLING PROGRAM

Ensolum's soil sampling program included the collection of 27 composite soil samples from 23 locations (CS-1 through CS-23) from the excavation area and five (5) composite stockpile soil sample (STP-1 through STP-5).

The samples were collected and placed in laboratory prepared glassware, labeled/sealed using laboratory supplied labels and custody seals, and stored on ice in a cooler. The samples were relinquished to Eurofins Xenco, LLC in Midland, Texas for an expedited laboratory analysis.

5.0 SOIL LABORATORY ANALYTICAL METHODS

The composite soil samples were analyzed for BTEX utilizing Environmental Protection Agency (EPA) SW-846 Method 8021B, TPH gasoline range organics (GRO), diesel range organics (DRO), and motor oil/lube oil range organics (MRO) utilizing EPA SW-846 Method 8015M, and chloride utilizing EPA Method 300.0.

Laboratory analytical results are summarized in **Table 1** for Reclamation Soil and in **Table 2** for Disturbed Soil in **Appendix D**. The executed chain-of-custody forms and laboratory analytical reports are provided in **Appendix E**.

6.0 DATA EVALUATION

Ensolum compared the BTEX, TPH GRO/DRO/MRO, and chloride concentrations associated with the final composite soil samples (CS-1 through CS-23) and composite stockpile soil samples (STP-1 through STP-5) to the applicable NMOCD Closure Criteria.

- Laboratory analytical results indicate benzene concentrations for the final composite soil samples and composite stockpile soil samples in the Reclamation Soil Excavation and Disturbed Soil Excavation are below the applicable NMOCD Closure Criteria of 10 mg/kg.

- Laboratory analytical results indicate that total BTEX concentrations for the final composite soil samples in the Reclamation Soil Excavation and the Disturbed Soil Excavation are below the laboratory sample detection limits (SDLs) and/or the applicable NMOCD Closure Criteria of 50 mg/kg. Laboratory analytical results indicate that the total BTEX concentrations for the final soil stockpile samples exceed the laboratory SDLs and/or the applicable NMOCD Closure Criteria of 50 mg/kg, with the highest result being 161 mg/kg. The soil stockpiles will be taken off-Site by NMR to Lea Land Inc. for proper disposal.

- Laboratory analytical results indicate combined TPH GRO/DRO/MRO concentrations for the final composite soil samples in the Reclamation Soil Excavation are below the laboratory SDLs and/or the applicable NMOCD Closure Criteria of 100 mg/kg from <50 feet. Laboratory analytical results indicate combined TPH GRO/DRO/MRO concentrations for the final soil stockpiles samples exceed the laboratory SDLs and/or the applicable NMOCD Closure Criteria of 100 mg/kg, with the highest result being 9,240 mg/kg. The soil stockpiles will be taken off-Site by NMR to Lea Land Inc. for proper disposal.

- Laboratory analytical results indicate combined TPH GRO/DRO/MRO concentrations for the final composite soil samples in the Disturbed Soil Excavation are below the laboratory SDLs and/or the applicable NMOCD Closure Criteria of 2,500 mg/kg from 51 feet to 100 feet.

- Laboratory analytical results indicate chloride concentrations for the composite soil samples and composite stockpile soil samples in the Reclamation Soil Excavation do not exceed the applicable NMOCD Closure Criteria of 600 mg/kg from <50 feet.

- Laboratory analytical results indicate chloride concentrations for the composite soil samples in the Disturbed Soil Excavation do not exceed the applicable NMOCD Closure Criteria of 10,000 mg/kg from 51 feet to 100 feet.

Laboratory analytical results are summarized in **Table 1** in **Appendix D.**

7.0 RECLAMATION AND RE-VEGETATION

During the completion of response action activities, approximately 351 cubic yards (cy) of impacted soil was excavated and stockpiled on-Site. Subsequent to composite soil sample results, the soil stockpiles will be taken off-Site by NMR to Lea Land Inc. Based on correspondence with Enterprise, the excavated area will be backfilled with clean fill material and then contoured to the original surrounding grade.

8.0 FINDINGS AND RECOMMENDATION

- On December 17, 2020, a leak was reported due to possible corrosion along Line ID 2012-3. Approximately 10 bbls of natural gas liquids were released and first hour gas loss was reported at 38 MSCF. The line was isolated and blown down for repair, with a clamp attached to stop further leaks. The site was then excavated by NMR and all impacted soil was placed into stockpiles that were staged on-Site.

- On December 29, 2020, Ensolum arrived at the Site and collected six (6) composite soil samples (CS-1 through CS-6) from the Disturbed Soil Excavation at a depth of four (4) feet to 14 feet bgs.

- On December 30, 2020, NMR continued excavation activities. Ensolum arrived at the Site and collected 14 composite soil samples (CS-7 through CS-20) from the Reclamation Soil Excavation and four (4) soil stockpile samples from the stockpiles staged on-Site.

- On January 20, 2021, a new leak was discovered within the excavation, five (5) feet north of the original release. Subsequent to additional excavation activities by NMR, composite soil samples CS-19 and CS-21 were resampled, and composite samples CS-22 and CS-23 were collected by Ensolum.

- The primary objective of the closure activities was to reduce COC concentrations in the on-Site soils to below the applicable New Mexico EMNRD OCD Closure Criteria for Soils Impacted by a Release using the New Mexico EMNRD OCD's NMAC 19.15.29 *Releases* as guidance.

- A total of 27 composite soil samples from 23 locations were collected from the Disturbed Soil and Reclamation Soil Excavation areas and five (5) stockpile soil samples were collected from the on-Site soil stockpiles. Based on the final soil sample analytical results, the final composite soil samples (CS-1 through CS-23) are below the applicable NMOCD Closure Criteria. Based on the final soil sample analytical results, the soil stockpile samples were above the applicable NMOCD Closure Criteria. The soil stockpiles staged on-Site will be taken off-Site by NMR to Lea Land Inc. for proper disposal.

Based on field observations and laboratory analytical results, no additional investigation or corrective action appears warranted at this time.

9.0 STANDARDS OF CARE, LIMITATIONS, AND RELIANCE

9.1 Standard of Care

Ensolum's services were performed in accordance with standards customarily provided by a firm rendering the same or similar services in the area during the same time period. Ensolum makes no warranties, express or implied, as to the services performed hereunder. Additionally, Ensolum does not warrant the work of third parties supplying information used in the report (e.g., laboratories, regulatory agencies, or other third parties). This scope of services was performed in accordance with the scope of work agreed with the client, as detailed in our proposal.

9.2 Limitations

Findings, conclusions, and recommendations resulting from these services are based upon information derived from the on-Site activities and other services performed under this scope of work and it should be noted that this information is subject to change over time. Certain indicators of the presence of hazardous substances, petroleum products, or other constituents may have been latent, inaccessible, unobservable, or not present during these services, and Ensolum cannot represent that the Site contains no hazardous substances, toxic materials, petroleum products, or other latent conditions beyond those identified during the investigation. Environmental conditions at other areas or portions of the Site may vary from those encountered at actual sample locations. Ensolum's findings, and recommendations are based solely upon data available to Ensolum at the time of these services.

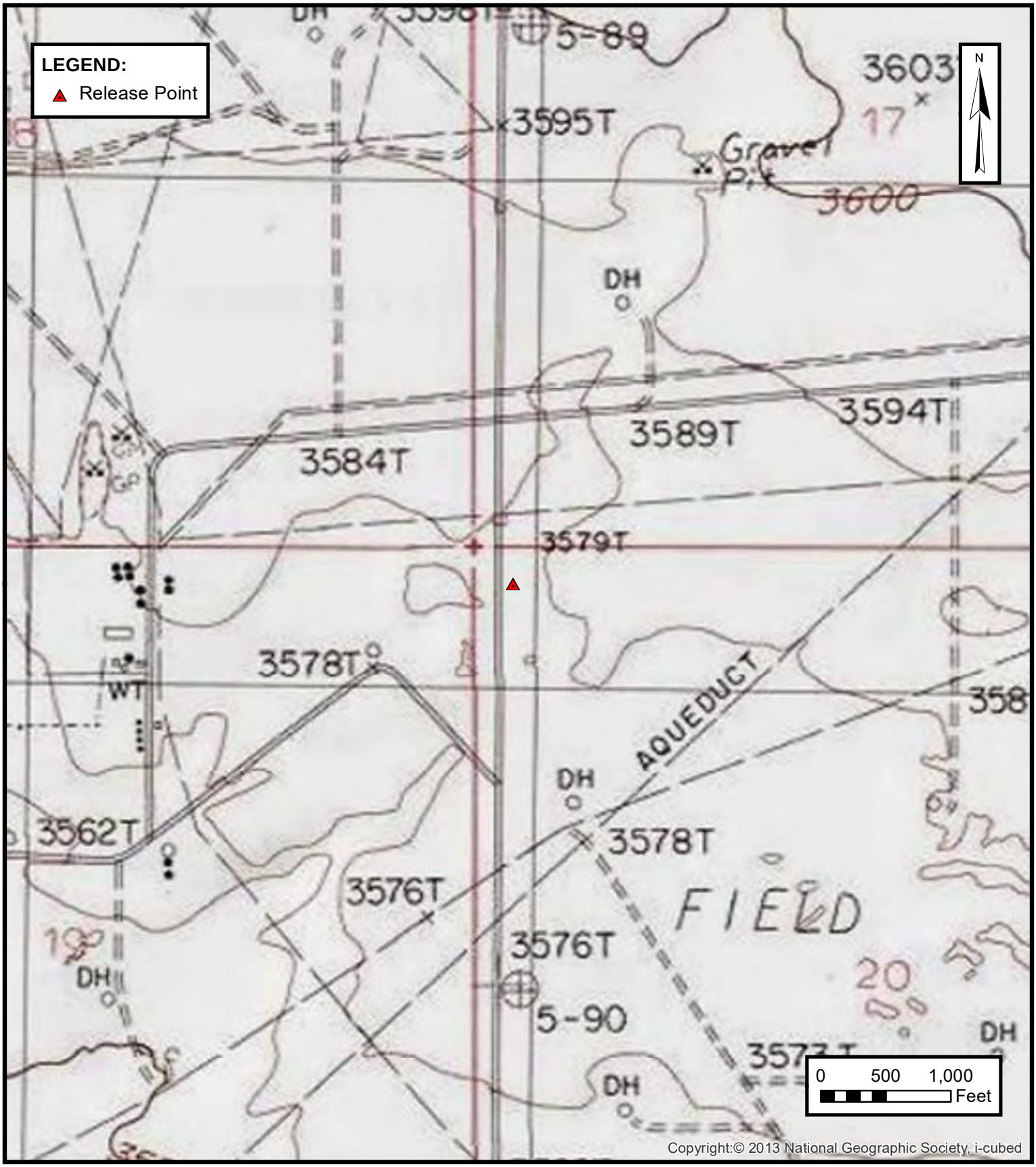
9.3 Reliance

This report has been prepared for the exclusive use of Enterprise Field Services, LLC, and any authorization for use or reliance by any other party (except a governmental entity having jurisdiction over the Site) is prohibited without the express written authorization Enterprise Field Services, LLC and Ensolum. Any unauthorized distribution or reuse is at the client's sole risk. Notwithstanding the foregoing, reliance by authorized parties will be subject to the terms, conditions and limitations stated in the Closure Report, and Ensolum's Master Services Agreement. The limitation of liability defined in the agreement is the aggregate limit of Ensolum's liability to the client.

ENSOLUM

APPENDIX A

Figures



ENSOLUM
Environmental & Hydrogeologic Consultants

TOPOGRAPHIC MAP

ENTERPRISE FIELD SERVICES, LLC
PEASHOOTER 6" LEAK
Lea County, New Mexico
32.652432° N, 103.796134° W

PROJECT NUMBER: 03B1226040

FIGURE

1

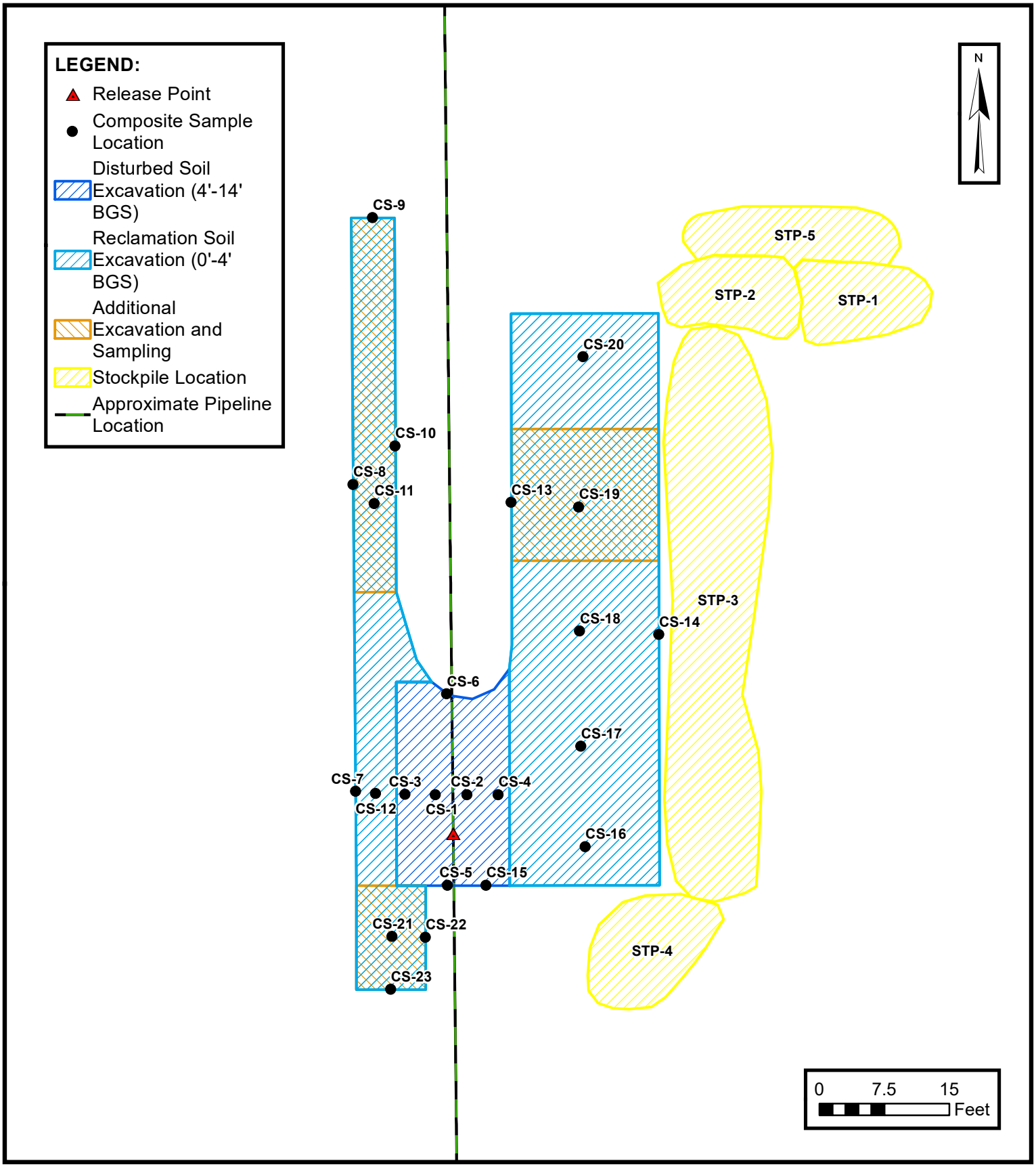
ENSOLUM
Environmental & Hydrogeologic Consultants

SITE VICINITY MAP

ENTERPRISE FIELD SERVICES, LLC
PEASHOOTER 6" LEAK
Lea County, New Mexico
32.652432° N, 103.796134° W

PROJECT NUMBER: 03B1226040

FIGURE
2



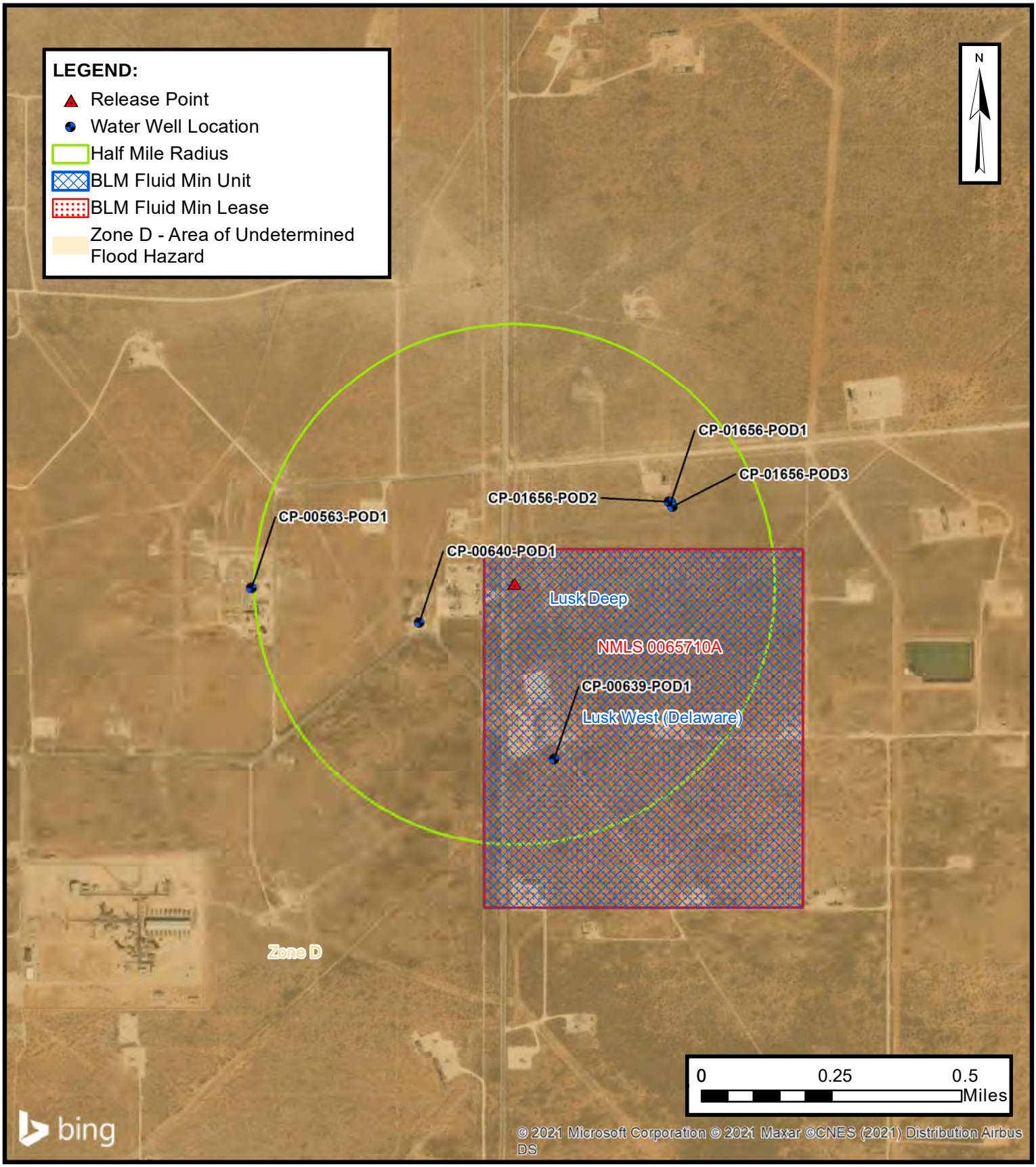
ENSOLUM
Environmental & Hydrogeologic Consultants

SITE MAP

ENTERPRISE FIELD SERVICES, LLC
PEASHOOTER 6" LEAK
Lea County, New Mexico
32.652432° N, 103.796134° W

PROJECT NUMBER: 03B1226040

FIGURE
3



ENSOLUM
Environmental & Hydrogeologic Consultants

CLOSURE CRITERIA MAP

ENTERPRISE FIELD SERVICES, LLC
PEASHOOTER 6" LEAK
Lea County, New Mexico
32.652432° N, 103.796134° W

PROJECT NUMBER: 03B1226040

FIGURE
4

ENSOLUM

APPENDIX B

Supporting Documentation

New Mexico Office of the State Engineer

Point of Diversion Summary

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest) (NAD83 UTM in meters)

Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
	CP 01656 POD1	3	4	3	17	19S	32E	613368	3613646

Driller License:	1711	**Driller Company:**	STRAUB CORPORATION		
Driller Name:	EDWARD BRYAN				
Drill Start Date:	03/28/2017	**Drill Finish Date:**	03/28/2017	**Plug Date:**	03/28/2017
Log File Date:	05/05/2017	**PCW Rcv Date:**		**Source:**	
Pump Type:		**Pipe Discharge Size:**		**Estimated Yield:**	
Casing Size:		**Depth Well:**	70 feet	**Depth Water:**	

New Mexico Office of the State Engineer

Point of Diversion Summary

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest) (NAD83 UTM in meters)

Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
	CP 01656 POD2	3	4	3	17	19S	32E	613364	3613648

Driller License: 1711 **Driller Company:** STRAUB CORPORATION

Driller Name: BRYAN, EDWARD

Drill Start Date:	03/28/2017	**Drill Finish Date:**	03/28/2017	**Plug Date:**	03/28/2017
Log File Date:	05/05/2017	**PCW Rcv Date:**		**Source:**	
Pump Type:		**Pipe Discharge Size:**		**Estimated Yield:**	
Casing Size:		**Depth Well:**	70 feet	**Depth Water:**	

New Mexico Office of the State Engineer

Point of Diversion Summary

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest) (NAD83 UTM in meters)

Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
	CP 01656 POD3	3	4	3	17	19S	32E	613374	3613633

Driller License: 1711 **Driller Company:** STRAUB CORPORATION

Driller Name: BRYAN, EDWARD

Drill Start Date:	03/28/2017	**Drill Finish Date:**	03/28/2017	**Plug Date:**	03/28/2017
Log File Date:	05/05/2017	**PCW Rcv Date:**		**Source:**	
Pump Type:		**Pipe Discharge Size:**		**Estimated Yield:**	
Casing Size:		**Depth Well:**	30 feet	**Depth Water:**	

New Mexico Office of the State Engineer

Point of Diversion Summary

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest) (NAD83 UTM in meters)

Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
	CP 00563 POD1	1	1	2	19	19S	32E	612118	3613376*

Driller License: 122 **Driller Company:** UNKNOWN

Driller Name: ARMOR SUPPLY CORPORATION

Drill Start Date:		**Drill Finish Date:**		**Plug Date:**	
Log File Date:		**PCW Rcv Date:**		**Source:**	Shallow
Pump Type:		**Pipe Discharge Size:**		**Estimated Yield:**	
Casing Size:	10.00	**Depth Well:**	300 feet	**Depth Water:**	

***UTM location was derived from PLSS - see Help**

New Mexico Office of the State Engineer

Point of Diversion Summary

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest) (NAD83 UTM in meters)

Well Tag	POD Number	Q64	Q16	Q4	Sec	Twn	Rng	X	Y
	CP 00639 POD1	3	1		20	19S	32E	613029	3612880*

Driller License:	882	**Driller Company:**	LARRY'S DRILLING & PUMP CO.		
Driller Name:	FELKINS, LARRY				
Drill Start Date:	02/09/1982	**Drill Finish Date:**	02/10/1982	**Plug Date:**	
Log File Date:	03/23/1982	**PCW Rcv Date:**		**Source:**	Shallow
Pump Type:		**Pipe Discharge Size:**		**Estimated Yield:**	
Casing Size:		**Depth Well:**	350 feet	**Depth Water:**	345 feet

***UTM location was derived from PLSS - see Help**

New Mexico Office of the State Engineer

Point of Diversion Summary

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest) (NAD83 UTM in meters)

Well Tag	POD Number	Q64	Q16	Q4	Sec	Twn	Rng	X	Y
	CP 00640 POD1		2	2	19	19S	32E	612621	3613280*

Driller License:	882	**Driller Company:**	LARRY'S DRILLING & PUMP CO.		
Driller Name:	FELKINS, LARRY				
Drill Start Date:	02/08/1982	**Drill Finish Date:**	02/09/1982	**Plug Date:**	
Log File Date:	03/04/1982	**PCW Rcv Date:**		**Source:**	Shallow
Pump Type:		**Pipe Discharge Size:**		**Estimated Yield:**	
Casing Size:		**Depth Well:**	260 feet	**Depth Water:**	102 feet

***UTM location was derived from PLSS - see Help**

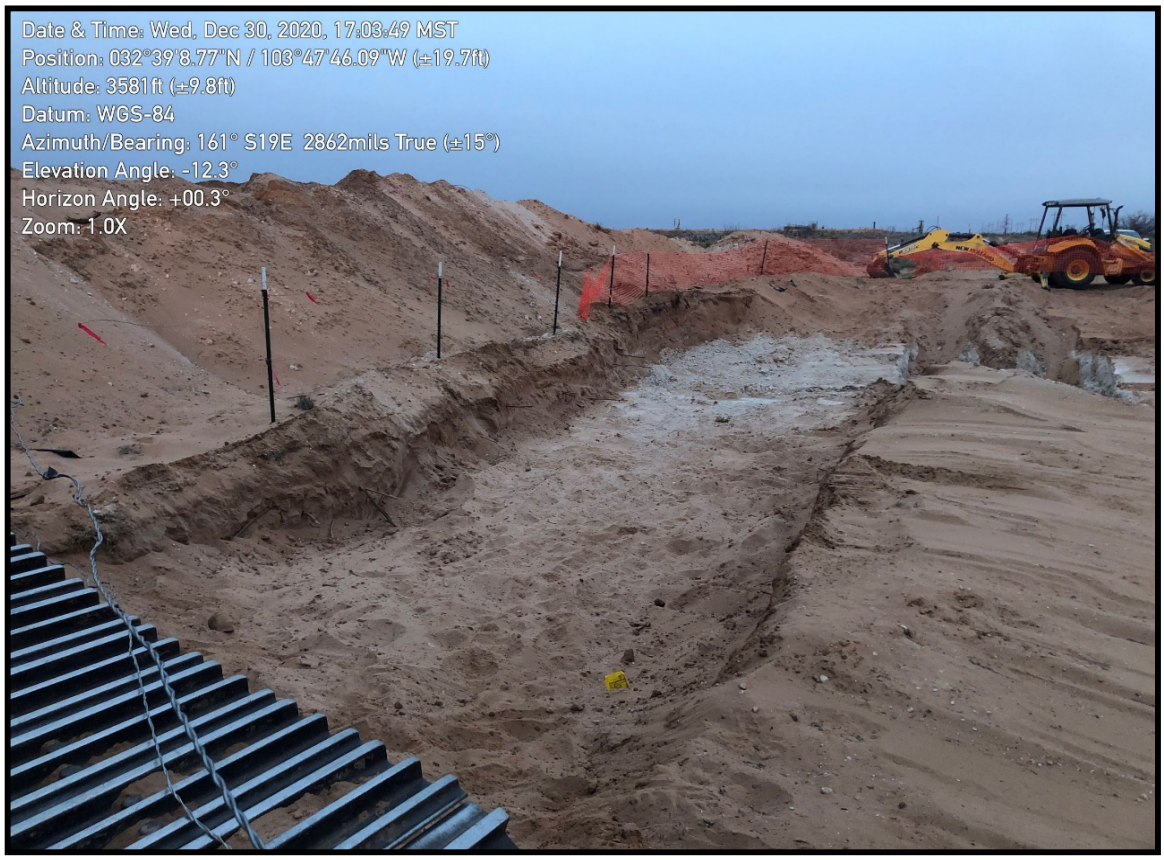
ENSOLUM

APPENDIX C

Photographic Documentation

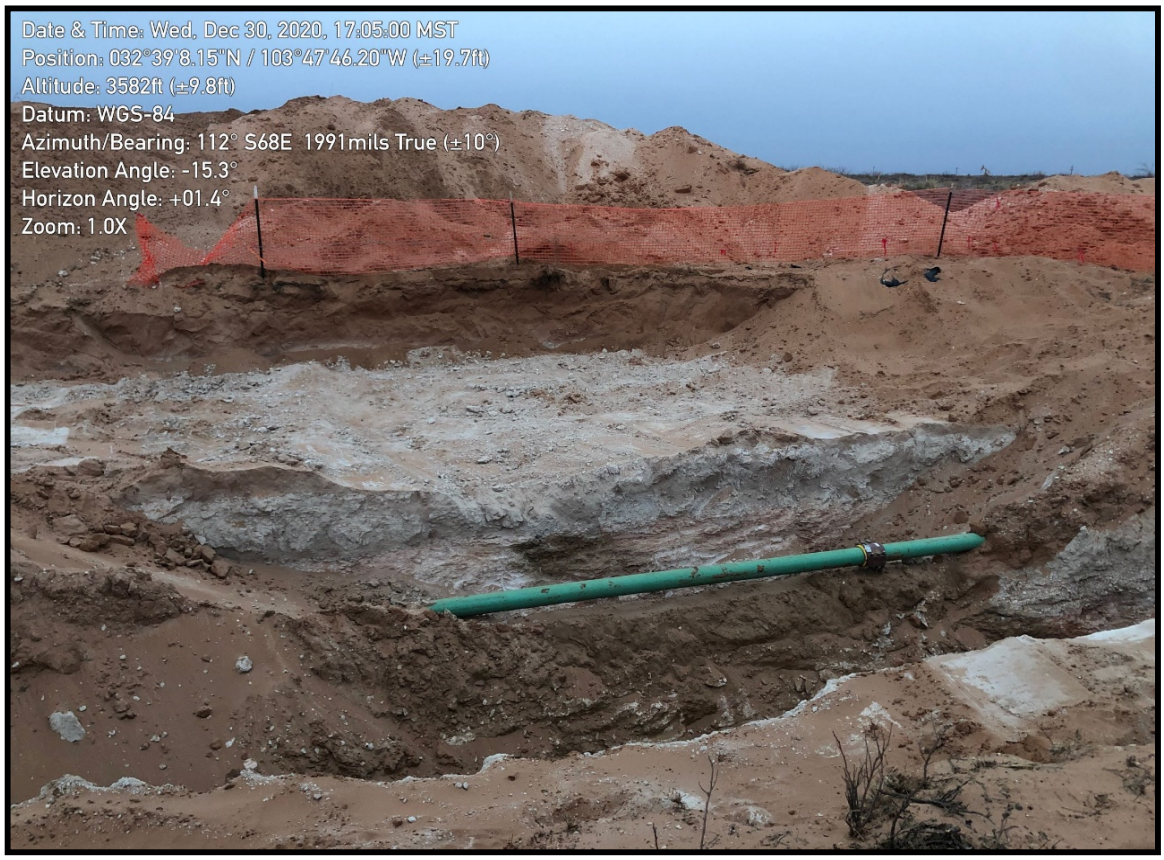
View of surficial staining during excavation activities, facing southeast.

View of surficial staining during excavation activities, facing northeast.



View of Reclamation Soil Excavation area during excavation activities, facing southeast.

View of Reclamation Soil Excavation area during excavation activities, facing south.



View of pipeline with clamp during excavation activities, facing southeast.

View of entire excavation site during excavation activities, facing northeast.

View of STP-4 during excavation activities, facing northeast.

View of STP-2 and STP-3 during excavation activities, facing southeast.

ENSOLUM

APPENDIX D

Table

ENSOLUM

TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
Enterprise Field Services, LLC - Peashooter 6" Leak
Lea County, New Mexico

Ensolum Project No. 03B1226040

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH MRO (mg/kg)	Total TPH (GRO+DRO+MRO) (mg/kg)	Chloride (mg/kg)
New Mexico Oil Conservation Division Closure Criteria for Soils Impacted by a Release (≤ 50 feet) Reclamation Excavation (0' - 4')			10	NE	NE	NE	50	NE	NE	NE	100	600
New Mexico Oil Conservation Division Closure Criteria for Soils Impacted by a Release (51 feet - 100 feet) Disturbed Soil Excavation (4' - 14')			10	NE	NE	NE	50	1,000		NE	2,500	10,000
Composite Soil Sample Analytical Results												
CS-1	12/29/2020	14	<0.000381	<0.000451	<0.000559	**0.00373**	**0.00373**	**53.2**		<15.0	**53.2**	**7.47**
CS-2	12/29/2020	14	<0.000385	<0.000456	<0.000565	**0.00373**	**0.00373**	**17.5 J**		<14.9	**17.5 J**	**44.3**
CS-3	12/29/2020	4 - 10	<0.000385	<0.000456	<0.000565	<0.000344	<0.000344	<15.0		<15.0	<15.0	**6.03**
CS-4	12/29/2020	4 - 10	<0.000386	<0.000457	<0.000567	<0.000346	<0.000346	<15.0		<15.0	<15.0	**9.94**
CS-5	12/29/2020	4 - 10	**0.00152 J**	**0.00115 J**	<0.000563	<0.000343	**0.00267**	<15.0		<15.0	<15.0	**11.0**
CS-6	12/29/2020	4 - 10	**0.00238**	**0.00503**	**0.00532**	**0.0147**	**0.0275**	**92.0**		<15.0	**92.0**	**6.86**
CS-7	12/30/2020	0 - 4	<0.000485	<0.000527	<0.000405	<0.000402	<0.000402	<13.9	<11.5	<11.4	<11.4	**5.49**
CS-8	12/30/2020	0 - 4	<0.000486	<0.000529	<0.000407	<0.000404	<0.000404	<13.9	<11.5	<11.5	<11.5	**5.39**
CS-9	12/30/2020	0 - 4	<0.000486	<0.000529	<0.000407	<0.000404	<0.000404	**15.4 J**	**78.4**	<11.5	**93.8**	**5.23**
CS-10	12/30/2020	0 - 4	<0.000487	<0.000530	<0.000408	<0.000405	<0.000405	<13.9	<11.5	<11.5	<11.5	**5.21**
CS-11	12/30/2020	4	<0.0162	<0.0176	**0.594**	**1.31**	**1.91**	**78.8**	**234**	<11.4	**313**	**4.50 J**
	1/11/2021	5			NS			**753**		**195**	**948**	NS
CS-12	12/30/2020	4	<0.000484	<0.000526	<0.000405	<0.000401	<0.000401	**21.5 J**	**48.0 J**	<11.4	**69.5**	**4.24 J**
CS-13	12/30/2020	0 - 3	<0.000485	<0.000527	<0.000405	<0.000402	<0.000402	**23.6 J**	**46.1 J**	<11.4	**69.7**	**5.58**
CS-14	12/30/2020	0 - 3	<0.000482	<0.000524	<0.000403	<0.000400	<0.000400	<13.8	**13.6 J**	<11.4	**13.6 J**	**4.26 J**
CS-15	12/30/2020	0 - 3	<0.000486	<0.000528	<0.000406	<0.000403	<0.000403	**16.1 J**	**47.3 J**	<11.4	**63.4**	**6.31**
CS-16	12/30/2020	3	<0.000484	<0.000526	<0.000405	**0.0738**	**0.0738**	**14.5 J**	**47.3 J**	<11.4	**61.8**	**6.37**
CS-17	12/30/2020	3	<0.000487	<0.000530	**0.0107**	**0.0273**	**0.0380**	**34.6 J**	**61.7**	<11.4	**96.3**	**58.3**
CS-18	12/30/2020	3	<0.000488	<0.000531	<0.000409	<0.000406	<0.000406	**19.2 J**	**46.2 J**	<11.4	**65.4**	**6.44**
CS-19	12/30/2020	3	<0.00506	**0.296**	**0.540**	**1.23**	**2.07**	**48.3 J**	**66.3**	<11.4	**115**	**20.8**
	1/11/2021	4			NS			<15.0	**215**	**63.3**	**278**	NS
	1/20/2021	5	<0.000486	<0.000529	<0.000407	<0.000404	<0.000404	<13.9		<11.5	<11.5	**9.78 J**
CS-20	12/30/2020	3	<0.00248	**0.222**	**0.265**	**0.662**	**1.15**	**20.1 J**	**58.6**	<11.4	**78.7**	**20.3**
CS-21	1/11/2021	2	**0.000525 J**	**0.00324**	**0.00439**	**0.0118**	**0.0199**	<15.0	**672**	**184**	**856**	**34.5**
	1/20/2021	5	<0.000489	<0.000532	<0.000409	<0.000406	<0.000406	<13.9		<11.5	<11.5	**10.4**
CS-22	1/20/2021	0 - 5	<0.000490	<0.000533	<0.000410	<0.000407	<0.000407	<13.8	<11.4	<11.4	<11.4	**8.90 J**
CS-23	1/20/2021	0 - 5	<0.000485	<0.000527	<0.000405	<0.000402	<0.000402	<13.8	<11.4	<11.4	<11.4	**8.86 J**
Composite Stockpile Soil Sample Analytical Results												
STP-1	12/30/2020	NA	<0.121	**36.6**	**41.6**	**82.4**	**161**	**271**	**7,300**	**250 J**	**7,820**	**81.0**
STP-2	12/30/2020	NA	<0.121	**7.29**	**10.2**	**21.9**	**39.4**	**123 J**	**2,860**	**198 J**	**3,180**	**17.8**
STP-3	12/30/2020	NA	<0.122	**21.6**	**23.0**	**45.6**	**90.2**	**268**	**8,710**	**261**	**9,240**	**115**
STP-4	12/30/2020	NA	**0.0382**	**0.403**	**0.241**	**0.530**	**1.21**	**16.7 J**	**29.4 J**	<11.5	**46.1 J**	**9.33**
STP-5	1/11/2021	NA	**0.0186**	**0.318**	**0.361**	**0.769**	**1.47**	<15.0	**1,660**	**364**	**2,020**	**16.3**

*Concentrations in **bold** and yellow exceed the New Mexico Oil Conservation Division Closure Criteria for Soils Impacted by a Release (≤ 50 feet)*

Soil Removed and Re-Sampled

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

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

ENSOLUM

APPENDIX E

Laboratory Analytical Reports & Chain-of-Custody Documentation

eurofins | Environment Testing Xenco

Certificate of Analysis Summary 682902

Ensolum, Dallas, TX

Project Name: Peashooter 6" Leak

Project Id: 03B1226040
Contact: Beaux Jennings
Project Location:

Date Received in Lab: Wed 12.30.2020 08:38
Report Date: 01.04.2021 14:58
Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	682902-001		682902-002		682902-003		682902-004		682902-005		682902-006	
	Field Id:	CS-1		CS-2		CS-3		CS-4		CS-5		CS-6	
	Depth:	14- ft		14- ft		4-10 ft		4-10 ft		4-10 ft		4-10 ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	12.29.2020 15:24		12.29.2020 15:40		12.29.2020 16:30		12.29.2020 16:35		12.29.2020 16:40		12.29.2020 16:45	
BTEX by EPA 8021B	***Extracted:***	12.30.2020 16:45		12.30.2020 16:45		12.30.2020 16:45		12.30.2020 16:45		12.30.2020 16:45		12.30.2020 16:45	
	Analyzed:	12.31.2020 11:35		12.31.2020 11:56		12.31.2020 12:16		12.31.2020 12:37		12.31.2020 12:57		12.31.2020 13:18	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.000381	0.00198	<0.000385	0.00200	<0.000385	0.00200	<0.000386	0.00201	0.00152 J	0.00199	0.00238	0.00200
Toluene		<0.000451	0.00198	<0.000456	0.00200	<0.000456	0.00200	<0.000457	0.00201	0.00115 J	0.00199	0.00503	0.00200
Ethylbenzene		<0.000559	0.00198	<0.000565	0.00200	<0.000565	0.00200	<0.000567	0.00201	<0.000563	0.00199	0.00532	0.00200
m,p-Xylenes		0.00373 J	0.00396	0.00373 J	0.00400	<0.00101	0.00400	<0.00102	0.00402	<0.00101	0.00398	0.00942	0.00400
o-Xylene		<0.000341	0.00198	<0.000344	0.00200	<0.000344	0.00200	<0.000346	0.00201	<0.000343	0.00199	0.00530	0.00200
Total Xylenes		0.00373	0.00198	0.00373	0.00200	<0.000344	0.00200	<0.000346	0.00201	<0.000343	0.00199	0.0147	0.00200
Total BTEX		0.00373	0.00198	0.00373	0.00200	<0.000344	0.00200	<0.000346	0.00201	0.00267	0.00199	0.0275	0.00200
Chloride by EPA 300	***Extracted:***	12.30.2020 11:40		12.30.2020 11:40		12.30.2020 12:50		12.30.2020 12:50		12.30.2020 12:50		12.30.2020 12:50	
	Analyzed:	12.30.2020 14:15		12.30.2020 14:20		12.30.2020 16:04		12.30.2020 16:20		12.30.2020 16:25		12.30.2020 16:30	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		7.47	5.00	44.3	5.05	6.03	5.05	9.94	4.98	11.0	4.95	6.86	4.96
TPH by SW8015 Mod	***Extracted:***	12.30.2020 11:00		12.30.2020 11:00		12.30.2020 11:00		12.30.2020 11:00		12.30.2020 11:00		12.30.2020 11:00	
	Analyzed:	12.30.2020 15:37		12.30.2020 16:46		12.30.2020 17:08		12.30.2020 17:32		12.30.2020 17:54		12.30.2020 18:17	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<15.0	50.0	<14.9	49.8	<15.0	50.0	<15.0	50.0	<15.0	49.9	<15.0	50.0
Diesel Range Organics (DRO)		53.2	50.0	17.5 J	49.8	<15.0	50.0	<15.0	50.0	<15.0	49.9	92.0	50.0
Motor Oil Range Hydrocarbons (MRO)		<15.0	50.0	<14.9	49.8	<15.0	50.0	<15.0	50.0	<15.0	49.9	<15.0	50.0
Total TPH		53.2	50.0	17.5 J	49.8	<15.0	50.0	<15.0	50.0	<15.0	49.9	92.0	50.0

BRL - Below Reporting Limit

Jessica Kramer

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

eurofins | Environment Testing Xenco

Analytical Report 682902

for

Ensolum

Project Manager: Beaux Jennings

Peashooter 6" Leak

03B1226040

01.04.2021

Collected By: Client

1211 W. Florida Ave
Midland TX 79701

Xenco-Houston (EPA Lab Code: TX00122):
Texas (T104704215-20-38), Arizona (AZ0765), Florida (E871002-33), Louisiana (03054)
Oklahoma (2020-014), North Carolina (681), Arkansas (20-035-0)

Xenco-Dallas (EPA Lab Code: TX01468):
Texas (T104704295-20-26), Arizona (AZ0809)

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-20-18)
Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-20-23)
Xenco-Midland (EPA Lab Code: TX00158): Texas (T104704400-19-21)
Xenco-Carlsbad (LELAP): Louisiana (05092)
Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-20-8)
Xenco-Tampa: Florida (E87429), North Carolina (483)

eurofins | Environment Testing Xenco

01.04.2021

Project Manager: **Beaux Jennings**
Ensolum
2351 W Northwest Highway
Suite 1203
Dallas, TX 75220

Reference: Eurofins Xenco, LLC Report No(s): **682902**
Peashooter 6" Leak
Project Address:

Beaux Jennings:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the Eurofins Xenco, LLC Report Number(s) 682902. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. The uncertainty of measurement associated with the results of analysis reported is available upon request. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by Eurofins Xenco, LLC. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 682902 will be filed for 45 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting Eurofins Xenco, LLC to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Jessica Kramer

Jessica Kramer
Project Manager

A Small Business and Minority Company

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

eurofins | Environment Testing Xenco

Sample Cross Reference 682902

Ensolum, Dallas, TX

Peashooter 6" Leak

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
CS-1	S	12.29.2020 15:24	14 ft	682902-001
CS-2	S	12.29.2020 15:40	14 ft	682902-002
CS-3	S	12.29.2020 16:30	4 - 10 ft	682902-003
CS-4	S	12.29.2020 16:35	4 - 10 ft	682902-004
CS-5	S	12.29.2020 16:40	4 - 10 ft	682902-005
CS-6	S	12.29.2020 16:45	4 - 10 ft	682902-006

CASE NARRATIVE

eurofins | Environment Testing Xenco

Client Name: Ensolum

Project Name: Peashooter 6" Leak

Project ID: *03B1226040*
Work Order Number(s): *682902*

Report Date: *01.04.2021*
Date Received: *12.30.2020*

This laboratory is NELAC accredited under the Texas Laboratory Accreditation Program for all the methods, analytes, and matrices reported in this data package except as noted. The data have been reviewed and are technically compliant with the requirements of the methods used, except where noted by the laboratory.

Sample receipt non conformances and comments:

Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments:

Batch: LBA-3146478 TPH by SW8015 Mod

Surrogate 1-Chlorooctane recovered above QC limits Data confirmed by re-analysis. Samples affected are: 7718200-1-BKS,7718200-1-BLK,7718200-1-BSD,682902-001 S,682902-001 SD,682902-003,682902-002,682902-001,682902-004,682902-006,682902-005.
Surrogate o-Terphenyl recovered above QC limits Data confirmed by re-analysis. Samples affected are: 7718200-1-BKS,7718200-1-BSD,682902-001 S,682902-001,682902-002,682902-004.

Batch: LBA-3146496 BTEX by EPA 8021B

Surrogate 4-Bromofluorobenzene recovered below QC limits. Matrix interferences is suspected. Samples affected are: 682902-002.

eurofins | Environment Testing Xenco

Certificate of Analytical Results 682902

Ensolum, Dallas, TX

Peashooter 6" Leak

Sample Id: **CS-1** Matrix: Soil Date Received:12.30.2020 08:38

Lab Sample Id: 682902-001 Date Collected: 12.29.2020 15:24 Sample Depth: 14 ft

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Tech: CHE

Analyst: CHE Date Prep: 12.30.2020 11:40 % Moisture:

Seq Number: 3146392 Basis: Wet Weight

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**7.47**	5.00	0.858	mg/kg	12.30.2020 14:15		1

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P

Tech: DVM

Analyst: ARM Date Prep: 12.30.2020 11:00 % Moisture:

Seq Number: 3146478 Basis: Wet Weight

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	50.0	15.0	mg/kg	12.30.2020 15:37	U	1
Diesel Range Organics (DRO)	C10C28DRO	**53.2**	50.0	15.0	mg/kg	12.30.2020 15:37		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<15.0	50.0	15.0	mg/kg	12.30.2020 15:37	U	1
Total TPH	PHC635	**53.2**	50.0	15.0	mg/kg	12.30.2020 15:37		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	183	%	70-130	12.30.2020 15:37	**
o-Terphenyl	84-15-1	152	%	70-130	12.30.2020 15:37	**

eurofins | Environment Testing Xenco

Certificate of Analytical Results 682902

Ensolum, Dallas, TX

Peashooter 6" Leak

Sample Id:	**CS-1**	Matrix:	Soil	Date Received:	12.30.2020 08:38
Lab Sample Id:	682902-001	Date Collected:	12.29.2020 15:24	Sample Depth:	14 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	ALJ				
Analyst:	ALJ	Date Prep:	12.30.2020 16:45	% Moisture:	
Seq Number:	3146496			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.000381	0.00198	0.000381	mg/kg	12.31.2020 11:35	U	1
Toluene	108-88-3	<0.000451	0.00198	0.000451	mg/kg	12.31.2020 11:35	U	1
Ethylbenzene	100-41-4	<0.000559	0.00198	0.000559	mg/kg	12.31.2020 11:35	U	1
m,p-Xylenes	179601-23-1	**0.00373**	0.00396	0.00100	mg/kg	12.31.2020 11:35	J	1
o-Xylene	95-47-6	<0.000341	0.00198	0.000341	mg/kg	12.31.2020 11:35	U	1
Total Xylenes	1330-20-7	**0.00373**	0.00198	0.000341	mg/kg	12.31.2020 11:35		1
Total BTEX		**0.00373**	0.00198	0.000341	mg/kg	12.31.2020 11:35		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	112	%	70-130	12.31.2020 11:35	
4-Bromofluorobenzene	460-00-4	71	%	70-130	12.31.2020 11:35	

eurofins | Environment Testing Xenco

Certificate of Analytical Results 682902

Ensolum, Dallas, TX

Peashooter 6" Leak

Sample Id:	**CS-2**	Matrix:	Soil	Date Received:	12.30.2020 08:38
Lab Sample Id:	682902-002	Date Collected:	12.29.2020 15:40	Sample Depth:	14 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	12.30.2020 11:40	% Moisture:	
Seq Number:	3146392			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**44.3**	5.05	0.867	mg/kg	12.30.2020 14:20		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	12.30.2020 11:00	% Moisture:	
Seq Number:	3146478			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<14.9	49.8	14.9	mg/kg	12.30.2020 16:46	U	1
Diesel Range Organics (DRO)	C10C28DRO	**17.5**	49.8	14.9	mg/kg	12.30.2020 16:46	J	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<14.9	49.8	14.9	mg/kg	12.30.2020 16:46	U	1
Total TPH	PHC635	**17.5**	49.8	14.9	mg/kg	12.30.2020 16:46	J	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	170	%	70-130	12.30.2020 16:46	**
o-Terphenyl	84-15-1	149	%	70-130	12.30.2020 16:46	**

eurofins | Environment Testing Xenco

Certificate of Analytical Results 682902

Ensolum, Dallas, TX

Peashooter 6" Leak

Sample Id:	**CS-2**	Matrix:	Soil	Date Received:	12.30.2020 08:38
Lab Sample Id:	682902-002	Date Collected:	12.29.2020 15:40	Sample Depth:	14 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	ALJ				
Analyst:	ALJ	Date Prep:	12.30.2020 16:45	% Moisture:	
Seq Number:	3146496			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.000385	0.00200	0.000385	mg/kg	12.31.2020 11:56	U	1
Toluene	108-88-3	<0.000456	0.00200	0.000456	mg/kg	12.31.2020 11:56	U	1
Ethylbenzene	100-41-4	<0.000565	0.00200	0.000565	mg/kg	12.31.2020 11:56	U	1
m,p-Xylenes	179601-23-1	**0.00373**	0.00400	0.00101	mg/kg	12.31.2020 11:56	J	1
o-Xylene	95-47-6	<0.000344	0.00200	0.000344	mg/kg	12.31.2020 11:56	U	1
Total Xylenes	1330-20-7	**0.00373**	0.00200	0.000344	mg/kg	12.31.2020 11:56		1
Total BTEX		**0.00373**	0.00200	0.000344	mg/kg	12.31.2020 11:56		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	95	%	70-130	12.31.2020 11:56	
4-Bromofluorobenzene	460-00-4	42	%	70-130	12.31.2020 11:56	**

eurofins | Environment Testing Xenco

Certificate of Analytical Results 682902

Ensolum, Dallas, TX

Peashooter 6" Leak

Sample Id:	**CS-3**	Matrix:	Soil	Date Received:	12.30.2020 08:38
Lab Sample Id:	682902-003	Date Collected:	12.29.2020 16:30	Sample Depth:	4 - 10 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	12.30.2020 12:50	% Moisture:	
Seq Number:	3146452			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**6.03**	5.05	0.867	mg/kg	12.30.2020 16:04		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	12.30.2020 11:00	% Moisture:	
Seq Number:	3146478			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	50.0	15.0	mg/kg	12.30.2020 17:08	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	50.0	15.0	mg/kg	12.30.2020 17:08	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<15.0	50.0	15.0	mg/kg	12.30.2020 17:08	U	1
Total TPH	PHC635	<15.0	50.0	15.0	mg/kg	12.30.2020 17:08	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	154	%	70-130	12.30.2020 17:08	**
o-Terphenyl	84-15-1	128	%	70-130	12.30.2020 17:08	

eurofins | Environment Testing Xenco

Certificate of Analytical Results 682902

Ensolum, Dallas, TX

Peashooter 6" Leak

Sample Id:	**CS-3**	Matrix:	Soil	Date Received:	12.30.2020 08:38
Lab Sample Id:	682902-003	Date Collected:	12.29.2020 16:30	Sample Depth:	4 - 10 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	ALJ				
Analyst:	ALJ	Date Prep:	12.30.2020 16:45	% Moisture:	
Seq Number:	3146496			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.000385	0.00200	0.000385	mg/kg	12.31.2020 12:16	U	1
Toluene	108-88-3	<0.000456	0.00200	0.000456	mg/kg	12.31.2020 12:16	U	1
Ethylbenzene	100-41-4	<0.000565	0.00200	0.000565	mg/kg	12.31.2020 12:16	U	1
m,p-Xylenes	179601-23-1	<0.00101	0.00400	0.00101	mg/kg	12.31.2020 12:16	U	1
o-Xylene	95-47-6	<0.000344	0.00200	0.000344	mg/kg	12.31.2020 12:16	U	1
Total Xylenes	1330-20-7	<0.000344	0.00200	0.000344	mg/kg	12.31.2020 12:16	U	1
Total BTEX		<0.000344	0.00200	0.000344	mg/kg	12.31.2020 12:16	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	96	%	70-130	12.31.2020 12:16	
4-Bromofluorobenzene	460-00-4	100	%	70-130	12.31.2020 12:16	

eurofins | Environment Testing Xenco

Certificate of Analytical Results 682902

Ensolum, Dallas, TX

Peashooter 6" Leak

Sample Id:	**CS-4**	Matrix:	Soil	Date Received:	12.30.2020 08:38
Lab Sample Id:	682902-004	Date Collected:	12.29.2020 16:35	Sample Depth:	4 - 10 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	12.30.2020 12:50	% Moisture:	
Seq Number:	3146452			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**9.94**	4.98	0.855	mg/kg	12.30.2020 16:20		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	12.30.2020 11:00	% Moisture:	
Seq Number:	3146478			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	50.0	15.0	mg/kg	12.30.2020 17:32	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	50.0	15.0	mg/kg	12.30.2020 17:32	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<15.0	50.0	15.0	mg/kg	12.30.2020 17:32	U	1
Total TPH	PHC635	<15.0	50.0	15.0	mg/kg	12.30.2020 17:32	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	159	%	70-130	12.30.2020 17:32	**
o-Terphenyl	84-15-1	132	%	70-130	12.30.2020 17:32	**

eurofins | Environment Testing Xenco

Certificate of Analytical Results 682902

Ensolum, Dallas, TX

Peashooter 6" Leak

Sample Id:	**CS-4**	Matrix:	Soil	Date Received:	12.30.2020 08:38
Lab Sample Id:	682902-004	Date Collected:	12.29.2020 16:35	Sample Depth:	4 - 10 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	ALJ				
Analyst:	ALJ	Date Prep:	12.30.2020 16:45	% Moisture:	
Seq Number:	3146496			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.000386	0.00201	0.000386	mg/kg	12.31.2020 12:37	U	1
Toluene	108-88-3	<0.000457	0.00201	0.000457	mg/kg	12.31.2020 12:37	U	1
Ethylbenzene	100-41-4	<0.000567	0.00201	0.000567	mg/kg	12.31.2020 12:37	U	1
m,p-Xylenes	179601-23-1	<0.00102	0.00402	0.00102	mg/kg	12.31.2020 12:37	U	1
o-Xylene	95-47-6	<0.000346	0.00201	0.000346	mg/kg	12.31.2020 12:37	U	1
Total Xylenes	1330-20-7	<0.000346	0.00201	0.000346	mg/kg	12.31.2020 12:37	U	1
Total BTEX		<0.000346	0.00201	0.000346	mg/kg	12.31.2020 12:37	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	95	%	70-130	12.31.2020 12:37	
4-Bromofluorobenzene	460-00-4	106	%	70-130	12.31.2020 12:37	

eurofins | Environment Testing Xenco

Certificate of Analytical Results 682902

Ensolum, Dallas, TX

Peashooter 6" Leak

Sample Id:	**CS-5**	Matrix:	Soil	Date Received:	12.30.2020 08:38
Lab Sample Id:	682902-005	Date Collected:	12.29.2020 16:40	Sample Depth:	4 - 10 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	12.30.2020 12:50	% Moisture:	
Seq Number:	3146452			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**11.0**	4.95	0.850	mg/kg	12.30.2020 16:25		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	12.30.2020 11:00	% Moisture:	
Seq Number:	3146478			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	49.9	15.0	mg/kg	12.30.2020 17:54	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	49.9	15.0	mg/kg	12.30.2020 17:54	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<15.0	49.9	15.0	mg/kg	12.30.2020 17:54	U	1
Total TPH	PHC635	<15.0	49.9	15.0	mg/kg	12.30.2020 17:54	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	154	%	70-130	12.30.2020 17:54	**
o-Terphenyl	84-15-1	129	%	70-130	12.30.2020 17:54	

eurofins | Environment Testing Xenco

Certificate of Analytical Results 682902

Ensolum, Dallas, TX

Peashooter 6" Leak

Sample Id:	**CS-5**	Matrix:	Soil	Date Received:	12.30.2020 08:38
Lab Sample Id:	682902-005	Date Collected:	12.29.2020 16:40	Sample Depth:	4 - 10 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	ALJ				
Analyst:	ALJ	Date Prep:	12.30.2020 16:45	% Moisture:	
Seq Number:	3146496			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	**0.00152**	0.00199	0.000383	mg/kg	12.31.2020 12:57	J	1
Toluene	108-88-3	**0.00115**	0.00199	0.000454	mg/kg	12.31.2020 12:57	J	1
Ethylbenzene	100-41-4	<0.000563	0.00199	0.000563	mg/kg	12.31.2020 12:57	U	1
m,p-Xylenes	179601-23-1	<0.00101	0.00398	0.00101	mg/kg	12.31.2020 12:57	U	1
o-Xylene	95-47-6	<0.000343	0.00199	0.000343	mg/kg	12.31.2020 12:57	U	1
Total Xylenes	1330-20-7	<0.000343	0.00199	0.000343	mg/kg	12.31.2020 12:57	U	1
Total BTEX		**0.00267**	0.00199	0.000343	mg/kg	12.31.2020 12:57		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	101	%	70-130	12.31.2020 12:57	
1,4-Difluorobenzene	540-36-3	98	%	70-130	12.31.2020 12:57	

eurofins | Environment Testing Xenco

Certificate of Analytical Results 682902

Ensolum, Dallas, TX

Peashooter 6" Leak

Sample Id:	**CS-6**	Matrix:	Soil	Date Received:	12.30.2020 08:38
Lab Sample Id:	682902-006	Date Collected:	12.29.2020 16:45	Sample Depth:	4 - 10 ft

Analytical Method: Chloride by EPA 300 — Prep Method: E300P

Tech: CHE

Analyst: CHE — Date Prep: 12.30.2020 12:50 — % Moisture:

Seq Number: 3146452 — Basis: Wet Weight

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**6.86**	4.96	0.852	mg/kg	12.30.2020 16:30		1

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P

Tech: DVM

Analyst: ARM — Date Prep: 12.30.2020 11:00 — % Moisture:

Seq Number: 3146478 — Basis: Wet Weight

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	50.0	15.0	mg/kg	12.30.2020 18:17	U	1
Diesel Range Organics (DRO)	C10C28DRO	**92.0**	50.0	15.0	mg/kg	12.30.2020 18:17		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<15.0	50.0	15.0	mg/kg	12.30.2020 18:17	U	1
Total TPH	PHC635	**92.0**	50.0	15.0	mg/kg	12.30.2020 18:17		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	155	%	70-130	12.30.2020 18:17	**
o-Terphenyl	84-15-1	125	%	70-130	12.30.2020 18:17	

eurofins | Environment Testing Xenco

Certificate of Analytical Results 682902

Ensolum, Dallas, TX

Peashooter 6" Leak

Sample Id:	**CS-6**	Matrix:	Soil	Date Received:	12.30.2020 08:38
Lab Sample Id:	682902-006	Date Collected:	12.29.2020 16:45	Sample Depth:	4 - 10 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	ALJ				
Analyst:	ALJ	Date Prep:	12.30.2020 16:45	% Moisture:	
Seq Number:	3146496			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	**0.00238**	0.00200	0.000385	mg/kg	12.31.2020 13:18		1
Toluene	108-88-3	**0.00503**	0.00200	0.000456	mg/kg	12.31.2020 13:18		1
Ethylbenzene	100-41-4	**0.00532**	0.00200	0.000565	mg/kg	12.31.2020 13:18		1
m,p-Xylenes	179601-23-1	**0.00942**	0.00400	0.00101	mg/kg	12.31.2020 13:18		1
o-Xylene	95-47-6	**0.00530**	0.00200	0.000344	mg/kg	12.31.2020 13:18		1
Total Xylenes	1330-20-7	**0.0147**	0.00200	0.000344	mg/kg	12.31.2020 13:18		1
Total BTEX		**0.0275**	0.00200	0.000344	mg/kg	12.31.2020 13:18		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	98	%	70-130	12.31.2020 13:18	
4-Bromofluorobenzene	460-00-4	108	%	70-130	12.31.2020 13:18	

eurofins | Environment Testing Xenco

Flagging Criteria

X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.

B A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.

D The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.

E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.

F RPD exceeded lab control limits.

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

U Analyte was not detected.

L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.

H The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.

K Sample analyzed outside of recommended hold time.

JN A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

** Surrogate recovered outside laboratory control limit.

BRL Below Reporting Limit. **ND** Not Detected.

RL Reporting Limit

MDL Method Detection Limit **SDL** Sample Detection Limit **LOD** Limit of Detection

PQL Practical Quantitation Limit **MQL** Method Quantitation Limit **LOQ** Limit of Quantitation

DL Method Detection Limit

NC Non-Calculable

SMP Client Sample **BLK** Method Blank

BKS/LCS Blank Spike/Laboratory Control Sample **BKSD/LCSD** Blank Spike Duplicate/Laboratory Control Sample Duplicate

MD/SD Method Duplicate/Sample Duplicate **MS** Matrix Spike **MSD:** Matrix Spike Duplicate

+ NELAC certification not offered for this compound.

* (Next to analyte name or method description) = Outside XENCO's scope of NELAC accreditation

QC Summary 682902

eurofins | Environment Testing Xenco

Ensolum

Peashooter 6" Leak

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3146392 — Matrix: Solid — Date Prep: 12.30.2020
MB Sample Id: 7718140-1-BLK — LCS Sample Id: 7718140-1-BKS — LCSD Sample Id: 7718140-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<0.858	250	244	98	244	98	90-110	0	20	mg/kg	12.30.2020 11:49	

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3146452 — Matrix: Solid — Date Prep: 12.30.2020
MB Sample Id: 7718143-1-BLK — LCS Sample Id: 7718143-1-BKS — LCSD Sample Id: 7718143-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<0.858	250	246	98	247	99	90-110	0	20	mg/kg	12.30.2020 15:54	

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3146392 — Matrix: Soil — Date Prep: 12.30.2020
Parent Sample Id: 682804-013 — MS Sample Id: 682804-013 S — MSD Sample Id: 682804-013 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	6.24	251	258	100	256	100	90-110	1	20	mg/kg	12.30.2020 12:04	

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3146392 — Matrix: Soil — Date Prep: 12.30.2020
Parent Sample Id: 682811-007 — MS Sample Id: 682811-007 S — MSD Sample Id: 682811-007 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	395	248	620	91	622	92	90-110	0	20	mg/kg	12.30.2020 13:18	

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3146452 — Matrix: Soil — Date Prep: 12.30.2020
Parent Sample Id: 682902-003 — MS Sample Id: 682902-003 S — MSD Sample Id: 682902-003 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	6.03	253	262	101	261	101	90-110	0	20	mg/kg	12.30.2020 16:09	

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3146452 — Matrix: Soil — Date Prep: 12.30.2020
Parent Sample Id: 682922-007 — MS Sample Id: 682922-007 S — MSD Sample Id: 682922-007 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	362	250	610	99	611	100	90-110	0	20	mg/kg	12.30.2020 17:22	

MS/MSD Percent Recovery [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200* | (C-E) / (C+E) |
LCS/LCSD Recovery [D] = 100 * (C) / [B]
Log Difference Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec

eurofins | Environment Testing Xenco

QC Summary 682902

Ensolum

Peashooter 6" Leak

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3146478 — Matrix: Solid — Date Prep: 12.30.2020
MB Sample Id: 7718200-1-BLK — LCS Sample Id: 7718200-1-BKS — LCSD Sample Id: 7718200-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<15.0	1000	1300	130	1140	114	70-130	13	20	mg/kg	12.30.2020 14:51	
Diesel Range Organics (DRO)	<15.0	1000	986	99	1040	104	70-130	5	20	mg/kg	12.30.2020 14:51	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	155	**	175	**	185	**	70-130	%	12.30.2020 14:51
o-Terphenyl	129		139	**	140	**	70-130	%	12.30.2020 14:51

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3146478 — Matrix: Solid — Date Prep: 12.30.2020
MB Sample Id: 7718200-1-BLK

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	38.8	mg/kg	12.30.2020 14:28	

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3146478 — Matrix: Soil — Date Prep: 12.30.2020
Parent Sample Id: 682902-001 — MS Sample Id: 682902-001 S — MSD Sample Id: 682902-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<15.0	1000	1220	122	1150	115	70-130	6	20	mg/kg	12.30.2020 16:00	
Diesel Range Organics (DRO)	53.2	1000	1020	97	1080	103	70-130	6	20	mg/kg	12.30.2020 16:00	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	194	**	165	**	70-130	%	12.30.2020 16:00
o-Terphenyl	160	**	129		70-130	%	12.30.2020 16:00

Analytical Method: BTEX by EPA 8021B — Prep Method: SW5035A
Seq Number: 3146496 — Matrix: Solid — Date Prep: 12.30.2020
MB Sample Id: 7718249-1-BLK — LCS Sample Id: 7718249-1-BKS — LCSD Sample Id: 7718249-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.000383	0.0996	0.0816	82	0.0802	80	70-130	2	35	mg/kg	12.31.2020 08:54	
Toluene	<0.000454	0.0996	0.0792	80	0.0784	79	70-130	1	35	mg/kg	12.31.2020 08:54	
Ethylbenzene	<0.000563	0.0996	0.0828	83	0.0830	83	70-130	0	35	mg/kg	12.31.2020 08:54	
m,p-Xylenes	<0.00101	0.199	0.162	81	0.163	82	70-130	1	35	mg/kg	12.31.2020 08:54	
o-Xylene	<0.000343	0.0996	0.0843	85	0.0841	84	70-130	0	35	mg/kg	12.31.2020 08:54	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	92		97		98		70-130	%	12.31.2020 08:54
4-Bromofluorobenzene	103		97		96		70-130	%	12.31.2020 08:54

MS/MSD Percent Recovery — [D] = 100*(C-A) / B — LCS = Laboratory Control Sample — MS = Matrix Spike
Relative Percent Difference — RPD = 200* | (C-E) / (C+E) | — A = Parent Result — B = Spike Added
LCS/LCSD Recovery — [D] = 100 * (C) / [B] — C = MS/LCS Result — D = MSD/LCSD % Rec
Log Difference — Log Diff. = Log(Sample Duplicate) - Log(Original Sample) — E = MSD/LCSD Result

QC Summary 682902

eurofins | Environment Testing Xenco

Ensolum

Peashooter 6" Leak

Analytical Method: **BTEX by EPA 8021B** Prep Method: SW5035A

Seq Number: 3146496 Matrix: Soil Date Prep: 12.30.2020

Parent Sample Id: 682800-006 MS Sample Id: 682800-006 S MSD Sample Id: 682800-006 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.000386	0.100	0.0681	68	0.0695	70	70-130	2	35	mg/kg	12.31.2020 09:34	X
Toluene	<0.000457	0.100	0.0525	53	0.0583	58	70-130	10	35	mg/kg	12.31.2020 09:34	X
Ethylbenzene	<0.000566	0.100	0.0379	38	0.0490	49	70-130	26	35	mg/kg	12.31.2020 09:34	X
m,p-Xylenes	<0.00102	0.200	0.0715	36	0.0945	47	70-130	28	35	mg/kg	12.31.2020 09:34	X
o-Xylene	<0.000345	0.100	0.0378	38	0.0482	48	70-130	24	35	mg/kg	12.31.2020 09:34	X

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	100		99		70-130	%	12.31.2020 09:34
4-Bromofluorobenzene	104		102		70-130	%	12.31.2020 09:34

MS/MSD Percent Recovery [D] = 100*(C-A) / B

Relative Percent Difference RPD = 200* | (C-E) / (C+E) |

LCS/LCSD Recovery [D] = 100 * (C) / [B]

Log Difference Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample

A = Parent Result

C = MS/LCS Result

E = MSD/LCSD Result

MS = Matrix Spike

B = Spike Added

D = MSD/LCSD % Rec

XENCO LABORATORIES

Chain of Custody

Work Order No: 082902

Houston,TX (281) 240-4200 Dallas,TX (214) 902-0300 San Antonio,TX (210) 509-3334
Midland,TX (432-704-5440) EL Paso,TX (915)585-3443 Lubbock,TX (806)794-1296
Hobbs,NM (575-392-7550) Phoenix,AZ (480-355-0900) Atlanta,GA (770-449-8800) Tampa,FL (813-620-2000)

www.xenco.com Page 1 of 1

Project Manager:	Beau Jennings	Bill to: (if different)	
Company Name:	Ensolum LLC	Company Name:	
Address:	705 W. Wadley	Address:	
City, State ZIP:	Midland TX 79705	City, State ZIP:	
Phone:	432 230 3344	Email:	

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:	Peasloose 6" Leak	Turn Around	
Project Number:	03B1226040	Routine ☐	
P.O. Number:	03B1226040	Rush: 24 hr.	
Sampler's Name:	Shane Dillon	Due Date:	

SAMPLE RECEIPT			
Temp Blank:	Yes No	Wet Ice:	(Yes) No
Temperature (°C):	.8 / 1.3	Thermometer ID	128
Received Intact:	(Yes) No		
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	.5
Sample Custody Seals:	Yes No (N/A)	Total Containers:	

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers	BTEX 8021B	TPH 8015M	Chlorides 300.0
CS-1	S	12-29-20	1524	14'	1	X	X	X
CS-2	S	12-29-20	1540	14'	1	X	X	X
CS-3	S	12-29-20	1630	4-10'	1	X	X	X
CS-4	S	12-29-20	1635	4-10'	1	X	X	X
CS-5	S	12-29-20	1640	4-10'	1	X	X	X
CS-6	S	12-29-20	1645	4-10'	1	X	X	X

NVE 12-30-20

ANALYSIS REQUEST

Work Order Notes

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

Sample Comments

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Sr Tl Sn U V Zn
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 **1631 / 245.1 / 7470 / 7471** : Hg

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1		12-30-20 0:38	2		
3			4		
5			6		

Revised Date 051418 Rev. 2018.1

Eurofins Xenco, LLC

Prelogin/Nonconformance Report- Sample Log-In

Client: Ensolum

Date/ Time Received: 12.30.2020 08.38.00 AM

Work Order #: 682902

Acceptable Temperature Range: 0 - 6 degC
Air and Metal samples Acceptable Range: Ambient

Temperature Measuring device used : IR8

Sample Receipt Checklist		Comments
#1 *Temperature of cooler(s)?	1.3	
#2 *Shipping container in good condition?	**Yes**	
#3 *Samples received on ice?	**Yes**	
#4 *Custody Seals intact on shipping container/ cooler?	**Yes**	
#5 Custody Seals intact on sample bottles?	**N/A**	
#6*Custody Seals Signed and dated?	**Yes**	
#7 *Chain of Custody present?	**Yes**	
#8 Any missing/extra samples?	**No**	
#9 Chain of Custody signed when relinquished/ received?	**Yes**	
#10 Chain of Custody agrees with sample labels/matrix?	**Yes**	
#11 Container label(s) legible and intact?	**Yes**	
#12 Samples in proper container/ bottle?	**Yes**	BTEX was in bulk container
#13 Samples properly preserved?	**Yes**	
#14 Sample container(s) intact?	**Yes**	
#15 Sufficient sample amount for indicated test(s)?	**Yes**	
#16 All samples received within hold time?	**Yes**	
#17 Subcontract of sample(s)?	**N/A**	
#18 Water VOC samples have zero headspace?	**N/A**	

*** Must be completed for after-hours delivery of samples prior to placing in the refrigerator**

Analyst: PH Device/Lot#:

Checklist completed by: Brianna Teel Date: 12.30.2020
Brianna Teel

Checklist reviewed by: Jessica Kramer Date: 12.30.2020
Jessica Kramer

eurofins | Environment Testing Xenco

Certificate of Analysis Summary 683093

Ensolum, Dallas, TX

Project Name: Peashooter 6" Leak

Project Id: 03B1226040
Contact: Beaux Jennings
Project Location: Eddy County, NM

Date Received in Lab: Thu 12.31.2020 08:38
Report Date: 01.05.2021 12:54
Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	683093-001		683093-002		683093-003		683093-004		683093-005		683093-006	
	Field Id:	CS-7		CS-8		CS-9		CS-10		CS-11		CS-12	
	Depth:	0-4 ft		0-4 ft		0-4 ft		0-4 ft		4-4 ft		4- ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	12.30.2020 15:35		12.30.2020 15:45		12.30.2020 15:55		12.30.2020 16:05		12.30.2020 16:15		12.30.2020 16:25	
BTEX by EPA 8021B NO_CERT#	***Extracted:***	01.04.2021 11:00		01.04.2021 11:00		01.04.2021 11:00		01.04.2021 11:00		01.04.2021 11:00		01.04.2021 11:00	
	Analyzed:	01.04.2021 14:28		01.04.2021 14:57		01.04.2021 15:19		01.04.2021 15:42		01.04.2021 16:04		01.04.2021 17:01	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.000485	0.00200	<0.000486	0.00200	<0.000486	0.00200	<0.000487	0.00201	<0.0162	0.0167	<0.000484	0.00199
Toluene		<0.000527	0.00200	<0.000529	0.00200	<0.000529	0.00200	<0.000530	0.00201	<0.0176	0.0167	<0.000526	0.00199
Ethylbenzene		<0.000405	0.00200	<0.000407	0.00200	<0.000407	0.00200	<0.000408	0.00201	0.594	0.0667	<0.000405	0.00199
m,p-Xylenes		<0.000752	0.00399	<0.000755	0.00401	<0.000755	0.00401	<0.000757	0.00402	0.753	0.133	<0.000751	0.00398
o-Xylene		<0.000402	0.00200	<0.000404	0.00200	<0.000404	0.00200	<0.000405	0.00201	0.561	0.0667	<0.000401	0.00199
Total Xylenes		<0.000402	0.00200	<0.000404	0.00200	<0.000404	0.00200	<0.000405	0.00201	1.31	0.0667	<0.000401	0.00199
Total BTEX		<0.000402	0.00200	<0.000404	0.00200	<0.000404	0.00200	<0.000405	0.00201	1.91	0.0167	<0.000401	0.00199
Chloride by EPA 300	***Extracted:***	12.31.2020 10:12		12.31.2020 10:12		12.31.2020 10:12		12.31.2020 10:12		12.31.2020 10:12		12.31.2020 10:12	
	Analyzed:	12.31.2020 13:37		12.31.2020 13:53		12.31.2020 13:58		12.31.2020 14:03		12.31.2020 14:08		12.31.2020 14:24	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		5.49 X	4.97	5.39	4.95	5.23	4.99	5.21	5.02	4.50 J	5.05	4.24 J	5.00
TPH by SW8015 Mod NO_CERT#	***Extracted:***	01.04.2021 11:00		01.04.2021 11:00		01.04.2021 11:00		01.04.2021 11:00		01.04.2021 11:00		01.04.2021 11:00	
	Analyzed:	01.04.2021 13:41		01.04.2021 14:41		01.04.2021 15:01		01.04.2021 15:21		01.04.2021 15:41		01.04.2021 16:02	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<13.9	50.0	<13.9	50.1	15.4 J	50.3	<13.9	50.1	78.8	50.0	21.5 J	49.8
Diesel Range Organics (DRO)		<11.5	50.0	<11.5	50.1	78.4	50.3	<11.5	50.1	234	50.0	48.0 J	49.8
Motor Oil Range Hydrocarbons (MRO)		<11.4	50.0	<11.5	50.1	<11.5	50.3	<11.5	50.1	<11.4	50.0	<11.4	49.8
Total TPH		<11.4	50.0	<11.5	50.1	93.8	50.3	<11.5	50.1	313	50.0	69.5	49.8

BRL - Below Reporting Limit

Jessica Kramer

eurofins | Environment Testing Xenco

Certificate of Analysis Summary 683093

Ensolum, Dallas, TX

Project Name: Peashooter 6" Leak

Project Id: 03B1226040
Contact: Beaux Jennings
Project Location: Eddy County, NM

Date Received in Lab: Thu 12.31.2020 08:38
Report Date: 01.05.2021 12:54
Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	683093-007		683093-008		683093-009		683093-010		683093-011		683093-012	
	Field Id:	CS-13		CS-14		CS-15		CS-16		CS-17		CS-18	
	Depth:	0-3 ft		0-3 ft		0-3 ft		3- ft		3- ft		3- ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	12.30.2020 17:00		12.30.2020 17:05		12.30.2020 17:15		12.30.2020 17:25		12.30.2020 17:30		12.30.2020 17:40	
BTEX by EPA 8021B NO_CERT#	***Extracted:***	01.04.2021 11:00		01.04.2021 11:00		01.04.2021 11:00		01.04.2021 11:00		01.04.2021 11:00		01.04.2021 11:00	
	Analyzed:	01.04.2021 17:24		01.04.2021 17:46		01.04.2021 18:08		01.04.2021 18:31		01.04.2021 20:13		01.05.2021 09:22	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.000485	0.00200	<0.000482	0.00198	<0.000486	0.00200	<0.000484	0.00199	<0.000487	0.00201	<0.000488	0.00201
Toluene		<0.000527	0.00200	<0.000524	0.00198	<0.000528	0.00200	<0.000526	0.00199	<0.000530	0.00201	<0.000531	0.00201
Ethylbenzene		<0.000405	0.00200	<0.000403	0.00198	<0.000406	0.00200	<0.000405	0.00199	0.0107	0.00201	<0.000409	0.00201
m,p-Xylenes		<0.000752	0.00399	<0.000748	0.00397	<0.000754	0.00400	<0.000751	0.00398	0.0151	0.00402	<0.000758	0.00402
o-Xylene		<0.000402	0.00200	<0.000400	0.00198	<0.000403	0.00200	0.0738	0.00199	0.0122	0.00201	<0.000406	0.00201
Total Xylenes		<0.000402	0.00200	<0.000400	0.00198	<0.000403	0.00200	0.0738	0.00199	0.0273	0.00201	<0.000406	0.00201
Total BTEX		<0.000402	0.00200	<0.000400	0.00198	<0.000403	0.00200	0.0738	0.00199	0.0380	0.00201	<0.000406	0.00201
Chloride by EPA 300	***Extracted:***	12.31.2020 10:12		12.31.2020 10:12		12.31.2020 10:12		12.31.2020 10:12		12.31.2020 10:12		12.31.2020 10:12	
	Analyzed:	12.31.2020 14:29		12.31.2020 14:34		12.31.2020 14:40		12.31.2020 14:45		12.31.2020 14:50		12.31.2020 15:06	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		5.58	5.00	4.26 J	4.96	6.31	5.04	6.37	5.02	58.3	4.99	6.44	4.97
TPH by SW8015 Mod NO_CERT#	***Extracted:***	01.04.2021 11:00		01.04.2021 11:00		01.04.2021 11:00		01.04.2021 11:00		01.04.2021 11:00		01.04.2021 11:00	
	Analyzed:	01.04.2021 16:22		01.04.2021 16:42		01.04.2021 17:02		01.04.2021 17:22		01.05.2021 07:43		01.05.2021 08:03	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		23.6 J	50.0	<13.8	49.8	16.1 J	49.9	14.5 J	49.8	34.6 J	50.0	19.2 J	49.9
Diesel Range Organics (DRO)		46.1 J	50.0	13.6 J	49.8	47.3 J	49.9	47.3 J	49.8	61.7	50.0	46.2 J	49.9
Motor Oil Range Hydrocarbons (MRO)		<11.4	50.0	<11.4	49.8	<11.4	49.9	<11.4	49.8	<11.4	50.0	<11.4	49.9
Total TPH		69.7	50.0	13.6 J	49.8	63.4	49.9	61.8	49.8	96.3	50.0	65.4	49.9

BRL - Below Reporting Limit

Jessica Kramer

eurofins | Environment Testing Xenco

Certificate of Analysis Summary 683093

Ensolum, Dallas, TX

Project Name: Peashooter 6" Leak

Project Id: 03B1226040
Contact: Beaux Jennings
Project Location: Eddy County, NM

Date Received in Lab: Thu 12.31.2020 08:38
Report Date: 01.05.2021 12:54
Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	683093-013		683093-014		683093-015		683093-016		683093-017		683093-018	
	Field Id:	CS-19		CS-20		STP-1		STP-2		STP-3		STP-4	
	Depth:	3- ft		3- ft									
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	12.30.2020 17:50		12.30.2020 17:55		12.30.2020 18:10		12.30.2020 18:15		12.30.2020 18:20		12.30.2020 18:25	
BTEX by EPA 8021B NO_CERT#	***Extracted:***	01.04.2021 11:00		01.04.2021 11:00		01.04.2021 11:00		01.04.2021 11:00		01.04.2021 11:00		01.04.2021 11:00	
	Analyzed:	01.04.2021 20:58		01.04.2021 21:20		01.05.2021 09:44		01.05.2021 10:07		01.05.2021 10:29		01.04.2021 22:50	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.00506	0.00521	<0.00248	0.00255	<0.121	0.125	<0.121	0.125	<0.122	0.125	0.0382	0.00400
Toluene		0.296	0.0208	0.222	0.0102	36.6	0.499	7.29	0.499	21.6	0.501	0.403	0.00400
Ethylbenzene		0.540	0.0208	0.265	0.0102	41.6	0.499	10.2	0.499	23.0	0.501	0.241	0.00400
m,p-Xylenes		0.820	0.0417	0.414	0.0204	58.0	0.998	14.7	0.998	30.8	1.00	0.337	0.00800
o-Xylene		0.409	0.0208	0.248	0.0102	24.4	0.499	7.20	0.499	14.8	0.501	0.193	0.00400
Total Xylenes		1.23	0.0208	0.662	0.0102	82.4	0.499	21.9	0.499	45.6	0.501	0.530	0.00400
Total BTEX		2.07	0.00521	1.15	0.00255	161	0.125	39.4	0.125	90.2	0.125	1.21	0.00400
Chloride by EPA 300	***Extracted:***	12.31.2020 10:12		12.31.2020 10:12		12.31.2020 10:12		12.31.2020 10:12		12.31.2020 10:12		12.31.2020 10:12	
	Analyzed:	12.31.2020 15:11		12.31.2020 15:27		12.31.2020 15:32		12.31.2020 15:37		12.31.2020 15:42		12.31.2020 15:47	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		20.8	4.97	20.3	4.97	81.0	4.97	17.8	4.95	115	5.05	9.33	5.05
TPH by SW8015 Mod NO_CERT#	***Extracted:***	01.04.2021 11:00		01.04.2021 11:00		01.04.2021 11:00		01.04.2021 11:00		01.04.2021 11:00		01.04.2021 11:00	
	Analyzed:	01.05.2021 08:23		01.05.2021 08:43		01.05.2021 09:04		01.05.2021 09:24		01.05.2021 09:45		01.05.2021 10:05	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		48.3 J	49.9	20.1 J	49.8	271	250	123 J	250	268	250	16.7 J	50.1
Diesel Range Organics (DRO)		66.3	49.9	58.6	49.8	7300	250	2860	250	8710	250	29.4 J	50.1
Motor Oil Range Hydrocarbons (MRO)		<11.4	49.9	<11.4	49.8	250 J	250	198 J	250	261	250	<11.5	50.1
Total TPH		115	49.9	78.7	49.8	7820	250	3180	250	9240	250	46.1 J	50.1

BRL - Below Reporting Limit

Jessica Kramer

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

eurofins | Environment Testing Xenco

Analytical Report 683093

for

Ensolum

Project Manager: Beaux Jennings

Peashooter 6" Leak

03B1226040

01.05.2021

Collected By: Client

1211 W. Florida Ave
Midland TX 79701

Xenco-Houston (EPA Lab Code: TX00122):
Texas (T104704215-20-38), Arizona (AZ0765), Florida (E871002-33), Louisiana (03054)
Oklahoma (2020-014), North Carolina (681), Arkansas (20-035-0)

Xenco-Dallas (EPA Lab Code: TX01468):
Texas (T104704295-20-26), Arizona (AZ0809)

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-20-18)
Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-20-23)
Xenco-Midland (EPA Lab Code: TX00158): Texas (T104704400-19-21)
Xenco-Carlsbad (LELAP): Louisiana (05092)
Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-20-8)
Xenco-Tampa: Florida (E87429), North Carolina (483)

eurofins | Environment Testing Xenco

01.05.2021

Project Manager: **Beaux Jennings**
Ensolum
2351 W Northwest Highway
Suite 1203
Dallas, TX 75220

Reference: Eurofins Xenco, LLC Report No(s): **683093**
Peashooter 6" Leak
Project Address: Eddy County, NM

Beaux Jennings:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the Eurofins Xenco, LLC Report Number(s) 683093. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. The uncertainty of measurement associated with the results of analysis reported is available upon request. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by Eurofins Xenco, LLC. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 683093 will be filed for 45 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting Eurofins Xenco, LLC to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Jessica Kramer

Jessica Kramer
Project Manager

A Small Business and Minority Company

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

eurofins | Environment Testing Xenco

Sample Cross Reference 683093

Ensolum, Dallas, TX

Peashooter 6" Leak

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
CS-7	S	12.30.2020 15:35	0 - 4 ft	683093-001
CS-8	S	12.30.2020 15:45	0 - 4 ft	683093-002
CS-9	S	12.30.2020 15:55	0 - 4 ft	683093-003
CS-10	S	12.30.2020 16:05	0 - 4 ft	683093-004
CS-11	S	12.30.2020 16:15	4 - 4 ft	683093-005
CS-12	S	12.30.2020 16:25	4 ft	683093-006
CS-13	S	12.30.2020 17:00	0 - 3 ft	683093-007
CS-14	S	12.30.2020 17:05	0 - 3 ft	683093-008
CS-15	S	12.30.2020 17:15	0 - 3 ft	683093-009
CS-16	S	12.30.2020 17:25	3 ft	683093-010
CS-17	S	12.30.2020 17:30	3 ft	683093-011
CS-18	S	12.30.2020 17:40	3 ft	683093-012
CS-19	S	12.30.2020 17:50	3 ft	683093-013
CS-20	S	12.30.2020 17:55	3 ft	683093-014
STP-1	S	12.30.2020 18:10		683093-015
STP-2	S	12.30.2020 18:15		683093-016
STP-3	S	12.30.2020 18:20		683093-017
STP-4	S	12.30.2020 18:25		683093-018

CASE NARRATIVE

eurofins | Environment Testing Xenco

Client Name: Ensolum

Project Name: Peashooter 6" Leak

Project ID: *03B1226040*
Work Order Number(s): *683093*

Report Date: *01.05.2021*
Date Received: *12.31.2020*

This laboratory is NELAC accredited under the Texas Laboratory Accreditation Program for all the methods, analytes, and matrices reported in this data package except as noted. The data have been reviewed and are technically compliant with the requirements of the methods used, except where noted by the laboratory.

Sample receipt non conformances and comments:

Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments:

Batch: LBA-3146528 Chloride by EPA 300

Lab Sample ID 683093-011 was randomly selected for Matrix Spike/Matrix Spike Duplicate (MS/MSD). Chloride recovered above QC limits in the Matrix Spike and Matrix Spike Duplicate. Outlier/s are due to possible matrix interference. Samples in the analytical batch are: 683093-001, -002, -003, -004, -005, -006, -007, -008, -009, -010, -011, -012, -013, -014, -015, -016, -017, -018.

The Laboratory Control Sample for Chloride is within laboratory Control Limits, therefore the data was accepted.

eurofins | Environment Testing Xenco

Certificate of Analytical Results 683093

Ensolum, Dallas, TX

Peashooter 6" Leak

Sample Id:	**CS-7**	Matrix:	Soil	Date Received:	12.31.2020 08:38
Lab Sample Id:	683093-001	Date Collected:	12.30.2020 15:35	Sample Depth:	0 - 4 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	SPC				
Analyst:	SPC	Date Prep:	12.31.2020 10:12	% Moisture:	
Seq Number:	3146528			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**5.49**	4.97	0.853	mg/kg	12.31.2020 13:37	X	1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	CAC				
Analyst:	CAC	Date Prep:	01.04.2021 11:00	% Moisture:	
Seq Number:	3146728			Basis:	Wet Weight
				NO_CERT#	

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<13.9	50.0	13.9	mg/kg	01.04.2021 13:41	U	1
Diesel Range Organics (DRO)	C10C28DRO	<11.5	50.0	11.5	mg/kg	01.04.2021 13:41	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<11.4	50.0	11.4	mg/kg	01.04.2021 13:41	U	1
Total TPH	PHC635	<11.4	50.0	11.4	mg/kg	01.04.2021 13:41	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	105	%	70-135	01.04.2021 13:41	
o-Terphenyl	84-15-1	107	%	70-135	01.04.2021 13:41	

eurofins | Environment Testing Xenco

Certificate of Analytical Results 683093

Ensolum, Dallas, TX

Peashooter 6" Leak

Sample Id:	**CS-7**	Matrix:	Soil	Date Received:	12.31.2020 08:38
Lab Sample Id:	683093-001	Date Collected:	12.30.2020 15:35	Sample Depth:	0 - 4 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.04.2021 11:00	% Moisture:	
Seq Number:	3146709			Basis:	Wet Weight
				NO_CERT#	

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.000485	0.00200	0.000485	mg/kg	01.04.2021 14:28	U	1
Toluene	108-88-3	<0.000527	0.00200	0.000527	mg/kg	01.04.2021 14:28	U	1
Ethylbenzene	100-41-4	<0.000405	0.00200	0.000405	mg/kg	01.04.2021 14:28	U	1
m,p-Xylenes	179601-23-1	<0.000752	0.00399	0.000752	mg/kg	01.04.2021 14:28	U	1
o-Xylene	95-47-6	<0.000402	0.00200	0.000402	mg/kg	01.04.2021 14:28	U	1
Total Xylenes	1330-20-7	<0.000402	0.00200	0.000402	mg/kg	01.04.2021 14:28	U	1
Total BTEX		<0.000402	0.00200	0.000402	mg/kg	01.04.2021 14:28	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	99	%	70-130	01.04.2021 14:28	
4-Bromofluorobenzene	460-00-4	119	%	70-130	01.04.2021 14:28	

eurofins | Environment Testing Xenco

Certificate of Analytical Results 683093

Ensolum, Dallas, TX

Peashooter 6" Leak

Sample Id: **CS-8** Matrix: Soil Date Received:12.31.2020 08:38

Lab Sample Id: 683093-002 Date Collected: 12.30.2020 15:45 Sample Depth: 0 - 4 ft

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Tech: SPC

Analyst: SPC Date Prep: 12.31.2020 10:12 % Moisture:

Seq Number: 3146528 Basis: Wet Weight

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**5.39**	4.95	0.850	mg/kg	12.31.2020 13:53		1

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P

Tech: CAC

Analyst: CAC Date Prep: 01.04.2021 11:00 % Moisture:

Seq Number: 3146728 Basis: Wet Weight

NO_CERT#

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<13.9	50.1	13.9	mg/kg	01.04.2021 14:41	U	1
Diesel Range Organics (DRO)	C10C28DRO	<11.5	50.1	11.5	mg/kg	01.04.2021 14:41	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<11.5	50.1	11.5	mg/kg	01.04.2021 14:41	U	1
Total TPH	PHC635	<11.5	50.1	11.5	mg/kg	01.04.2021 14:41	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	111	%	70-135	01.04.2021 14:41	
o-Terphenyl	84-15-1	106	%	70-135	01.04.2021 14:41	

eurofins | Environment Testing Xenco

Certificate of Analytical Results 683093

Ensolum, Dallas, TX

Peashooter 6" Leak

Sample Id:	**CS-8**	Matrix:	Soil	Date Received:	12.31.2020 08:38
Lab Sample Id:	683093-002	Date Collected:	12.30.2020 15:45	Sample Depth:	0 - 4 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.04.2021 11:00	% Moisture:	
Seq Number:	3146709			Basis:	Wet Weight
				NO_CERT#	

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.000486	0.00200	0.000486	mg/kg	01.04.2021 14:57	U	1
Toluene	108-88-3	<0.000529	0.00200	0.000529	mg/kg	01.04.2021 14:57	U	1
Ethylbenzene	100-41-4	<0.000407	0.00200	0.000407	mg/kg	01.04.2021 14:57	U	1
m,p-Xylenes	179601-23-1	<0.000755	0.00401	0.000755	mg/kg	01.04.2021 14:57	U	1
o-Xylene	95-47-6	<0.000404	0.00200	0.000404	mg/kg	01.04.2021 14:57	U	1
Total Xylenes	1330-20-7	<0.000404	0.00200	0.000404	mg/kg	01.04.2021 14:57	U	1
Total BTEX		<0.000404	0.00200	0.000404	mg/kg	01.04.2021 14:57	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	107	%	70-130	01.04.2021 14:57	
4-Bromofluorobenzene	460-00-4	117	%	70-130	01.04.2021 14:57	

eurofins | Environment Testing Xenco

Certificate of Analytical Results 683093

Ensolum, Dallas, TX

Peashooter 6" Leak

Sample Id: **CS-9** Matrix: Soil Date Received:12.31.2020 08:38

Lab Sample Id: 683093-003 Date Collected: 12.30.2020 15:55 Sample Depth: 0 - 4 ft

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Tech: SPC

Analyst: SPC Date Prep: 12.31.2020 10:12 % Moisture:

Seq Number: 3146528 Basis: Wet Weight

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**5.23**	4.99	0.857	mg/kg	12.31.2020 13:58		1

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P

Tech: CAC

Analyst: CAC Date Prep: 01.04.2021 11:00 % Moisture:

Seq Number: 3146728 Basis: Wet Weight

NO_CERT#

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	**15.4**	50.3	14.0	mg/kg	01.04.2021 15:01	J	1
Diesel Range Organics (DRO)	C10C28DRO	**78.4**	50.3	11.5	mg/kg	01.04.2021 15:01		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<11.5	50.3	11.5	mg/kg	01.04.2021 15:01	U	1
Total TPH	PHC635	**93.8**	50.3	11.5	mg/kg	01.04.2021 15:01		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	115	%	70-135	01.04.2021 15:01	
o-Terphenyl	84-15-1	103	%	70-135	01.04.2021 15:01	

eurofins | Environment Testing Xenco

Certificate of Analytical Results 683093

Ensolum, Dallas, TX

Peashooter 6" Leak

Sample Id:	**CS-9**	Matrix:	Soil	Date Received:	12.31.2020 08:38
Lab Sample Id:	683093-003	Date Collected:	12.30.2020 15:55	Sample Depth:	0 - 4 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.04.2021 11:00	% Moisture:	
Seq Number:	3146709			Basis:	Wet Weight
				NO_CERT#	

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.000486	0.00200	0.000486	mg/kg	01.04.2021 15:19	U	1
Toluene	108-88-3	<0.000529	0.00200	0.000529	mg/kg	01.04.2021 15:19	U	1
Ethylbenzene	100-41-4	<0.000407	0.00200	0.000407	mg/kg	01.04.2021 15:19	U	1
m,p-Xylenes	179601-23-1	<0.000755	0.00401	0.000755	mg/kg	01.04.2021 15:19	U	1
o-Xylene	95-47-6	<0.000404	0.00200	0.000404	mg/kg	01.04.2021 15:19	U	1
Total Xylenes	1330-20-7	<0.000404	0.00200	0.000404	mg/kg	01.04.2021 15:19	U	1
Total BTEX		<0.000404	0.00200	0.000404	mg/kg	01.04.2021 15:19	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	95	%	70-130	01.04.2021 15:19	
4-Bromofluorobenzene	460-00-4	119	%	70-130	01.04.2021 15:19	

eurofins | Environment Testing Xenco

Certificate of Analytical Results 683093

Ensolum, Dallas, TX

Peashooter 6" Leak

Sample Id:	**CS-10**	Matrix:	Soil	Date Received:	12.31.2020 08:38
Lab Sample Id:	683093-004	Date Collected:	12.30.2020 16:05	Sample Depth:	0 - 4 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	SPC				
Analyst:	SPC	Date Prep:	12.31.2020 10:12	% Moisture:	
Seq Number:	3146528			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**5.21**	5.02	0.862	mg/kg	12.31.2020 14:03		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	CAC				
Analyst:	CAC	Date Prep:	01.04.2021 11:00	% Moisture:	
Seq Number:	3146728			Basis:	Wet Weight
				NO_CERT#	

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<13.9	50.1	13.9	mg/kg	01.04.2021 15:21	U	1
Diesel Range Organics (DRO)	C10C28DRO	<11.5	50.1	11.5	mg/kg	01.04.2021 15:21	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<11.5	50.1	11.5	mg/kg	01.04.2021 15:21	U	1
Total TPH	PHC635	<11.5	50.1	11.5	mg/kg	01.04.2021 15:21	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	106	%	70-135	01.04.2021 15:21	
o-Terphenyl	84-15-1	101	%	70-135	01.04.2021 15:21	

eurofins | Environment Testing Xenco

Certificate of Analytical Results 683093

Ensolum, Dallas, TX

Peashooter 6" Leak

Sample Id:	**CS-10**	Matrix:	Soil	Date Received:	12.31.2020 08:38
Lab Sample Id:	683093-004	Date Collected:	12.30.2020 16:05	Sample Depth:	0 - 4 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.04.2021 11:00	% Moisture:	
Seq Number:	3146709			Basis:	Wet Weight
				NO_CERT#	

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.000487	0.00201	0.000487	mg/kg	01.04.2021 15:42	U	1
Toluene	108-88-3	<0.000530	0.00201	0.000530	mg/kg	01.04.2021 15:42	U	1
Ethylbenzene	100-41-4	<0.000408	0.00201	0.000408	mg/kg	01.04.2021 15:42	U	1
m,p-Xylenes	179601-23-1	<0.000757	0.00402	0.000757	mg/kg	01.04.2021 15:42	U	1
o-Xylene	95-47-6	<0.000405	0.00201	0.000405	mg/kg	01.04.2021 15:42	U	1
Total Xylenes	1330-20-7	<0.000405	0.00201	0.000405	mg/kg	01.04.2021 15:42	U	1
Total BTEX		<0.000405	0.00201	0.000405	mg/kg	01.04.2021 15:42	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	98	%	70-130	01.04.2021 15:42	
4-Bromofluorobenzene	460-00-4	121	%	70-130	01.04.2021 15:42	

eurofins | Environment Testing Xenco

Certificate of Analytical Results 683093

Ensolum, Dallas, TX

Peashooter 6" Leak

Sample Id: **CS-11** Matrix: Soil Date Received:12.31.2020 08:38

Lab Sample Id: 683093-005 Date Collected: 12.30.2020 16:15 Sample Depth: 4 - 4 ft

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Tech: SPC

Analyst: SPC Date Prep: 12.31.2020 10:12 % Moisture:

Seq Number: 3146528 Basis: Wet Weight

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**4.50**	5.05	0.867	mg/kg	12.31.2020 14:08	J	1

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P

Tech: CAC

Analyst: CAC Date Prep: 01.04.2021 11:00 % Moisture:

Seq Number: 3146728 Basis: Wet Weight

NO_CERT#

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	**78.8**	50.0	13.9	mg/kg	01.04.2021 15:41		1
Diesel Range Organics (DRO)	C10C28DRO	**234**	50.0	11.5	mg/kg	01.04.2021 15:41		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<11.4	50.0	11.4	mg/kg	01.04.2021 15:41	U	1
Total TPH	PHC635	**313**	50.0	11.4	mg/kg	01.04.2021 15:41		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	97	%	70-135	01.04.2021 15:41	
o-Terphenyl	84-15-1	110	%	70-135	01.04.2021 15:41	

eurofins | Environment Testing Xenco

Certificate of Analytical Results 683093

Ensolum, Dallas, TX

Peashooter 6" Leak

Sample Id:	**CS-11**	Matrix:	Soil	Date Received:	12.31.2020 08:38
Lab Sample Id:	683093-005	Date Collected:	12.30.2020 16:15	Sample Depth:	4 - 4 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.04.2021 11:00	% Moisture:	
Seq Number:	3146709			Basis:	Wet Weight
				NO_CERT#	

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.0162	0.0167	0.0162	mg/kg	01.04.2021 16:04	U	1
Toluene	108-88-3	<0.0176	0.0167	0.0176	mg/kg	01.04.2021 16:04	U	1
Ethylbenzene	100-41-4	**0.594**	0.0667	0.0135	mg/kg	01.04.2021 16:04		1
m,p-Xylenes	179601-23-1	**0.753**	0.133	0.0251	mg/kg	01.04.2021 16:04		1
o-Xylene	95-47-6	**0.561**	0.0667	0.0134	mg/kg	01.04.2021 16:04		1
Total Xylenes	1330-20-7	**1.31**	0.0667	0.0134	mg/kg	01.04.2021 16:04		1
Total BTEX		**1.91**	0.0167	0.0134	mg/kg	01.04.2021 16:04		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	102	%	70-130	01.04.2021 16:04	
4-Bromofluorobenzene	460-00-4	111	%	70-130	01.04.2021 16:04	

eurofins | Environment Testing Xenco

Certificate of Analytical Results 683093

Ensolum, Dallas, TX

Peashooter 6" Leak

Sample Id:	**CS-12**	Matrix:	Soil	Date Received:	12.31.2020 08:38
Lab Sample Id:	683093-006	Date Collected:	12.30.2020 16:25	Sample Depth:	4 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	SPC				
Analyst:	SPC	Date Prep:	12.31.2020 10:12	% Moisture:	
Seq Number:	3146528			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**4.24**	5.00	0.858	mg/kg	12.31.2020 14:24	J	1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	CAC				
Analyst:	CAC	Date Prep:	01.04.2021 11:00	% Moisture:	
Seq Number:	3146728			Basis:	Wet Weight
				NO_CERT#	

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	**21.5**	49.8	13.8	mg/kg	01.04.2021 16:02	J	1
Diesel Range Organics (DRO)	C10C28DRO	**48.0**	49.8	11.4	mg/kg	01.04.2021 16:02	J	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<11.4	49.8	11.4	mg/kg	01.04.2021 16:02	U	1
Total TPH	PHC635	**69.5**	49.8	11.4	mg/kg	01.04.2021 16:02		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	99	%	70-135	01.04.2021 16:02	
o-Terphenyl	84-15-1	97	%	70-135	01.04.2021 16:02	

eurofins | Environment Testing Xenco

Certificate of Analytical Results 683093

Ensolum, Dallas, TX

Peashooter 6" Leak

Sample Id:	**CS-12**	Matrix:	Soil	Date Received:	12.31.2020 08:38
Lab Sample Id:	683093-006	Date Collected:	12.30.2020 16:25	Sample Depth:	4 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.04.2021 11:00	% Moisture:	
Seq Number:	3146709			Basis:	Wet Weight
				NO_CERT#	

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.000484	0.00199	0.000484	mg/kg	01.04.2021 17:01	U	1
Toluene	108-88-3	<0.000526	0.00199	0.000526	mg/kg	01.04.2021 17:01	U	1
Ethylbenzene	100-41-4	<0.000405	0.00199	0.000405	mg/kg	01.04.2021 17:01	U	1
m,p-Xylenes	179601-23-1	<0.000751	0.00398	0.000751	mg/kg	01.04.2021 17:01	U	1
o-Xylene	95-47-6	<0.000401	0.00199	0.000401	mg/kg	01.04.2021 17:01	U	1
Total Xylenes	1330-20-7	<0.000401	0.00199	0.000401	mg/kg	01.04.2021 17:01	U	1
Total BTEX		<0.000401	0.00199	0.000401	mg/kg	01.04.2021 17:01	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	107	%	70-130	01.04.2021 17:01	
4-Bromofluorobenzene	460-00-4	121	%	70-130	01.04.2021 17:01	

eurofins | Environment Testing Xenco

Certificate of Analytical Results 683093

Ensolum, Dallas, TX

Peashooter 6" Leak

Sample Id:	**CS-13**	Matrix:	Soil	Date Received:	12.31.2020 08:38
Lab Sample Id:	683093-007	Date Collected:	12.30.2020 17:00	Sample Depth:	0 - 3 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	SPC				
Analyst:	SPC	Date Prep:	12.31.2020 10:12	% Moisture:	
Seq Number:	3146528			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**5.58**	5.00	0.858	mg/kg	12.31.2020 14:29		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	CAC				
Analyst:	CAC	Date Prep:	01.04.2021 11:00	% Moisture:	
Seq Number:	3146728			Basis:	Wet Weight
				NO_CERT#	

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	**23.6**	50.0	13.9	mg/kg	01.04.2021 16:22	J	1
Diesel Range Organics (DRO)	C10C28DRO	**46.1**	50.0	11.5	mg/kg	01.04.2021 16:22	J	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<11.4	50.0	11.4	mg/kg	01.04.2021 16:22	U	1
Total TPH	PHC635	**69.7**	50.0	11.4	mg/kg	01.04.2021 16:22		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	108	%	70-135	01.04.2021 16:22	
o-Terphenyl	84-15-1	111	%	70-135	01.04.2021 16:22	

eurofins | Environment Testing Xenco

Certificate of Analytical Results 683093

Ensolum, Dallas, TX

Peashooter 6" Leak

Sample Id:	**CS-13**	Matrix:	Soil	Date Received:	12.31.2020 08:38
Lab Sample Id:	683093-007	Date Collected:	12.30.2020 17:00	Sample Depth:	0 - 3 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.04.2021 11:00	% Moisture:	
Seq Number:	3146709			Basis:	Wet Weight
				NO_CERT#	

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.000485	0.00200	0.000485	mg/kg	01.04.2021 17:24	U	1
Toluene	108-88-3	<0.000527	0.00200	0.000527	mg/kg	01.04.2021 17:24	U	1
Ethylbenzene	100-41-4	<0.000405	0.00200	0.000405	mg/kg	01.04.2021 17:24	U	1
m,p-Xylenes	179601-23-1	<0.000752	0.00399	0.000752	mg/kg	01.04.2021 17:24	U	1
o-Xylene	95-47-6	<0.000402	0.00200	0.000402	mg/kg	01.04.2021 17:24	U	1
Total Xylenes	1330-20-7	<0.000402	0.00200	0.000402	mg/kg	01.04.2021 17:24	U	1
Total BTEX		<0.000402	0.00200	0.000402	mg/kg	01.04.2021 17:24	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	108	%	70-130	01.04.2021 17:24	
4-Bromofluorobenzene	460-00-4	112	%	70-130	01.04.2021 17:24	

eurofins | Environment Testing Xenco

Certificate of Analytical Results 683093

Ensolum, Dallas, TX

Peashooter 6" Leak

Sample Id: **CS-14** Matrix: Soil Date Received:12.31.2020 08:38

Lab Sample Id: 683093-008 Date Collected: 12.30.2020 17:05 Sample Depth: 0 - 3 ft

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Tech: SPC

Analyst: SPC Date Prep: 12.31.2020 10:12 % Moisture:

Seq Number: 3146528 Basis: Wet Weight

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**4.26**	4.96	0.852	mg/kg	12.31.2020 14:34	J	1

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P

Tech: CAC

Analyst: CAC Date Prep: 01.04.2021 11:00 % Moisture:

Seq Number: 3146728 Basis: Wet Weight

NO_CERT#

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<13.8	49.8	13.8	mg/kg	01.04.2021 16:42	U	1
Diesel Range Organics (DRO)	C10C28DRO	**13.6**	49.8	11.4	mg/kg	01.04.2021 16:42	J	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<11.4	49.8	11.4	mg/kg	01.04.2021 16:42	U	1
Total TPH	PHC635	**13.6**	49.8	11.4	mg/kg	01.04.2021 16:42	J	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	105	%	70-135	01.04.2021 16:42	
o-Terphenyl	84-15-1	119	%	70-135	01.04.2021 16:42	

eurofins | Environment Testing Xenco

Certificate of Analytical Results 683093

Ensolum, Dallas, TX

Peashooter 6" Leak

Sample Id:	**CS-14**	Matrix:	Soil	Date Received:	12.31.2020 08:38
Lab Sample Id:	683093-008	Date Collected:	12.30.2020 17:05	Sample Depth:	0 - 3 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.04.2021 11:00	% Moisture:	
Seq Number:	3146709			Basis:	Wet Weight
				NO_CERT#	

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.000482	0.00198	0.000482	mg/kg	01.04.2021 17:46	U	1
Toluene	108-88-3	<0.000524	0.00198	0.000524	mg/kg	01.04.2021 17:46	U	1
Ethylbenzene	100-41-4	<0.000403	0.00198	0.000403	mg/kg	01.04.2021 17:46	U	1
m,p-Xylenes	179601-23-1	<0.000748	0.00397	0.000748	mg/kg	01.04.2021 17:46	U	1
o-Xylene	95-47-6	<0.000400	0.00198	0.000400	mg/kg	01.04.2021 17:46	U	1
Total Xylenes	1330-20-7	<0.000400	0.00198	0.000400	mg/kg	01.04.2021 17:46	U	1
Total BTEX		<0.000400	0.00198	0.000400	mg/kg	01.04.2021 17:46	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	112	%	70-130	01.04.2021 17:46	
1,4-Difluorobenzene	540-36-3	103	%	70-130	01.04.2021 17:46	

eurofins | Environment Testing Xenco

Certificate of Analytical Results 683093

Ensolum, Dallas, TX

Peashooter 6" Leak

Sample Id:	**CS-15**	Matrix:	Soil	Date Received:	12.31.2020 08:38
Lab Sample Id:	683093-009	Date Collected:	12.30.2020 17:15	Sample Depth:	0 - 3 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	SPC				
Analyst:	SPC	Date Prep:	12.31.2020 10:12	% Moisture:	
Seq Number:	3146528			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**6.31**	5.04	0.865	mg/kg	12.31.2020 14:40		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	CAC				
Analyst:	CAC	Date Prep:	01.04.2021 11:00	% Moisture:	
Seq Number:	3146728			Basis:	Wet Weight
				NO_CERT#	

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	**16.1**	49.9	13.9	mg/kg	01.04.2021 17:02	J	1
Diesel Range Organics (DRO)	C10C28DRO	**47.3**	49.9	11.4	mg/kg	01.04.2021 17:02	J	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<11.4	49.9	11.4	mg/kg	01.04.2021 17:02	U	1
Total TPH	PHC635	**63.4**	49.9	11.4	mg/kg	01.04.2021 17:02		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	111	%	70-135	01.04.2021 17:02	
o-Terphenyl	84-15-1	117	%	70-135	01.04.2021 17:02	

eurofins | Environment Testing Xenco

Certificate of Analytical Results 683093

Ensolum, Dallas, TX

Peashooter 6" Leak

Sample Id:	**CS-15**	Matrix:	Soil	Date Received:	12.31.2020 08:38
Lab Sample Id:	683093-009	Date Collected:	12.30.2020 17:15	Sample Depth:	0 - 3 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.04.2021 11:00	% Moisture:	
Seq Number:	3146709			Basis:	Wet Weight
				NO_CERT#	

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.000486	0.00200	0.000486	mg/kg	01.04.2021 18:08	U	1
Toluene	108-88-3	<0.000528	0.00200	0.000528	mg/kg	01.04.2021 18:08	U	1
Ethylbenzene	100-41-4	<0.000406	0.00200	0.000406	mg/kg	01.04.2021 18:08	U	1
m,p-Xylenes	179601-23-1	<0.000754	0.00400	0.000754	mg/kg	01.04.2021 18:08	U	1
o-Xylene	95-47-6	<0.000403	0.00200	0.000403	mg/kg	01.04.2021 18:08	U	1
Total Xylenes	1330-20-7	<0.000403	0.00200	0.000403	mg/kg	01.04.2021 18:08	U	1
Total BTEX		<0.000403	0.00200	0.000403	mg/kg	01.04.2021 18:08	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	93	%	70-130	01.04.2021 18:08	
4-Bromofluorobenzene	460-00-4	114	%	70-130	01.04.2021 18:08	

eurofins | Environment Testing Xenco

Certificate of Analytical Results 683093

Ensolum, Dallas, TX

Peashooter 6" Leak

Sample Id:	**CS-16**	Matrix:	Soil	Date Received:	12.31.2020 08:38
Lab Sample Id:	683093-010	Date Collected:	12.30.2020 17:25	Sample Depth:	3 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	SPC				
Analyst:	SPC	Date Prep:	12.31.2020 10:12	% Moisture:	
Seq Number:	3146528			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**6.37**	5.02	0.862	mg/kg	12.31.2020 14:45		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	CAC				
Analyst:	CAC	Date Prep:	01.04.2021 11:00	% Moisture:	
Seq Number:	3146728			Basis:	Wet Weight
				NO_CERT#	

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	**14.5**	49.8	13.8	mg/kg	01.04.2021 17:22	J	1
Diesel Range Organics (DRO)	C10C28DRO	**47.3**	49.8	11.4	mg/kg	01.04.2021 17:22	J	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<11.4	49.8	11.4	mg/kg	01.04.2021 17:22	U	1
Total TPH	PHC635	**61.8**	49.8	11.4	mg/kg	01.04.2021 17:22		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	117	%	70-135	01.04.2021 17:22	
o-Terphenyl	84-15-1	109	%	70-135	01.04.2021 17:22	

eurofins | Environment Testing Xenco

Certificate of Analytical Results 683093

Ensolum, Dallas, TX

Peashooter 6" Leak

Sample Id:	**CS-16**	Matrix:	Soil	Date Received:	12.31.2020 08:38
Lab Sample Id:	683093-010	Date Collected:	12.30.2020 17:25	Sample Depth:	3 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.04.2021 11:00	% Moisture:	
Seq Number:	3146709			Basis:	Wet Weight
				NO_CERT#	

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.000484	0.00199	0.000484	mg/kg	01.04.2021 18:31	U	1
Toluene	108-88-3	<0.000526	0.00199	0.000526	mg/kg	01.04.2021 18:31	U	1
Ethylbenzene	100-41-4	<0.000405	0.00199	0.000405	mg/kg	01.04.2021 18:31	U	1
m,p-Xylenes	179601-23-1	<0.000751	0.00398	0.000751	mg/kg	01.04.2021 18:31	U	1
o-Xylene	95-47-6	**0.0738**	0.00199	0.000401	mg/kg	01.04.2021 18:31		1
Total Xylenes	1330-20-7	**0.0738**	0.00199	0.000401	mg/kg	01.04.2021 18:31		1
Total BTEX		**0.0738**	0.00199	0.000401	mg/kg	01.04.2021 18:31		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	103	%	70-130	01.04.2021 18:31	
4-Bromofluorobenzene	460-00-4	118	%	70-130	01.04.2021 18:31	

eurofins | Environment Testing Xenco

Certificate of Analytical Results 683093

Ensolum, Dallas, TX

Peashooter 6" Leak

Sample Id:	**CS-17**	Matrix:	Soil	Date Received:	12.31.2020 08:38
Lab Sample Id:	683093-011	Date Collected:	12.30.2020 17:30	Sample Depth:	3 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	SPC				
Analyst:	SPC	Date Prep:	12.31.2020 10:12	% Moisture:	
Seq Number:	3146528			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**58.3**	4.99	0.857	mg/kg	12.31.2020 14:50		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	CAC				
Analyst:	CAC	Date Prep:	01.04.2021 11:00	% Moisture:	
Seq Number:	3146728			Basis:	Wet Weight
				NO_CERT#	

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	**34.6**	50.0	13.9	mg/kg	01.05.2021 07:43	J	1
Diesel Range Organics (DRO)	C10C28DRO	**61.7**	50.0	11.5	mg/kg	01.05.2021 07:43		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<11.4	50.0	11.4	mg/kg	01.05.2021 07:43	U	1
Total TPH	PHC635	**96.3**	50.0	11.4	mg/kg	01.05.2021 07:43		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	115	%	70-135	01.05.2021 07:43	
o-Terphenyl	84-15-1	111	%	70-135	01.05.2021 07:43	

eurofins | Environment Testing Xenco

Certificate of Analytical Results 683093

Ensolum, Dallas, TX

Peashooter 6" Leak

Sample Id:	**CS-17**	Matrix:	Soil	Date Received:	12.31.2020 08:38
Lab Sample Id:	683093-011	Date Collected:	12.30.2020 17:30	Sample Depth:	3 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.04.2021 11:00	% Moisture:	
Seq Number:	3146709			Basis:	Wet Weight
				NO_CERT#	

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.000487	0.00201	0.000487	mg/kg	01.04.2021 20:13	U	1
Toluene	108-88-3	<0.000530	0.00201	0.000530	mg/kg	01.04.2021 20:13	U	1
Ethylbenzene	100-41-4	**0.0107**	0.00201	0.000408	mg/kg	01.04.2021 20:13		1
m,p-Xylenes	179601-23-1	**0.0151**	0.00402	0.000757	mg/kg	01.04.2021 20:13		1
o-Xylene	95-47-6	**0.0122**	0.00201	0.000405	mg/kg	01.04.2021 20:13		1
Total Xylenes	1330-20-7	**0.0273**	0.00201	0.000405	mg/kg	01.04.2021 20:13		1
Total BTEX		**0.0380**	0.00201	0.000405	mg/kg	01.04.2021 20:13		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	102	%	70-130	01.04.2021 20:13	
1,4-Difluorobenzene	540-36-3	100	%	70-130	01.04.2021 20:13	

eurofins | Environment Testing Xenco

Certificate of Analytical Results 683093

Ensolum, Dallas, TX

Peashooter 6" Leak

Sample Id:	**CS-18**	Matrix:	Soil	Date Received:	12.31.2020 08:38
Lab Sample Id:	683093-012	Date Collected:	12.30.2020 17:40	Sample Depth:	3 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	SPC				
Analyst:	SPC	Date Prep:	12.31.2020 10:12	% Moisture:	
Seq Number:	3146528			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**6.44**	4.97	0.853	mg/kg	12.31.2020 15:06		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	CAC				
Analyst:	CAC	Date Prep:	01.04.2021 11:00	% Moisture:	
Seq Number:	3146728			Basis:	Wet Weight
				NO_CERT#	

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	**19.2**	49.9	13.8	mg/kg	01.05.2021 08:03	J	1
Diesel Range Organics (DRO)	C10C28DRO	**46.2**	49.9	11.4	mg/kg	01.05.2021 08:03	J	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<11.4	49.9	11.4	mg/kg	01.05.2021 08:03	U	1
Total TPH	PHC635	**65.4**	49.9	11.4	mg/kg	01.05.2021 08:03		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	118	%	70-135	01.05.2021 08:03	
o-Terphenyl	84-15-1	119	%	70-135	01.05.2021 08:03	

eurofins | Environment Testing Xenco

Certificate of Analytical Results 683093

Ensolum, Dallas, TX

Peashooter 6" Leak

Sample Id:	**CS-18**	Matrix:	Soil	Date Received:	12.31.2020 08:38
Lab Sample Id:	683093-012	Date Collected:	12.30.2020 17:40	Sample Depth:	3 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.04.2021 11:00	% Moisture:	
Seq Number:	3146709			Basis:	Wet Weight
				NO_CERT#	

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.000488	0.00201	0.000488	mg/kg	01.05.2021 09:22	U	1
Toluene	108-88-3	<0.000531	0.00201	0.000531	mg/kg	01.05.2021 09:22	U	1
Ethylbenzene	100-41-4	<0.000409	0.00201	0.000409	mg/kg	01.05.2021 09:22	U	1
m,p-Xylenes	179601-23-1	<0.000758	0.00402	0.000758	mg/kg	01.05.2021 09:22	U	1
o-Xylene	95-47-6	<0.000406	0.00201	0.000406	mg/kg	01.05.2021 09:22	U	1
Total Xylenes	1330-20-7	<0.000406	0.00201	0.000406	mg/kg	01.05.2021 09:22	U	1
Total BTEX		<0.000406	0.00201	0.000406	mg/kg	01.05.2021 09:22	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	114	%	70-130	01.05.2021 09:22	
1,4-Difluorobenzene	540-36-3	105	%	70-130	01.05.2021 09:22	

eurofins | Environment Testing Xenco

Certificate of Analytical Results 683093

Ensolum, Dallas, TX

Peashooter 6" Leak

Sample Id:	**CS-19**	Matrix:	Soil	Date Received:	12.31.2020 08:38
Lab Sample Id:	683093-013	Date Collected:	12.30.2020 17:50	Sample Depth:	3 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	SPC				
Analyst:	SPC	Date Prep:	12.31.2020 10:12	% Moisture:	
Seq Number:	3146528			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**20.8**	4.97	0.853	mg/kg	12.31.2020 15:11		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	CAC				
Analyst:	CAC	Date Prep:	01.04.2021 11:00	% Moisture:	
Seq Number:	3146728			Basis:	Wet Weight
				NO_CERT#	

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	**48.3**	49.9	13.9	mg/kg	01.05.2021 08:23	J	1
Diesel Range Organics (DRO)	C10C28DRO	**66.3**	49.9	11.4	mg/kg	01.05.2021 08:23		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<11.4	49.9	11.4	mg/kg	01.05.2021 08:23	U	1
Total TPH	PHC635	**115**	49.9	11.4	mg/kg	01.05.2021 08:23		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	109	%	70-135	01.05.2021 08:23	
o-Terphenyl	84-15-1	102	%	70-135	01.05.2021 08:23	

eurofins | Environment Testing Xenco

Certificate of Analytical Results 683093

Ensolum, Dallas, TX

Peashooter 6" Leak

Sample Id:	**CS-19**	Matrix:	Soil	Date Received:	12.31.2020 08:38
Lab Sample Id:	683093-013	Date Collected:	12.30.2020 17:50	Sample Depth:	3 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.04.2021 11:00	% Moisture:	
Seq Number:	3146709			Basis:	Wet Weight
				NO_CERT#	

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00506	0.00521	0.00506	mg/kg	01.04.2021 20:58	U	1
Toluene	108-88-3	**0.296**	0.0208	0.00550	mg/kg	01.04.2021 20:58		1
Ethylbenzene	100-41-4	**0.540**	0.0208	0.00423	mg/kg	01.04.2021 20:58		1
m,p-Xylenes	179601-23-1	**0.820**	0.0417	0.00785	mg/kg	01.04.2021 20:58		1
o-Xylene	95-47-6	**0.409**	0.0208	0.00420	mg/kg	01.04.2021 20:58		1
Total Xylenes	1330-20-7	**1.23**	0.0208	0.00420	mg/kg	01.04.2021 20:58		1
Total BTEX		**2.07**	0.00521	0.00420	mg/kg	01.04.2021 20:58		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	101	%	70-130	01.04.2021 20:58	
4-Bromofluorobenzene	460-00-4	108	%	70-130	01.04.2021 20:58	

eurofins | Environment Testing Xenco

Certificate of Analytical Results 683093

Ensolum, Dallas, TX

Peashooter 6" Leak

Sample Id:	**CS-20**	Matrix:	Soil	Date Received:	12.31.2020 08:38
Lab Sample Id:	683093-014	Date Collected:	12.30.2020 17:55	Sample Depth:	3 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	SPC				
Analyst:	SPC	Date Prep:	12.31.2020 10:12	% Moisture:	
Seq Number:	3146528			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**20.3**	4.97	0.853	mg/kg	12.31.2020 15:27		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	CAC				
Analyst:	CAC	Date Prep:	01.04.2021 11:00	% Moisture:	
Seq Number:	3146728			Basis:	Wet Weight
				NO_CERT#	

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	**20.1**	49.8	13.8	mg/kg	01.05.2021 08:43	J	1
Diesel Range Organics (DRO)	C10C28DRO	**58.6**	49.8	11.4	mg/kg	01.05.2021 08:43		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<11.4	49.8	11.4	mg/kg	01.05.2021 08:43	U	1
Total TPH	PHC635	**78.7**	49.8	11.4	mg/kg	01.05.2021 08:43		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	100	%	70-135	01.05.2021 08:43	
o-Terphenyl	84-15-1	112	%	70-135	01.05.2021 08:43	

eurofins | Environment Testing Xenco

Certificate of Analytical Results 683093

Ensolum, Dallas, TX

Peashooter 6" Leak

Sample Id:	**CS-20**	Matrix:	Soil	Date Received:	12.31.2020 08:38
Lab Sample Id:	683093-014	Date Collected:	12.30.2020 17:55	Sample Depth:	3 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.04.2021 11:00	% Moisture:	
Seq Number:	3146709			Basis:	Wet Weight
				NO_CERT#	

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00248	0.00255	0.00248	mg/kg	01.04.2021 21:20	U	1
Toluene	108-88-3	**0.222**	0.0102	0.00269	mg/kg	01.04.2021 21:20		1
Ethylbenzene	100-41-4	**0.265**	0.0102	0.00207	mg/kg	01.04.2021 21:20		1
m,p-Xylenes	179601-23-1	**0.414**	0.0204	0.00384	mg/kg	01.04.2021 21:20		1
o-Xylene	95-47-6	**0.248**	0.0102	0.00206	mg/kg	01.04.2021 21:20		1
Total Xylenes	1330-20-7	**0.662**	0.0102	0.00206	mg/kg	01.04.2021 21:20		1
Total BTEX		**1.15**	0.00255	0.00206	mg/kg	01.04.2021 21:20		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	102	%	70-130	01.04.2021 21:20	
4-Bromofluorobenzene	460-00-4	116	%	70-130	01.04.2021 21:20	

eurofins | Environment Testing Xenco

Certificate of Analytical Results 683093

Ensolum, Dallas, TX

Peashooter 6" Leak

Sample Id: **STP-1** Matrix: Soil Date Received:12.31.2020 08:38

Lab Sample Id: 683093-015 Date Collected: 12.30.2020 18:10

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Tech: SPC

Analyst: SPC Date Prep: 12.31.2020 10:12 % Moisture:

Seq Number: 3146528 Basis: Wet Weight

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**81.0**	4.97	0.853	mg/kg	12.31.2020 15:32		1

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P

Tech: CAC

Analyst: CAC Date Prep: 01.04.2021 11:00 % Moisture:

Seq Number: 3146728 Basis: Wet Weight

NO_CERT#

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	**271**	250	69.4	mg/kg	01.05.2021 09:04		5
Diesel Range Organics (DRO)	C10C28DRO	**7300**	250	57.3	mg/kg	01.05.2021 09:04		5
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	**250**	250	57.2	mg/kg	01.05.2021 09:04	J	5
Total TPH	PHC635	**7820**	250	57.2	mg/kg	01.05.2021 09:04		5

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	100	%	70-135	01.05.2021 09:04	
o-Terphenyl	84-15-1	118	%	70-135	01.05.2021 09:04	

eurofins | Environment Testing Xenco

Certificate of Analytical Results 683093

Ensolum, Dallas, TX

Peashooter 6" Leak

Sample Id: **STP-1** Matrix: Soil Date Received:12.31.2020 08:38

Lab Sample Id: 683093-015 Date Collected: 12.30.2020 18:10

Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A

Tech: MAB

Analyst: MAB Date Prep: 01.04.2021 11:00 % Moisture:

Seq Number: 3146709 Basis: Wet Weight

NO_CERT#

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.121	0.125	0.121	mg/kg	01.05.2021 09:44	U	250
Toluene	108-88-3	**36.6**	0.499	0.132	mg/kg	01.05.2021 09:44		250
Ethylbenzene	100-41-4	**41.6**	0.499	0.101	mg/kg	01.05.2021 09:44		250
m,p-Xylenes	179601-23-1	**58.0**	0.998	0.188	mg/kg	01.05.2021 09:44		250
o-Xylene	95-47-6	**24.4**	0.499	0.101	mg/kg	01.05.2021 09:44		250
Total Xylenes	1330-20-7	**82.4**	0.499	0.101	mg/kg	01.05.2021 09:44		250
Total BTEX		**161**	0.125	0.101	mg/kg	01.05.2021 09:44		250

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	105	%	70-130	01.05.2021 09:44	
1,4-Difluorobenzene	540-36-3	94	%	70-130	01.05.2021 09:44	

eurofins | Environment Testing Xenco

Certificate of Analytical Results 683093

Ensolum, Dallas, TX

Peashooter 6" Leak

Sample Id: **STP-2** Matrix: Soil Date Received:12.31.2020 08:38

Lab Sample Id: 683093-016 Date Collected: 12.30.2020 18:15

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Tech: SPC

Analyst: SPC Date Prep: 12.31.2020 10:12 % Moisture:

Seq Number: 3146528 Basis: Wet Weight

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**17.8**	4.95	0.850	mg/kg	12.31.2020 15:37		1

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P

Tech: CAC

Analyst: CAC Date Prep: 01.04.2021 11:00 % Moisture:

Seq Number: 3146728 Basis: Wet Weight

NO_CERT#

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	**123**	250	69.4	mg/kg	01.05.2021 09:24	J	5
Diesel Range Organics (DRO)	C10C28DRO	**2860**	250	57.3	mg/kg	01.05.2021 09:24		5
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	**198**	250	57.2	mg/kg	01.05.2021 09:24	J	5
Total TPH	PHC635	**3180**	250	57.2	mg/kg	01.05.2021 09:24		5

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	91	%	70-135	01.05.2021 09:24	
o-Terphenyl	84-15-1	114	%	70-135	01.05.2021 09:24	

eurofins | Environment Testing Xenco

Certificate of Analytical Results 683093

Ensolum, Dallas, TX

Peashooter 6" Leak

Sample Id:	**STP-2**	Matrix:	Soil	Date Received:	12.31.2020 08:38
Lab Sample Id:	683093-016	Date Collected:	12.30.2020 18:15		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.04.2021 11:00	% Moisture:	
Seq Number:	3146709			Basis:	Wet Weight
				NO_CERT#	

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.121	0.125	0.121	mg/kg	01.05.2021 10:07	U	250
Toluene	108-88-3	**7.29**	0.499	0.132	mg/kg	01.05.2021 10:07		250
Ethylbenzene	100-41-4	**10.2**	0.499	0.101	mg/kg	01.05.2021 10:07		250
m,p-Xylenes	179601-23-1	**14.7**	0.998	0.188	mg/kg	01.05.2021 10:07		250
o-Xylene	95-47-6	**7.20**	0.499	0.101	mg/kg	01.05.2021 10:07		250
Total Xylenes	1330-20-7	**21.9**	0.499	0.101	mg/kg	01.05.2021 10:07		250
Total BTEX		**39.4**	0.125	0.101	mg/kg	01.05.2021 10:07		250

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	111	%	70-130	01.05.2021 10:07	
1,4-Difluorobenzene	540-36-3	100	%	70-130	01.05.2021 10:07	

eurofins | Environment Testing Xenco

Certificate of Analytical Results 683093

Ensolum, Dallas, TX

Peashooter 6" Leak

Sample Id: **STP-3** Matrix: Soil Date Received:12.31.2020 08:38

Lab Sample Id: 683093-017 Date Collected: 12.30.2020 18:20

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Tech: SPC

Analyst: SPC Date Prep: 12.31.2020 10:12 % Moisture:

Seq Number: 3146528 Basis: Wet Weight

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**115**	5.05	0.867	mg/kg	12.31.2020 15:42		1

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P

Tech: CAC

Analyst: CAC Date Prep: 01.04.2021 11:00 % Moisture:

Seq Number: 3146728 Basis: Wet Weight

NO_CERT#

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	**268**	250	69.3	mg/kg	01.05.2021 09:45		5
Diesel Range Organics (DRO)	C10C28DRO	**8710**	250	57.2	mg/kg	01.05.2021 09:45		5
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	**261**	250	57.1	mg/kg	01.05.2021 09:45		5
Total TPH	PHC635	**9240**	250	57.1	mg/kg	01.05.2021 09:45		5

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	109	%	70-135	01.05.2021 09:45	
o-Terphenyl	84-15-1	102	%	70-135	01.05.2021 09:45	

eurofins | Environment Testing Xenco

Certificate of Analytical Results 683093

Ensolum, Dallas, TX

Peashooter 6" Leak

Sample Id: **STP-3** Matrix: Soil Date Received:12.31.2020 08:38

Lab Sample Id: 683093-017 Date Collected: 12.30.2020 18:20

Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A

Tech: MAB

Analyst: MAB Date Prep: 01.04.2021 11:00 % Moisture:

Seq Number: 3146709 Basis: Wet Weight

NO_CERT#

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.122	0.125	0.122	mg/kg	01.05.2021 10:29	U	250
Toluene	108-88-3	**21.6**	0.501	0.132	mg/kg	01.05.2021 10:29		250
Ethylbenzene	100-41-4	**23.0**	0.501	0.102	mg/kg	01.05.2021 10:29		250
m,p-Xylenes	179601-23-1	**30.8**	1.00	0.189	mg/kg	01.05.2021 10:29		250
o-Xylene	95-47-6	**14.8**	0.501	0.101	mg/kg	01.05.2021 10:29		250
Total Xylenes	1330-20-7	**45.6**	0.501	0.101	mg/kg	01.05.2021 10:29		250
Total BTEX		**90.2**	0.125	0.101	mg/kg	01.05.2021 10:29		250

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	108	%	70-130	01.05.2021 10:29	
1,4-Difluorobenzene	540-36-3	97	%	70-130	01.05.2021 10:29	

eurofins | Environment Testing Xenco

Certificate of Analytical Results 683093

Ensolum, Dallas, TX

Peashooter 6" Leak

Sample Id: **STP-4** Matrix: Soil Date Received:12.31.2020 08:38

Lab Sample Id: 683093-018 Date Collected: 12.30.2020 18:25

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Tech: SPC

Analyst: SPC Date Prep: 12.31.2020 10:12 % Moisture:

Seq Number: 3146528 Basis: Wet Weight

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**9.33**	5.05	0.867	mg/kg	12.31.2020 15:47		1

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P

Tech: CAC

Analyst: CAC Date Prep: 01.04.2021 11:00 % Moisture:

Seq Number: 3146728 Basis: Wet Weight

NO_CERT#

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	**16.7**	50.1	13.9	mg/kg	01.05.2021 10:05	J	1
Diesel Range Organics (DRO)	C10C28DRO	**29.4**	50.1	11.5	mg/kg	01.05.2021 10:05	J	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<11.5	50.1	11.5	mg/kg	01.05.2021 10:05	U	1
Total TPH	PHC635	**46.1**	50.1	11.5	mg/kg	01.05.2021 10:05	J	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	96	%	70-135	01.05.2021 10:05	
o-Terphenyl	84-15-1	108	%	70-135	01.05.2021 10:05	

eurofins | Environment Testing Xenco

Certificate of Analytical Results 683093

Ensolum, Dallas, TX

Peashooter 6" Leak

Sample Id:	**STP-4**	Matrix:	Soil	Date Received:	12.31.2020 08:38
Lab Sample Id:	683093-018	Date Collected:	12.30.2020 18:25		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.04.2021 11:00	% Moisture:	
Seq Number:	3146709			Basis:	Wet Weight
				NO_CERT#	

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	**0.0382**	0.00400	0.000971	mg/kg	01.04.2021 22:50		1
Toluene	108-88-3	**0.403**	0.00400	0.00106	mg/kg	01.04.2021 22:50		1
Ethylbenzene	100-41-4	**0.241**	0.00400	0.000812	mg/kg	01.04.2021 22:50		1
m,p-Xylenes	179601-23-1	**0.337**	0.00800	0.00151	mg/kg	01.04.2021 22:50		1
o-Xylene	95-47-6	**0.193**	0.00400	0.000806	mg/kg	01.04.2021 22:50		1
Total Xylenes	1330-20-7	**0.530**	0.00400	0.000806	mg/kg	01.04.2021 22:50		1
Total BTEX		**1.21**	0.00400	0.000806	mg/kg	01.04.2021 22:50		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	100	%	70-130	01.04.2021 22:50	
4-Bromofluorobenzene	460-00-4	111	%	70-130	01.04.2021 22:50	

eurofins | Environment Testing Xenco

Flagging Criteria

X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.

B A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.

D The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.

E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.

F RPD exceeded lab control limits.

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

U Analyte was not detected.

L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.

H The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.

K Sample analyzed outside of recommended hold time.

JN A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

** Surrogate recovered outside laboratory control limit.

BRL Below Reporting Limit. **ND** Not Detected.

RL Reporting Limit

MDL Method Detection Limit **SDL** Sample Detection Limit **LOD** Limit of Detection

PQL Practical Quantitation Limit **MQL** Method Quantitation Limit **LOQ** Limit of Quantitation

DL Method Detection Limit

NC Non-Calculable

SMP Client Sample **BLK** Method Blank

BKS/LCS Blank Spike/Laboratory Control Sample **BKSD/LCSD** Blank Spike Duplicate/Laboratory Control Sample Duplicate

MD/SD Method Duplicate/Sample Duplicate **MS** Matrix Spike **MSD:** Matrix Spike Duplicate

+ NELAC certification not offered for this compound.

* (Next to analyte name or method description) = Outside XENCO's scope of NELAC accreditation

QC Summary 683093

eurofins | Environment Testing Xenco

Ensolum

Peashooter 6" Leak

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3146528 — Matrix: Solid — Date Prep: 12.31.2020
MB Sample Id: 7718210-1-BLK — LCS Sample Id: 7718210-1-BKS — LCSD Sample Id: 7718210-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<0.858	250	249	100	251	100	90-110	1	20	mg/kg	12.31.2020 13:27	

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3146528 — Matrix: Soil — Date Prep: 12.31.2020
Parent Sample Id: 683093-001 — MS Sample Id: 683093-001 S — MSD Sample Id: 683093-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	5.49	249	293	115	290	114	90-110	1	20	mg/kg	12.31.2020 13:42	X

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3146528 — Matrix: Soil — Date Prep: 12.31.2020
Parent Sample Id: 683093-011 — MS Sample Id: 683093-011 S — MSD Sample Id: 683093-011 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	58.3	250	329	108	330	109	90-110	0	20	mg/kg	12.31.2020 14:55	

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3146728 — Matrix: Solid — Date Prep: 01.04.2021
MB Sample Id: 7718324-1-BLK — LCS Sample Id: 7718324-1-BKS — LCSD Sample Id: 7718324-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<13.9	1000	1090	109	1000	100	70-135	9	35	mg/kg	01.04.2021 13:01	
Diesel Range Organics (DRO)	<11.5	1000	1120	112	1050	105	70-135	6	35	mg/kg	01.04.2021 13:01	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	107		111		95		70-135	%	01.04.2021 13:01
o-Terphenyl	102		113		109		70-135	%	01.04.2021 13:01

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3146728 — Matrix: Solid — Date Prep: 01.04.2021
MB Sample Id: 7718324-1-BLK

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<11.5	mg/kg	01.04.2021 12:41	

MS/MSD Percent Recovery [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200* | (C-E) / (C+E) |
LCS/LCSD Recovery [D] = 100 * (C) / [B]
Log Difference Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec

eurofins | Environment Testing Xenco

QC Summary 683093

Ensolum

Peashooter 6" Leak

Analytical Method: **TPH by SW8015 Mod** Prep Method: SW8015P
Seq Number: 3146728 Matrix: Soil Date Prep: 01.04.2021
Parent Sample Id: 683093-001 MS Sample Id: 683093-001 S MSD Sample Id: 683093-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<13.8	997	1160	116	1110	111	70-135	4	35	mg/kg	01.04.2021 14:01	
Diesel Range Organics (DRO)	<11.4	997	1070	107	1170	117	70-135	9	35	mg/kg	01.04.2021 14:01	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	114		109		70-135	%	01.04.2021 14:01
o-Terphenyl	104		112		70-135	%	01.04.2021 14:01

Analytical Method: **BTEX by EPA 8021B** Prep Method: SW5035A
Seq Number: 3146709 Matrix: Solid Date Prep: 01.04.2021
MB Sample Id: 7718322-1-BLK LCS Sample Id: 7718322-1-BKS LCSD Sample Id: 7718322-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.000486	0.100	0.0956	96	0.0982	98	70-130	3	35	mg/kg	01.04.2021 12:25	
Toluene	<0.000528	0.100	0.0915	92	0.0920	92	70-130	1	35	mg/kg	01.04.2021 12:25	
Ethylbenzene	<0.000406	0.100	0.0973	97	0.0978	98	71-129	1	35	mg/kg	01.04.2021 12:25	
m,p-Xylenes	<0.000754	0.200	0.203	102	0.201	101	70-135	1	35	mg/kg	01.04.2021 12:25	
o-Xylene	<0.000403	0.100	0.0996	100	0.0969	97	71-133	3	35	mg/kg	01.04.2021 12:25	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	103		103		110		70-130	%	01.04.2021 12:25
4-Bromofluorobenzene	114		110		113		70-130	%	01.04.2021 12:25

Analytical Method: **BTEX by EPA 8021B** Prep Method: SW5035A
Seq Number: 3146709 Matrix: Soil Date Prep: 01.04.2021
Parent Sample Id: 683093-001 MS Sample Id: 683093-001 S MSD Sample Id: 683093-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.000483	0.0994	0.0927	93	0.118	118	70-130	24	35	mg/kg	01.04.2021 18:53	
Toluene	<0.000525	0.0994	0.0866	87	0.113	113	70-130	26	35	mg/kg	01.04.2021 18:53	
Ethylbenzene	<0.000404	0.0994	0.0898	90	0.119	119	71-129	28	35	mg/kg	01.04.2021 18:53	
m,p-Xylenes	<0.000749	0.199	0.187	94	0.244	122	70-135	26	35	mg/kg	01.04.2021 18:53	
o-Xylene	<0.000401	0.0994	0.0896	90	0.119	119	71-133	28	35	mg/kg	01.04.2021 18:53	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	98		99		70-130	%	01.04.2021 18:53
4-Bromofluorobenzene	108		109		70-130	%	01.04.2021 18:53

MS/MSD Percent Recovery [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200* | (C-E) / (C+E) |
LCS/LCSD Recovery [D] = 100 * (C) / [B]
Log Difference Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec

Chain of Custody

Work Order No: 683093

XENCO LABORATORIES
Houston,TX (281) 240-4200 Dallas,TX (214) 902-0300 San Antonio,TX (210) 509-3334
Midland,TX (432) 704-5440 EL Paso,TX (915) 585-3443 Lubbock,TX (806) 794-1296 Craslbad, NM (432) 704-5440
Phoenix,AZ (480) 355-0900 Atlanta,GA (770) 449-8800 Tampa,FL (813) 620-2000 West Palm Beach, FL (561) 689-6701 www.xenco.com

Project Manager:	Beaux Jennings	Bill to: (if different)	
Company Name:	Ensolum LLC.	Company Name:	
Address:	705 W. Wadley Ave	Address:	
City, State ZIP:	Midland, TX 79705	City, State ZIP:	
Phone:	(210) 219-8858	Email:	Bjennings@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:	Peashooter 6" Leak	Turn Around	
Project Number:	03B1226040	Routine ☐	
Project Location	Eddy County, NM	Rush: 24 hrs	
Sampler's Name:	Kelly Lowery	Due Date:	
PO #:	03B1226040	Quote #:	

SAMPLE RECEIPT			
Temp Blank:	Yes No	Wet Ice:	Yes No
Temperature (°C):	-.8	Thermometer ID	IR8
Received Intact:	Yes No		
Cooler Custody Seals:	Yes No N/A	Correction Factor:	.5
Sample Custody Seals:	Yes No N/A	Total Containers:	

ANALYSIS REQUEST

Preservative Codes

MeOH: Me
None: NO
HNO3: HN
H2S04: H2
HCL: HL
NaOH: Na
Zn Acetate+ NaOH: Zn

TAT starts the day recevied by the lab, if received by 4:00pm

Lab ID	Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers	BTEX 8021B	TPH 8015M	Chlorides 300.0	Sample Comments
	CS-7	S	12/30/20	1535	0'-4'	1	X	X	X	24 hrs
	CS-8	S		1545	0'-4'	1	X	X	X	
	CS-9	S		1555	0'-4'	1	X	X	X	
	CS-10	S		1605	0'-4'	1	X	X	X	
	CS-11	S		1615	4'	1	X	X	X	
	CS-12	S		1625	4'	1	X	X	X	
	CS-13	S		1700	0'-3'	1	X	X	X	
	CS-14	S		1705	0'-3'	1	X	X	X	
	CS-15	S		1715	0'-3'	1	X	X	X	
	CS-16	S		1725	3'	1	X	X	X	

NFE 12/30/2020

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Sr Tl Sn U V Zn

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

1631 / 245.1 / 7470 / 7471 : Hg

	Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1	Kelly Lowery		12-31-20 8:38	2		
3				4		
5				6		

Chain of Custody

Work Order No: 483093

XENCO LABORATORIES
Houston,TX (281) 240-4200 Dallas,TX (214) 902-0300 San Antonio,TX (210) 509-3334
Midland,TX (432) 704-5440 EL Paso,TX (915) 585-3443 Lubbock,TX (806) 794-1296 Craslbad, NM (432) 704-5440
Phoenix,AZ (480) 355-0900 Atlanta,GA (770) 449-8800 Tampa,FL (813) 620-2000 West Palm Beach, FL (561) 689-6701
www.xenco.com

Project Manager:	Beaux Jennings	Bill to: (if different)	
Company Name:	Ensolum, LLC.	Company Name:	
Address:	705 W. Wadley Ave.	Address:	
City, State ZIP:	Midland, TX 79705	City, State ZIP:	
Phone:	(210) 219-8858	Email:	Bjennings@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:	Peashooter 6" Leak	Turn Around	
Project Number:	03B1226040	Routine ☐	
Project Location	Eddy County, NM	Rush: 24hr	
Sampler's Name:	Kelly Lowery	Due Date:	
PO #:	03B1226040	Quote #:	

SAMPLE RECEIPT			
Temp Blank:	Yes No	Wet Ice:	Yes No
Temperature (°C):	-8	Thermometer ID	IR8
Received Intact:	Yes No		
Cooler Custody Seals:	Yes No N/A	Correction Factor:	.5
Sample Custody Seals:	Yes No N/A	Total Containers:	

Preservative Codes

MeOH: Me
None: NO
HNO3: HN
H2S04: H2
HCL: HL
NaOH: Na
Zn Acetate+ NaOH: Zn

TAT starts the day recevied by the lab, if received by 4:00pm

Lab ID	Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers	BTEX 8021B	TPH 8015M	Chlorides 300.0	Sample Comments
	CS-17	S	12/30/20	1730	3'	1	X	X	X	24hr
	CS-18	S		1740	3'	1	X	X	X	
	CS-19	S		1750	3'	1	X	X	X	
	CS-20	S		1755	3'	1	X	X	X	
	STP-1	S		1810	-	1	X	X	X	
	STP-2	S		1815	-	1	X	X	X	
	STP-3	S		1820	-	1	X	X	X	
	STP-4	S		1825	-	1	X	X	X	

NFE 12/30/2020 KL

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Sr Tl Sn U V Zn

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

1631 / 245.1 / 7470 / 7471 : Hg

	Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1	Kelly Lowery		12-31-20 8:38			
3				4		
5				6		

CUSTODY SEAL

ENVIRONMENTAL SAMPLING SUPPLY
www.essvial.com 800-233-8425

Signature: Kelly

Date: 12/31/2020

108309 3

Inter-Office Shipment

IOS Number : 75752

Date/Time:	12.31.2020	Created by:	Jessica Kramer	Please send report to:	Jessica Kramer
Lab# From:	**Midland**	Delivery Priority:		Address:	1211 W. Florida Ave
Lab# To:	**Carlsbad**	Air Bill No.:		E-Mail:	jessica.kramer@eurofinset.com

Sample Id	Matrix	Client Sample Id	Sample Collection	Method	Method Name	Lab Due	HT Due	PM	Analytes	Sign
683093-001	S	CS-7	12.30.2020 15:35	SW8015MOD_NM	TPH by SW8015 Mod	01.04.2021	01.13.2021	JKR	PHCC10C28 PHCC28C3	
683093-001	S	CS-7	12.30.2020 15:35	SW8021B	BTEX by EPA 8021B	01.04.2021	01.13.2021	JKR	BR4FBZ BZ BZME EBZ	
683093-002	S	CS-8	12.30.2020 15:45	SW8015MOD_NM	TPH by SW8015 Mod	01.04.2021	01.13.2021	JKR	PHCC10C28 PHCC28C3	
683093-002	S	CS-8	12.30.2020 15:45	SW8021B	BTEX by EPA 8021B	01.04.2021	01.13.2021	JKR	BR4FBZ BZ BZME EBZ	
683093-003	S	CS-9	12.30.2020 15:55	SW8015MOD_NM	TPH by SW8015 Mod	01.04.2021	01.13.2021	JKR	PHCC10C28 PHCC28C3	
683093-003	S	CS-9	12.30.2020 15:55	SW8021B	BTEX by EPA 8021B	01.04.2021	01.13.2021	JKR	BR4FBZ BZ BZME EBZ	
683093-004	S	CS-10	12.30.2020 16:05	SW8015MOD_NM	TPH by SW8015 Mod	01.04.2021	01.13.2021	JKR	PHCC10C28 PHCC28C3	
683093-004	S	CS-10	12.30.2020 16:05	SW8021B	BTEX by EPA 8021B	01.04.2021	01.13.2021	JKR	BR4FBZ BZ BZME EBZ	
683093-005	S	CS-11	12.30.2020 16:15	SW8015MOD_NM	TPH by SW8015 Mod	01.04.2021	01.13.2021	JKR	PHCC10C28 PHCC28C3	
683093-005	S	CS-11	12.30.2020 16:15	SW8021B	BTEX by EPA 8021B	01.04.2021	01.13.2021	JKR	BR4FBZ BZ BZME EBZ	
683093-006	S	CS-12	12.30.2020 16:25	SW8015MOD_NM	TPH by SW8015 Mod	01.04.2021	01.13.2021	JKR	PHCC10C28 PHCC28C3	
683093-006	S	CS-12	12.30.2020 16:25	SW8021B	BTEX by EPA 8021B	01.04.2021	01.13.2021	JKR	BR4FBZ BZ BZME EBZ	
683093-007	S	CS-13	12.30.2020 17:00	SW8021B	BTEX by EPA 8021B	01.04.2021	01.13.2021	JKR	BR4FBZ BZ BZME EBZ	
683093-007	S	CS-13	12.30.2020 17:00	SW8015MOD_NM	TPH by SW8015 Mod	01.04.2021	01.13.2021	JKR	PHCC10C28 PHCC28C3	
683093-008	S	CS-14	12.30.2020 17:05	SW8021B	BTEX by EPA 8021B	01.04.2021	01.13.2021	JKR	BR4FBZ BZ BZME EBZ	
683093-008	S	CS-14	12.30.2020 17:05	SW8015MOD_NM	TPH by SW8015 Mod	01.04.2021	01.13.2021	JKR	PHCC10C28 PHCC28C3	
683093-009	S	CS-15	12.30.2020 17:15	SW8021B	BTEX by EPA 8021B	01.04.2021	01.13.2021	JKR	BR4FBZ BZ BZME EBZ	
683093-009	S	CS-15	12.30.2020 17:15	SW8015MOD_NM	TPH by SW8015 Mod	01.04.2021	01.13.2021	JKR	PHCC10C28 PHCC28C3	
683093-010	S	CS-16	12.30.2020 17:25	SW8021B	BTEX by EPA 8021B	01.04.2021	01.13.2021	JKR	BR4FBZ BZ BZME EBZ	
683093-010	S	CS-16	12.30.2020 17:25	SW8015MOD_NM	TPH by SW8015 Mod	01.04.2021	01.13.2021	JKR	PHCC10C28 PHCC28C3	
683093-011	S	CS-17	12.30.2020 17:30	SW8021B	BTEX by EPA 8021B	01.04.2021	01.13.2021	JKR	BR4FBZ BZ BZME EBZ	
683093-011	S	CS-17	12.30.2020 17:30	SW8015MOD_NM	TPH by SW8015 Mod	01.04.2021	01.13.2021	JKR	PHCC10C28 PHCC28C3	
683093-012	S	CS-18	12.30.2020 17:40	SW8021B	BTEX by EPA 8021B	01.04.2021	01.13.2021	JKR	BR4FBZ BZ BZME EBZ	
683093-012	S	CS-18	12.30.2020 17:40	SW8015MOD_NM	TPH by SW8015 Mod	01.04.2021	01.13.2021	JKR	PHCC10C28 PHCC28C3	
683093-013	S	CS-19	12.30.2020 17:50	SW8015MOD_NM	TPH by SW8015 Mod	01.04.2021	01.13.2021	JKR	PHCC10C28 PHCC28C3	

Inter-Office Shipment

IOS Number : 75752

Date/Time: 12.31.2020
Lab# From: **Midland**
Lab# To: **Carlsbad**

Created by: Jessica Kramer
Delivery Priority:
Air Bill No.:

Please send report to: Jessica Kramer
Address: 1211 W. Florida Ave
E-Mail: jessica.kramer@eurofinset.com

Sample Id	Matrix	Client Sample Id	Sample Collection	Method	Method Name	Lab Due	HT Due	PM	Analytes	Sign
683093-013	S	CS-19	12.30.2020 17:50	SW8021B	BTEX by EPA 8021B	01.04.2021	01.13.2021	JKR	BR4FBZ BZ BZME EBZ	
683093-014	S	CS-20	12.30.2020 17:55	SW8015MOD_NM	TPH by SW8015 Mod	01.04.2021	01.13.2021	JKR	PHCC10C28 PHCC28C3	
683093-014	S	CS-20	12.30.2020 17:55	SW8021B	BTEX by EPA 8021B	01.04.2021	01.13.2021	JKR	BR4FBZ BZ BZME EBZ	
683093-015	S	STP-1	12.30.2020 18:10	SW8015MOD_NM	TPH by SW8015 Mod	01.04.2021	01.13.2021	JKR	PHCC10C28 PHCC28C3	
683093-015	S	STP-1	12.30.2020 18:10	SW8021B	BTEX by EPA 8021B	01.04.2021	01.13.2021	JKR	BR4FBZ BZ BZME EBZ	
683093-016	S	STP-2	12.30.2020 18:15	SW8015MOD_NM	TPH by SW8015 Mod	01.04.2021	01.13.2021	JKR	PHCC10C28 PHCC28C3	
683093-016	S	STP-2	12.30.2020 18:15	SW8021B	BTEX by EPA 8021B	01.04.2021	01.13.2021	JKR	BR4FBZ BZ BZME EBZ	
683093-017	S	STP-3	12.30.2020 18:20	SW8015MOD_NM	TPH by SW8015 Mod	01.04.2021	01.13.2021	JKR	PHCC10C28 PHCC28C3	
683093-017	S	STP-3	12.30.2020 18:20	SW8021B	BTEX by EPA 8021B	01.04.2021	01.13.2021	JKR	BR4FBZ BZ BZME EBZ	
683093-018	S	STP-4	12.30.2020 18:25	SW8021B	BTEX by EPA 8021B	01.04.2021	01.13.2021	JKR	BR4FBZ BZ BZME EBZ	
683093-018	S	STP-4	12.30.2020 18:25	SW8015MOD_NM	TPH by SW8015 Mod	01.04.2021	01.13.2021	JKR	PHCC10C28 PHCC28C3	

Inter Office Shipment or Sample Comments:

Relinquished By: Jessica Kramer
Jessica Kramer

Date Relinquished: 12.31.2020

Received By:

Date Received:

Cooler Temperature:

Eurofins Xenco, LLC

Prelogin/Nonconformance Report- Sample Log-In

Client: Ensolum

Date/ Time Received: 12.31.2020 08.38.00 AM

Work Order #: 683093

Acceptable Temperature Range: 0 - 6 degC
Air and Metal samples Acceptable Range: Ambient

Temperature Measuring device used : IR8

Sample Receipt Checklist	Comments
#1 *Temperature of cooler(s)?	-8
#2 *Shipping container in good condition?	**Yes**
#3 *Samples received on ice?	**Yes**
#4 *Custody Seals intact on shipping container/ cooler?	**Yes**
#5 Custody Seals intact on sample bottles?	**N/A**
#6*Custody Seals Signed and dated?	**N/A**
#7 *Chain of Custody present?	**Yes**
#8 Any missing/extra samples?	**No**
#9 Chain of Custody signed when relinquished/ received?	**Yes**
#10 Chain of Custody agrees with sample labels/matrix?	**Yes**
#11 Container label(s) legible and intact?	**Yes**
#12 Samples in proper container/ bottle?	**Yes**
#13 Samples properly preserved?	**Yes**
#14 Sample container(s) intact?	**Yes**
#15 Sufficient sample amount for indicated test(s)?	**Yes**
#16 All samples received within hold time?	**Yes**
#17 Subcontract of sample(s)?	**N/A**
#18 Water VOC samples have zero headspace?	**N/A**

*** Must be completed for after-hours delivery of samples prior to placing in the refrigerator**

Analyst:

PH Device/Lot#:

Checklist completed by: Brianna Teel Date: 12.31.2020

Brianna Teel

Checklist reviewed by: Jessica Kramer Date: 12.31.2020

Jessica Kramer

eurofins | Environment Testing Xenco

Certificate of Analysis Summary 684276

Ensolum, Dallas, TX

Project Name: Preshooter 6" Leak

Project Id: 03B1226040
Contact: Beaux Jennings
Project Location: Eddy County, NM

Date Received in Lab: Tue 01.12.2021 08:13
Report Date: 01.13.2021 16:12
Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	684276-001		684276-002		684276-003		684276-004					
	Field Id:	CS-11		CS-19		CS-21		STP-5					
	Depth:	5- ft		4- ft		2- ft							
	Matrix:	SOIL		SOIL		SOIL		SOIL					
	Sampled:	01.11.2021 12:05		01.11.2021 14:20		01.11.2021 15:00		01.11.2021 14:40					
BTEX by EPA 8021B	***Extracted:***					01.12.2021 12:00		01.12.2021 12:00					
	Analyzed:					01.12.2021 20:46		01.12.2021 21:06					
	Units/RL:					mg/kg	RL	mg/kg	RL				
Benzene						0.000525 J	0.00202	0.0186	0.00201				
Toluene						0.00324	0.00202	0.318	0.00201				
Ethylbenzene						0.00439	0.00202	0.361	0.00201				
m,p-Xylenes						0.00784	0.00404	0.513	0.00402				
o-Xylene						0.00394	0.00202	0.256	0.00201				
Total Xylenes						0.0118	0.00202	0.769	0.00201				
Total BTEX						0.0199	0.00202	1.47	0.00201				
Chloride by EPA 300	***Extracted:***					01.12.2021 11:55		01.12.2021 11:55					
	Analyzed:					01.12.2021 13:55		01.12.2021 14:11					
	Units/RL:					mg/kg	RL	mg/kg	RL				
Chloride						34.5	5.04	16.3	4.95				
TPH by SW8015 Mod	***Extracted:***	01.12.2021 17:00		01.12.2021 17:00		01.12.2021 17:00		01.12.2021 17:00					
	Analyzed:	01.13.2021 06:19		01.13.2021 06:40		01.13.2021 07:03		01.13.2021 07:25					
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL				
Gasoline Range Hydrocarbons (GRO)		<15.0	50.0	<15.0	49.9	<15.0	49.9	<15.0	50.0				
Diesel Range Organics (DRO)		753	50.0	215	49.9	672	49.9	1660	50.0				
Motor Oil Range Hydrocarbons (MRO)		195	50.0	63.3	49.9	184	49.9	364	50.0				
Total TPH		948	50.0	278	49.9	856	49.9	2020	50.0				

BRL - Below Reporting Limit

Jessica Kramer

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

eurofins | Environment Testing Xenco

Analytical Report 684276

for

Ensolum

Project Manager: Beaux Jennings

Preshooter 6" Leak

03B1226040

01.13.2021

Collected By: Client

1211 W. Florida Ave
Midland TX 79701

Xenco-Houston (EPA Lab Code: TX00122):
Texas (T104704215-20-38), Arizona (AZ0765), Florida (E871002-33), Louisiana (03054)
Oklahoma (2020-014), North Carolina (681), Arkansas (20-035-0)

Xenco-Dallas (EPA Lab Code: TX01468):
Texas (T104704295-20-26), Arizona (AZ0809)

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-20-18)
Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-20-24)
Xenco-Midland (EPA Lab Code: TX00158): Texas (T104704400-20-21)
Xenco-Carlsbad (LELAP): Louisiana (05092)
Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-20-8)
Xenco-Tampa: Florida (E87429), North Carolina (483)

eurofins | Environment Testing Xenco

01.13.2021

Project Manager: **Beaux Jennings**
Ensolum
2351 W Northwest Highway
Suite 1203
Dallas, TX 75220

Reference: Eurofins Xenco, LLC Report No(s): **684276**
Preshooter 6" Leak
Project Address: Eddy County, NM

Beaux Jennings:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the Eurofins Xenco, LLC Report Number(s) 684276. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. The uncertainty of measurement associated with the results of analysis reported is available upon request. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by Eurofins Xenco, LLC. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 684276 will be filed for 45 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting Eurofins Xenco, LLC to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Jessica Kramer

Jessica Kramer
Project Manager

A Small Business and Minority Company

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

eurofins | Environment Testing Xenco

Sample Cross Reference 684276

Ensolum, Dallas, TX

Preshooter 6" Leak

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
CS-11	S	01.11.2021 12:05	5 ft	684276-001
CS-19	S	01.11.2021 14:20	4 ft	684276-002
CS-21	S	01.11.2021 15:00	2 ft	684276-003
STP-5	S	01.11.2021 14:40		684276-004

CASE NARRATIVE

eurofins | Environment Testing Xenco

Client Name: Ensolum

Project Name: Preshooter 6" Leak

Project ID: *03B1226040*
Work Order Number(s): *684276*

Report Date: *01.13.2021*
Date Received: *01.12.2021*

This laboratory is NELAC accredited under the Texas Laboratory Accreditation Program for all the methods, analytes, and matrices reported in this data package except as noted. The data have been reviewed and are technically compliant with the requirements of the methods used, except where noted by the laboratory.

Sample receipt non conformances and comments:

Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments:

Batch: LBA-3147515 BTEX by EPA 8021B

Surrogate 4-Bromofluorobenzene recovered above QC limits. Matrix interferences is suspected. Samples affected are: 684276-004.

Batch: LBA-3147672 TPH by SW8015 Mod

Surrogate o-Terphenyl recovered above QC limits Data confirmed by re-analysis. Samples affected are: 7719052-1-BKS,7719052-1-BLK,7719052-1-BSD,684276-003,684276-002,684276-004,684276-001.

eurofins | Environment Testing Xenco

Certificate of Analytical Results 684276

Ensolum, Dallas, TX

Preshooter 6" Leak

Sample Id:	**CS-11**	Matrix:	Soil	Date Received:	01.12.2021 08:13
Lab Sample Id:	684276-001	Date Collected:	01.11.2021 12:05	Sample Depth:	5 ft
Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	01.12.2021 17:00	% Moisture:	
Seq Number:	3147672			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	50.0	15.0	mg/kg	01.13.2021 06:19	U	1
Diesel Range Organics (DRO)	C10C28DRO	**753**	50.0	15.0	mg/kg	01.13.2021 06:19		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	**195**	50.0	15.0	mg/kg	01.13.2021 06:19		1
Total TPH	PHC635	**948**	50.0	15.0	mg/kg	01.13.2021 06:19		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	111	%	70-130	01.13.2021 06:19	
o-Terphenyl	84-15-1	134	%	70-130	01.13.2021 06:19	**

eurofins | Environment Testing Xenco

Certificate of Analytical Results 684276

Ensolum, Dallas, TX

Preshooter 6" Leak

Sample Id:	**CS-19**	Matrix:	Soil	Date Received:	01.12.2021 08:13
Lab Sample Id:	684276-002	Date Collected:	01.11.2021 14:20	Sample Depth:	4 ft
Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	01.12.2021 17:00	% Moisture:	
Seq Number:	3147672			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	49.9	15.0	mg/kg	01.13.2021 06:40	U	1
Diesel Range Organics (DRO)	C10C28DRO	**215**	49.9	15.0	mg/kg	01.13.2021 06:40		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	**63.3**	49.9	15.0	mg/kg	01.13.2021 06:40		1
Total TPH	PHC635	**278**	49.9	15.0	mg/kg	01.13.2021 06:40		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	111	%	70-130	01.13.2021 06:40	
o-Terphenyl	84-15-1	135	%	70-130	01.13.2021 06:40	**

eurofins | Environment Testing Xenco

Certificate of Analytical Results 684276

Ensolum, Dallas, TX

Preshooter 6" Leak

Sample Id:	**CS-21**	Matrix:	Soil	Date Received:	01.12.2021 08:13
Lab Sample Id:	684276-003	Date Collected:	01.11.2021 15:00	Sample Depth:	2 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	01.12.2021 11:55	% Moisture:	
Seq Number:	3147626			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**34.5**	5.04	0.865	mg/kg	01.12.2021 13:55		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	01.12.2021 17:00	% Moisture:	
Seq Number:	3147672			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	49.9	15.0	mg/kg	01.13.2021 07:03	U	1
Diesel Range Organics (DRO)	C10C28DRO	**672**	49.9	15.0	mg/kg	01.13.2021 07:03		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	**184**	49.9	15.0	mg/kg	01.13.2021 07:03		1
Total TPH	PHC635	**856**	49.9	15.0	mg/kg	01.13.2021 07:03		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	109	%	70-130	01.13.2021 07:03	
o-Terphenyl	84-15-1	131	%	70-130	01.13.2021 07:03	**

eurofins | Environment Testing Xenco

Certificate of Analytical Results 684276

Ensolum, Dallas, TX

Preshooter 6" Leak

Sample Id:	**CS-21**	Matrix:	Soil	Date Received:	01.12.2021 08:13
Lab Sample Id:	684276-003	Date Collected:	01.11.2021 15:00	Sample Depth:	2 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	01.12.2021 12:00	% Moisture:	
Seq Number:	3147515			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	**0.000525**	0.00202	0.000389	mg/kg	01.12.2021 20:46	J	1
Toluene	108-88-3	**0.00324**	0.00202	0.000460	mg/kg	01.12.2021 20:46		1
Ethylbenzene	100-41-4	**0.00439**	0.00202	0.000570	mg/kg	01.12.2021 20:46		1
m,p-Xylenes	179601-23-1	**0.00784**	0.00404	0.00102	mg/kg	01.12.2021 20:46		1
o-Xylene	95-47-6	**0.00394**	0.00202	0.000348	mg/kg	01.12.2021 20:46		1
Total Xylenes	1330-20-7	**0.0118**	0.00202	0.000348	mg/kg	01.12.2021 20:46		1
Total BTEX		**0.0199**	0.00202	0.000348	mg/kg	01.12.2021 20:46		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	93	%	70-130	01.12.2021 20:46	
4-Bromofluorobenzene	460-00-4	100	%	70-130	01.12.2021 20:46	

eurofins | Environment Testing Xenco

Certificate of Analytical Results 684276

Ensolum, Dallas, TX

Preshooter 6" Leak

Sample Id: **STP-5** Matrix: Soil Date Received:01.12.2021 08:13

Lab Sample Id: 684276-004 Date Collected: 01.11.2021 14:40

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Tech: CHE

Analyst: CHE Date Prep: 01.12.2021 11:55 % Moisture:

Seq Number: 3147626 Basis: Wet Weight

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**16.3**	4.95	0.850	mg/kg	01.12.2021 14:11		1

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P

Tech: DVM

Analyst: ARM Date Prep: 01.12.2021 17:00 % Moisture:

Seq Number: 3147672 Basis: Wet Weight

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	50.0	15.0	mg/kg	01.13.2021 07:25	U	1
Diesel Range Organics (DRO)	C10C28DRO	**1660**	50.0	15.0	mg/kg	01.13.2021 07:25		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	**364**	50.0	15.0	mg/kg	01.13.2021 07:25		1
Total TPH	PHC635	**2020**	50.0	15.0	mg/kg	01.13.2021 07:25		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	123	%	70-130	01.13.2021 07:25	
o-Terphenyl	84-15-1	146	%	70-130	01.13.2021 07:25	**

eurofins | Environment Testing Xenco

Certificate of Analytical Results 684276

Ensolum, Dallas, TX

Preshooter 6" Leak

Sample Id:	**STP-5**	Matrix:	Soil	Date Received:	01.12.2021 08:13
Lab Sample Id:	684276-004	Date Collected:	01.11.2021 14:40		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	01.12.2021 12:00	% Moisture:	
Seq Number:	3147515			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	**0.0186**	0.00201	0.000387	mg/kg	01.12.2021 21:06		1
Toluene	108-88-3	**0.318**	0.00201	0.000458	mg/kg	01.12.2021 21:06		1
Ethylbenzene	100-41-4	**0.361**	0.00201	0.000568	mg/kg	01.12.2021 21:06		1
m,p-Xylenes	179601-23-1	**0.513**	0.00402	0.00102	mg/kg	01.12.2021 21:06		1
o-Xylene	95-47-6	**0.256**	0.00201	0.000346	mg/kg	01.12.2021 21:06		1
Total Xylenes	1330-20-7	**0.769**	0.00201	0.000346	mg/kg	01.12.2021 21:06		1
Total BTEX		**1.47**	0.00201	0.000346	mg/kg	01.12.2021 21:06		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	248	%	70-130	01.12.2021 21:06	**
1,4-Difluorobenzene	540-36-3	106	%	70-130	01.12.2021 21:06	

eurofins | Environment Testing Xenco

Flagging Criteria

X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.

B A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.

D The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.

E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.

F RPD exceeded lab control limits.

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

U Analyte was not detected.

L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.

H The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.

K Sample analyzed outside of recommended hold time.

JN A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

** Surrogate recovered outside laboratory control limit.

BRL Below Reporting Limit. **ND** Not Detected.

RL Reporting Limit

MDL Method Detection Limit **SDL** Sample Detection Limit **LOD** Limit of Detection

PQL Practical Quantitation Limit **MQL** Method Quantitation Limit **LOQ** Limit of Quantitation

DL Method Detection Limit

NC Non-Calculable

SMP Client Sample **BLK** Method Blank

BKS/LCS Blank Spike/Laboratory Control Sample **BKSD/LCSD** Blank Spike Duplicate/Laboratory Control Sample Duplicate

MD/SD Method Duplicate/Sample Duplicate **MS** Matrix Spike **MSD:** Matrix Spike Duplicate

+ NELAC certification not offered for this compound.

* (Next to analyte name or method description) = Outside XENCO's scope of NELAC accreditation

eurofins | Environment Testing Xenco

QC Summary 684276

Ensolum

Preshooter 6" Leak

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3147626 — Matrix: Solid — Date Prep: 01.12.2021
MB Sample Id: 7718967-1-BLK — LCS Sample Id: 7718967-1-BKS — LCSD Sample Id: 7718967-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<0.858	250	242	97	244	98	90-110	1	20	mg/kg	01.12.2021 13:44	

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3147626 — Matrix: Soil — Date Prep: 01.12.2021
Parent Sample Id: 684276-003 — MS Sample Id: 684276-003 S — MSD Sample Id: 684276-003 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	34.5	252	294	103	292	102	90-110	1	20	mg/kg	01.12.2021 14:00	

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3147626 — Matrix: Soil — Date Prep: 01.12.2021
Parent Sample Id: 684278-009 — MS Sample Id: 684278-009 S — MSD Sample Id: 684278-009 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	536	248	764	92	766	93	90-110	0	20	mg/kg	01.12.2021 16:41	

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3147672 — Matrix: Solid — Date Prep: 01.12.2021
MB Sample Id: 7719052-1-BLK — LCS Sample Id: 7719052-1-BKS — LCSD Sample Id: 7719052-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<15.0	1000	1130	113	1110	111	70-130	2	20	mg/kg	01.12.2021 23:02	
Diesel Range Organics (DRO)	<15.0	1000	1150	115	1180	118	70-130	3	20	mg/kg	01.12.2021 23:02	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	129		130		124		70-130	%	01.12.2021 23:02
o-Terphenyl	153	**	145	**	135	**	70-130	%	01.12.2021 23:02

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3147672 — Matrix: Solid — Date Prep: 01.12.2021
MB Sample Id: 7719052-1-BLK

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<15.0	mg/kg	01.12.2021 22:40	

MS/MSD Percent Recovery [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200* | (C-E) / (C+E) |
LCS/LCSD Recovery [D] = 100 * (C) / [B]
Log Difference Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec

eurofins | Environment Testing Xenco

QC Summary 684276

Ensolum

Preshooter 6" Leak

Analytical Method: **TPH by SW8015 Mod** Prep Method: SW8015P
Seq Number: 3147672 Matrix: Soil Date Prep: 01.12.2021
Parent Sample Id: 684279-001 MS Sample Id: 684279-001 S MSD Sample Id: 684279-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<14.9	996	1210	121	1130	113	70-130	7	20	mg/kg	01.13.2021 00:08	
Diesel Range Organics (DRO)	<14.9	996	1220	122	1200	120	70-130	2	20	mg/kg	01.13.2021 00:08	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	129		127		70-130	%	01.13.2021 00:08
o-Terphenyl	127		126		70-130	%	01.13.2021 00:08

Analytical Method: **BTEX by EPA 8021B** Prep Method: SW5035A
Seq Number: 3147515 Matrix: Solid Date Prep: 01.12.2021
MB Sample Id: 7718974-1-BLK LCS Sample Id: 7718974-1-BKS LCSD Sample Id: 7718974-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.000385	0.100	0.0758	76	0.0788	79	70-130	4	35	mg/kg	01.12.2021 11:13	
Toluene	<0.000456	0.100	0.0787	79	0.0811	81	70-130	3	35	mg/kg	01.12.2021 11:13	
Ethylbenzene	<0.000565	0.100	0.0845	85	0.0870	87	70-130	3	35	mg/kg	01.12.2021 11:13	
m,p-Xylenes	<0.00101	0.200	0.170	85	0.175	88	70-130	3	35	mg/kg	01.12.2021 11:13	
o-Xylene	<0.000344	0.100	0.0868	87	0.0894	89	70-130	3	35	mg/kg	01.12.2021 11:13	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	93		95		96		70-130	%	01.12.2021 11:13
4-Bromofluorobenzene	104		98		96		70-130	%	01.12.2021 11:13

Analytical Method: **BTEX by EPA 8021B** Prep Method: SW5035A
Seq Number: 3147515 Matrix: Soil Date Prep: 01.12.2021
Parent Sample Id: 684278-001 MS Sample Id: 684278-001 S MSD Sample Id: 684278-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.000385	0.100	0.0707	71	0.0696	70	70-130	2	35	mg/kg	01.12.2021 11:54	
Toluene	<0.000456	0.100	0.0730	73	0.0709	71	70-130	3	35	mg/kg	01.12.2021 11:54	
Ethylbenzene	<0.000565	0.100	0.0784	78	0.0754	76	70-130	4	35	mg/kg	01.12.2021 11:54	
m,p-Xylenes	<0.00101	0.200	0.158	79	0.151	76	70-130	5	35	mg/kg	01.12.2021 11:54	
o-Xylene	<0.000344	0.100	0.0808	81	0.0777	78	70-130	4	35	mg/kg	01.12.2021 11:54	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	96		96		70-130	%	01.12.2021 11:54
4-Bromofluorobenzene	102		100		70-130	%	01.12.2021 11:54

MS/MSD Percent Recovery [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200* | (C-E) / (C+E) |
LCS/LCSD Recovery [D] = 100 * (C) / [B]
Log Difference Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec

XENCO LABORATORIES

Chain of Custody

Work Order No: 684276

Houston,TX (281) 240-4200 Dallas,TX (214) 902-0300 San Antonio,TX (210) 509-3334
Midland,TX (432) 704-5440 EL Paso,TX (915) 585-3443 Lubbock,TX (806) 794-1296 Crasbad, NM (432) 704-5440
Phoenix,AZ (480) 355-0900 Atlanta,GA (770) 449-8800 Tampa,FL (813) 620-2000 West Palm Beach, FL (561) 689-6701 www.xenco.com Page 1 of 1

Project Manager:	Beaux Jennings	Bill to: (if different)	
Company Name:	Ensolum LLC	Company Name:	
Address:	705 W. Wadley Ave	Address:	
City, State ZIP:	Midland, Tx 79705	City, State ZIP:	
Phone:	(210) 219-8858	Email:	Bjennings@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:	Peashooter 6" Leak	Turn Around	
Project Number:	03B1226040	Routine ☐	
Project Location	Eddy County, NM	Rush: 24 hr	
Sampler's Name:	Kelly Lowery	Due Date:	
PO #:	03B1226040	Quote #:	

SAMPLE RECEIPT				
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No	
Temperature (°C):	1.3 1.8	Thermometer ID	IR8	
Received Intact:	(Yes) No			
Cooler Custody Seals:	(Yes) No N/A	Correction Factor:	+0.5	
Sample Custody Seals:	(Yes) No N/A	Total Containers:		

Lab ID	Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers	Pres. Code	BTEX 8021B	TPH 8015M	Chlorides 300.0
	CS-11	S	01/11/21	1205	5'	1			X	
	CS-19	S	01/11/21	1420	4'	1			X	
	CS-21	S	01/11/21	1500	2'	1		X	X	X
	STP-5	S	01/11/21	1440	-	1		X	X	X

NFC 01/11/2021

ANALYSIS REQUEST

Preservative Codes

MeOH: Me
None: NO
HNO3: HN
H2S04: H2
HCL: HL
NaOH: Na
Zn Acetate+ NaOH: Zn

TAT starts the day recevied by the lab, if received by 4:00pm

Sample Comments

24hr

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Sr Tl Sn U V Zn

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 1631 / 245.1 / 7470 / 7471 : Hg

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. 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 Xenco. A minimum charge of $75.00 will be applied to each project and a charge of $5 for each sample submitted to 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	Kelly		1/12/21	2		
3				4		
5			0813	6		

Revised Date 022619 Rev. 2019.1

CUSTODY SEAL

Date 1/12/2021

Signature

Thermo SCIENTIFIC

90006

Eurofins Xenco, LLC

Prelogin/Nonconformance Report- Sample Log-In

Client: Ensolum

Date/ Time Received: 01.12.2021 08.13.00 AM

Work Order #: 684276

Acceptable Temperature Range: 0 - 6 degC
Air and Metal samples Acceptable Range: Ambient

Temperature Measuring device used : IR8

Sample Receipt Checklist	Comments
#1 *Temperature of cooler(s)?	1.8
#2 *Shipping container in good condition?	**Yes**
#3 *Samples received on ice?	**Yes**
#4 *Custody Seals intact on shipping container/ cooler?	**Yes**
#5 Custody Seals intact on sample bottles?	**N/A**
#6*Custody Seals Signed and dated?	**Yes**
#7 *Chain of Custody present?	**Yes**
#8 Any missing/extra samples?	**No**
#9 Chain of Custody signed when relinquished/ received?	**Yes**
#10 Chain of Custody agrees with sample labels/matrix?	**Yes**
#11 Container label(s) legible and intact?	**Yes**
#12 Samples in proper container/ bottle?	**Yes**
#13 Samples properly preserved?	**Yes**
#14 Sample container(s) intact?	**Yes**
#15 Sufficient sample amount for indicated test(s)?	**Yes**
#16 All samples received within hold time?	**Yes**
#17 Subcontract of sample(s)?	**N/A**
#18 Water VOC samples have zero headspace?	**N/A**

*** Must be completed for after-hours delivery of samples prior to placing in the refrigerator**

Analyst: PH Device/Lot#:

Checklist completed by: Brianna Teel Date: 01.12.2021
Brianna Teel

Checklist reviewed by: Jessica Kramer Date: 01.12.2021
Jessica Kramer

eurofins | Environment Testing Xenco

Certificate of Analysis Summary 685444

Ensolum, LLC, Houston, TX

Project Name: Peashooter 6" Leak

Project Id: 03B1226040
Contact: Beaux Jennings
Project Location: Eddy County, New Mexico

Date Received in Lab: Wed 01.20.2021 14:47
Report Date: 01.21.2021 13:15
Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	685444-001		685444-002		685444-003		685444-004					
	Field Id:	CS-19		CS-21		CS-22		CS-23					
	Depth:	5- ft		5- ft		0-5 ft		0-5 ft					
	Matrix:	SOIL		SOIL		SOIL		SOIL					
	Sampled:	01.20.2021 14:35		01.20.2021 11:15		01.20.2021 11:20		01.20.2021 11:25					
BTEX by EPA 8021B	***Extracted:***	01.20.2021 17:00		01.20.2021 17:00		01.20.2021 17:00		01.20.2021 17:00					
	Analyzed:	01.20.2021 21:17		01.20.2021 21:39		01.20.2021 22:02		01.20.2021 22:24					
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL				
Benzene		<0.000486	0.00200	<0.000489	0.00202	<0.000490	0.00202	<0.000485	0.00200				
Toluene		<0.000529	0.00200	<0.000532	0.00202	<0.000533	0.00202	<0.000527	0.00200				
Ethylbenzene		<0.000407	0.00200	<0.000409	0.00202	<0.000410	0.00202	<0.000405	0.00200				
m,p-Xylenes		<0.000755	0.00401	<0.000760	0.00403	<0.000761	0.00404	<0.000752	0.00399				
o-Xylene		<0.000404	0.00200	<0.000406	0.00202	<0.000407	0.00202	<0.000402	0.00200				
Total Xylenes		<0.000404	0.00200	<0.000406	0.00202	<0.000407	0.00202	<0.000402	0.00200				
Total BTEX		<0.000404	0.00200	<0.000406	0.00202	<0.000407	0.00202	<0.000402	0.00200				
Chloride by EPA 300	***Extracted:***	01.20.2021 19:30		01.20.2021 19:30		01.20.2021 19:30		01.20.2021 19:30					
	Analyzed:	01.21.2021 09:41		01.21.2021 09:47		01.21.2021 09:53		01.21.2021 09:58					
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL				
Chloride		9.78 J	9.98	10.4	10.0	8.90 J	10.0	8.86 J	9.94				
TPH by SW8015 Mod	***Extracted:***	01.20.2021 17:00		01.20.2021 17:00		01.20.2021 17:00		01.20.2021 17:00					
	Analyzed:	01.20.2021 21:22		01.20.2021 21:42		01.20.2021 22:02		01.20.2021 22:23					
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL				
Gasoline Range Hydrocarbons (GRO)		<13.9	50.2	<13.9	50.2	<13.8	49.8	<13.8	49.9				
Diesel Range Organics (DRO)		<11.5	50.2	<11.5	50.2	<11.4	49.8	<11.4	49.9				
Motor Oil Range Hydrocarbons (MRO)		<11.5	50.2	<11.5	50.2	<11.4	49.8	<11.4	49.9				
Total TPH		<11.5	50.2	<11.5	50.2	<11.4	49.8	<11.4	49.9				

BRL - Below Reporting Limit

Jessica Kramer

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

eurofins | Environment Testing Xenco

Analytical Report 685444

for

Ensolum, LLC

Project Manager: Beaux Jennings

Peashooter 6" Leak

03B1226040

01.21.2021

Collected By: Client

1089 N Canal Street
Carlsbad, NM 88220

Xenco-Houston (EPA Lab Code: TX00122):
Texas (T104704215-20-38), Arizona (AZ0765), Florida (E871002-33), Louisiana (03054)
Oklahoma (2020-014), North Carolina (681), Arkansas (20-035-0)

Xenco-Dallas (EPA Lab Code: TX01468):
Texas (T104704295-20-26), Arizona (AZ0809)

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-20-18)
Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-20-24)
Xenco-Midland (EPA Lab Code: TX00158): Texas (T104704400-20-21)
Xenco-Carlsbad (LELAP): Louisiana (05092)
Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-20-8)
Xenco-Tampa: Florida (E87429), North Carolina (483)

eurofins | Environment Testing Xenco

01.21.2021

Project Manager: **Beaux Jennings**
Ensolum, LLC
10333 Harwin Drive, Suite 470
Houston, TX 77036

Reference: Eurofins Xenco, LLC Report No(s): **685444**
Peashooter 6" Leak
Project Address: Eddy County, New Mexico

Beaux Jennings:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the Eurofins Xenco, LLC Report Number(s) 685444. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. The uncertainty of measurement associated with the results of analysis reported is available upon request. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by Eurofins Xenco, LLC. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 685444 will be filed for 45 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting Eurofins Xenco, LLC to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Jessica Kramer

Jessica Kramer
Project Manager

A Small Business and Minority Company

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

eurofins | Environment Testing Xenco

Sample Cross Reference 685444

Ensolum, LLC, Houston, TX

Peashooter 6" Leak

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
CS-19	S	01.20.2021 14:35	5 ft	685444-001
CS-21	S	01.20.2021 11:15	5 ft	685444-002
CS-22	S	01.20.2021 11:20	0 - 5 ft	685444-003
CS-23	S	01.20.2021 11:25	0 - 5 ft	685444-004

eurofins | Environment Testing Xenco

CASE NARRATIVE

Client Name: Ensolum, LLC

Project Name: Peashooter 6" Leak

Project ID: *03B1226040*
Work Order Number(s): *685444*

Report Date: *01.21.2021*
Date Received: *01.20.2021*

This laboratory is NELAC accredited under the Texas Laboratory Accreditation Program for all the methods, analytes, and matrices reported in this data package except as noted. The data have been reviewed and are technically compliant with the requirements of the methods used, except where noted by the laboratory.

Sample receipt non conformances and comments:

Sample receipt non conformances and comments per sample:

None

eurofins | Environment Testing Xenco

Certificate of Analytical Results 685444

Ensolum, LLC, Houston, TX

Peashooter 6" Leak

Sample Id:	**CS-19**	Matrix:	Soil	Date Received:	01.20.2021 14:47
Lab Sample Id:	685444-001	Date Collected:	01.20.2021 14:35	Sample Depth:	5 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.20.2021 19:30	% Moisture:	
Seq Number:	3148456			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**9.78**	9.98	0.353	mg/kg	01.21.2021 09:41	J	1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	CAC				
Analyst:	CAC	Date Prep:	01.20.2021 17:00	% Moisture:	
Seq Number:	3148431			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<13.9	50.2	13.9	mg/kg	01.20.2021 21:22	U	1
Diesel Range Organics (DRO)	C10C28DRO	<11.5	50.2	11.5	mg/kg	01.20.2021 21:22	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<11.5	50.2	11.5	mg/kg	01.20.2021 21:22	U	1
Total TPH	PHC635	<11.5	50.2	11.5	mg/kg	01.20.2021 21:22	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	93	%	70-135	01.20.2021 21:22	
o-Terphenyl	84-15-1	93	%	70-135	01.20.2021 21:22	

eurofins | Environment Testing Xenco

Certificate of Analytical Results 685444

Ensolum, LLC, Houston, TX

Peashooter 6" Leak

Sample Id:	**CS-19**	Matrix:	Soil	Date Received:	01.20.2021 14:47
Lab Sample Id:	685444-001	Date Collected:	01.20.2021 14:35	Sample Depth:	5 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.20.2021 17:00	% Moisture:	
Seq Number:	3148433			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.000486	0.00200	0.000486	mg/kg	01.20.2021 21:17	U	1
Toluene	108-88-3	<0.000529	0.00200	0.000529	mg/kg	01.20.2021 21:17	U	1
Ethylbenzene	100-41-4	<0.000407	0.00200	0.000407	mg/kg	01.20.2021 21:17	U	1
m,p-Xylenes	179601-23-1	<0.000755	0.00401	0.000755	mg/kg	01.20.2021 21:17	U	1
o-Xylene	95-47-6	<0.000404	0.00200	0.000404	mg/kg	01.20.2021 21:17	U	1
Total Xylenes	1330-20-7	<0.000404	0.00200	0.000404	mg/kg	01.20.2021 21:17	U	1
Total BTEX		<0.000404	0.00200	0.000404	mg/kg	01.20.2021 21:17	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	100	%	70-130	01.20.2021 21:17	
4-Bromofluorobenzene	460-00-4	91	%	70-130	01.20.2021 21:17	

eurofins | Environment Testing Xenco

Certificate of Analytical Results 685444

Ensolum, LLC, Houston, TX

Peashooter 6" Leak

Sample Id:	**CS-21**	Matrix:	Soil	Date Received:	01.20.2021 14:47
Lab Sample Id:	685444-002	Date Collected:	01.20.2021 11:15	Sample Depth:	5 ft

Analytical Method: Chloride by EPA 300 — Prep Method: E300P

Tech: MAB

Analyst: MAB — Date Prep: 01.20.2021 19:30 — % Moisture: Basis: Wet Weight

Seq Number: 3148456

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**10.4**	10.0	0.355	mg/kg	01.21.2021 09:47		1

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P

Tech: CAC

Analyst: CAC — Date Prep: 01.20.2021 17:00 — % Moisture: Basis: Wet Weight

Seq Number: 3148431

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<13.9	50.2	13.9	mg/kg	01.20.2021 21:42	U	1
Diesel Range Organics (DRO)	C10C28DRO	<11.5	50.2	11.5	mg/kg	01.20.2021 21:42	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<11.5	50.2	11.5	mg/kg	01.20.2021 21:42	U	1
Total TPH	PHC635	<11.5	50.2	11.5	mg/kg	01.20.2021 21:42	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	92	%	70-135	01.20.2021 21:42	
o-Terphenyl	84-15-1	103	%	70-135	01.20.2021 21:42	

eurofins | Environment Testing Xenco

Certificate of Analytical Results 685444

Ensolum, LLC, Houston, TX

Peashooter 6" Leak

Sample Id:	**CS-21**	Matrix:	Soil	Date Received:	01.20.2021 14:47
Lab Sample Id:	685444-002	Date Collected:	01.20.2021 11:15	Sample Depth:	5 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.20.2021 17:00	% Moisture:	
Seq Number:	3148433			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.000489	0.00202	0.000489	mg/kg	01.20.2021 21:39	U	1
Toluene	108-88-3	<0.000532	0.00202	0.000532	mg/kg	01.20.2021 21:39	U	1
Ethylbenzene	100-41-4	<0.000409	0.00202	0.000409	mg/kg	01.20.2021 21:39	U	1
m,p-Xylenes	179601-23-1	<0.000760	0.00403	0.000760	mg/kg	01.20.2021 21:39	U	1
o-Xylene	95-47-6	<0.000406	0.00202	0.000406	mg/kg	01.20.2021 21:39	U	1
Total Xylenes	1330-20-7	<0.000406	0.00202	0.000406	mg/kg	01.20.2021 21:39	U	1
Total BTEX		<0.000406	0.00202	0.000406	mg/kg	01.20.2021 21:39	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	94	%	70-130	01.20.2021 21:39	
1,4-Difluorobenzene	540-36-3	100	%	70-130	01.20.2021 21:39	

eurofins | Environment Testing Xenco

Certificate of Analytical Results 685444

Ensolum, LLC, Houston, TX

Peashooter 6" Leak

Sample Id:	**CS-22**	Matrix:	Soil	Date Received:	01.20.2021 14:47
Lab Sample Id:	685444-003	Date Collected:	01.20.2021 11:20	Sample Depth:	0 - 5 ft

Analytical Method: Chloride by EPA 300 — Prep Method: E300P

Tech: MAB

Analyst: MAB — Date Prep: 01.20.2021 19:30 — % Moisture: Basis: Wet Weight

Seq Number: 3148456

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**8.90**	10.0	0.355	mg/kg	01.21.2021 09:53	J	1

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P

Tech: CAC

Analyst: CAC — Date Prep: 01.20.2021 17:00 — % Moisture: Basis: Wet Weight

Seq Number: 3148431

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<13.8	49.8	13.8	mg/kg	01.20.2021 22:02	U	1
Diesel Range Organics (DRO)	C10C28DRO	<11.4	49.8	11.4	mg/kg	01.20.2021 22:02	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<11.4	49.8	11.4	mg/kg	01.20.2021 22:02	U	1
Total TPH	PHC635	<11.4	49.8	11.4	mg/kg	01.20.2021 22:02	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	105	%	70-135	01.20.2021 22:02	
o-Terphenyl	84-15-1	113	%	70-135	01.20.2021 22:02	

eurofins | Environment Testing Xenco

Certificate of Analytical Results 685444

Ensolum, LLC, Houston, TX

Peashooter 6" Leak

Sample Id:	**CS-22**	Matrix:	Soil	Date Received:	01.20.2021 14:47
Lab Sample Id:	685444-003	Date Collected:	01.20.2021 11:20	Sample Depth:	0 - 5 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.20.2021 17:00	% Moisture:	
Seq Number:	3148433			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.000490	0.00202	0.000490	mg/kg	01.20.2021 22:02	U	1
Toluene	108-88-3	<0.000533	0.00202	0.000533	mg/kg	01.20.2021 22:02	U	1
Ethylbenzene	100-41-4	<0.000410	0.00202	0.000410	mg/kg	01.20.2021 22:02	U	1
m,p-Xylenes	179601-23-1	<0.000761	0.00404	0.000761	mg/kg	01.20.2021 22:02	U	1
o-Xylene	95-47-6	<0.000407	0.00202	0.000407	mg/kg	01.20.2021 22:02	U	1
Total Xylenes	1330-20-7	<0.000407	0.00202	0.000407	mg/kg	01.20.2021 22:02	U	1
Total BTEX		<0.000407	0.00202	0.000407	mg/kg	01.20.2021 22:02	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	88	%	70-130	01.20.2021 22:02	
4-Bromofluorobenzene	460-00-4	86	%	70-130	01.20.2021 22:02	

eurofins | Environment Testing Xenco

Certificate of Analytical Results 685444

Ensolum, LLC, Houston, TX

Peashooter 6" Leak

Sample Id:	**CS-23**	Matrix:	Soil	Date Received:	01.20.2021 14:47
Lab Sample Id:	685444-004	Date Collected:	01.20.2021 11:25	Sample Depth:	0 - 5 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.20.2021 19:30	% Moisture:	
Seq Number:	3148456			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**8.86**	9.94	0.352	mg/kg	01.21.2021 09:58	J	1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	CAC				
Analyst:	CAC	Date Prep:	01.20.2021 17:00	% Moisture:	
Seq Number:	3148431			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<13.8	49.9	13.8	mg/kg	01.20.2021 22:23	U	1
Diesel Range Organics (DRO)	C10C28DRO	<11.4	49.9	11.4	mg/kg	01.20.2021 22:23	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<11.4	49.9	11.4	mg/kg	01.20.2021 22:23	U	1
Total TPH	PHC635	<11.4	49.9	11.4	mg/kg	01.20.2021 22:23	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	101	%	70-135	01.20.2021 22:23	
o-Terphenyl	84-15-1	115	%	70-135	01.20.2021 22:23	

eurofins | Environment Testing Xenco

Certificate of Analytical Results 685444

Ensolum, LLC, Houston, TX

Peashooter 6" Leak

Sample Id:	**CS-23**	Matrix:	Soil	Date Received:	01.20.2021 14:47
Lab Sample Id:	685444-004	Date Collected:	01.20.2021 11:25	Sample Depth:	0 - 5 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.20.2021 17:00	% Moisture:	
Seq Number:	3148433			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.000485	0.00200	0.000485	mg/kg	01.20.2021 22:24	U	1
Toluene	108-88-3	<0.000527	0.00200	0.000527	mg/kg	01.20.2021 22:24	U	1
Ethylbenzene	100-41-4	<0.000405	0.00200	0.000405	mg/kg	01.20.2021 22:24	U	1
m,p-Xylenes	179601-23-1	<0.000752	0.00399	0.000752	mg/kg	01.20.2021 22:24	U	1
o-Xylene	95-47-6	<0.000402	0.00200	0.000402	mg/kg	01.20.2021 22:24	U	1
Total Xylenes	1330-20-7	<0.000402	0.00200	0.000402	mg/kg	01.20.2021 22:24	U	1
Total BTEX		<0.000402	0.00200	0.000402	mg/kg	01.20.2021 22:24	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	93	%	70-130	01.20.2021 22:24	
1,4-Difluorobenzene	540-36-3	99	%	70-130	01.20.2021 22:24	

eurofins | Environment Testing Xenco

Flagging Criteria

X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.

B A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.

D The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.

E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.

F RPD exceeded lab control limits.

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

U Analyte was not detected.

L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.

H The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.

K Sample analyzed outside of recommended hold time.

JN A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

** Surrogate recovered outside laboratory control limit.

BRL Below Reporting Limit. **ND** Not Detected.

RL Reporting Limit

MDL Method Detection Limit **SDL** Sample Detection Limit **LOD** Limit of Detection

PQL Practical Quantitation Limit **MQL** Method Quantitation Limit **LOQ** Limit of Quantitation

DL Method Detection Limit

NC Non-Calculable

SMP Client Sample **BLK** Method Blank

BKS/LCS Blank Spike/Laboratory Control Sample **BKSD/LCSD** Blank Spike Duplicate/Laboratory Control Sample Duplicate

MD/SD Method Duplicate/Sample Duplicate **MS** Matrix Spike **MSD:** Matrix Spike Duplicate

+ NELAC certification not offered for this compound.

* (Next to analyte name or method description) = Outside XENCO's scope of NELAC accreditation

QC Summary 685444

eurofins | Environment Testing Xenco

Ensolum, LLC

Peashooter 6" Leak

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3148456 — Matrix: Solid — Date Prep: 01.20.2021
MB Sample Id: 7719633-1-BLK — LCS Sample Id: 7719633-1-BKS — LCSD Sample Id: 7719633-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<0.354	200	211	106	207	104	90-110	2	20	mg/kg	01.21.2021 09:13	

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3148456 — Matrix: Soil — Date Prep: 01.20.2021
Parent Sample Id: 685440-001 — MS Sample Id: 685440-001 S — MSD Sample Id: 685440-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	775	199	981	104	984	105	90-110	0	20	mg/kg	01.21.2021 09:30	

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3148431 — Matrix: Solid — Date Prep: 01.20.2021
MB Sample Id: 7719640-1-BLK — LCS Sample Id: 7719640-1-BKS — LCSD Sample Id: 7719640-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<13.9	1000	926	93	962	96	70-135	4	35	mg/kg	01.20.2021 19:41	
Diesel Range Organics (DRO)	<11.5	1000	989	99	990	99	70-135	0	35	mg/kg	01.20.2021 19:41	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	89		90		133		70-135	%	01.20.2021 19:41
o-Terphenyl	104		97		118		70-135	%	01.20.2021 19:41

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3148431 — Matrix: Solid — Date Prep: 01.20.2021
MB Sample Id: 7719640-1-BLK

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<11.5	mg/kg	01.20.2021 19:21	

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3148431 — Matrix: Soil — Date Prep: 01.20.2021
Parent Sample Id: 685440-001 — MS Sample Id: 685440-001 S — MSD Sample Id: 685440-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<14.0	1010	916	91	973	97	70-135	6	35	mg/kg	01.20.2021 20:42	
Diesel Range Organics (DRO)	<11.5	1010	890	88	872	87	70-135	2	35	mg/kg	01.20.2021 20:42	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	95		101		70-135	%	01.20.2021 20:42
o-Terphenyl	105		112		70-135	%	01.20.2021 20:42

MS/MSD Percent Recovery [D] = 100*(C-A) / B — LCS = Laboratory Control Sample — MS = Matrix Spike
Relative Percent Difference RPD = 200* | (C-E) / (C+E) | — A = Parent Result — B = Spike Added
LCS/LCSD Recovery [D] = 100 * (C) / [B] — C = MS/LCS Result — D = MSD/LCSD % Rec
Log Difference Log Diff. = Log(Sample Duplicate) - Log(Original Sample) — E = MSD/LCSD Result

QC Summary 685444

eurofins | Environment Testing Xenco

Ensolum, LLC

Peashooter 6" Leak

Analytical Method: **BTEX by EPA 8021B** Prep Method: SW5035A
Seq Number: 3148433 Matrix: Solid Date Prep: 01.20.2021
MB Sample Id: 7719632-1-BLK LCS Sample Id: 7719632-1-BKS LCSD Sample Id: 7719632-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.000486	0.100	0.0907	91	0.105	105	70-130	15	35	mg/kg	01.20.2021 18:52	
Toluene	<0.000528	0.100	0.0870	87	0.101	101	70-130	15	35	mg/kg	01.20.2021 18:52	
Ethylbenzene	<0.000406	0.100	0.0800	80	0.0920	92	71-129	14	35	mg/kg	01.20.2021 18:52	
m,p-Xylenes	<0.000754	0.200	0.163	82	0.186	93	70-135	13	35	mg/kg	01.20.2021 18:52	
o-Xylene	<0.000403	0.100	0.0806	81	0.0929	93	71-133	14	35	mg/kg	01.20.2021 18:52	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	98		91		94		70-130	%	01.20.2021 18:52
4-Bromofluorobenzene	85		82		86		70-130	%	01.20.2021 18:52

Analytical Method: **BTEX by EPA 8021B** Prep Method: SW5035A
Seq Number: 3148433 Matrix: Soil Date Prep: 01.20.2021
Parent Sample Id: 685440-001 MS Sample Id: 685440-001 S MSD Sample Id: 685440-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.000484	0.0996	0.103	103	0.0986	99	70-130	4	35	mg/kg	01.20.2021 19:37	
Toluene	<0.000526	0.0996	0.101	101	0.0950	95	70-130	6	35	mg/kg	01.20.2021 19:37	
Ethylbenzene	<0.000405	0.0996	0.0935	94	0.0881	88	71-129	6	35	mg/kg	01.20.2021 19:37	
m,p-Xylenes	<0.000751	0.199	0.191	96	0.181	91	70-135	5	35	mg/kg	01.20.2021 19:37	
o-Xylene	<0.000401	0.0996	0.0939	94	0.0899	90	71-133	4	35	mg/kg	01.20.2021 19:37	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	94		97		70-130	%	01.20.2021 19:37
4-Bromofluorobenzene	84		87		70-130	%	01.20.2021 19:37

MS/MSD Percent Recovery [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200* | (C-E) / (C+E) |
LCS/LCSD Recovery [D] = 100 * (C) / [B]
Log Difference Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec

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: 685444

www.xenco.com Page 1 of 1

Project Manager:	Beaux Jennings	Bill to: (if different)	
Company Name:	Ensolum LLC	Company Name:	
Address:	705 W. Wadley Ave	Address:	
City, State ZIP:	Midland, TX 79705	City, State ZIP:	
Phone:	(210) 219-8858	Email:	Bjennings@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:	Peashooter 6" Leak	Turn Around	☐ Routine ☒ Rush 24hr
Project Number:	03B1226040	Due Date:	
Project Location:	Eddy County, NM	TAT starts the day received by the lab, if received by 4:30pm	
Sampler's Name:	Kelly Lowery		
PO #:	03B1226040		

SAMPLE RECEIPT				
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No	
Samples Received Intact:	Yes No	Thermometer ID:	IR-007	
Cooler Custody Seals:	(Yes) No N/A	Correction Factor:	-0.2	
Sample Custody Seals:	Yes No N/A	Temperature Reading:	0.8/0.6	
Total Containers:	4	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	BTEX 8021B	TPH 8015M	Chlorides 300.0
CS-19	S	01/20/21	1435	5'	C	1		X	X	X
CS-21			1115	5'	C	1		X	X	X
CS-22			1120	0-5'	C	1		X	X	X
CS-23	↓	↓	1125	0-5'	C	1		X	X	X

NFG 01/20/2021 KL

Sample Comments

24 hr ↓

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		1-20-21 1447	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

Eurofins Xenco, LLC

Prelogin/Nonconformance Report- Sample Log-In

Client: Ensolum, LLC

Date/ Time Received: 01.20.2021 02.47.00 PM

Work Order #: 685444

Acceptable Temperature Range: 0 - 6 degC
Air and Metal samples Acceptable Range: Ambient

Temperature Measuring device used : T_NM_007

Sample Receipt Checklist		Comments
#1 *Temperature of cooler(s)?	.6	
#2 *Shipping container in good condition?	**Yes**	
#3 *Samples received on ice?	**Yes**	
#4 *Custody Seals intact on shipping container/ cooler?	**Yes**	
#5 Custody Seals intact on sample bottles?	**Yes**	
#6*Custody Seals Signed and dated?	**Yes**	
#7 *Chain of Custody present?	**Yes**	
#8 Any missing/extra samples?	**No**	
#9 Chain of Custody signed when relinquished/ received?	**Yes**	
#10 Chain of Custody agrees with sample labels/matrix?	**Yes**	
#11 Container label(s) legible and intact?	**Yes**	
#12 Samples in proper container/ bottle?	**Yes**	Samples received in bulk containers.
#13 Samples properly preserved?	**Yes**	
#14 Sample container(s) intact?	**Yes**	
#15 Sufficient sample amount for indicated test(s)?	**Yes**	
#16 All samples received within hold time?	**Yes**	
#17 Subcontract of sample(s)?	**No**	
#18 Water VOC samples have zero headspace?	**N/A**	

*** Must be completed for after-hours delivery of samples prior to placing in the refrigerator**

Analyst: PH Device/Lot#:

Checklist completed by: Cloe Clifton Date: 01.20.2021

Checklist reviewed by: Jessica Kramer Date: 01.21.2021

Jessica Kramer

ENSOLUM

APPENDIX F

C-141

OCD Permitting

NAPP2036546170 PEASHOOTER 6" PIPELINE @ D-20-19S-32E 0N 0E

General Incident Information

Site Name: Peashooter 6" Pipeline
Well:
Facility:
Operator: [241602] Enterprise Field Services, LLC
Status: Closure Not Approved
Severity: Minor
Type: Natural Gas Release
Surface Owner: Federal
District: Hobbs
County: Lea (25)

Incident Location: D-20-19S-32E 0 FNL 0 FEL
Lat/Long: 32.6522,-103.7964 NAD83
Directions:

Notes

Source of Referral: Industry Rep
Action / Escalation:

Resulted In Fire: ☐
Will or Has Reached Watercourse: ☐
Endangered Public Health: ☐
Property Or Environmental Damage: ☐
Fresh Water Contamination: ☐

Contact Details

Contact Name:
Contact Title:

Event Dates

Date of Discovery: 12/17/2020
OCD Notified of Major Release: 12/30/2020
Extension Date:
Cancelled Date:

Initial C-141 Received:
Characterization Report Received:
Characterization Report Approved:
Remediation Plan Received:
Remediation Plan Approved:
Remediation Due:
Closure Report Received:
Closure Report Approved:

Incidents Materials

Cause	Source	Material	Volume Unk.	Volume Spilled	Volume Recovered	Volume Lost	Units
Other	Pipeline (Any)	Condensate	☐	10	0	10	BBL
Other	Pipeline (Any)	Natural Gas (Methane)	☐	38	0	38	Mcf

Incident Events

Quic
- Gene
- Mater
- Event
- Order

Assc
- Incide

New
- New I
- New I
- New (
- New I
- New S
- New T
- New V

12/30/2020	Additional Details provided by the operator: Found a leak on 6" pipeline, cause is to be determined.
12/30/2020	Initial Response question & answers at the time of notification were as follows. • The source of the release has been stopped: True. • The impacted area has been secured to protect human health and the environment: True. • Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices: True. • All free liquids and recoverable materials have been removed and managed appropriately: True.
12/30/2020	New incident created by the operator, upon the submission of notification of release.
12/17/2020	Release discovered by the operator.

Orders

No Orders Found

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 20165

CONDITIONS OF APPROVAL

Operator:			OGRID:	Action Number:	Action Type:
ENTERPRISE FIELD SERVICES, LLC	PO Box 4324	Houston, TX77210	241602	20165	C-141

OCD Reviewer	Condition
chensley	None