

October 11, 2024

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

Re: Closure Request

Corral Canyon 16-4 St Fed Com 126H Incident Number NAPP2335250734 Eddy County, New Mexico

To Whom It May Concern:

Ensolum, LLC (Ensolum) on behalf of XTO Energy, Inc. (XTO), has prepared this *Closure Request* to document excavation and soil sampling activities performed at the Corral Canyon 16-4 St Fed Com 126H (Site). The purpose of excavation and soil sampling activities, conducted in accordance with an approved *Remediation Work Plan* (*RWP*), was to address impacts to soil resulting from a release of produced water at the Site. XTO is submitting this *Closure Request*, describing excavation activities that have occurred and requesting no further remediation for Incident Number NAPP2335250734.

#### SITE DESCRIPTION AND RELEASE BACKGROUND

The Site is located in Unit O, Section 16, Township 25 South, Range 29 East, in Eddy County, New Mexico (32.12605°, -103.98646°) and is associated with oil and gas exploration and production operations on state land managed by the New Mexico State Land Office (NMSLO).

On December 8, 2023, a 2-inch Chiksan® joint in the flowback iron washed out during flowback operations, resulting in the release of 14.6 barrels (bbls) of produced water onto the surface of the well pad. A vacuum truck was dispatched to the Site to recover free standing fluids, and approximately 12.0 bbls of released fluids were recovered. XTO reported the release to the New Mexico Oil Conservation Division (NMOCD) via email and submitted a Release Notification Form C-141 (Form C-141) on December 18, 2023. The release was assigned Incident Number NAPP2335250734.

Ensolum conducted Site assessment and delineation activities and presented the results in a *RWP* that was submitted on April 5, 2024, and approved by the NMOCD on April 15, 2024. The RWP proposed excavation of impacted and waste-containing soil identified during delineation activities. Delineation sample locations are shown on Figure 2 and laboratory analytical results can be found on Table 1. Complete laboratory analytical reports are included in the *RWP*.

In the *RWP* a variance to the Closure Criteria was requested and approved. The NMOCD reponse to the variance stated:

Variance approved to use USGS groundwater data within.5 miles of site that is >25 years old. The site is at 3003 feet elevation and taking this into consideration the dtgw would still be >100 feet.

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

XTO Energy, Inc Closure Request Corral Canyon 16-4 St Fed 126H

As such, the following NMOCD Table I Closure Criteria (Closure Criteria) apply:

Benzene: 10 milligrams per kilogram (mg/kg)

• Benzene, toluene, ethylbenzene, and total xylenes (BTEX): 50 mg/kg

 Total petroleum hydrocarbons (TPH)-gasoline range organics (GRO) and TPH-diesel range organics (DRO): 1,000 mg/kg

TPH: 2,500 mg/kg

Chloride: 20,000 mg/kg

#### **CULTURAL RESOURCE SURVEY**

Since the release remained on pad the Site is exempt the Cultural Properties Protection Rule (CPP). No additional cultural resource surveys were completed in connection with this release.

#### **EXCAVATION SOIL SAMPLING ACTIVITIES**

Ensolum personnel were onsite between September 26 and September 27, 2024, to excavate impacted soil according to the approved *RWP*. Excavation activities were performed by use of heavy equipment. To direct excavation activities, soil was field screened for volatile organic compounds (VOCs) utilizing a calibrated photoionization detector (PID) and chloride using Hach® chloride QuanTab® test strips. XTO safety policy restricts soil disturbing activities to a 2-foot radius of any on-site production equipment and a 10-foot radius of any well heads. Once field screening indicated impacted soil was adequately removed to the maximum extent possible, 5-point composite soil samples were collected every 200 square feet from the floor and sidewall of the excavation extent. The 5-point composite samples were collected by placing five equivalent aliquots of soil into a 1-gallon, resealable plastic bag and homogenizing the samples by thoroughly mixing. Confirmation soil samples FS01 through FS27 were collected from the floor of the excavation at depths of 2 feet bgs. Confirmation soil samples SW01 through SW07 were collected from the sidewalls of the excavation at depths ranging from the ground surface to 2 feet bgs. The confirmation soil sample locations were mapped utilizing a GPS unit and are depicted on Figure 3. Photographic documentation of the final excavation extent is provided in Appendix A.

The soil samples were placed directly into pre-cleaned glass jars, labeled with the location, date, time, sampler name, method of analysis, and immediately placed on ice. The soil samples were transported under strict chain-of-custody procedures to Cardinal Laboratories (Cardinal) in Hobbs, New Mexico, for analysis of the following contaminants of concern (COCs): BTEX following United States Environmental Protection Agency (EPA) Method 8021B; TPH-gasoline range organics (GRO), TPH-diesel range organics (DRO), and TPH-oil range organics (ORO) following EPA Method 8015M/D; and chloride following Standards Method SM4500.

The final excavation extent measured approximately 5,252 square feet. A total of approximately 389 cubic yards of impacted soil was removed during the excavation activies. The impacted soil was transported and disposed of at the R360 Landfill Disposal Facility in Hobbs, New Mexico. The final excavation was fenced off pending backfilling.

XTO Energy, Inc Closure Request Corral Canyon 16-4 St Fed 126H

#### LABORATORY ANALYTICAL RESULTS

Laboratory analytical results for all excavation floor and sidewall samples indicated all COC concentrations were compliant with the Closure Criteria. The laboratory analytical results are summarized in Table 1 and the complete laboratory analytical reports are included in Appendix B.

#### **CLOSURE REQUEST**

Excavation activities were conducted at the Site as indicated in the *RWP* to address the December 2023 release of produced water. The approved *RWP* is included in Appendix C. Laboratory analytical results for all excavation soil samples collected indicate COC concentrations were compliant with the Closure Criteria. Based on the soil sample laboratory analytical results, no further remediation is required. The excavation will be backfilled with material purchased locally and the Site will be recontoured to match pre-existing site conditions.

Excavation of soil has mitigated impacts exceeding the Closure Criteria at the Site. XTO believes these remedial actions are protective of human health, the environment, and groundwater. As such, XTO respectfully requests closure for Incident Number NAPP2335250734.

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

Sincerely, **Ensolum**, **LLC** 

Tracy Hillard Project Engineer

Tracy Hothand

Ashley L. Ager, M.S., P.G. Principal

ashley L. ager

cc: Colton Brown, XTO

Kaylan Dirkx, XTO

**NMSLO** 

#### Appendices:

Figure 1 Site Receptor Map

Figure 2 Delineation Soil Sample Locations
Figure 3 Excavation Soil Sample Locations
Table 1 Soil Sample Analytical Results

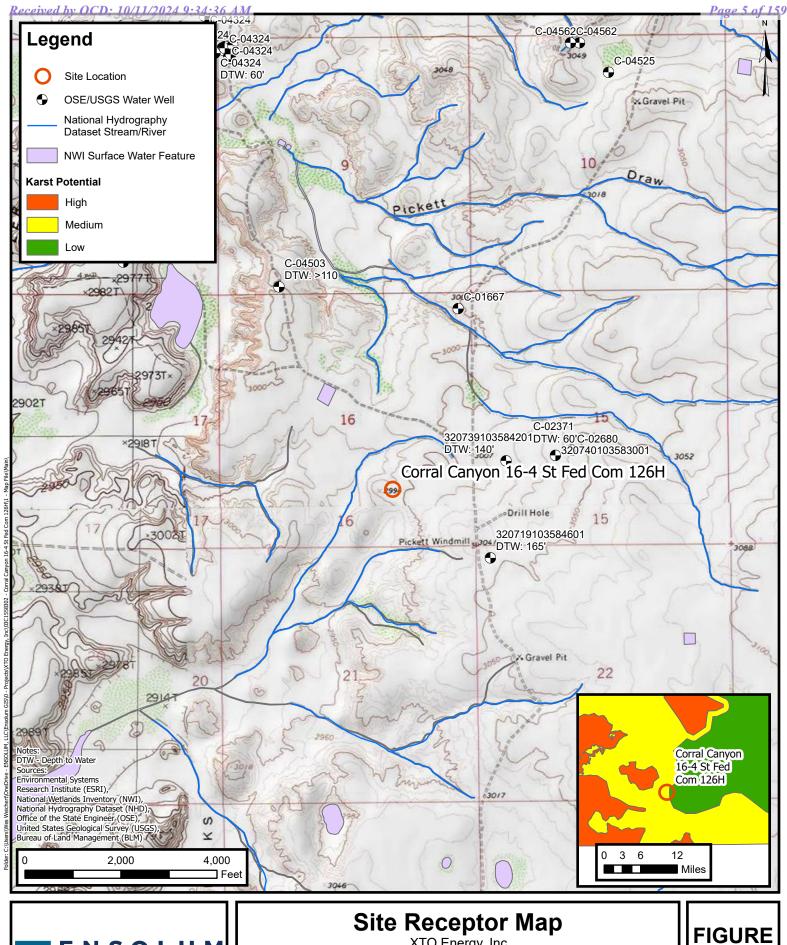
Appendix A Photographic Log

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

Appendix C April 5, 2024 Remediation Work Plan



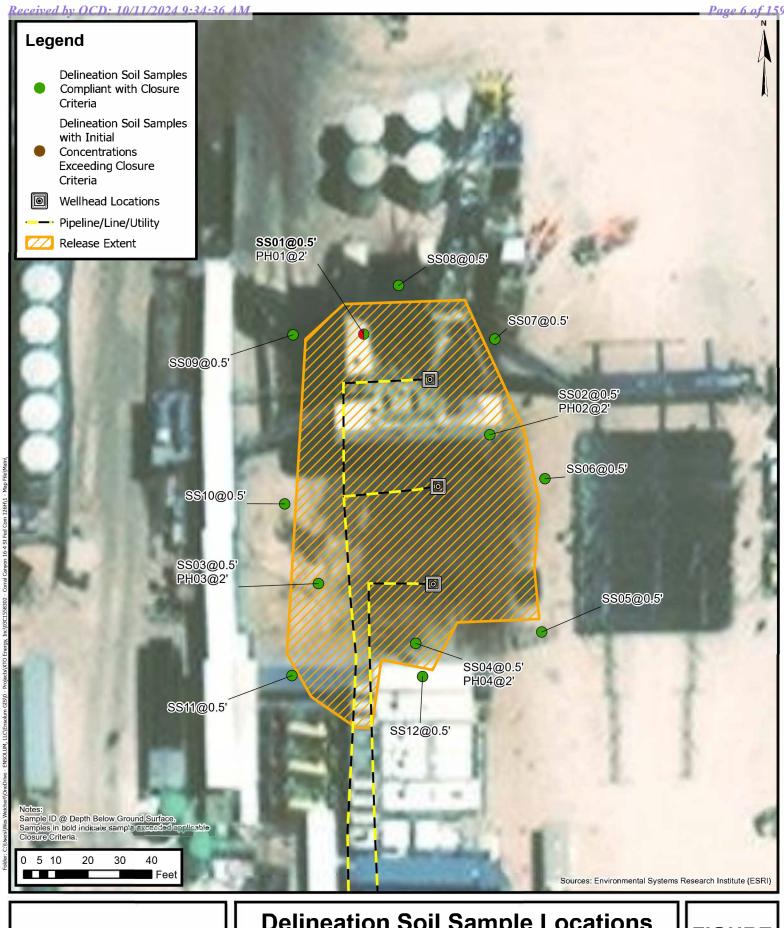
**FIGURES** 





XTO Energy, Inc Corral Canyon 16-4 St Fed Com 126H Incident Number: NAPP2335250734 Unit O, Sec 16, T25S, R29E Eddy Co, New Mexico, United States

Released to Imaging: 10/22/2024 3:58.50 PM





## **Delineation Soil Sample Locations**

XTO Energy, Inc Corral Canyon 16-4 St Fed Com 126H Incident Number: NAPP2335250734 Unit O, Sec 16, T25S, R29E Eddy Co, New Mexico, United States

**FIGURE** 2

Released to Imaging: 10/22/2024 3:58.50 PM





## **Excavation Soil Sample Locations**

XTO Energy, Inc Corral Canyon 16-4 Fed Com 126H Incident Number: NAPP2335250734 Unit O, Sec 16, T25S, R29E Eddy Co, New Mexico, United States FIGURE 3

Released to Imaging: 10/22/2024 3:58.50 PM



**TABLES** 



# TABLE 1 SOIL SAMPLE ANALYTICAL RESULTS Corral Canyon 16-4 ST Fed Com 126H XTO Energy, Inc Eddy County, New Mexico

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I (	Closure Criteria (	NMAC 19.15.29)	10	50	NE	NE	NE	1,000	2,500	20,000
				Deli	neation Soil Sa	mples				
SS01	01/19/2024	0.5	<0.00201	<0.00402	<49.7	1,390	<del>115</del>	1,390	<del>1,510</del>	20,700
PH01	01/29/2024	2	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	<49.8	62.5
SS02	01/19/2024	0.5	<0.00199	<0.00398	<50.0	287	<50.0	287	287	4,230
PH02	01/29/2024	2	<0.00198	<0.00396	<50.1	<50.1	<50.1	<50.1	<50.1	199
SS03	01/19/2024	0.5	<0.00199	<0.00398	<49.6	133	<49.6	133	133	5,330
PH03	01/29/2024	2	<0.00201	<0.00402	<50.2	<50.2	<50.2	<50.2	<50.2	413
SS04	01/19/2024	0.5	<0.00200	<0.00399	<49.6	65.2	<49.6	65.2	65.2	1,900
PH04	01/29/2024	2	<0.00202	<0.00403	<50.4	<50.4	<50.4	<50.4	<50.4	267
SS05	01/29/2024	0.5	<0.00199	<0.00398	<50.2	<50.2	<50.2	<50.2	<50.2	257
SS06	01/29/2024	0.5	<0.00200	<0.00399	<49.7	<49.7	<49.7	<49.7	<49.7	271
SS07	01/29/2024	0.5	<0.00200	<0.00400	<50.0	51.0	<50.0	51.0	51.0	507
SS08	01/29/2024	0.5	<0.00199	<0.00398	<50.0	55.7	<50.0	55.7	55.7	204
SS09	01/29/2024	0.5	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	<49.9	445
SS10	01/29/2024	0.5	<0.00202	<0.00404	<49.6	<49.6	<49.6	<49.6	<49.6	413
SS11	01/29/2024	0.5	<0.00200	<0.00401	<50.1	<50.1	<50.1	<50.1	<50.1	321
SS12	01/29/2024	0.5	<0.00198	<0.00396	<50.4	<50.4	<50.4	<50.4	<50.4	430
				Exc	avation Soil Sa	nples				
FS01	09/27/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	224
FS02	09/27/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	224
FS03	09/27/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	208
FS04	09/27/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
FS05	09/27/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0
FS06	09/27/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	208
FS07	09/27/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144
FS08	09/27/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128
FS09	09/27/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128
FS10	09/27/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128
FS11	09/27/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128
FS12	09/27/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	192
FS13	09/27/2024	2	<0.050	<0.300	<10.0	42.1	<10.0	42.1	42.1	240
FS14	09/27/2024	2	<0.050	<0.300	<10.0	105	<10.0	105	105	320



#### TABLE 1 **SOIL SAMPLE ANALYTICAL RESULTS** Corral Canyon 16-4 ST Fed Com 126H XTO Energy, Inc **Eddy County, New Mexico**

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I C	losure Criteria (I	NMAC 19.15.29)	10	50	NE	NE	NE	1,000	2,500	20,000
FS15	09/27/2024	2	<0.050	<0.300	<10.0	122	16.6	122	139	240
FS16	09/27/2024	2	<0.050	<0.300	<10.0	110	10.7	110	121	336
FS17	09/27/2024	2	<0.050	<0.300	<10.0	106	<10.0	106	106	288
FS18	09/27/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	208
FS19	09/27/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	240
FS20	09/27/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	208
FS21	09/27/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	384
FS22	09/27/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
FS23	09/27/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	336
FS24	09/27/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
FS25	09/27/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	304
FS26	09/27/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
FS27	09/27/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	256
SW01	09/27/2024	0-2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	272
SW02	09/27/2024	0-2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	224
SW03	09/27/2024	0-2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
SW04	09/27/2024	0-2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	368
SW05	09/27/2024	0-2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	3,040
SW06	09/27/2024	0-2	<0.050	<0.300	<10.0	135	15.5	135	150.5	480
SW07	09/27/2024	0-2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	288

#### Notes:

bgs: below ground surface

mg/kg: milligrams per kilogram

NMOCD: New Mexico Oil Conservation Division

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

Concentrations in **bold** exceed the NMOCD Table I Closure Criteria or reclamation requirement where applicable.

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

NMAC: New Mexico Administrative Code

2 of 2 Ensolum



APPENDIX A

Photographic Log



### **Photographic Log**

XTO Energy, Inc.
Corral Canyon 16-4 St Fed Com 126H
Incident Number nAPP2335250734





Photograph: 1 Date: 9/27/2024

Description: Final excavation extent

View: South

Photograph: 2 Date: 9/27/2024

Description: Final excavation extent

View: Southeast





Photograph: 3 Date: 9/27/2024

Description: Final excavation extent

View: East

Photograph: 4 Date: 9/27/2024

Description: Final excavation extent

View: Southwest



**APPENDIX B** 

Laboratory Analytical Reports & Chain of Custody Documentation



October 02, 2024

TRACY HILLARD

**ENSOLUM** 

3122 NATIONAL PARKS HWY

CARLSBAD, NM 88220

RE: CORRAL CANYON 16-4 ST FED COM 126H

Enclosed are the results of analyses for samples received by the laboratory on 10/01/24 13:20.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at <a href="https://www.tceq.texas.gov/field/ga/lab">www.tceq.texas.gov/field/ga/lab</a> accred certif.html.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2 Haloacetic Acids (HAA-5)
Method EPA 524.2 Total Trihalomethanes (TTHM)
Method EPA 524.4 Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

Celey D. Keine

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



#### Analytical Results For:

ENSOLUM TRACY HILLARD 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 10/01/2024 Reported: 10/02/2024

CORRAL CANYON 16-4 ST FED COM 126

Project Name: CORRAL CAN Project Number: 03C1558302

Project Location: XTO 32.12605, -103.98646

Sampling Date: 09/27/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

#### Sample ID: FS 01 2' (H245946-01)

DTEV 0021D

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/01/2024	ND	2.13	107	2.00	1.17	
Toluene*	<0.050	0.050	10/01/2024	ND	2.07	104	2.00	0.168	
Ethylbenzene*	<0.050	0.050	10/01/2024	ND	2.13	106	2.00	0.462	
Total Xylenes*	<0.150	0.150	10/01/2024	ND	6.35	106	6.00	0.478	
Total BTEX	<0.300	0.300	10/01/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	10/02/2024	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/01/2024	ND	178	88.9	200	3.40	
DRO >C10-C28*	<10.0	10.0	10/01/2024	ND	168	83.9	200	3.11	
EXT DRO >C28-C36	<10.0	10.0	10/01/2024	ND					
Surrogate: 1-Chlorooctane	115 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	116	% 49.1-14	8						

Applyand By 14

Cardinal Laboratories \*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



#### Analytical Results For:

**ENSOLUM** TRACY HILLARD 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 10/01/2024 Reported: 10/02/2024

CORRAL CANYON 16-4 ST FED COM 126

Project Number: 03C1558302

Project Location: XTO 32.12605, -103.98646 Sampling Date: 09/27/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Shalyn Rodriguez

#### Sample ID: FS 02 2' (H245946-02)

Project Name:

BTEX 8021B	mg/	'kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/01/2024	ND	2.13	107	2.00	1.17	
Toluene*	<0.050	0.050	10/01/2024	ND	2.07	104	2.00	0.168	
Ethylbenzene*	<0.050	0.050	10/01/2024	ND	2.13	106	2.00	0.462	
Total Xylenes*	<0.150	0.150	10/01/2024	ND	6.35	106	6.00	0.478	
Total BTEX	<0.300	0.300	10/01/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 9	% 71.5-13	4						
Chloride, SM4500Cl-B mg/kg		/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	10/02/2024	ND	416	104	400	3.77	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/01/2024	ND	178	88.9	200	3.40	
DRO >C10-C28*	<10.0	10.0	10/01/2024	ND	168	83.9	200	3.11	
EXT DRO >C28-C36	<10.0	10.0	10/01/2024	ND					
Surrogate: 1-Chlorooctane	112 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	114 9	% 49.1-14	8						

Cardinal Laboratories \*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



#### Analytical Results For:

**ENSOLUM** TRACY HILLARD 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 10/01/2024 Reported: 10/02/2024

CORRAL CANYON 16-4 ST FED COM 126

Project Number: 03C1558302

Project Location: XTO 32.12605, -103.98646 Sampling Date: 09/27/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Shalyn Rodriguez

#### Sample ID: FS 03 2' (H245946-03)

Project Name:

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/01/2024	ND	2.13	107	2.00	1.17	
Toluene*	<0.050	0.050	10/01/2024	ND	2.07	104	2.00	0.168	
Ethylbenzene*	<0.050	0.050	10/01/2024	ND	2.13	106	2.00	0.462	
Total Xylenes*	<0.150	0.150	10/01/2024	ND	6.35	106	6.00	0.478	
Total BTEX	<0.300	0.300	10/01/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 9	% 71.5-13	4						
Chloride, SM4500Cl-B mg/kg		/kg	Analyze						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	10/02/2024	ND	416	104	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/01/2024	ND	178	88.9	200	3.40	
DRO >C10-C28*	<10.0	10.0	10/01/2024	ND	168	83.9	200	3.11	
EXT DRO >C28-C36	<10.0	10.0	10/01/2024	ND					
Surrogate: 1-Chlorooctane	118 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	120 9	% 49.1-14	8						

Cardinal Laboratories \*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



#### Analytical Results For:

**ENSOLUM** TRACY HILLARD 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 10/01/2024 Reported: 10/02/2024

CORRAL CANYON 16-4 ST FED COM 126

Project Number: 03C1558302

Project Location: XTO 32.12605, -103.98646 Sampling Date: 09/27/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Shalyn Rodriguez

#### Sample ID: FS 04 2' (H245946-04)

Project Name:

BTEX 8021B	mg/	'kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/01/2024	ND	2.13	107	2.00	1.17	
Toluene*	<0.050	0.050	10/01/2024	ND	2.07	104	2.00	0.168	
Ethylbenzene*	<0.050	0.050	10/01/2024	ND	2.13	106	2.00	0.462	
Total Xylenes*	<0.150	0.150	10/01/2024	ND	6.35	106	6.00	0.478	
Total BTEX	<0.300	0.300	10/01/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 9	% 71.5-13	4						
Chloride, SM4500Cl-B mg/kg		/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	10/02/2024	ND	416	104	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/01/2024	ND	178	88.9	200	3.40	
DRO >C10-C28*	<10.0	10.0	10/01/2024	ND	168	83.9	200	3.11	
EXT DRO >C28-C36	<10.0	10.0	10/01/2024	ND					
Surrogate: 1-Chlorooctane	118 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	121 9	% 49.1-14	8						

Cardinal Laboratories \*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



#### Analytical Results For:

**ENSOLUM** TRACY HILLARD 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 10/01/2024 Reported:

10/02/2024 CORRAL CANYON 16-4 ST FED COM 126

Project Number: 03C1558302

Project Location: XTO 32.12605, -103.98646 Sampling Date: 09/27/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Shalyn Rodriguez

#### Sample ID: FS 05 2' (H245946-05)

Project Name:

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/01/2024	ND	2.13	107	2.00	1.17	
Toluene*	<0.050	0.050	10/01/2024	ND	2.07	104	2.00	0.168	
Ethylbenzene*	<0.050	0.050	10/01/2024	ND	2.13	106	2.00	0.462	
Total Xylenes*	<0.150	0.150	10/01/2024	ND	6.35	106	6.00	0.478	
Total BTEX	<0.300	0.300	10/01/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 9	% 71.5-13	4						
Chloride, SM4500CI-B mg/kg		'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	10/02/2024	ND	416	104	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/01/2024	ND	178	88.9	200	3.40	
DRO >C10-C28*	<10.0	10.0	10/01/2024	ND	168	83.9	200	3.11	
EXT DRO >C28-C36	<10.0	10.0	10/01/2024	ND					
Surrogate: 1-Chlorooctane	114 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	115 9	% 49.1-14	8						

Cardinal Laboratories \*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



#### Analytical Results For:

ENSOLUM TRACY HILLARD 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 10/01/2024 Reported: 10/02/2024

10/02/2024 Sampling Type: CORRAL CANYON 16-4 ST FED COM 126 Sampling Condition:

Project Name: CORRAL CANYO Project Number: 03C1558302

Project Location: XTO 32.12605, -103.98646

Sampling Date: 09/27/2024

Sample Received By:

Cool & Intact Shalyn Rodriguez

Soil

#### Sample ID: FS 06 2' (H245946-06)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/01/2024	ND	2.13	107	2.00	1.17	
Toluene*	<0.050	0.050	10/01/2024	ND	2.07	104	2.00	0.168	
Ethylbenzene*	<0.050	0.050	10/01/2024	ND	2.13	106	2.00	0.462	
Total Xylenes*	<0.150	0.150	10/01/2024	ND	6.35	106	6.00	0.478	
Total BTEX	<0.300	0.300	10/01/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 71.5-13	4						
hloride, SM4500Cl-B mg/kg		/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	10/02/2024	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/01/2024	ND	178	88.9	200	3.40	
DRO >C10-C28*	<10.0	10.0	10/01/2024	ND	168	83.9	200	3.11	
EXT DRO >C28-C36	<10.0	10.0	10/01/2024	ND					
Surrogate: 1-Chlorooctane	107	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	109	% 49.1-14	8						

Cardinal Laboratories \*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results related only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celeg D. Freene



#### Analytical Results For:

**ENSOLUM** TRACY HILLARD 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 10/01/2024 Reported: 10/02/2024

CORRAL CANYON 16-4 ST FED COM 126

Project Number: 03C1558302

Project Location: XTO 32.12605, -103.98646 Sampling Date: 09/27/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Shalyn Rodriguez

#### Sample ID: FS 07 2' (H245946-07)

Project Name:

BTEX 8021B	mg/	'kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/01/2024	ND	2.13	107	2.00	1.17	
Toluene*	<0.050	0.050	10/01/2024	ND	2.07	104	2.00	0.168	
Ethylbenzene*	<0.050	0.050	10/01/2024	ND	2.13	106	2.00	0.462	
Total Xylenes*	<0.150	0.150	10/01/2024	ND	6.35	106	6.00	0.478	
Total BTEX	<0.300	0.300	10/01/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	106 9	% 71.5-13	4						
Chloride, SM4500Cl-B mg/kg		'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	10/02/2024	ND	416	104	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/01/2024	ND	178	88.9	200	3.40	
DRO >C10-C28*	<10.0	10.0	10/01/2024	ND	168	83.9	200	3.11	
EXT DRO >C28-C36	<10.0	10.0	10/01/2024	ND					
Surrogate: 1-Chlorooctane	118 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	121 9	% 49.1-14	8						

Cardinal Laboratories \*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



#### Analytical Results For:

ENSOLUM TRACY HILLARD 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 10/01/2024 Reported: 10/02/2024

10/02/2024 CORRAL CANYON 16-4 ST FED COM 126

ma/ka

Project Name: CORRAL CAN Project Number: 03C1558302

Project Location: XTO 32.12605, -103.98646

Sampling Date: 09/27/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

#### Sample ID: FS 08 2' (H245946-08)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/01/2024	ND	2.13	107	2.00	1.17	
Toluene*	<0.050	0.050	10/01/2024	ND	2.07	104	2.00	0.168	
Ethylbenzene*	<0.050	0.050	10/01/2024	ND	2.13	106	2.00	0.462	
Total Xylenes*	<0.150	0.150	10/01/2024	ND	6.35	106	6.00	0.478	
Total BTEX	<0.300	0.300	10/01/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	10/02/2024	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/01/2024	ND	178	88.9	200	3.40	
DRO >C10-C28*	<10.0	10.0	10/01/2024	ND	168	83.9	200	3.11	
EXT DRO >C28-C36	<10.0	10.0	10/01/2024	ND					
Surrogate: 1-Chlorooctane	114	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	115	% 49.1-14	8						

Analyzed By: 14

Cardinal Laboratories \*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



#### Analytical Results For:

ENSOLUM TRACY HILLARD 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 10/01/2024 Reported: 10/02/2024

10/02/2024 CORRAL CANYON 16-4 ST FED COM 126

Project Name: CORRAL CAN Project Number: 03C1558302

Project Location: XTO 32.12605, -103.98646

Sampling Date: 09/27/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

#### Sample ID: FS 09 2' (H245946-09)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/01/2024	ND	2.13	107	2.00	1.17	
Toluene*	<0.050	0.050	10/01/2024	ND	2.07	104	2.00	0.168	
Ethylbenzene*	<0.050	0.050	10/01/2024	ND	2.13	106	2.00	0.462	
Total Xylenes*	<0.150	0.150	10/01/2024	ND	6.35	106	6.00	0.478	
Total BTEX	<0.300	0.300	10/01/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	10/02/2024	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/01/2024	ND	178	88.9	200	3.40	
DRO >C10-C28*	<10.0	10.0	10/01/2024	ND	168	83.9	200	3.11	
EXT DRO >C28-C36	<10.0	10.0	10/01/2024	ND					
Surrogate: 1-Chlorooctane	76.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	83.5	% 49.1-14	8						

Cardinal Laboratories \*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results related only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



#### Analytical Results For:

**ENSOLUM** TRACY HILLARD 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 10/01/2024 Reported: 10/02/2024

CORRAL CANYON 16-4 ST FED COM 126

Project Name: Project Number: 03C1558302

Project Location: XTO 32.12605, -103.98646 Sampling Date: 09/27/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Shalyn Rodriguez

#### Sample ID: FS 10 2' (H245946-10)

BTEX 8021B	mg/	'kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/01/2024	ND	2.13	107	2.00	1.17	
Toluene*	<0.050	0.050	10/01/2024	ND	2.07	104	2.00	0.168	
Ethylbenzene*	<0.050	0.050	10/01/2024	ND	2.13	106	2.00	0.462	
Total Xylenes*	<0.150	0.150	10/01/2024	ND	6.35	106	6.00	0.478	
Total BTEX	<0.300	0.300	10/01/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 9	% 71.5-13	4						
Chloride, SM4500Cl-B mg/kg		'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	10/02/2024	ND	416	104	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/01/2024	ND	178	88.9	200	3.40	
DRO >C10-C28*	<10.0	10.0	10/01/2024	ND	168	83.9	200	3.11	
EXT DRO >C28-C36	<10.0	10.0	10/01/2024	ND					
Surrogate: 1-Chlorooctane	102 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	105	% 49.1-14	8						

Cardinal Laboratories \*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



#### Analytical Results For:

**ENSOLUM** TRACY HILLARD 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 10/01/2024 Reported:

Sampling Date:

09/27/2024

Project Name:

10/02/2024

Sampling Type:

Soil Cool & Intact

Project Number:

03C1558302

CORRAL CANYON 16-4 ST FED COM 126

Sampling Condition: Sample Received By:

Shalyn Rodriguez

Project Location: XTO 32.12605, -103.98646

#### Sample ID: FS 11 2' (H245946-11)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/01/2024	ND	2.13	107	2.00	1.17	
Toluene*	<0.050	0.050	10/01/2024	ND	2.07	104	2.00	0.168	
Ethylbenzene*	<0.050	0.050	10/01/2024	ND	2.13	106	2.00	0.462	
Total Xylenes*	<0.150	0.150	10/01/2024	ND	6.35	106	6.00	0.478	
Total BTEX	<0.300	0.300	10/01/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	10/02/2024	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/01/2024	ND	178	88.9	200	3.40	
DRO >C10-C28*	<10.0	10.0	10/01/2024	ND	168	83.9	200	3.11	
EXT DRO >C28-C36	<10.0	10.0	10/01/2024	ND					
Surrogate: 1-Chlorooctane	110	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	112	% 49.1-14	8						

#### Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



#### Analytical Results For:

ENSOLUM TRACY HILLARD 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 10/01/2024 Reported: 10/02/2024

CORRAL CANYON 16-4 ST FED COM 126

Project Number: 03C1558302

Project Location: XTO 32.12605, -103.98646

ma/ka

Sampling Date: 09/27/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

#### Sample ID: FS 12 2' (H245946-12)

Project Name:

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/01/2024	ND	2.13	107	2.00	1.17	
Toluene*	<0.050	0.050	10/01/2024	ND	2.07	104	2.00	0.168	
Ethylbenzene*	<0.050	0.050	10/01/2024	ND	2.13	106	2.00	0.462	
Total Xylenes*	<0.150	0.150	10/01/2024	ND	6.35	106	6.00	0.478	
Total BTEX	<0.300	0.300	10/01/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	10/02/2024	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/01/2024	ND	178	88.9	200	3.40	
DRO >C10-C28*	<10.0	10.0	10/01/2024	ND	168	83.9	200	3.11	
EXT DRO >C28-C36	<10.0	10.0	10/01/2024	ND					
Surrogate: 1-Chlorooctane	115	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	117	% 49.1-14	8						

Analyzed By: 14

Cardinal Laboratories \*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



#### Analytical Results For:

ENSOLUM TRACY HILLARD 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 10/01/2024 Reported: 10/02/2024

 10/01/2024
 Sampling Date:
 09/27/2024

 10/02/2024
 Sampling Type:
 Soil

Project Name: CORRAL CANYON 16-4 ST FED COM 126
Project Number: 03C1558302

Project Location: XTO 32.12605, -103.98646

ma/ka

Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

#### Sample ID: FS 13 2' (H245946-13)

RTFY 8021R

Result <0.050 <0.050 <0.050 <0.150 <0.300	Reporting Limit  0.050  0.050  0.050  0.150	Analyzed 10/01/2024 10/01/2024 10/01/2024	Method Blank ND ND	BS 2.13 2.07	% Recovery 107 104	True Value QC 2.00 2.00	RPD 1.17 0.168	Qualifier
<0.050 <0.050 <0.150	0.050 0.050	10/01/2024	ND					
<0.050 <0.150	0.050			2.07	104	2.00	0.160	
<0.150		10/01/2024	ND				0.108	
	0.150		ND	2.13	106	2.00	0.462	
< 0.300		10/01/2024	ND	6.35	106	6.00	0.478	
	0.300	10/01/2024	ND					
105 9	% 71.5-13	4						
mg/	/kg	Analyze	d By: AC					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
240	16.0	10/02/2024	ND	416	104	400	3.77	
mg/	/kg	Analyze	d By: MS					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<10.0	10.0	10/02/2024	ND	178	88.9	200	3.40	
42.1	10.0	10/02/2024	ND	168	83.9	200	3.11	
<10.0	10.0	10/02/2024	ND					
111 9	% 48.2-13	4						
113 9	% 49.1-14	8						
	Result 240 mg/ Result <10.0 42.1 <10.0	<0.300 105 % 71.5-13 mg/ky Result Reporting Limit 240 16.0 mg/ky Result Reporting Limit <10.0 10.0 42.1 10.0 <10.0 10.0 111 % 48.2-13	<0.300       0.300       10/01/2024         105 %       71.5-134       Analyze         Result       Reporting Limit       Analyzed         Result       Reporting Limit       Analyzed         < Analyzed       Analyzed         42.1       10.0       10/02/2024         42.1       10.0       10/02/2024         < 10.0       10/02/2024       48.2-134	I 0.300       10/01/2024       ND         105 % 71.5-134         Method Blank         Result Reporting Limit Analyzed Method Blank         240 16.0 10/02/2024 ND         Method Blank         Result Reporting Limit Analyzed Method Blank         <10.0 10.0 10/02/2024 ND	<0.300       0.300       10/01/2024       ND         105 % 71.5-134         mg/ky       Analyzed By: AC         Result Reporting Limit Analyzed By: MS         Result Reporting Limit Analyzed Method Blank BS         <10.0	<0.300       10/01/2024       ND         105 % 71.5-134         mg/ky       Analyzed By: AC         Result Reporting Limit Analyzed By: MS       % Recovery         Analyzed By: MS         Result Reporting Limit Analyzed Method Blank BS % Recovery         <10.0	< 0.300       10/01/2024       ND         105 % 71.5-134         mg/ky       Analyzed By: AC         Result Reporting Limit Analyzed ND 416 104 400         mg/ky       Analyzed By: MS         Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC         <10.0	<0.300       10/01/2024       ND         105 % 71.5-134         mg/kg       Analyzed By: AC         Result Result   Reporting Limit   Analyzed   Method Blank   BS   % Recovery   True Value QC   RPD         240   16.0   10/02/2024   ND   416   104   400   3.77         mg/kg   Analyzed By: MS         Result   Reporting Limit   Analyzed   Method Blank   BS   % Recovery   True Value QC   RPD         < 10.0   10.0   10/02/2024   ND   178   88.9   200   3.40         42.1   10.0   10/02/2024   ND   168   83.9   200   3.11         < 10.0   10.0   10/02/2024   ND   168   83.9   200   3.11         111 %   48.2-134

Analyzed By: 14

#### Cardinal Laboratories \*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results related only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celeg & Freene



#### Analytical Results For:

ENSOLUM TRACY HILLARD 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 10/01/2024 Reported: 10/02/2024

10/02/2024 Sampling Type: Sampling Condition:

Project Name: CORRAL CANYON 16-4 ST FED COM 126
Project Number: 03C1558302

Project Location: XTO 32.12605, -103.98646

Sampling Date: 09/27/2024 Sampling Type: Soil

Sample Received By:

Cool & Intact Shalyn Rodriguez

#### Sample ID: FS 14 2' (H245946-14)

BTEX 8021B	mg	/kg	Analyze	ed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/01/2024	ND	1.93	96.6	2.00	3.65	
Toluene*	<0.050	0.050	10/01/2024	ND	2.00	100	2.00	3.66	
Ethylbenzene*	<0.050	0.050	10/01/2024	ND	2.02	101	2.00	3.22	
Total Xylenes*	<0.150	0.150	10/01/2024	ND	6.04	101	6.00	3.09	
Total BTEX	<0.300	0.300	10/01/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	10/02/2024	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/01/2024	ND	190	94.8	200	0.0116	
DRO >C10-C28*	105	10.0	10/01/2024	ND	186	93.0	200	0.981	
EXT DRO >C28-C36	<10.0	10.0	10/01/2024	ND					
Surrogate: 1-Chlorooctane	108	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	109	% 49.1-14	8						

#### **Cardinal Laboratories**

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keine



#### Analytical Results For:

**ENSOLUM** TRACY HILLARD 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 10/01/2024 Reported: 10/02/2024

CORRAL CANYON 16-4 ST FED COM 126

Project Number: 03C1558302

Project Location: XTO 32.12605, -103.98646 Sampling Date: 09/27/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Shalyn Rodriguez

#### Sample ID: FS 15 2' (H245946-15)

Project Name:

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/01/2024	ND	1.93	96.6	2.00	3.65	
Toluene*	<0.050	0.050	10/01/2024	ND	2.00	100	2.00	3.66	
Ethylbenzene*	<0.050	0.050	10/01/2024	ND	2.02	101	2.00	3.22	
Total Xylenes*	<0.150	0.150	10/01/2024	ND	6.04	101	6.00	3.09	
Total BTEX	<0.300	0.300	10/01/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	10/02/2024	ND	416	104	400	3.77	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/01/2024	ND	190	94.8	200	0.0116	
DRO >C10-C28*	122	10.0	10/01/2024	ND	186	93.0	200	0.981	
EXT DRO >C28-C36	16.6	10.0	10/01/2024	ND					
Surrogate: 1-Chlorooctane	102 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	104 9	% 49.1-14	8						

Cardinal Laboratories \*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



#### Analytical Results For:

ENSOLUM TRACY HILLARD 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 10/01/2024 Reported: 10/02/2024 Sampling Date: 09/27/2024
Sampling Type: Soil

Project Name: CORRAL CANYON 16-4 ST FED COM 126

Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Project Number: 03C1558302

Project Location: XTO 32.12605, -103.98646

#### Sample ID: FS 16 2' (H245946-16)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/01/2024	ND	1.93	96.6	2.00	3.65	
Toluene*	<0.050	0.050	10/01/2024	ND	2.00	100	2.00	3.66	
Ethylbenzene*	<0.050	0.050	10/01/2024	ND	2.02	101	2.00	3.22	
Total Xylenes*	<0.150	0.150	10/01/2024	ND	6.04	101	6.00	3.09	
Total BTEX	<0.300	0.300	10/01/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	336	16.0	10/02/2024	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/01/2024	ND	190	94.8	200	0.0116	
DRO >C10-C28*	110	10.0	10/01/2024	ND	186	93.0	200	0.981	
EXT DRO >C28-C36	10.7	10.0	10/01/2024	ND					
Surrogate: 1-Chlorooctane	106	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	109	% 49.1-14	8						

#### Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results related only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keine



#### Analytical Results For:

**ENSOLUM** TRACY HILLARD 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 10/01/2024 Reported:

Sampling Date: 09/27/2024 10/02/2024 Sampling Type: Soil

Project Name: CORRAL CANYON 16-4 ST FED COM 126 Project Number: 03C1558302

Project Location: XTO 32.12605, -103.98646 Sampling Condition: Cool & Intact Shalyn Rodriguez Sample Received By:

Sample ID: FS 17 2' (H245946-17)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/01/2024	ND	1.93	96.6	2.00	3.65	
Toluene*	<0.050	0.050	10/01/2024	ND	2.00	100	2.00	3.66	
Ethylbenzene*	<0.050	0.050	10/01/2024	ND	2.02	101	2.00	3.22	
Total Xylenes*	<0.150	0.150	10/01/2024	ND	6.04	101	6.00	3.09	
Total BTEX	<0.300	0.300	10/01/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	10/02/2024	ND	416	104	400	3.77	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/01/2024	ND	190	94.8	200	0.0116	
DRO >C10-C28*	106	10.0	10/01/2024	ND	186	93.0	200	0.981	
EXT DRO >C28-C36	<10.0	10.0	10/01/2024	ND					
Surrogate: 1-Chlorooctane	91.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	92.3	% 49.1-14	8						

Cardinal Laboratories \*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



#### Analytical Results For:

**ENSOLUM** TRACY HILLARD 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 10/01/2024 Reported: 10/02/2024

CORRAL CANYON 16-4 ST FED COM 126

Project Number: 03C1558302

Project Location: XTO 32.12605, -103.98646 Sampling Date: 09/27/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Shalyn Rodriguez

#### Sample ID: FS 18 2' (H245946-18)

Project Name:

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/01/2024	ND	1.93	96.6	2.00	3.65	
Toluene*	<0.050	0.050	10/01/2024	ND	2.00	100	2.00	3.66	
Ethylbenzene*	<0.050	0.050	10/01/2024	ND	2.02	101	2.00	3.22	
Total Xylenes*	<0.150	0.150	10/01/2024	ND	6.04	101	6.00	3.09	
Total BTEX	<0.300	0.300	10/01/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	103 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	10/02/2024	ND	416	104	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/01/2024	ND	190	94.8	200	0.0116	
DRO >C10-C28*	<10.0	10.0	10/01/2024	ND	186	93.0	200	0.981	
EXT DRO >C28-C36	<10.0	10.0	10/01/2024	ND					
Surrogate: 1-Chlorooctane	105 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	104 9	% 49.1-14	8						

Cardinal Laboratories \*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



#### Analytical Results For:

ENSOLUM TRACY HILLARD 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 10/01/2024 Reported: 10/02/2024 Sampling Date: 09/27/2024

Project Name:

RTFY 8021R

CORRAL CANYON 16-4 ST FED COM 126

Sampling Type: Soil

Project Number: 03C1558302

Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Project Location: XTO 32.12605, -103.98646

ma/ka

#### Sample ID: FS 19 2' (H245946-19)

BIEX 8021B	mg	/ kg	Analyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/01/2024	ND	1.93	96.6	2.00	3.65	
Toluene*	<0.050	0.050	10/01/2024	ND	2.00	100	2.00	3.66	
Ethylbenzene*	<0.050	0.050	10/01/2024	ND	2.02	101	2.00	3.22	
Total Xylenes*	<0.150	0.150	10/01/2024	ND	6.04	101	6.00	3.09	
Total BTEX	<0.300	0.300	10/01/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13-	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	10/02/2024	ND	416	104	400	7.41	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/01/2024	ND	190	94.8	200	0.0116	
DRO >C10-C28*	<10.0	10.0	10/01/2024	ND	186	93.0	200	0.981	
EXT DRO >C28-C36	<10.0	10.0	10/01/2024	ND					
Surrogate: 1-Chlorooctane	83.8	% 48.2-13-	4						
Surrogate: 1-Chlorooctadecane	83.5	% 49.1-14	8						

Analyzed By: 14

Cardinal Laboratories \*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results related only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keine



#### Analytical Results For:

ENSOLUM TRACY HILLARD 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 10/01/2024 Reported: 10/02/2024

CORRAL CANYON 16-4 ST FED COM 126

Project Number: 03C1558302

Project Location: XTO 32.12605, -103.98646

ma/ka

Sampling Date: 09/27/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

#### Sample ID: FS 20 2' (H245946-20)

Project Name:

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/01/2024	ND	1.93	96.6	2.00	3.65	
Toluene*	<0.050	0.050	10/01/2024	ND	2.00	100	2.00	3.66	
Ethylbenzene*	<0.050	0.050	10/01/2024	ND	2.02	101	2.00	3.22	
Total Xylenes*	<0.150	0.150	10/01/2024	ND	6.04	101	6.00	3.09	
Total BTEX	<0.300	0.300	10/01/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	10/02/2024	ND	416	104	400	7.41	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/02/2024	ND	190	94.8	200	0.0116	
DRO >C10-C28*	<10.0	10.0	10/02/2024	ND	186	93.0	200	0.981	
EXT DRO >C28-C36	<10.0	10.0	10/02/2024	ND					
Surrogate: 1-Chlorooctane	102	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	102	% 49.1-14	8						

Analyzed By: 14

Cardinal Laboratories \*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results related only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keine



#### Analytical Results For:

**ENSOLUM** TRACY HILLARD 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 10/01/2024 Sampling Date:

09/27/2024

Reported: Project Name: 10/02/2024

Sampling Type:

Soil

RTFY 8021R

CORRAL CANYON 16-4 ST FED COM 126

Sampling Condition: Sample Received By: Cool & Intact Shalyn Rodriguez

Project Number: Project Location: 03C1558302

ma/ka

XTO 32.12605, -103.98646

Sample ID: FS 21 2' (H245946-21)

B1EX 8021B	mg,	r Kg	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/01/2024	ND	1.93	96.6	2.00	3.65	
Toluene*	<0.050	0.050	10/01/2024	ND	2.00	100	2.00	3.66	
Ethylbenzene*	<0.050	0.050	10/01/2024	ND	2.02	101	2.00	3.22	
Total Xylenes*	<0.150	0.150	10/01/2024	ND	6.04	101	6.00	3.09	
Total BTEX	<0.300	0.300	10/01/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	384	16.0	10/02/2024	ND	416	104	400	7.41	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/02/2024	ND	190	94.8	200	0.0116	
DRO >C10-C28*	<10.0	10.0	10/02/2024	ND	186	93.0	200	0.981	
EXT DRO >C28-C36	<10.0	10.0	10/02/2024	ND					
Surrogate: 1-Chlorooctane	101 :	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	100	% 49.1-14	8						

Analyzed By: 14

#### Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



#### Analytical Results For:

**ENSOLUM** TRACY HILLARD 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 10/01/2024 Reported: 10/02/2024

CORRAL CANYON 16-4 ST FED COM 126

Project Number: 03C1558302

Project Location: XTO 32.12605, -103.98646 Sampling Date: 09/27/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Shalyn Rodriguez

#### Sample ID: FS 22 2' (H245946-22)

Project Name:

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/01/2024	ND	1.93	96.6	2.00	3.65	
Toluene*	<0.050	0.050	10/01/2024	ND	2.00	100	2.00	3.66	
Ethylbenzene*	<0.050	0.050	10/01/2024	ND	2.02	101	2.00	3.22	
Total Xylenes*	<0.150	0.150	10/01/2024	ND	6.04	101	6.00	3.09	
Total BTEX	<0.300	0.300	10/01/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	103 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	10/02/2024	ND	416	104	400	7.41	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/02/2024	ND	190	94.8	200	0.0116	
DRO >C10-C28*	<10.0	10.0	10/02/2024	ND	186	93.0	200	0.981	
EXT DRO >C28-C36	<10.0	10.0	10/02/2024	ND					
Surrogate: 1-Chlorooctane	79.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	77.6	% 49.1-14	8						

Cardinal Laboratories \*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



### Analytical Results For:

ENSOLUM TRACY HILLARD 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 10/01/2024 Reported: 10/02/2024

10/02/2024 CORRAL CANYON 16-4 ST FED COM 126

Project Name: CORRAL CAN Project Number: 03C1558302

Project Location: XTO 32.12605, -103.98646

Sampling Date: 09/27/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

### Sample ID: FS 23 2' (H245946-23)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/01/2024	ND	1.93	96.6	2.00	3.65	
Toluene*	<0.050	0.050	10/01/2024	ND	2.00	100	2.00	3.66	
Ethylbenzene*	<0.050	0.050	10/01/2024	ND	2.02	101	2.00	3.22	
Total Xylenes*	<0.150	0.150	10/01/2024	ND	6.04	101	6.00	3.09	
Total BTEX	<0.300	0.300	10/01/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	336	16.0	10/02/2024	ND	416	104	400	7.41	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/02/2024	ND	190	94.8	200	0.0116	
DRO >C10-C28*	<10.0	10.0	10/02/2024	ND	186	93.0	200	0.981	
EXT DRO >C28-C36	<10.0	10.0	10/02/2024	ND					
Surrogate: 1-Chlorooctane	103	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	99.0	% 49.1-14	8						

### Cardinal Laboratories \*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keine



### Analytical Results For:

ENSOLUM TRACY HILLARD 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 10/01/2024 Reported: 10/02/2024

CORRAL CANYON 16-4 ST FED COM 126

Project Number: 03C1558302

Project Location: XTO 32.12605, -103.98646

mg/kg

Sampling Date: 09/27/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

### Sample ID: FS 24 2' (H245946-24)

Project Name:

BTEX 8021B

DILX GOZID	11197	ng .	Alldiyzo	.u by. 511					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/01/2024	ND	1.93	96.6	2.00	3.65	
Toluene*	<0.050	0.050	10/01/2024	ND	2.00	100	2.00	3.66	
Ethylbenzene*	<0.050	0.050	10/01/2024	ND	2.02	101	2.00	3.22	
Total Xylenes*	<0.150	0.150	10/01/2024	ND	6.04	101	6.00	3.09	
Total BTEX	<0.300	0.300	10/01/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	ed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	10/02/2024	ND	416	104	400	7.41	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/02/2024	ND	190	94.8	200	0.0116	
DRO >C10-C28*	<10.0	10.0	10/02/2024	ND	186	93.0	200	0.981	
EXT DRO >C28-C36	<10.0	10.0	10/02/2024	ND					
Surrogate: 1-Chlorooctane	94.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	91.5	% 49.1-14	8						

Analyzed By: JH

Cardinal Laboratories \*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results related only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



### Analytical Results For:

ENSOLUM TRACY HILLARD 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 10/01/2024 Reported: 10/02/2024

CORRAL CANYON 16-4 ST FED COM 126

Project Name: CORRAL CAN Project Number: 03C1558302

Project Location: XTO 32.12605, -103.98646

mg/kg

Sampling Date: 09/27/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

### Sample ID: FS 25 2' (H245946-25)

BTEX 8021B

	9,	9	7	7 5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/01/2024	ND	1.93	96.6	2.00	3.65	
Toluene*	<0.050	0.050	10/01/2024	ND	2.00	100	2.00	3.66	
Ethylbenzene*	<0.050	0.050	10/01/2024	ND	2.02	101	2.00	3.22	
Total Xylenes*	<0.150	0.150	10/01/2024	ND	6.04	101	6.00	3.09	
Total BTEX	<0.300	0.300	10/01/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	10/02/2024	ND	416	104	400	7.41	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/02/2024	ND	190	94.8	200	0.0116	
DRO >C10-C28*	<10.0	10.0	10/02/2024	ND	186	93.0	200	0.981	
EXT DRO >C28-C36	<10.0	10.0	10/02/2024	ND					
Surrogate: 1-Chlorooctane	96.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	94.5	% 49.1-14	8						

Analyzed By: JH

Cardinal Laboratories \*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results related only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keine



### Analytical Results For:

**ENSOLUM** TRACY HILLARD 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 10/01/2024 Reported: 10/02/2024 Sampling Date: 09/27/2024 Sampling Type: Soil

Project Name:

CORRAL CANYON 16-4 ST FED COM 126

Project Number:

03C1558302

Sampling Condition: Cool & Intact Sample Received By: Shalyn Rodriguez

Project Location: XTO 32.12605, -103.98646

### Sample ID: FS 26 2' (H245946-26)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/01/2024	ND	1.93	96.6	2.00	3.65	
Toluene*	<0.050	0.050	10/01/2024	ND	2.00	100	2.00	3.66	
Ethylbenzene*	<0.050	0.050	10/01/2024	ND	2.02	101	2.00	3.22	
Total Xylenes*	<0.150	0.150	10/01/2024	ND	6.04	101	6.00	3.09	
Total BTEX	<0.300	0.300	10/01/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	'kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	10/02/2024	ND	416	104	400	7.41	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/02/2024	ND	190	94.8	200	0.0116	
DRO >C10-C28*	<10.0	10.0	10/02/2024	ND	186	93.0	200	0.981	
EXT DRO >C28-C36	<10.0	10.0	10/02/2024	ND					
Surrogate: 1-Chlorooctane	96.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	94.2	% 49.1-14	8						

### Cardinal Laboratories

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

\*=Accredited Analyte



### Analytical Results For:

**ENSOLUM** TRACY HILLARD 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 10/01/2024 Reported:

10/02/2024 CORRAL CANYON 16-4 ST FED COM 126

Project Name: Project Number: 03C1558302

Project Location: XTO 32.12605, -103.98646 Sampling Date: 09/27/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Shalyn Rodriguez

### Sample ID: FS 27 2' (H245946-27)

BTEX 8021B	mg,	'kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/01/2024	ND	1.93	96.6	2.00	3.65	
Toluene*	<0.050	0.050	10/01/2024	ND	2.00	100	2.00	3.66	
Ethylbenzene*	<0.050	0.050	10/01/2024	ND	2.02	101	2.00	3.22	
Total Xylenes*	<0.150	0.150	10/01/2024	ND	6.04	101	6.00	3.09	
Total BTEX	<0.300	0.300	10/01/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	'kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	10/02/2024	ND	416	104	400	7.41	
TPH 8015M	mg,	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/02/2024	ND	190	94.8	200	0.0116	
DRO >C10-C28*	<10.0	10.0	10/02/2024	ND	186	93.0	200	0.981	
EXT DRO >C28-C36	<10.0	10.0	10/02/2024	ND					
Surrogate: 1-Chlorooctane	84.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	82.3	% 49.1-14	8						

### Cardinal Laboratories \*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



### **Notes and Definitions**

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

\*\* Samples not received at proper temperature of 6°C or below.

\*\*\* Insufficient time to reach temperature.

- Chloride by SM4500Cl-B does not require samples be received at or below  $6^{\circ}\text{C}$ 

Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories \*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results related only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celeg D. Keene

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

CARDINAL Laboratories

101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476

Company Name	Company Name: Ensolum, LLC		I	1	1	1	1	1	1	1	1	ı		1																				'
Project Manager: Typy	Tracy Hillard	1					1			1					BILL TO					A	ANALYSIS	7	SI	S	유	2	REQUEST	1						
Address: 3122	=	(								5 1-		1		5																				
City: Carlsbad		State: NM	Zip: 88220	88	20					D (	<b>F</b>	A 1		Attn: Amy Ruth	Attn: Amy Ruth	IIIC.																		
Phone #: 575	937 3906	Fax #:								D	ద	Se	2	310	Address: 3104 E Green St	2																		
roject #: 63C	Project #: 63CL558 502	Project Owner: XTO	TXTC	٥				2		0	2	0	TIS I	City: Carlsbad	1	5																		
roject Name: (affa)	Company	16-4 St Fed COM	7 12	126H						S	ate	State: NM	3		Zip:88220																			
roject Location: 32.	7605	-10398646	- 1							U	5	0																			_			
Sampler Name:	CA KA									Π :	Fay #	Fay #.	7																					
FOR LAB USE ONLY				4		_	MATRIX	찅		1	ਚ <b>ੇ</b>	ij,	PRESERV	Š	SAMDI ING	ONE															_			
Lab I.D.	Sample I.D.	Depth (feet)	)RAB OR (C)C	CONTAINERS	ROUNDWATE	ASTEWATER	DIL	L	UDGE	HER:	ID/BASE:	E/COOL ~		HER:			Chlonides	TPH	BTEX															
-	F50	2	-	-	_	-	× 5	(	5	(	1	-	-		42772	220	<	1	1	+		T	1		+		+	1	+		+		+	L
ی	F502	-				_							- 8	_	_	3200	7	7	7	+					-		+		+		-		+	
W	FSOS															07870		+		+							-		-				+	
ع	Eson															0000				-					-		+		+				+	
N	F505												-			3				-					-		-		-				+	
6	F506															0110				-							+		+					
7	L894											_				02.0									-		-		+				+	
	808											_				52.60				-					-		-		1				-	
51	FSOG	-	-													0940				-													-	
EASE NOTE: Liability and	Damages. Cardinal's liability and	Client's exclusive remady for an	2	F		-	X					1			12724 C	3410	X.	8	Ø															
alyses. All claims including vice. In no event shall Car liates or successors arising	alyses. All claims including those for negligence and any other cause whatsover shall be deemed walved unless made in writing and received by Cardinal within 30 days after completion of the applicable. In no event shall Cardinal be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, liables or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claims is based unon any of the above stated reasons or consequently.	The description of the second	y claim ar eemed wa without lin	aived unitation	unless n, bus ss of v	er bas s mad siness wheth	le in w	uptio	and aim is	receises of	, sha wed t	y Ca or lo	limite rdina ss of	d to with	the amount paid b nin 30 days after o ts incurred by clie	y the client for the ompletion of the nt, its subsidiaries	e applicable										1		1		t		1	L
cilliquisited by:	Sold Market	Date:	Received By:	ive	OB	×	2	2	1							Verbal Result: ☐ Yes ☐ No ☐ Add'l Phone #: All Results are emailed. Please provide Email address:	ult:	☐ Yes	☐ No Please pro	o Ad	Add'l Phone #: ide Email addres	ho!	ne #	SSS										Ш
elinguished By:		) Sao		0	steamyn	20	7	2	1		7	7	/	1	)	Hillard	(2	ensolu	@ensolum.com, TMorrissey@ensolum.com, kthomason@ensolum.com	TMorris	ssey	00	nso	lum	CO	7,	tho	mas	on	@en	Isol	um.	con	3
omique by		Time:	Received By:	ive	d B	*								C		REMARKS: APP 2535250754 Incident: NAPP 2535250754 Cost Center:	APP	20 mg	223	2510														
elivered By: (Circle One) ampler - UPS - Bus - Other:		Observed Tamp. °C/ 35	200	4	CS	Sample Condition Cool Intact	le C	tac	₹ / E	/ 5	^	오	金田	ECKED ( (Initials)	8Y:	Turnaround Time: Standard	Time:	+	Standa	X <sub>Q</sub>	_	Bac	Bacteria (on Cool Intact	a (o	nly)	Sa	Bacteria (only) Sample Condition	Vec	ond Te	ition	cc			
			100	1	7		5 6	JL	00		_	0	10	ı	)=	nermometer	D #	4	200			Ĉ	☐Yes ☐ Yes	4	es									_

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

HYes Yes

Observed Temp. °C
Corrected Temp. °C

### CARDINAL Laboratories 101 East Marland, Hobbs, NM 88240

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Sample I.D.	OTHER: ACID/BASE: PRESERV. PRESERV. PRESERV. OTHER: PRESERV. OTHER: PRESERV. OTHER: PRESERV. OTHER: PRESERV.	TIME VS Inc.	TPH  ** BTEX	ANALYSIS REQUEST
National Parks Hwy  State: NM Zip: 88220  937 3906 Fax #:  1558 307 Project Owner: XTO  Project Owner: XTO	P.O. #:  Company: XTO E  Attn: Amy Ruth  Address: 3104 E  City: Carlsbad  State: NM Zip:  PRESERV.  PRESERV.  OTHER:	TIME Chlorides		
National Parks Hwy  State: NM Zip: 88220  937 3906 Fax #:  Project Owner: XTO  Project	OTHER: Acid/Base: Presserv.  OTHER: Acid/Base: Presserv.  OTHER: Dr.  OTHER: Presserv.  OTHER: Dr.  OT	TIME Chlorides		
State: NM Zip: 88220  937 3906 Fax #:  Project Owner: XTO  MATRIX  Project Owner: XTO	OTHER: Address: 3104 E  City: Carlsbad  State: NM Zip: PRESERV. OTHER: OTHER: PRESERV. OTHER: OTHER: PRESERV. OTHER: OTHE	The State of the s		
Sample I.D.   Containers   Cont	OTHER:  ACID/BASE:  PRESERV.  OTHER:  OTHER:  OTHER:  PRESERV.  OTHER:  D.  OTHER:  OTHER:  PRESERV.	TIME TIME TO SE		
Sample I.D. Depth (feet) PSIN PSIN PSIN PSIN PSIN PSIN PSIN PSIN	OTHER:  ACID/BASE: PRESERV.  PRESERV.  OTHER:  OTHER:  PRESERV.  PRESERV.  OTHER:  D.  OTHER:  D.  OTHER:  D.  OTHER:  PRESERV.  PRESERV.  PRESERV.  OTHER:  D.  O	TIME TIME Chlorides		
Sample I.D. Depth Street Com 1264  Sample I.D. Geet)  FS12  FS12  FS13  FS14  Soundwater  Wastewater  Wastewater  Wastewater  Sould  Sludge	OTHER:  ACID/BASE: PRESERV.  OTHER:  OTHER:  PRESERV.  D.	TIME TO Chlorides		
Sample I.D. Depth (feet) Ph. Fall Ph. F	OTHER:  ACID/BASE: PRESERV.  ICE / COOL OTHER:  OTHER:	TIME Chlorides		
Sample I.D. Depth (C)OMP.  Siz Containers GROUNDWATER WASTEWATER WASTEWATER OIL SLUDGE OTHER:	OTHER:  ACID/BASE:  PRESERV  OTHER:  OTHER:	TIME TIME Chlorides		
Sample I.D. Depth (feet) Depth (feet) MATRIX  SSIS  SOIL  OIL  SLUDGE  OTHER:	OTHER:  ACID/BASE:  ICE / COOL  OTHER:  OTHER:	TIME TIME TO Chlorides		
Sample I.D. (feet)  CSIC  CSIC  CSIC  CSIC  CONTAINERS  GROUNDWATER  WASTEWATER  WASTEWATER  OIL  SLUDGE  OTHER:	OTHER:  ACID/BASE:  ICE / COOL  OTHER:	TIME STATE OF THE		
(G)RAB O  # CONTAI  GROUND  WASTEW  SOIL  OIL  SLUDGE  OTHER:	OTHER:  ACID/BASE ICE / COOI  OTHER:	110 8 8 50 mm Chlon		
25   2   2   2   2   2   2   2   2   2		-=-500	X	
300,000				
m 7 7 7		1110		
		1110		
1-11-		5111		
8 1 S		170		
7		752		
PLEASE NOTE: Liability and Damanus Cardinals Liability and	70 9.27.24	1330	X -	
those for negligence and any other cause whatsoever shall be deemed waived unless and fine the cause whatsoever shall be deemed waived unless and final be liable for incidental or consequental damages, including without limitation, busines out of or related to the performance of services hereunder by Cardinal, regardless of whe	ased in contract or tort, shall be limited to the amount paide in writing and received by Cardinal within 30 days after interruptions, loss of use, or loss of profits incurred by the statch claim is based upon any of the	aid by the client for the fler completion of the applicable y client, its subsidiaries,		
		Verbal Result:	☐ Yes ☐ No nailed. Please pro	All Results are emailed. Please provide Email address:
Relinquished By:  Date: Received By:	June	REMARKS: APP 2	nsolum.com, TM	@ensolum.com, TMorrissey@ensolum.com, kthomason@ensolum.com P 2335250134
		Took Conton	235250734	
Sampler - UPS - Bus - Other: Corrected Temp. CA Cool Intact	tion CHECKED BY:	COST CENTEL:	335250	



### CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

3 of 3

Company Name: Ensolum, LLC	solum, LLC														BILL TO	4	2								6	5		31			1	1	1	1	-	1
Project Manager: Tracy	racy Hillard	4								P.O. #:	9	*	- II				1		1	1	1	1	AINALTOIS	-  F	0	10	12	KEWUESI	IS	70	1-	1	1	1	1	4
Address: 3122 National Parks Hwy	onal Parks Hwy									8	3	an l	<	3	5	Eng	2	Company: XTO Energy Inc						_								1				
City: Carlsbad		State: NM	Zip: 88220	88	20					Attn: Amy Ruth		A	5	D	3											_		_								
Phone #: 575 9:	937 3906	Fax #:								Ad	dre	SS	w	0	E I	G	Address: 3104 E Green St	2			-		_													
Project #: 63CL558	28 85	Project Owner: XTO	TX	0						City: Carlshad	<	Ca	70	52	2																					
Project Name: (africa) (amyen)		16-4 S+ Fed GM		1264						State: NM	te '	Z	3		Zin:88220	00	220																	7-17		
Project Location: 32, 12605		-10398646								Phone #:	one	#	.		-																					
Sampler Name: 3	V "									Fax #:	#								_					_												
FOR LAB USE ONLY	-			4	1	3	MATRIX	Ř	L		别:	PRESERV	핆	4	1	2	S S	SAMPI ING	_					_												_
			COLUMN DESCRIPTION	-	R	-					1	- 1	- 5	-		5																				
Lab I.D. S	Sample I.D.	Depth (feet)	3)RAB OR (C)O	CONTAINERS	ROUNDWATER	OIL	IL		LUDGE	THER:	CID/BASE:	E/COOL	THER:	INEK:	,				Chlorides	TPH	BTEX							(376) P. (5.1)		Market I and						
ATT.	72	2	-		-	-	-	-	-	-	A	5 10	-		2775	2125	-	JEST	1	1		T	t	+		$^{+}$	1	T	1	T				T		+
aa	225	_	-(		-		-	-	-			- 7			6	-	_	1240	7	->	- X															+
23	5253				-				-					-				7872	-	-	+	T		+											1	-
	624							-	-					-				025		-	-		1	+												-
	5575								-	_		-					-	236		-			1													+
	F526	_	-											-				कि		-	1															-
	125	12	0	-		X			-			1		0	0.2724	12		Sohi	×	N	X															
																																		21	SAL	- VV
PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be demonst waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is beset income and feed.	ability and Damages. Cardinal's liability and clie s including those for negligence and any other o t shall Cardinal be liable for incidental or conseq ors arising out of or related to the performance.	Int's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the an cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 quental damages, including without limitation, business interruptions, loss of use, or loss of profits into displayments of the shall be	claim averned without lindingly re	rising waived unitation	hethe nless busin	r base made ness in	d in co	ontrac ing ar tions,	tor to do not recommend re	ort, s	hall I	Card Card	nited linal of p	with	he am in 30 c	ount p days a med b	paid b ifter or	by the client for to completion of the ent, its subsidiarie	r the he applicable ries,	0																
anh	the state of the s	C C: Shuil	Xeceived By:	Soldoni	200	5.	10	9	7		,			410				Verbal Result: ☐ Yes ☐ No Add'I Phone #: All Results are emailed. Please provide Email address:	s are em	☐ Yes	Pleas	□ No	Add'l Phone #:	Pho lail a	ne	res:										
Relinquished By:		9	Received By:	ive	B	(	1		2	2		a					0==	REMARKS: APP Incident: MAPP Cost Center:	APP C	23	235250734	07 N	@ensolum.com, TMorrissey@ensolum.com, kthomason@ensolum.com  P 2535750134	ě	ans.	음	m.c	e e	4	mom	as	one	en	solu	i i	CO
Sampler - UPS - Bus - Other		Corrected Temp. COTE	75/	1	Sample Condition Cool Intact Pes H Yes No No	Sample Condition Cool Intact  Wes H Yes No No	□ <u>₩</u> 8	N TO THE	o s lion	^	8)	一当	ECKED	tial fi	CHECKED BY:	1	र्म न	Turnaround Time:	nd Time:	13	Standard Rush	dard	_)X(_	Bacteria (on Cool Intact	Yes	그라 하	Bacteria (only	y) s	Obam	ole	Cor	Bacteria (only) Sample Condition Cool Intact Observed Temp. ℃	np.	റ്		
		† Cardinal cannot accept verbal changes. Please email changes to celey keene@cardinallabsnm.com	not:	acce	pt	vert	a	cha	eng	es.	P	eas	se	en	nail	cha	ang	es to ce	ley.kee	ne@	cardin	allabo	snm.co	<b>å</b>  :	1		1		6	G	160	corrected lemp. C	mp.	c		1



October 02, 2024

TRACY HILLARD
ENSOLUM
3122 NATIONAL PARKS HWY
CARLSBAD, NM 88220

RE: CORRAL CANYON 16-4 ST FED COM 126H

Enclosed are the results of analyses for samples received by the laboratory on 10/01/24 13:20.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at <a href="https://www.tceq.texas.gov/field/ga/lab">www.tceq.texas.gov/field/ga/lab</a> accred certif.html.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2 Haloacetic Acids (HAA-5)
Method EPA 524.2 Total Trihalomethanes (TTHM)
Method EPA 524.4 Regulated VOCs (V1, V2, V3)

Celey D. Keine

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



### Analytical Results For:

**ENSOLUM** TRACY HILLARD 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 10/01/2024 Sampling Date: 09/27/2024 Reported: 10/02/2024 Sampling Type: Soil

Project Name: CORRAL CANYON 16-4 ST FED COM 126 Sampling Condition: Cool & Intact

Project Number: 03C1558302 Sample Received By: Shalyn Rodriguez

Project Location: XTO 32.12605, -103.98646

### Sample ID: SW 01 0-2 (H245945-01)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/01/2024	ND	2.13	107	2.00	1.17	
Toluene*	<0.050	0.050	10/01/2024	ND	2.07	104	2.00	0.168	
Ethylbenzene*	<0.050	0.050	10/01/2024	ND	2.13	106	2.00	0.462	
Total Xylenes*	<0.150	0.150	10/01/2024	ND	6.35	106	6.00	0.478	
Total BTEX	<0.300	0.300	10/01/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	10/02/2024	ND	416	104	400	7.41	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/01/2024	ND	178	88.9	200	3.40	
DRO >C10-C28*	<10.0	10.0	10/01/2024	ND	168	83.9	200	3.11	
EXT DRO >C28-C36	<10.0	10.0	10/01/2024	ND					
Surrogate: 1-Chlorooctane	109	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	108	% 49.1-14	8						

Cardinal Laboratories \*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



### Analytical Results For:

ENSOLUM TRACY HILLARD 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 10/01/2024 Reported: 10/02/2024

CORRAL CANYON 16-4 ST FED COM 126

Project Number: 03C1558302

Project Location: XTO 32.12605, -103.98646

Sampling Date: 09/27/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

### Sample ID: SW 02 0-2 (H245945-02)

Project Name:

RTFY 8021R

BIEX 8021B	mg	/ <b>kg</b>	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/01/2024	ND	2.13	107	2.00	1.17	
Toluene*	<0.050	0.050	10/01/2024	ND	2.07	104	2.00	0.168	
Ethylbenzene*	<0.050	0.050	10/01/2024	ND	2.13	106	2.00	0.462	
Total Xylenes*	<0.150	0.150	10/01/2024	ND	6.35	106	6.00	0.478	
Total BTEX	<0.300	0.300	10/01/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	10/02/2024	ND	416	104	400	7.41	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/01/2024	ND	178	88.9	200	3.40	
DRO >C10-C28*	<10.0	10.0	10/01/2024	ND	168	83.9	200	3.11	
EXT DRO >C28-C36	<10.0	10.0	10/01/2024	ND					
Surrogate: 1-Chlorooctane	111	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	111	% 49.1-14	8						

Applyzod By: 14

Cardinal Laboratories \*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



### Analytical Results For:

ENSOLUM TRACY HILLARD 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 10/01/2024 Reported: 10/02/2024

10/02/2024 CORRAL CANYON 16-4 ST FED COM 126

Project Name: CORRAL CAN Project Number: 03C1558302

Project Location: XTO 32.12605, -103.98646

Sampling Date: 09/27/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

### Sample ID: SW 03 0-2 (H245945-03)

RTFY 8021R

BIEX 8021B	mg	/ <b>kg</b>	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/01/2024	ND	2.13	107	2.00	1.17	
Toluene*	<0.050	0.050	10/01/2024	ND	2.07	104	2.00	0.168	
Ethylbenzene*	<0.050	0.050	10/01/2024	ND	2.13	106	2.00	0.462	
Total Xylenes*	<0.150	0.150	10/01/2024	ND	6.35	106	6.00	0.478	
Total BTEX	<0.300	0.300	10/01/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	10/02/2024	ND	416	104	400	7.41	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/01/2024	ND	178	88.9	200	3.40	
DRO >C10-C28*	<10.0	10.0	10/01/2024	ND	168	83.9	200	3.11	
EXT DRO >C28-C36	<10.0	10.0	10/01/2024	ND					
Surrogate: 1-Chlorooctane	105	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	104	% 49.1-14	8						

Applyzod By: 14

Cardinal Laboratories \*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



09/27/2024

### Analytical Results For:

ENSOLUM TRACY HILLARD 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 10/01/2024 Sampling Date:

Reported: 10/02/2024 Sampling Type: Soil

Project Name: CORRAL CANYON 16-4 ST FED COM 126 Sampling Condition: Cool & Intact
Project Number: 03C1558302 Sample Received By: Shalyn Rodriguez

Project Location: XTO 32.12605, -103.98646

### Sample ID: SW 04 0-2 (H245945-04)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/01/2024	ND	2.13	107	2.00	1.17	
Toluene*	<0.050	0.050	10/01/2024	ND	2.07	104	2.00	0.168	
Ethylbenzene*	<0.050	0.050	10/01/2024	ND	2.13	106	2.00	0.462	
Total Xylenes*	<0.150	0.150	10/01/2024	ND	6.35	106	6.00	0.478	
Total BTEX	<0.300	0.300	10/01/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	368	16.0	10/02/2024	ND	416	104	400	7.41	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/01/2024	ND	178	88.9	200	3.40	
DRO >C10-C28*	<10.0	10.0	10/01/2024	ND	168	83.9	200	3.11	
EXT DRO >C28-C36	<10.0	10.0	10/01/2024	ND					
Surrogate: 1-Chlorooctane	112	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	112	% 49.1-14	8						

### Cardinal Laboratories \*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results related only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keine



### Analytical Results For:

ENSOLUM TRACY HILLARD 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 10/01/2024 Reported: 10/02/2024

10/02/2024 Samp CORRAL CANYON 16-4 ST FED COM 126 Samp

Project Number: 03C1558302

Project Location: XTO 32.12605, -103.98646

Sampling Date: 09/27/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

### Sample ID: SW 05 0-2 (H245945-05)

Project Name:

RTFY 8021R

BIEX 8021B	mg,	/кд	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/01/2024	ND	2.13	107	2.00	1.17	
Toluene*	<0.050	0.050	10/01/2024	ND	2.07	104	2.00	0.168	
Ethylbenzene*	<0.050	0.050	10/01/2024	ND	2.13	106	2.00	0.462	
Total Xylenes*	<0.150	0.150	10/01/2024	ND	6.35	106	6.00	0.478	
Total BTEX	<0.300	0.300	10/01/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3040	16.0	10/02/2024	ND	416	104	400	7.41	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/01/2024	ND	178	88.9	200	3.40	
DRO >C10-C28*	<10.0	10.0	10/01/2024	ND	168	83.9	200	3.11	
EXT DRO >C28-C36	<10.0	10.0	10/01/2024	ND					
Surrogate: 1-Chlorooctane	121	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	123	% 49.1-14	8						

Applyzod By: 14

Cardinal Laboratories \*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



### Analytical Results For:

ENSOLUM TRACY HILLARD 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 10/01/2024 Reported: 10/02/2024

CORRAL CANYON 16-4 ST FED COM 126

Project Number: 03C1558302

Project Location: XTO 32.12605, -103.98646

Sampling Date: 09/27/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

### Sample ID: SW 06 0-2 (H245945-06)

Project Name:

RTFY 8021R

B1EX 8021B	mg	/кд	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/01/2024	ND	2.13	107	2.00	1.17	
Toluene*	<0.050	0.050	10/01/2024	ND	2.07	104	2.00	0.168	
Ethylbenzene*	<0.050	0.050	10/01/2024	ND	2.13	106	2.00	0.462	
Total Xylenes*	<0.150	0.150	10/01/2024	ND	6.35	106	6.00	0.478	
Total BTEX	<0.300	0.300	10/01/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	480	16.0	10/02/2024	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/01/2024	ND	178	88.9	200	3.40	
DRO >C10-C28*	135	10.0	10/01/2024	ND	168	83.9	200	3.11	
EXT DRO >C28-C36	15.5	10.0	10/01/2024	ND					
Surrogate: 1-Chlorooctane	99.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	105	% 49.1-14	8						

Applyzod By: 14

Cardinal Laboratories \*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



### Analytical Results For:

ENSOLUM TRACY HILLARD 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 10/01/2024

Sampling Date: 09/27/2024

Reported: 10/02/2024
Project Name: CORRAL CANYON 16-4 ST FED COM 126

Sampling Type: Soil

Project Number: 03C1558302

Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Project Location: XTO 32.12605, -103.98646

### Sample ID: SW 07 0-2 (H245945-07)

BTEX 8021B	mg,	'kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/01/2024	ND	2.13	107	2.00	1.17	
Toluene*	<0.050	0.050	10/01/2024	ND	2.07	104	2.00	0.168	
Ethylbenzene*	<0.050	0.050	10/01/2024	ND	2.13	106	2.00	0.462	
Total Xylenes*	<0.150	0.150	10/01/2024	ND	6.35	106	6.00	0.478	
Total BTEX	<0.300	0.300	10/01/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	10/02/2024	ND	416	104	400	3.77	
TPH 8015M	mg,	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/01/2024	ND	178	88.9	200	3.40	
DRO >C10-C28*	<10.0	10.0	10/01/2024	ND	168	83.9	200	3.11	
EXT DRO >C28-C36	<10.0	10.0	10/01/2024	ND					
Surrogate: 1-Chlorooctane	109	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	109	% 49.1-14	8						

Cardinal Laboratories \*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results related only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celeg & Freene



### **Notes and Definitions**

QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS

ecovery.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

\*\* Samples not received at proper temperature of 6°C or below.

\*\*\* Insufficient time to reach temperature.

- Chloride by SM4500Cl-B does not require samples be received at or below 6°C

Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories \*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene

101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476

### CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

	(010) 000 2020								
Company Name: Ensolum, LLC	Ensolum, LLC			BILL TO	0		1	ANALTSIS REQUEST	1
Project Manager: Trocy	Tracy Hillard			P.O. #:					
Address: 3122 Na	Address: 3122 National Parks Hwy			Company: XTO Energy Inc.	argy Inc.				
City: Carlsbad		State: NM	Zip: 88220	Attn: Amy Ruth					
Phone #: 575 937	937 3906	Fax #:		Address: 3104 E Green St	reen St				
Project #: 63C1558 507		Project Owner: XTO	: XTO	City: Carlsbad					
Project Name: (af Va ( Juny an)		16-4 S+ Fed COM	1 1264	State: NM Zip:88220	3220				
Project Location: 32. 12605		-10398646		Phone #:					
Sampler Name:	Joshua Boyley			Fax #:					
FOR LAB USE ONLY			P. MATRIX	PRESERV.	SAMPLING				
Lab I.D.	Sample I.D.	Depth (feet)	E)RAB OR (C)OMF CONTAINERS ROUNDWATER PASTEWATER OIL	THER: CID/BASE: CE / COOL THER:	TIME	Chlondes	TPH	DIPA	
- 0	N SIMO!	1-0-12	- #	×	0211 12	メ	X		
v-	COV02	- New	-		114	-			
3	50M5	3/8			1315				
4	Lomb.	CW2			1210				
v	Some	V2/2/			פואו				
e	SWOP	BKK4	-		る方	4			
7	Loms	1.0000-2	-	W 75/37	04 II PE	>	×		- S&C
PLEASE NOTE: Liability ar analyses. All claims includi service. In no event shall C	nd Damages. Cardinal's liability and ng those for negligence and any oth ardinal be liable for incidental or cor	client's exclusive remedy for er cause whatsoever shall by sequental damages, includit	PLEASE NOTE: Lability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or fort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waiwed unless made in writing and received by Cardinal within 30 days after completion of the applications. Service, in no event shall Cardinal be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, service.	ract or tort, shall be limited to the am g and received by Cardinal within 30 ones, loss of use, or loss of profits incur	ount paid by the client for a ays after completion of the red by client, its subsidiari	the le applicable les,			
Relinquished By:	ns arising out of or related to the performance of By:	Date: 34	Date: 34 Received By: Time: 230 SPOOK ONCU	greet		sare em:	☐ Yes lailed. Plu gensolum	Verbal Result: ☐ Yes ☐ No Add'I Phone #: All Results are emailed. Please provide Email address: THINAVA @ensolum.com, TMorrissey@ensolum.com, kthomason@ensolum.com	son@ensolum.com
Relinquished By:	y:	Date:	Received By:	C	Incident: Cost Center:	S: APP	28.82	12	
Delivered By: (Circle One)		Observed Temp. °C	Sample Condition Cool Intact Cool Yes 1 Yes	ct (Initials)	A	ound Time:	#	Bacteria (only) S Cool Intact	ample Condition Observed Temp. °C
Sampler - UPS - Bus - Other:		Corrected Temp. CO.	1	No OT	Correction Factor	Factor -0	25°C -		d Temp. °C



Appendix C April 5, 2024 *Remediation Work Plan* 



April 5, 2024

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

Re: Remediation Work Plan

Corral Canyon 16-4 St Fed Com 126H Incident Number NAPP2335250734 Eddy County, New Mexico

To Whom It May Concern:

Ensolum, LLC (Ensolum), on behalf of XTO Energy, Inc. (XTO), has prepared the following *Remediation Work Plan (Work Plan)* to document site assessment and delineation activities completed to date and proposes remedial actions to address impacted and waste-containing soil identified at the Corral Canyon 16-4 St Fed Com 126H (Site). The purpose of the Site assessment and delineation activities was to determine the presence or absence of impacted soil resulting from a release of produced water at the Site. The following *Work Plan* proposes to excavate impacted and waste-containing soil and requests a Closure Criteria variance.

### SITE DESCRIPTION AND RELEASE SUMMARY

The Site is located in Unit O, Section 16, Township 25 South, Range 29 East, in Eddy County, New Mexico (32.12605°, -103.98646°) and is associated with oil and gas exploration and production operations on State Trust Land (STL) managed by the New Mexico State Land Office (NMSLO).

On December 8, 2023, a 2-inch Chiksan® joint in the flowback iron washed out during flowback operations, resulting in the release of 14.6 barrels (bbls) of produced water onto the surface of the well pad. A vacuum truck was dispatched to the Site to recover free standing fluids, and approximately 12.0 bbls of released fluids were recovered. XTO reported the release to the New Mexico Oil Conservation Division (NMOCD) via email and submitted a Release Notification Form C-141 (Form C-141) on December 18, 2023. The release was assigned Incident Number NAPP2335250734.

Since the release remained on pad and inside the lined containment area, the Site is exempt from the Cultural Properties Protection Rule (CPP). As such no additional cultural resource surveys were completed in connection with this release.

### SITE CHARACTERIZATION AND CLOSURE CRITERIA

The Site was characterized to assess the applicability of Table I Closure Criteria for Soils Impacted by a Release, of Title 19, Chapter 15, Part 29 (19.15.29) of the New Mexico Administrative Code (NMAC). Results from the characterization desktop review are presented below.

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

Depth to groundwater at the Site is estimated to be greater than 100 feet below ground surface (bgs) based on the nearest groundwater well data. The closest permitted groundwater well with depth to groundwater data is United States Geological Survey (USGS) well 320739103584201, located approximately 0.46 miles northeast of the Site. The groundwater well's most recently reported depth to groundwater measurement was collected on January 29, 1998, at 140 feet bgs. The total depth of the well is 192 feet bgs. All wells used for depth to groundwater determination are presented on Figure 1. The referenced well records are included in Appendices A.

The closest continuously flowing or significant watercourse to the Site is a seasonal dry wash, located approximately 760 feet west of the Site. The Site is greater than 200 feet from any lakebed, sinkhole, or playa lake and greater than 300 feet from an occupied residence, school, hospital, institution, church, or wetland. The Site is greater than 1,000 feet to a freshwater well or spring and is not within a 100-year floodplain or overlying a subsurface mine. The Site is not underlain by unstable geology (medium potential karst designation area). Potential Site receptors are identified on Figure 1.

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

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

The NMOCD prefers the nearest depth to groundwater measurement used to determine Closure Criteria be less than 25 years old and within ½ mile of the Site. The USGS water well data is within ½ mile, but 26 years old. Based on the lack of sensitive receptors at the Site, the Site not being underlain by unstable geology, and nearby depth to groundwater data estimating regional depth to groundwater to be greater than 100 feet bgs in multiple directions of the Site, XTO is requesting a variance for the preferred age of the nearest depth to groundwater data guideline. The nearest depth to groundwater data includes:

- The above-mentioned groundwater well USGS 320739103584201 with a recorded depth to groundwater of 140 feet bgs on January 29, 1998, and located 0.46 miles northeast of the Site;
- Groundwater well USGS 320719103584601 with a recorded depth to groundwater of 165 feet bgs, last recorded January, 1977. Located 0.47 miles southeast of the Site;
- Soil boring C-04503, permitted by New Mexico Office of the State Engineer (NMOSE) and located 0.91 miles northwest of the Site, was a soil boring completed completed to determine depth to water on April 19, 2021. The soil boring was drilled via hollow-stem auger and advanced to a depth of 110 feet bgs. No groundwater was encountered during the drilling and the borehole was dry; and
- NMOSE monitoring well C-2371 located 0.72 miles east of the Site with a recorded depth to groundwater of 60 feet bgs, last measured in January 1995. The total depth of the well was 200



feet bgs and groundwater was first encountered at 162 feet bgs, indicating the presence of a confined aquifer. The actual depth to groundwater is 162 feet.

While both USGS water wells are older than the NMOCD preferred age for reference data, historical data from the wells demonstrate depth to groundwater was consistently ±1-foot bgs over a 15-year period for well 320739103584201 and ±5 feet bgs over a 19-year period for well 320719103584601. Additionally, well 320739103584201 only exceeds the NMOCD recommended age of depth to groundwater data by 15 months. The next nearest data is from well C-2371, and although the most recent depth to groundwater measurement was recorded as 60 feet bgs, the aquifer appears to be confined based on the well record and log stating the water bearing zone occurred between 162 feet to 200 feet bgs. Lastly, soil boring C-4503, located 0.91 miles northwest of the Site, was dry to 110 feet bgs in April 2021. The regional depth to groundwater data mentioned above is historically and laterally consistent and, therefore, equally protective of the public, the environment, and groundwater as compared to the preferred guideline for age (less than 25 years) and range (½ mile) of referenced water well data. Ensolum believes the data listed above can reasonably and accurately be used to estimate depth to groundwater at the Site to be greater than 100 feet bgs. Based on the above-mentioned findings, XTO requests NMOCD consider a variance for use of water well data that is greater than 25 years old for estimating of depth to groundwater. All Well Logs used for the depth to groundwater investigation are included in Appendix A.

### SITE ASSESSMENT ACTIVITIES

On January 19, 2024, Ensolum personnel conducted a Site assessment to evaluate the release extent based on information provided on Form C-141, information provided by XTO, and visual observations. Four delineation soil samples (SS01 through SS04) were collected at a depth of 0.5 feet bgs to investigate the release extent area. The delineation soil samples were field screened for volatile organic compounds (VOCs) utilizing a calibrated photoionization detector (PID) and chloride using Hach<sup>®</sup> chloride QuanTab<sup>®</sup> test strips. The release extent area was mapped utilizing a handheld Global Positioning System (GPS) unit and is depicted on Figure 2. A Photographic Log of the release extent and Site conditions is included in Appendix B.

The delineation soil samples were placed directly into pre-cleaned glass jars, labeled with the location, date, time, sampler name, method of analysis, and immediately placed on ice. The soil samples were transported under strict chain-of-custody procedures to Eurofins Laboratories (Eurofins) in Carlsbad, New Mexico, for analysis of the following constituents of concern (COCs): BTEX following United States Environmental Protection Agency (EPA) Method 8021B; TPH-GRO, TPH-DRO, and TPH-oil range organics (ORO) following EPA Method 8015M/D; and chloride following EPA Method 300.0. Soil samples delivered to the laboratory the same day they are collected may not have equilibrated to the 6 degrees Celsius required for shipment and long term storage but are considered by the laboratory to have been received in acceptable condition.

Based on laboratory analytical results from delineation soil samples SS01 through SS04, impacted and waste-containing soil was identified within the release extent area. Therefore, additional delineation activities are warranted.

### **DELINEATION SOIL SAMPLING ACTIVITIES**

On January 29, 2024, Ensolum returned to the Site to oversee subsurface delineation activities. Four potholes (PH01 through PH04) were advanced to 2 feet bgs by a backhoe to investigate the vertical extent of the release. Potholes PH01 through PH04 were advanced in the vicinity of the locations of soil



samples SS01 through SS04, respectively. Discrete delineation soil samples were collected from the terminal depth of each pothole at 2 feet bgs. Eight discrete soil samples (SS05 through SS12) were collected outside the release extent at a depth of 0.5 feet bgs to define the lateral extent of the release. All delineation soil samples were field screened, handled, and submitted to Eurofins for analysis of the same COCs as described above. The delineation soil sample locations were mapped utilizing a handheld GPS unit and are depicted on Figure 2. A photographic log of delineation activities is included in Appendix B. Field screening results and observations for all potholes were logged on lithologic/soil sampling logs, which are included in Appendix C.

### LABORATORY ANALYTICAL RESULTS

Laboratory analytical results for delineation soil sample SS01, collected at 0.5 feet bgs, indicated TPH-GRO/TPH-DRO and chloride concentrations exceeded the Closure Criteria. This was the only delineation soil sample containing COC concentrations exceeding Closure Criteria. However, chloride concentrations in soil samples SS01 through SS04 and TPH concentrations in soil samples SS01, SS02, and SS03 contained COC concentrations exceeding the reclamation requirement. Laboratory analytical results for all other delineation soil samples collected indicated COC concentrations were in compliance with the Closure Criteria and the reclamation requirement. This includes PH01 through PH04, collected at 2 feet bgs, which defines the release vertically, and SS05 through SS12, which defines the release laterally. Laboratory analytical results for all delineation soil samples indicated no benzene or BTEX concentrations were detected in any samples. Laboratory analytical results are summarized in Table 1 and the complete laboratory analytical report is included in Appendix D.

### PROPOSED REMEDIATION WORK PLAN

Site assessment and delineation activities were conducted at the Site to assess for the presence or absence of impacted soil resulting from a release of produced water. Based on laboratory analytical results, impacted and waste-containing soil exists across an approximate 7,828 square-foot area within the release footprint at depths ranging from the pad surface to approximately 1-foot bgs. Vertical definition to the Closure Criteria and reclamation requirement was achieved in all potholes. The lateral extent of the release is defined through laboratory analytical results of soil samples SS05 through SS12.

XTO proposes to remove impacted and waste-containing soil identified at the Site. The proposed excavation extent is depicted on Figure 3. Following the removal of impacted soil, confirmation samples will be collected at a sampling frequency of every 200 square feet along the floor and sidewalls of the final excavation extent. Based on delineation soil sample laboratory analytical results, Ensolum anticipates the excavation to extend to a depth of approximately 1.5 feet bgs. The soil samples will be handled and analyzed for the same COCs as described above.

An estimated 450 cubic yards of soil will be removed. The excavated soil will be transferred to a permitted landfill facility for disposal. The excavation will be backfilled and recontoured to match pre-existing Site conditions. Due to an XTO health and safety policy regarding mechanical excavation near active wellheads, a 10-foot buffer will be applied around each wellhead. Confirmation sidewall samples will be collected around the active wellheads.

XTO believes this *Work Plan* is protective of human health, the environment, and groundwater. As such, XTO requests approval of this *Work Plan* and variance by NMOCD. XTO will complete the excavation and soil sampling activities within 90 days of the date of approval of this *Work Plan* by the NMOCD or within 90 days of when XTO operations are discharged from the Site, whichever comes first. If you have



S.J. Delill

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

Sincerely, **Ensolum**, **LLC** 

Benjamin J. Belill Senior Geologist Ashley Ager, P.G., M.S. Principal

Ashley L. Ager

cc: Amy Ruth, XTO

Amanda Garcia, XTO

**NMSLO** 

### Appendices:

Figure 1 Site Receptor Map

Figure 2 Delineation Soil Sample Locations
Figure 3 Proposed Excavation Extent
Table 1 Soil Sample Analytical Results

Appendix A Referenced Well Records

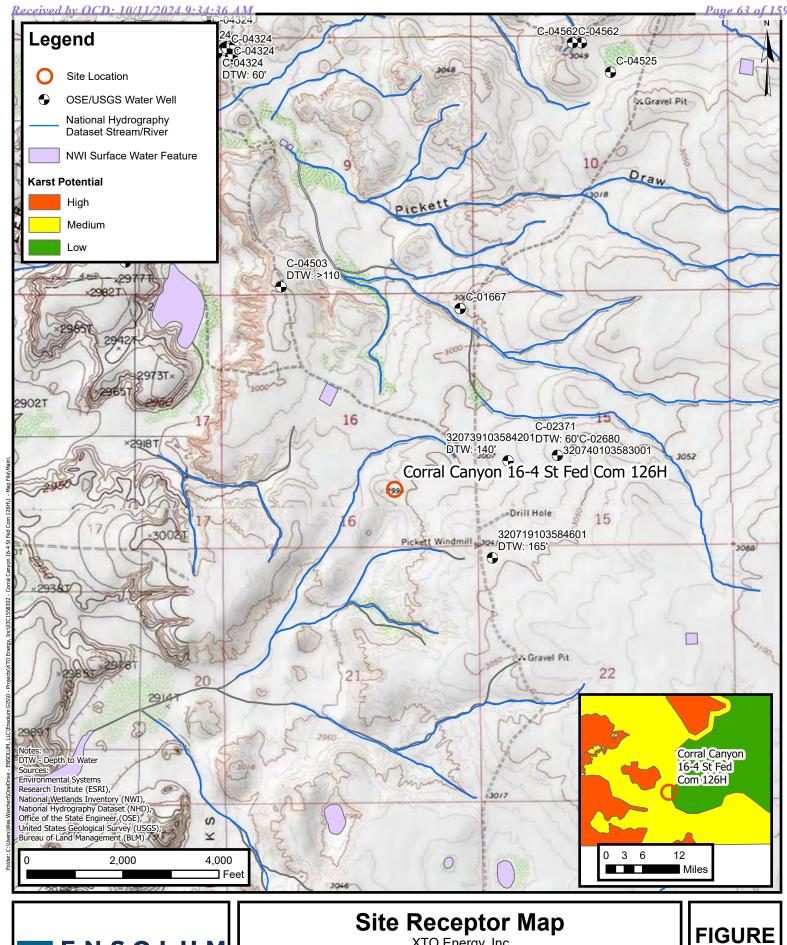
Appendix B Photographic Log

Appendix C Lithologic / Soil Sampling Logs

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



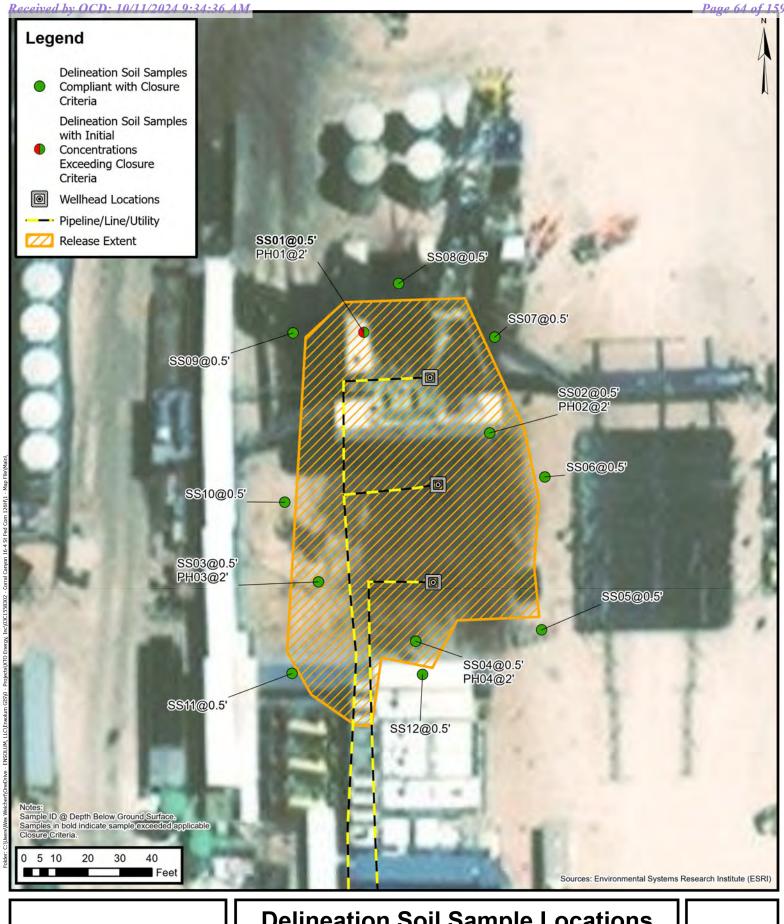
**FIGURES** 





XTO Energy, Inc Corral Canyon 16-4 St Fed Com 126H Incident Number: NAPP2335250734 Unit O, Sec 16, T25S, R29E Eddy Co, New Mexico, United States

Released to Imaging: 10/22/2024 3:58.50 PM

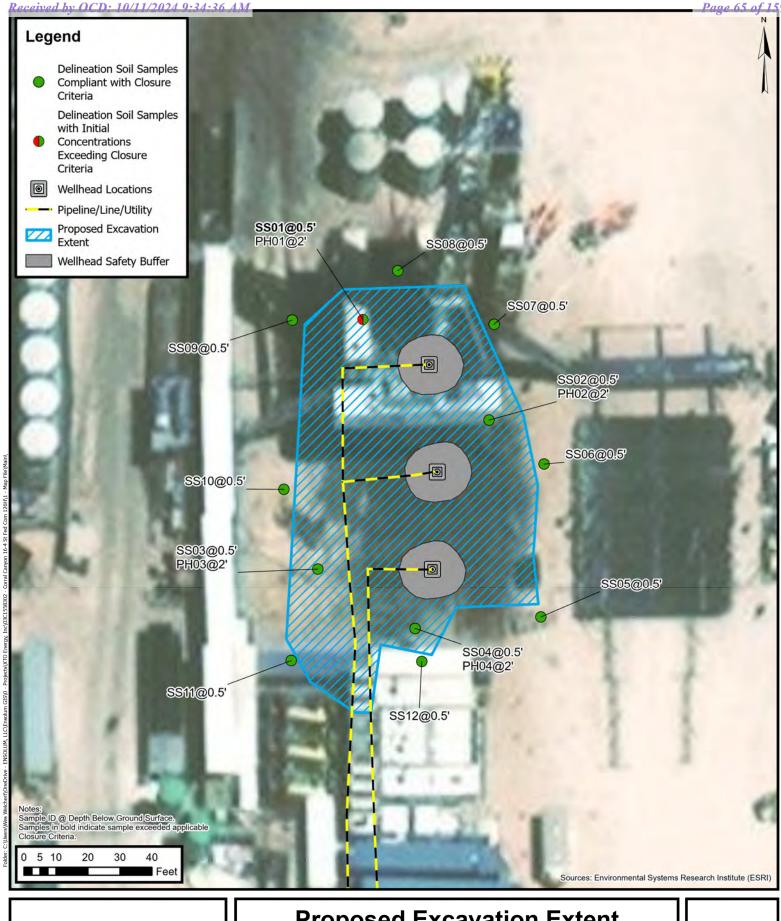




### **Delineation Soil Sample Locations**

XTO Energy, Inc Corral Canyon 16-4 St Fed Com 126H Incident Number: NAPP2335250734 Unit O, Sec 16, T25S, R29E Eddy Co, New Mexico, United States

**FIGURE** 2





### **Proposed Excavation Extent**

XTO Energy, Inc Corral Canyon 16-4 St Fed Com 126H Incident Number: NAPP2335250734 Unit O, Sec 16, T25S, R29E Eddy Co, New Mexico, United States

**FIGURE** 3

Released to Imaging: 10/22/2024 3:58.50 PM



**TABLES** 



### TABLE 1 SOIL SAMPLE ANALYTICAL RESULTS Corral Canyon 16-4 ST Fed Com 126H XTO Energy, Inc Eddy County, New Mexico

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Cl	losure Criteria (l	NMAC 19.15.29)	10	50	NE	NE	NE	1,000	2,500	20,000
				Delii	neation Soil Sai	mples				
SS01	01/19/2024	0.5	<0.00201	<0.00402	<49.7	1,390	115	1,390	1,510	20,700
PH01	01/29/2024	2	< 0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	<49.8	62.5
SS02	01/19/2024	0.5	<0.00199	<0.00398	<50.0	287	<50.0	287	287	4,230
PH02	01/29/2024	2	<0.00198	< 0.00396	<50.1	<50.1	<50.1	<50.1	<50.1	199
SS03	01/19/2024	0.5	<0.00199	<0.00398	<49.6	133	<49.6	133	133	5,330
PH03	01/29/2024	2	<0.00201	<0.00402	<50.2	<50.2	<50.2	<50.2	<50.2	413
SS04	01/19/2024	0.5	<0.00200	< 0.00399	<49.6	65.2	<49.6	65.2	65.2	1,900
PH04	01/29/2024	2	<0.00202	< 0.00403	<50.4	<50.4	<50.4	<50.4	<50.4	267
SS05	01/29/2024	0.5	<0.00199	<0.00398	<50.2	<50.2	<50.2	<50.2	<50.2	257
SS06	01/29/2024	0.5	<0.00200	<0.00399	<49.7	<49.7	<49.7	<49.7	<49.7	271
SS07	01/29/2024	0.5	<0.00200	<0.00400	<50.0	51.0	<50.0	51.0	51.0	507
SS08	01/29/2024	0.5	<0.00199	<0.00398	<50.0	55.7	<50.0	55.7	55.7	204
SS09	01/29/2024	0.5	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	<49.9	445
SS10	01/29/2024	0.5	<0.00202	<0.00404	<49.6	<49.6	<49.6	<49.6	<49.6	413
SS11	01/29/2024	0.5	<0.00200	<0.00401	<50.1	<50.1	<50.1	<50.1	<50.1	321
SS12	01/29/2024	0.5	<0.00198	<0.00396	<50.4	<50.4	<50.4	<50.4	<50.4	430

### Notes:

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

NMOCD: New Mexico Oil Conservation Division

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

Concentrations in **bold** exceed the NMOCD Table I Closure Criteria or reclamation requirement where applicable.

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

NMAC: New Mexico Administrative Code

Ensolum 1 of 1



**APPENDIX A** 

Referenced Well Records



**USGS Home Contact USGS** Search USGS

**National Water Information System: Web Interface** 

**USGS** Water Resources

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

### Click to hideNews Bulletins

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

Table of data Tab-separated data

Groundwater levels for the Nation

Important: Next Generation Monitoring Location Page

### Search Results -- 1 sites found

Agency code = usgs site\_no list =

• 320739103584201

### Minimum number of levels = 1

Save file of selected sites to local disk for future upload

### USGS 320739103584201 25S.29E.15.31134

Eddy County, New Mexico Latitude 32°07'39", Longitude 103°58'42" NAD27 Land-surface elevation 3,017 feet above NAVD88 The depth of the well is 192 feet below land surface. This well is completed in the Other aquifers (N9999OTHER) national aquifer.

This well is completed in the Rustler Formation (312RSLR) local aquifer.

### **Output formats**

<u>Graph of da</u>	<u>ita</u>									
Reselect pe	riod									
Date	Time	? Water- level date- time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source measur
1983-02-0		D	62610		2875.02	NGVD29	1		Z	
1983-02-0	1	D	62611		2876.60	NAVD88	1		Z	
1983-02-0	1	D	72019	140.40			1		Z	
1987-10-2	0	D	62610		2875.09	NGVD29	1		Z	
1987-10-2	0	D	62611		2876.67	NAVD88	1		Z	
1987-10-2	0	D	72019	140.33			1		Z	
1992-11-0	6	D	62610		2874.61	NGVD29	1		S	
1992-11-0	6	D	62611		2876.19	NAVD88	1		S	
1992-11-0	6	D	72019	140.81			1		S	
1998-01-2	9	D	62610		2874.52	NGVD29	1		S	
1998-01-2	9	D	62611		2876.10	NAVD88	1		S	
1998-01-2	9	D	72019	140.90			1		S	

		Explanation	
Section	Code	Description	

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

**Questions or Comments** <u>Automated retrievals</u> <u>Help</u> Data Tips **Explanation of terms** Subscribe for system changes News

Accessibility FOIA Privacy Policies and Notices

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

URL: https://nwis.waterdata.usgs.gov/nwis/gwlevels?

Page Contact Information: <u>USGS Water Data Support Team</u> Page Last Modified: 2024-01-29 15:34:52 EST

0.29 0.25 nadww01





USGS Home Contact USGS Search USGS

**National Water Information System: Web Interface** 

**USGS** Water Resources

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

### Click to hideNews Bulletins

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

Groundwater levels for the Nation

■ Important: Next Generation Monitoring Location Page

### Search Results -- 1 sites found

Agency code = usgs site\_no list =

• 320719103584601

### Minimum number of levels = 1

Save file of selected sites to local disk for future upload

### USGS 320719103584601 25S.29E.16.44444

Eddy County, New Mexico
Latitude 32°07'19", Longitude 103°58'46" NAD27
Land-surface elevation 3,042 feet above NAVD88
The depth of the well is 200 feet below land surface.
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Rustler Formation (312RSLR) local aquifer.

### **Output formats**

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

Released to Imaging: 10/22/2024 3:58:50 PM

Date	Time	? Water- level date- time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source of measurement	? Water- level approval status
1958-08-19		D	62610		2870.28	NGVD29	1	Z			
1958-08-19		D	62611		2871.86	NAVD88	1	Z			
1958-08-19		D	72019	170.14			1	Z			
1958-10-23		D	62610		2869.62	NGVD29	1	Z			
1958-10-23		D	62611		2871.20	NAVD88	1	Z			
1958-10-23		D	72019	170.80			1	Z			
1975-12-09		D	62610		2875.47	NGVD29	1	S			
1975-12-09		D	62611		2877.05	NAVD88	1	S			
1975-12-09		D	72019	164.95			1	S			
1976-01-16		D	62610		2873.30	NGVD29	1	S			
1976-01-16		D	62611		2874.88	NAVD88	1	S			
1976-01-16		D	72019	167.12			1	S			
1977-01-14		D	62610		2875.37	NGVD29	1	S			
1977-01-14		D	62611		2876.95	NAVD88	1	S			
1977-01-14		D	72019	165.05			1	S			

### Explanation

Code	Description
D	Date is accurate to the Day
62610	Groundwater level above NGVD 1929, feet
62611	Groundwater level above NAVD 1988, feet
72019	Depth to water level, feet below land surface
NAVD88	North American Vertical Datum of 1988
NGVD29	National Geodetic Vertical Datum of 1929
1	Static
S	Steel-tape measurement.
Z	Other.
	Not determined
	Not determined
	D 62610 62611 72019 NAVD88 NGVD29 1 S

Received by OCD: 10/11/2024 9:34:36 AM

Section	Code	Description
Water-level approval status	А	Approved for publication Processing and review completed.

**Questions or Comments** Automated retrievals <u>Help</u> Data Tips Explanation of terms Subscribe for system changes **News** 

Accessibility FOIA Privacy Policies and Notices

U.S. Department of the Interior | U.S. Geological Survey

**Title: Groundwater for USA: Water Levels** URL: https://nwis.waterdata.usgs.gov/nwis/gwlevels?

Page Contact Information: <u>USGS Water Data Support Team</u> Page Last Modified: 2024-04-04 15:11:18 EDT

0.28 0.25 nadww02



### STATE ENGINEER OFFICE WELL RECORD

Section 1. GENERAL INFORMATION

	Revised	June	1972
			_

(A) Owner o	f well <del>Joh</del>	nnv Rei	d			owner STA	MAR 16 ter's Well No	411 II IU
Street or	Post Office Ad	dress 24	5 E. Lon	don Rd.		CT/	TF ENCIL	EER OFFICE
City and	State Lovi	ng, N.M.	<del>- 88256</del> -				NTA FE N	EM WEXICO
/ell was drille	d under Permit	No. <u>C = 2</u>	371		and is located	d in the:		
a. <u>N E</u>	_ ¼ <u>_sw</u> ¼	1/4	¼ of Sec	ction <u>15</u>	Township_	<del>255</del> Ra	nge <u>29 E</u>	N.M.P.M
b. Tract	No	of Map No	0	of the			· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·
	lo ivision, recorded							<del></del>
						System		
B) Drilling	Contractor —C	ampbell	Drillin.	8		License No	WD-1259	
ddresš <u>10</u>	W. Blevi	ns Rd.	A	rtesia,	N.M. 382	10-		· ·
Orilling Began	1-12-95	Con	npleted 1-2	4-95	_ Type tools _	<del>cable '</del>	Size of h	ole <del>10 1/2</del> in
Elevation of la	ind.surface or, _			at wel	l is	ft. Total depth	of well 20	0 ft
Completed we	ll is 🙀 s		artesian.			er upon completion	n of well ——6	<del>0</del> ft
<del></del>	in Feet	Thickness in Feet	ss	Description of			1	ited Yield per minute)
From	То	,		-				
162	200	638	Со	nglomera	ted rock	or sand	20 G	PM +
· · · · · · · · · · · · · · · · · · ·				·				
				<u> </u>				· · · · · · ·
			Sectio	n 3. RECORD	OF CASING			
Diameter (inches)	Pounds per foot	Threads	Depth Top	in Feet Bottom	Length (feet)	Type of Sh	oe Fro	rerforations To
7	23		1 1/2	200	(====	collar	140	
		Sec	tion 4. RECO	RD OF MUDD	ING AND CE	MENTING		
, Depth From	in Feet To	Hole Diameter	Sacl of M	1	ubic Feet f Cement	Meth	od of Placeme	ent
·	•		none	,			·	
	<u> </u>							
	<u>. J.</u>							
Diagram (Carrie				on 5. PLUGGII	NG RECORD			
	ractor					Depth in	n Feet	Cubic Feet
	od gged				No.	Тор	Bottom	of Cement
Plugging appr					$\frac{1}{2}$			
		State E	ngineer Repres	entative	3			
			FOR USE	OF STATE E	NGINEER ON	ILY		
Date Received	1 02-01-95	5		Quad	· ·	FWL		FSI
	C=2371			-		FWL		

1.

ed by OCD: 10/11/2024 9:34:36 AM			Section 6. LOG OF HOLE						
	in Feet	Thickness	Color and Type of Material Encountered						
From	То	in Feet							
0	3	3	Top Soil						
3	42	39	Gravel Rock & very little shale	<del></del>					
42	161	119	Sandstone (solid)						
161	200	39	Conglomerated rowk & some sand (water beari	.ng),					
	·								
		-							
,·									
			,						
		· · · · · · · · · · · · · · · · · · ·							
			· · · · · · · · · · · · · · · · · · ·						
-		·		<del></del> ,					
<del></del>									
		.,							
<u> </u>									
		·							

Section 7. REMARKS AND ADDITIONAL INFORMATION

ROSWELL NEW MEXICO

The undersigned hereby certifies that, to the best of his knowledge and belief, the foregoing is a true and correct record of the above described hole.

Driller

INSTRUCTIONS: This form should be executed in triplicate, preferably typewritten, and submitted to the appropriate district office of the State Engineer. All sections, exact Section 5, shall be answered as completely and accurately as possible when any well is drilled, repaired or deepened. When this time is used as a plugging record, only Section 5 need be completed.



	<del></del>	~										
ION	OSE POD NO. ( POD1 (BH		.)		WELL TAG ID NO n/a			OSE FILE NO( C-4503	S).			
OCAT	WELL OWNER XTO Energy				<u> </u>			PHONE (OPTI	ONAL)			
GENERAL AND WELL LOCATION	WELL OWNER 6401 Holida							CITY Midland		STATE TX	79707	ZIP
T AND	WELL LOCATION	LAT	DE	egrees 32	MINUTES 8	SECON 15.		* ACCURACY	REQUIRED: ONE TEN	TH OF A SEC	COND	
TERA	(FROM GPS)		NGITUDE	103	59	38.	34 W	* DATUM RE	QUIRED: WGS 84			
1. GEN	DESCRIPTION SWSW S9 T		IG WELL LOCATION TO 9E	STREET ADDR	ESS AND COMMO	N LANDM	ARKS – PLS	S (SECTION, TO	WNSHJIP, RANGE) WH	ERE AVAIL	ABLE	
	LICENSE NO. 1249		NAME OF LICENSED		ackie D. Atkins	3			NAME OF WELL DRI Atkins Eng			nc.
	DRILLING STA 04/19/20		DRILLING ENDED 04/19/2021		MPLETED WELL (F ary well materi	· .		LE DEPTH (FT) 110	DEPTH WATER FIRS	ST ENCOUN n/a	TERED (FT)	
Z.	COMPLETED	WELL IS:	ARTESIAN	DRY HOLE SHALLOW (UNCONFINED)				<del> </del>	STATIC WATER LEV	/EL IN COMI n/a	PLETED WE	LL (FT)
ATIO	DRILLING FLU	JID:	☐ AIR	MUD ADDITIVES - SPECIFY:								
ORM	DRILLING ME	THOD:	ROTARY	HAMMER	CABLE 7	rool	<b>✓</b> OTHE	R – SPECIFY:	Hollo	w Stem A	uger	
INF	DEPTH (f		BORE HOLE	CASING	MATERIAL ANI GRADE	D/OR	C.A	ASING	CASING	1	3 WALL	SLOT
2. DRILLING & CASING INFORMATION	FROM	то	DIAM (inches)	(include e	(include each casing string, and			NECTION TYPE ling diameter)	INSIDE DIAM. (inches)		KNESS hes)	SIZE (inches)
& CA	0	110	±6.5	Boring- HSA			(auu coup	-			<del></del>	
ING												
RILI		<del>- ,</del>		1								
2. D												
									OSE DII M	9V 5 70°	94 page (4.0	i.
									The first base Ly' g it is	111.632	· · · · · · · · · · · · · · · · · · ·	
_	DEPTH (f	ect bgl)	BORE HOLE	LIS	ST ANNULAR S	EAL MA	TERIAL A	AND	AMOUNT		метно	
ANNULAR MATERIAL	FROM	то	DIAM. (inches)	GRA	VEL PACK SIZE	-RANGI	BY INTE	RVAL	(cubic feet)		PLACEN	MENT
ATE				<b></b>						-		
RM								· · · · · · · · · · · · · · · · · · ·	i			
ULA					,							
3.												_
FOP	OSE INTERN	AI IISE		I				13,710 2	0 WELL RECORD	& I OG OV	ersion 06/2	0/17)
FILE		45	03		POD NO	<b>D</b> .	1	TRN 1	1 4	797	2.2011 00/3	
LOC	ATION E	lax	2	55.2	9E.9.3	334		WELL TAG I	D NO.		PAGE	1 OF 2

	DEPTH (1	eet bgl)	THICKNESS	COLOR AN	D TYPE OF MATERIAL I	ENCOU	NTERED -		WAT	TER	ESTIMATED YIELD FOR
	FROM	то	(feet)		R-BEARING CAVITIES ( plemental sheets to fully (			\$	BEAR (YES		WATER- BEARING ZONES (gpm)
	0	4	4	Caliche, tan, off-w	hite,dry, tan sand m-f grain	ned, well	sorted, trace sil		Y	✓ N	
	4	41	37	Sand, tan, m-f, well sor	ted, little caliche gravel, ta	n, trace s	ilt, low consolid	ation	Y	√ N	
	41	-		Sandy clay, brown, non	plastic, non cohesive, no c	odor, no s	tain, m-f graine	d, wel	Y	√ N	
	43	46	5	increase in clay conten	nt, low plasticity Claystone,	brown, li	ght brown mott	ling,	Y	√ N	
	46	110	64	Claystone,brown,	, light brown mottling, cohe	esive, me	dium plasticity		Y	√ N	
-į									Y	N	
4. HYDROGEOLOGIC LOG OF WELL								İ	Y	N	
OF									Y	N	
,OG									Y	N	
ICI									Y	N	
503							-	1	Y	N	
EO									Y	N	
ROG								T	Y	N	*
Ιχρ									Y	N	
4. F							·		Y	N	
								1	Y	N	
									Y	N	
									Y	N	
									Y	N	
					. ,				Y	N	
									Y	N	
	METHOD I	SED TO ES	TIMATE VIELD	OF WATER-BEARING	G STRATA			TOTA	L ESTIM		
	PUM	_	IR LIFT		HER - SPECIFY:				L YIELD		0.00
z	WELL TES	TEST	RESULTS - ATT	ACH A COPY OF DAT	'A COLLECTED DURING						
/ISION	A COCCUPATION AND ADDRESS AND										
	MISCELLA	NEOUS INF	ORMATION: C	orral Canyon 212H. To	emporary well materials eet below ground surfac	remove	ed and the soil	borin	g backfil	led using	g drill cuttings
SUP			su	on total depth to ten i urface to surface.	eet below ground surfac	æ, men i	iyaratea benta	onite c	mps iron	n ten iee	t below ground
TEST; RIG SUPER			L	ogs adapted from WSI	P on-site geologist.		D	SE D	II MAY	5 2021	РМ4:04
ST;						777037.0					
S. TI		, ,	RILL RIG SUPER	CVISOR(S) THAT PRO	VIDED ONSITE SUPERV	ISION O	F WELL CON	STRUC	CTION O	THER TH	IAN LICENSEE:
	Shane Eldri	1ge									
					EST OF HIS OR HER KN						
SIGNATURE					D THAT HE OR SHE WI PLETION OF WELL DRII		THIS WELL R	ECOR	D WITH	THE STA	a i e engineer
GNA	Jack .	Atkins		Taz	ckie D. Atkins				05/05	5/2021	
6. SI				Jac	ALC D. ARRIES				05/05		
-		SIGNAT	URE OF DRILLE	ER / PRINT SIGNEE	NAME					DATE	
FΩ	R OSE INTERI	NAI IICE					MB-30 ME	I BE	ORD &	OG OV~	rsion 06/30/2017)
	E NO.	_	503		POD NO.	/	TRN NO.	<u> </u>	182	79	2
_	CATION				<u> </u>	WELI	L TAG ID NO.		. <u> </u>	- •	PAGE 2 OF 2



**APPENDIX B** 

Photographic Log



#### **Photographic Log**

XTO Energy, Inc.
Corral Canyon 16-4 St Fed Com 126H
Incident Number nAPP2335250734





Photograph: 1 Date: 1/19/2024

Description: Site assessment, release extent area.

View: Northeast

Photograph: 2 Date: 1/19/2024 Description: Site assessment, release extent area.

View: South





Photograph: 3 Date: 1/29/2024

Description: Delineation activities, PH01.

View: Southeast

Photograph: 4 Date: 1/29/2024

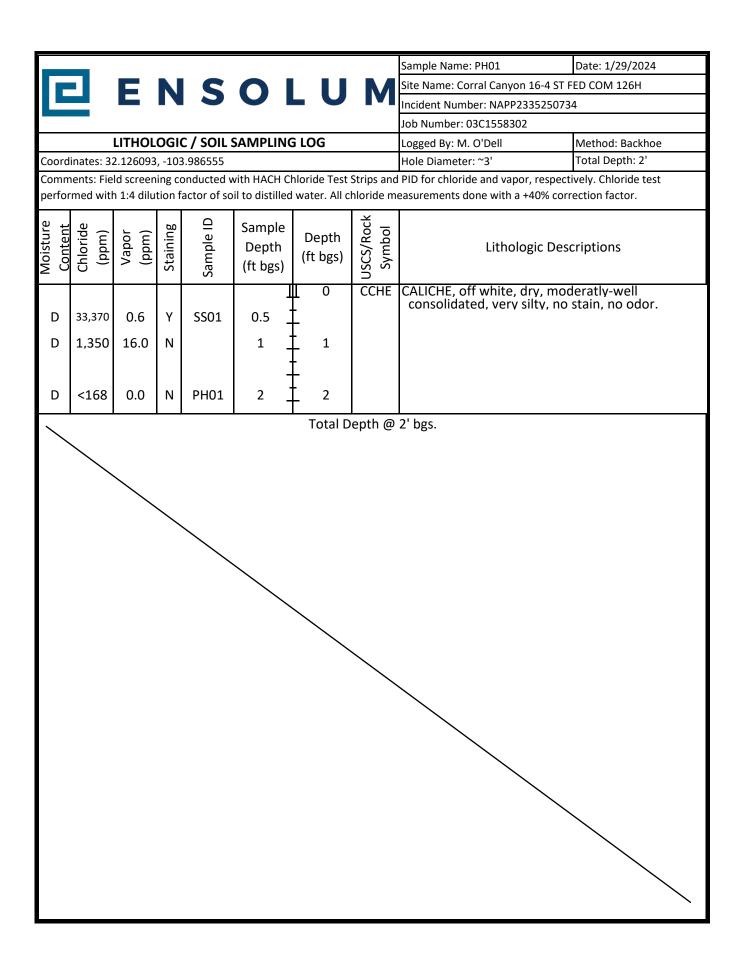
Description: Delineation activities, PH04.

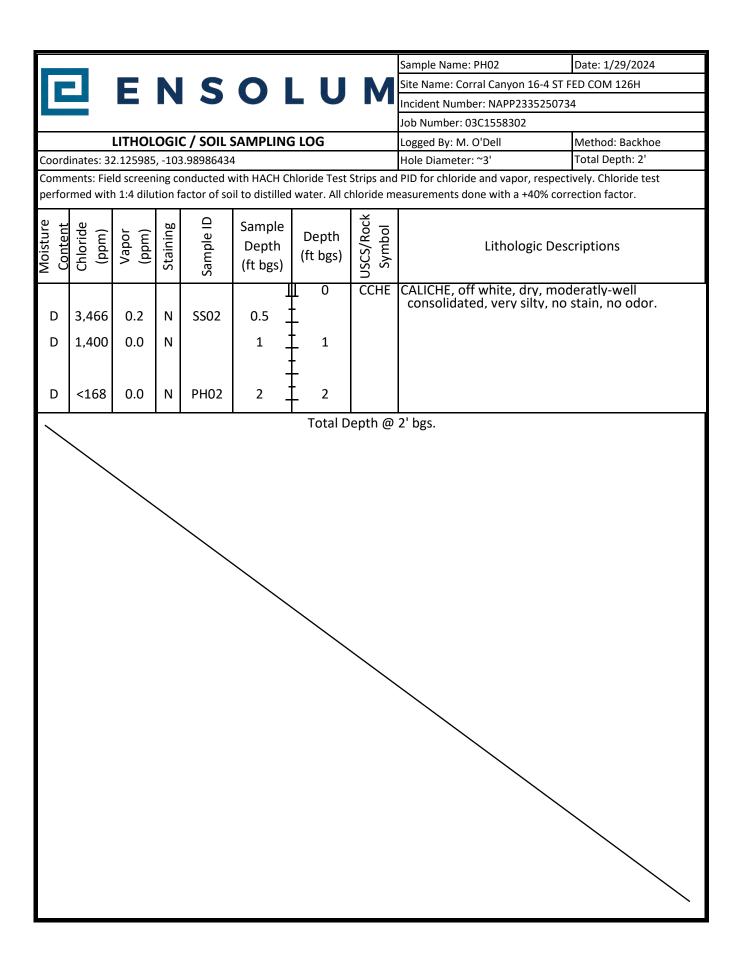
View: Northeast

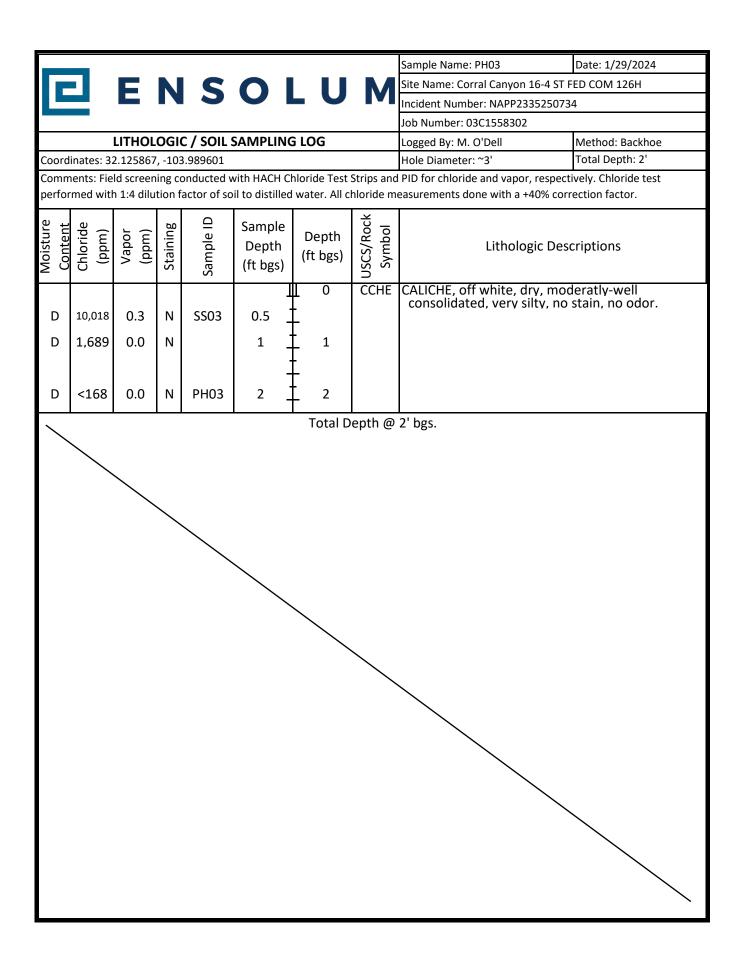


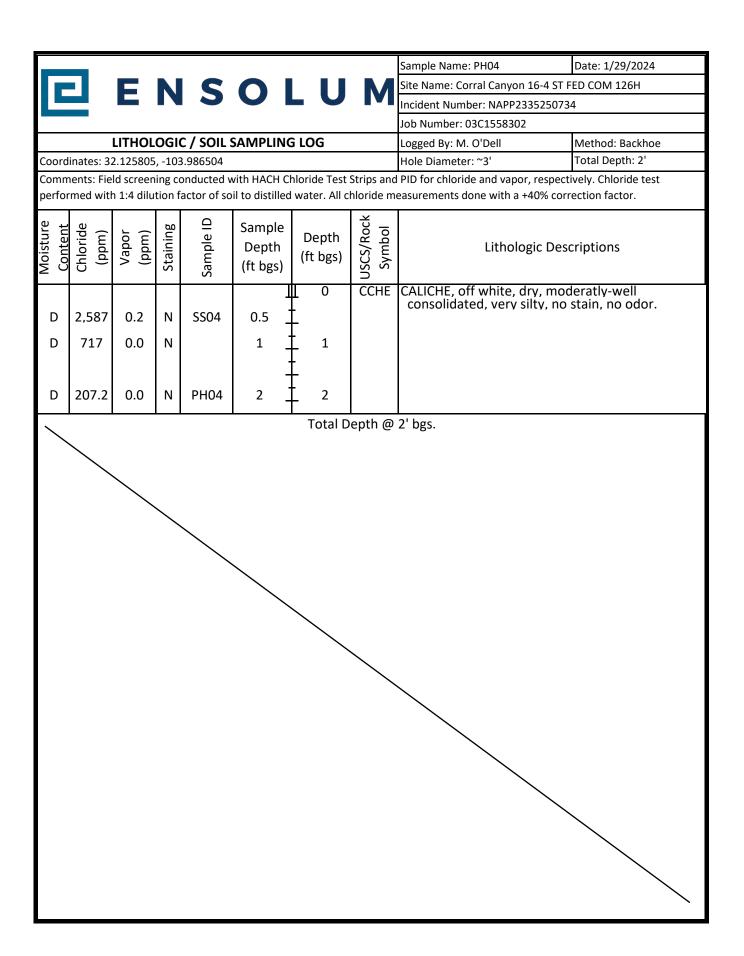
APPENDIX C

Lithologic Soil Sampling Logs











APPENDIX D

Laboratory Analytical Reports & Chain of Custody Documentation

**Environment Testing** 

# **ANALYTICAL REPORT**

# PREPARED FOR

Attn: Ben Belill

**Ensolum** 

601 N. Marienfeld St.

Suite 400

Midland, Texas 79701

Generated 2/13/2024 12:23:26 PM Revision 1

# **JOB DESCRIPTION**

Corral Canyon 16-4 St Fed Com 126H 03C15583C2

# **JOB NUMBER**

890-5999-1

Eurofins Carlsbad 1089 N Canal St. Carlsbad NM 88220

# **Eurofins Carlsbad**

### **Job Notes**

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

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

### **Authorization**

Generated 2/13/2024 12:23:26 PM Revision 1

Authorized for release by Jessica Kramer, Project Manager <u>Jessica.Kramer@et.eurofinsus.com</u> (432)704-5440  $\lfloor 2 \rfloor$ 

3

4

6

\_

9

10

Client: Ensolum Project/Site: Corral Canyon 16-4 St Fed Com 126H Laboratory Job ID: 890-5999-1 SDG: 03C15583C2

# **Table of Contents**

Cover Page	1
Table of Contents	3
Definitions/Glossary	4
Case Narrative	5
Client Sample Results	6
Surrogate Summary	10
QC Sample Results	11
QC Association Summary	17
Lab Chronicle	20
Certification Summary	22
Method Summary	23
Sample Summary	24
Chain of Custody	25
Receint Checklists	26

2

3

4

6

8

10

1 2

13

### **Definitions/Glossary**

Client: Ensolum Job ID: 890-5999-1 Project/Site: Corral Canyon 16-4 St Fed Com 126H SDG: 03C15583C2

**Qualifiers** 

**GC VOA** 

Qualifier **Qualifier Description** 

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

**GC Semi VOA** 

Qualifier **Qualifier Description** 

Indicates the analyte was analyzed for but not detected.

**HPLC/IC** 

Qualifier **Qualifier Description** 

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

**Glossary** 

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

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

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

**DER** Duplicate Error Ratio (normalized absolute difference)

Dil Fac **Dilution Factor** 

DL Detection Limit (DoD/DOE)

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

DLC Decision Level Concentration (Radiochemistry)

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

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

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

NC Not Calculated

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

NEG Negative / Absent POS Positive / Present

PQL **Practical Quantitation Limit** 

**PRES** Presumptive QC **Quality Control** 

**RER** Relative Error Ratio (Radiochemistry)

RL Reporting Limit or Requested Limit (Radiochemistry)

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

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

**TNTC** Too Numerous To Count

#### **Case Narrative**

Client: Ensolum Job ID: 890-5999-1

Project: Corral Canyon 16-4 St Fed Com 126H

Job ID: 890-5999-1 Eurofins Carlsbad

Job Narrative 890-5999-1

#### REVISION

The report being provided is a revision of the original report sent on 2/2/2024. The report (revision 1) is being revised due to Per client email, requesting project name correction.

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

- Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

#### Receipt

The samples were received on 1/22/2024 8:09 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.8°C

#### **Receipt Exceptions**

The following samples were received and analyzed from an unpreserved bulk soil jar: SS01 (890-5999-1), SS02 (890-5999-2), SS03 (890-5999-3) and SS04 (890-5999-4).

#### **GC VOA**

Method 8021B: Surrogate recovery for the following samples were outside control limits: SS01 (890-5999-1) and SS02 (890-5999-2). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The matrix spike duplicate (MSD) recoveries for preparation batch 880-71830 and analytical batch 880-72093 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

#### GC Semi VOA

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

#### HPLC/IC

Method 300\_ORGFM\_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-71573 and analytical batch 880-71736 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

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

**Eurofins Carlsbad** 

1

2

3

4

9

11

13

Client: Ensolum

Project/Site: Corral Canyon 16-4 St Fed Com 126H

Job ID: 890-5999-1

SDG: 03C15583C2

Client Sample ID: SS01

Date Collected: 01/19/24 12:54 Date Received: 01/22/24 08:09

Sample Depth: 0.5'

Lab Sample ID: 890-5999-1

01/24/24 09:03 01/26/24 03:18

Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		01/29/24 13:34	02/01/24 16:45	1
Toluene	<0.00201	U	0.00201	mg/Kg		01/29/24 13:34	02/01/24 16:45	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		01/29/24 13:34	02/01/24 16:45	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	mg/Kg		01/29/24 13:34	02/01/24 16:45	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		01/29/24 13:34	02/01/24 16:45	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		01/29/24 13:34	02/01/24 16:45	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	80		70 - 130			01/29/24 13:34	02/01/24 16:45	1
1,4-Difluorobenzene (Surr)	67	S1-	70 - 130			01/29/24 13:34	02/01/24 16:45	1

Method: TAL SOP Total BTEX - Total BTEX CalculationAnalyteResultQualifierRLUnitDPreparedAnalyzedDil FacTotal BTEX<0.00402</td>0.00402mg/Kg02/01/24 16:451

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)AnalyteResultQualifierRLUnitDPreparedAnalyzedDil FacTotal TPH151049.7mg/Kg01/26/24 03:181

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) Result Qualifier Analyte RL Unit D Prepared Analyzed Dil Fac <49.7 U Gasoline Range Organics 49.7 01/24/24 09:03 01/26/24 03:18 mg/Kg (GRO)-C6-C10 **Diesel Range Organics (Over** 01/24/24 09:03 01/26/24 03:18 1390 49.7 mg/Kg C10-C28) **Oll Range Organics (Over** 49.7 01/24/24 09:03 01/26/24 03:18 mg/Kg 115 C28-C36) Qualifier Surrogate Limits Prepared Analyzed Dil Fac %Recovery 70 - 130 1-Chlorooctane 97 01/24/24 09:03 01/26/24 03:18

Method: EPA 300.0 - Anions, Ion Chromatography - SolubleAnalyteResultQualifierRLUnitDPreparedAnalyzedDil FacChloride20700249mg/Kg01/28/24 23:1850

70 - 130

93

Client Sample ID: SS02

Date Collected: 01/19/24 12:57

Lab Sample ID: 890-5999-2

Matrix: Solid

Date Collected: 01/19/24 12:57 Date Received: 01/22/24 08:09

Sample Depth: 0.5'

o-Terphenyl

Method: SW846 8021B - '	Volatile Organic	Compound	ds (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		01/29/24 13:34	02/01/24 17:05	1
Toluene	<0.00199	U	0.00199	mg/Kg		01/29/24 13:34	02/01/24 17:05	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		01/29/24 13:34	02/01/24 17:05	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		01/29/24 13:34	02/01/24 17:05	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		01/29/24 13:34	02/01/24 17:05	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		01/29/24 13:34	02/01/24 17:05	1

**Eurofins Carlsbad** 

2

\_\_\_\_\_

5

7

10

12

Matrix: Solid

Lab Sample ID: 890-5999-2

Client: Ensolum Job ID: 890-5999-1 Project/Site: Corral Canyon 16-4 St Fed Com 126H SDG: 03C15583C2

**Client Sample ID: SS02** 

Date Collected: 01/19/24 12:57 Date Received: 01/22/24 08:09

Sample Depth: 0.5'

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	68	S1-	70 - 130	01/29/24 13:34	02/01/24 17:05	1
1,4-Difluorobenzene (Surr)	72		70 - 130	01/29/24 13:34	02/01/24 17:05	1

Mothod: TAL SOP Total RTEY - Total R	TEX Calculation	2			
1,4-Difluorobenzene (Surr)	72	70 - 130	01/29/24 13:34	02/01/24 17:05	1
4-Bromofluorobenzene (Surr)	68 S1-	70 - 130	01/29/24 13:34	02/01/24 17:05	1

	Method: TAL SUP Total BTEX	ethod: TAL SOP Total BTEX - Total BTEX Calculation											
	Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac				
l	Total BTEX	<0.00398	U	0.00398	mg/Kg			02/01/24 17:05	1				

Method: SW846 8015 NM - Die								
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	287		50.0	mg/Kg			01/26/24 13:52	1

Method: SW846 8015B NM - D Analyte	_	Qualifier	RL (DRO)	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		01/25/24 16:32	01/26/24 13:52	
Diesel Range Organics (Over C10-C28)	287		50.0	mg/Kg		01/25/24 16:32	01/26/24 13:52	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		01/25/24 16:32	01/26/24 13:52	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4.00-1			70 400			04/05/04 40:00	04/00/04 40:50	

Surrogate	%Recovery Qualitier	Limits	Prepared	Anaiyzea	DII Fac
1-Chlorooctane	86	70 - 130	01/25/24 16:32	01/26/24 13:52	1
o-Terphenyl	101	70 - 130	01/25/24 16:32	01/26/24 13:52	1
Mothod: EDA 200.0 A	nione Ion Chromatography	Solublo			

Wethou. EPA 300.0 - Amons, i	on Cilionial	ograpny -	Soluble					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4230		49.6	mg/Kg			01/28/24 23:24	10

Lab Sample ID: 890-5999-3 **Client Sample ID: SS03** Date Collected: 01/19/24 13:02 **Matrix: Solid** 

Date Received: 01/22/24 08:09

Sample Depth: 0.5'

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		01/29/24 13:34	02/01/24 17:26	1
Toluene	<0.00199	U	0.00199	mg/Kg		01/29/24 13:34	02/01/24 17:26	1
Ethylbenzene	< 0.00199	U	0.00199	mg/Kg		01/29/24 13:34	02/01/24 17:26	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		01/29/24 13:34	02/01/24 17:26	1
o-Xylene	< 0.00199	U	0.00199	mg/Kg		01/29/24 13:34	02/01/24 17:26	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		01/29/24 13:34	02/01/24 17:26	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130			01/29/24 13:34	02/01/24 17:26	1
1,4-Difluorobenzene (Surr)	75		70 - 130			01/29/24 13:34	02/01/24 17:26	1
- Method: TAL SOP Total BT	EX - Total BTE	X Calculat	ion					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			02/01/24 17:26	

Method: SW846 8015 NM - Die	esel Range C	)rganics (I	DRO) (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	133		49.6	mg/Kg			01/26/24 14:39	1

Client: Ensolum Job ID: 890-5999-1 Project/Site: Corral Canyon 16-4 St Fed Com 126H SDG: 03C15583C2

**Client Sample ID: SS03** 

Date Collected: 01/19/24 13:02 Date Received: 01/22/24 08:09

Sample Depth: 0.5'

Lab Sample ID: 890-5999-3 **Matrix: Solid** 

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) Analyte Result Qualifier Unit Prepared Dil Fac RL Analyzed <49.6 U 49.6 01/25/24 16:32 01/26/24 14:39 Gasoline Range Organics mg/Kg (GRO)-C6-C10 **Diesel Range Organics (Over** 49.6 mg/Kg 01/25/24 16:32 01/26/24 14:39 133 C10-C28) Oll Range Organics (Over C28-C36) <49.6 U 49.6 01/25/24 16:32 01/26/24 14:39 mg/Kg %Recovery Qualifier Limits Prepared Dil Fac Surrogate Analyzed 1-Chlorooctane 70 - 130 01/25/24 16:32 01/26/24 14:39 90 70 - 130 01/25/24 16:32 01/26/24 14:39 o-Terphenyl 106 Method: EPA 300.0 - Anions, Ion Chromatography - Soluble Analyte Result Qualifier Unit RL Prepared Analyzed Dil Fac 01/28/24 23:31 Chloride 5330 49.7 mg/Kg

**Client Sample ID: SS04** Lab Sample ID: 890-5999-4 Date Collected: 01/19/24 13:05 Matrix: Solid

Date Received: 01/22/24 08:09

Sample Depth: 0.5'

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200		0.00200	mg/Kg	_ <u>-</u>	01/29/24 13:34	02/01/24 17:46	1
Toluene	<0.00200		0.00200	mg/Kg		01/29/24 13:34	02/01/24 17:46	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		01/29/24 13:34	02/01/24 17:46	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		01/29/24 13:34	02/01/24 17:46	1
o-Xylene	<0.00200		0.00200	mg/Kg		01/29/24 13:34	02/01/24 17:46	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		01/29/24 13:34	02/01/24 17:46	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	74		70 - 130			01/29/24 13:34	02/01/24 17:46	1
1,4-Difluorobenzene (Surr)	77		70 - 130			01/29/24 13:34	02/01/24 17:46	1
Method: TAL SOP Total BTEX	- Total BTE	X Calculat	ion					
		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Analyte	Result	Qualifier	NL.	Ullit		i iepaieu	/ \\ \\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	
Analyte Total BTEX	<0.00399		0.00399	mg/Kg	_ =	Trepared	02/01/24 17:46	1
Total BTEX	<0.00399	U	0.00399		_ =	Теригеи		
Total BTEX  Method: SW846 8015 NM - Did	<0.00399 esel Range (	U Organics (	0.00399 DRO) (GC)	mg/Kg			02/01/24 17:46	1
Total BTEX	<0.00399 esel Range (	U	0.00399  DRO) (GC) RL		<u></u>	Prepared		
Total BTEX  Method: SW846 8015 NM - Did	<0.00399 esel Range (	U Organics (	0.00399 DRO) (GC)	mg/Kg			02/01/24 17:46	1
Total BTEX  Method: SW846 8015 NM - Did Analyte	<0.00399 esel Range ( Result 65.2	Organics ( Qualifier	0.00399  DRO) (GC) RL 49.6	mg/Kg Unit			02/01/24 17:46  Analyzed	1 Dil Fac
Total BTEX  Method: SW846 8015 NM - Die Analyte  Total TPH	<0.00399 esel Range ( Result 65.2 Diesel Range	Organics ( Qualifier	0.00399  DRO) (GC) RL 49.6	mg/Kg Unit			02/01/24 17:46  Analyzed	1 Dil Fac
Total BTEX  Method: SW846 8015 NM - Did Analyte  Total TPH  Method: SW846 8015B NM - Did	<0.00399 esel Range ( Result 65.2 Diesel Range	Organics ( Qualifier  Organics Qualifier  Qualifier	0.00399  DRO) (GC) RL 49.6  (DRO) (GC)	mg/Kg  Unit mg/Kg	<u>D</u>	Prepared	02/01/24 17:46  Analyzed 01/26/24 15:03  Analyzed	Dil Fac
Total BTEX  Method: SW846 8015 NM - Did Analyte  Total TPH  Method: SW846 8015B NM - Did Analyte  Gasoline Range Organics	<0.00399 esel Range ( Result 65.2 Diesel Range Result	Organics ( Qualifier  Organics Qualifier  Qualifier	0.00399  DRO) (GC) RL 49.6  (DRO) (GC) RL	mg/Kg  Unit mg/Kg  Unit	<u>D</u>	Prepared  01/25/24 16:32	02/01/24 17:46  Analyzed 01/26/24 15:03  Analyzed	Dil Fac
Total BTEX  Method: SW846 8015 NM - Did Analyte  Total TPH  Method: SW846 8015B NM - Did Analyte  Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	<0.00399 esel Range ( Result 65.2 Diesel Range Result <49.6	Organics ( Qualifier  Organics Qualifier  U	0.00399  DRO) (GC) RL 49.6  (DRO) (GC) RL 49.6	Unit mg/Kg  Unit mg/Kg  Unit mg/Kg	<u>D</u>	Prepared  01/25/24 16:32  01/25/24 16:32	Analyzed 01/26/24 15:03  Analyzed 01/26/24 15:03	Dil Fac  Dil Fac  1
Total BTEX  Method: SW846 8015 NM - Did Analyte  Total TPH  Method: SW846 8015B NM - Did Analyte  Gasoline Range Organics (GRO)-C6-C10  Diesel Range Organics (Over C10-C28)	<0.00399 esel Range (Result 65.2) Diesel Range (Result  <49.6 65.2	Organics ( Qualifier  Organics Qualifier  U	0.00399  DRO) (GC) RL 49.6  (DRO) (GC) RL 49.6  49.6	Unit mg/Kg  Unit mg/Kg  Unit mg/Kg  mg/Kg	<u>D</u>	Prepared  01/25/24 16:32  01/25/24 16:32	Analyzed 01/26/24 15:03  Analyzed 01/26/24 15:03  01/26/24 15:03 01/26/24 15:03	Dil Fac  Dil Fac  1
Total BTEX  Method: SW846 8015 NM - Did Analyte  Total TPH  Method: SW846 8015B NM - Did Analyte  Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	<0.00399 esel Range (Result 65.2) Diesel Range (Result < 49.6) 65.2 <49.6	Organics ( Qualifier  Organics Qualifier  U	0.00399  DRO) (GC) RL 49.6  (DRO) (GC) RL 49.6  49.6  49.6	Unit mg/Kg  Unit mg/Kg  Unit mg/Kg  mg/Kg	<u>D</u>	Prepared  01/25/24 16:32 01/25/24 16:32	Analyzed 01/26/24 15:03  Analyzed 01/26/24 15:03  01/26/24 15:03 01/26/24 15:03  Analyzed Analyzed	Dil Fac  Dil Fac  1  1  1

### **Client Sample Results**

Client: Ensolum Job ID: 890-5999-1
Project/Site: Corral Canyon 16-4 St Fed Com 126H SDG: 03C15583C2

Client Sample ID: SS04 Lab Sample ID: 890-5999-4

Date Collected: 01/19/24 13:05 Matrix: Solid
Date Received: 01/22/24 08:09

Sample Depth: 0.5'

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble								
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	1900	25.3	mg/Kg			01/28/24 23:38	5	

4

J

9

11

13

### **Surrogate Summary**

Client: Ensolum Job ID: 890-5999-1 Project/Site: Corral Canyon 16-4 St Fed Com 126H SDG: 03C15583C2

Method: 8021B - Volatile Organic Compounds (GC)

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

			Percent St	rrogate Recovery (Acceptance Limits)
		BFB1	DFBZ1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
880-38339-A-101-C MS	Matrix Spike	116	99	
880-38339-A-101-D MSD	Matrix Spike Duplicate	118	104	
890-5999-1	SS01	80	67 S1-	
890-5999-2	SS02	68 S1-	72	
890-5999-3	SS03	93	75	
890-5999-4	SS04	74	77	
LCS 880-71830/1-A	Lab Control Sample	119	101	
LCSD 880-71830/2-A	Lab Control Sample Dup	118	103	
	Method Blank	72	86	

BFB = 4-Bromofluorobenzene (Surr) DFBZ = 1,4-Difluorobenzene (Surr)

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

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

			Percent	t Surrogate Recovery (Acceptance Limits
		1CO1	OTPH1	
ab Sample ID	Client Sample ID	(70-130)	(70-130)	
80-38285-A-101-F MS	Matrix Spike	92	86	
80-38285-A-101-G MSD	Matrix Spike Duplicate	96	90	
90-5999-1	SS01	97	93	
0-5999-2	SS02	86	101	
0-5999-3	SS03	90	106	
)-5999-4	SS04	92	102	
0-6020-A-1-F MS	Matrix Spike	116	119	
)-6020-A-1-G MSD	Matrix Spike Duplicate	114	117	
S 880-71494/2-A	Lab Control Sample	98	123	
S 880-71622/2-A	Lab Control Sample	86	109	
SD 880-71494/3-A	Lab Control Sample Dup	90	108	
SD 880-71622/3-A	Lab Control Sample Dup	75	92	
3 880-71494/1-A	Method Blank	97	104	
B 880-71622/1-A	Method Blank	108	129	

**Surrogate Legend** 

1CO = 1-Chlorooctane OTPH = o-Terphenyl

Client: Ensolum Project/Site: Corral Canyon 16-4 St Fed Com 126H Job ID: 890-5999-1 SDG: 03C15583C2

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

Lab Sample ID: MB 880-71830/5-A

Lab Sample ID: LCS 880-71830/1-A

**Matrix: Solid** 

**Analysis Batch: 72093** 

**Client Sample ID: Method Blank** 

Prep Type: Total/NA

Prep Batch: 71830

	MB	MR						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		01/29/24 13:34	02/01/24 10:52	1
Toluene	<0.00200	U	0.00200	mg/Kg		01/29/24 13:34	02/01/24 10:52	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		01/29/24 13:34	02/01/24 10:52	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		01/29/24 13:34	02/01/24 10:52	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		01/29/24 13:34	02/01/24 10:52	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		01/29/24 13:34	02/01/24 10:52	1

MB MB

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	72	70 - 130	01/29/24 13:34	02/01/24 10:52	1
1,4-Difluorobenzene (Surr)	86	70 - 130	01/29/24 13:34	02/01/24 10:52	1

**Client Sample ID: Lab Control Sample** 

Prep Type: Total/NA

Prep Batch: 71830

**Analysis Batch: 72093** Spike LCS LCS %Rec Analyte Added Result Qualifier Unit %Rec Limits Benzene 70 - 130 0.100 0.09795 mg/Kg 98 Toluene 0.100 mg/Kg 70 - 130 0.1028 103 Ethylbenzene 0.100 mg/Kg 70 - 130 0.1207 121 125 m-Xylene & p-Xylene 0.200 0.2505 mg/Kg 70 - 130 o-Xylene 0.100 0.1200 120 70 - 130 mg/Kg

LCS LCS

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	119		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

**Client Sample ID: Lab Control Sample Dup** 

**Matrix: Solid** 

**Matrix: Solid** 

**Analysis Batch: 72093** 

Lab Sample ID: LCSD 880-71830/2-A

Prep Type: Total/NA Prep Batch: 71830

	Spike	LCSD	LCSD				%Rec		RPD	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Benzene	0.100	0.09384		mg/Kg		94	70 - 130	4	35	
Toluene	0.100	0.09496		mg/Kg		95	70 - 130	8	35	
Ethylbenzene	0.100	0.1144		mg/Kg		114	70 - 130	5	35	
m-Xylene & p-Xylene	0.200	0.2345		mg/Kg		117	70 - 130	7	35	
o-Xylene	0.100	0.1120		mg/Kg		112	70 - 130	7	35	

LCSD LCSD

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	118		70 - 130
1,4-Difluorobenzene (Surr)	103		70 - 130

Lab Sample ID: 880-38339-A-101-C MS

Matrix: Solid Analysis Batch: 72093										pe: Total/NA Batch: 71830
	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.00201	U	0.100	0.08277		mg/Kg		83	70 - 130	
Toluene	< 0.00201	U	0.100	0.08249		ma/Ka		82	70 - 130	

**Eurofins Carlsbad** 

**Client Sample ID: Matrix Spike** 

### **QC Sample Results**

Client: Ensolum Job ID: 890-5999-1
Project/Site: Corral Canyon 16-4 St Fed Com 126H SDG: 03C15583C2

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

Lab Sample ID: 880-38339-A-101-C MS Matrix: Solid

Lab Sample ID: 880-38339-A-101-D MSD

**Analysis Batch: 72093** 

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

Prep Batch: 71830

MS MS %Rec Sample Sample Spike Analyte **Result Qualifier** Added Result Qualifier Unit %Rec Limits Ethylbenzene <0.00201 U 0 100 0.09763 mg/Kg 97 70 - 130 m-Xylene & p-Xylene <0.00402 U F1 0.200 0.1967 mg/Kg 98 70 - 130 o-Xylene <0.00201 U 0.100 0.09515 95 mg/Kg 70 - 130

MS MS

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	116		70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

**Client Sample ID: Matrix Spike Duplicate** 

Prep Type: Total/NA

Matrix: Solid
Analysis Batch: 72093

Prep Batch: 71830 %Rec RPD

Sample Sample Spike MSD MSD %Rec Analyte Result Qualifier Added Result Qualifier Unit D %Rec Limits RPD Limit 0.0990 Benzene <0.00201 U 0.1095 mg/Kg 70 - 130 28 35 111 Toluene <0.00201 U 0.0990 0.1078 109 70 - 130 27 35 mg/Kg Ethylbenzene 0.0990 126 <0.00201 U 0.1249 mg/Kg 70 - 130 25 35 m-Xylene & p-Xylene <0.00402 UF1 0.198 0.2585 F1 mg/Kg 131 70 - 130 27 35 <0.00201 U 0.0990 125 26 o-Xylene 0.1237 mg/Kg 70 - 130

MSD MSD

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	118		70 - 130
1,4-Difluorobenzene (Surr)	104		70 - 130

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

Lab Sample ID: MB 880-71494/1-A

Matrix: Solid

**Analysis Batch: 71545** 

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

Prep Batch: 71494

MB MB Analyte Result Qualifier RL Unit Prepared Analyzed Dil Fac Gasoline Range Organics <50.0 U 50.0 01/24/24 09:03 01/25/24 19:43 mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over <50.0 U 50.0 mg/Kg 01/24/24 09:03 01/25/24 19:43 C10-C28) Oll Range Organics (Over C28-C36) <50.0 U 50.0 mg/Kg 01/24/24 09:03 01/25/24 19:43

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130	01/24/24 09:03	01/25/24 19:43	1
o-Terphenyl	104		70 - 130	01/24/24 09:03	01/25/24 19:43	1

Lab Sample ID: LCS 880-71494/2-A

**Matrix: Solid** 

**Analysis Batch: 71545** 

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

Prep Batch: 71494

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics	1000	991.7		mg/Kg		99	70 - 130	 
(GRO)-C6-C10								
Diesel Range Organics (Over	1000	988.8		mg/Kg		99	70 - 130	
C10-C28)								

**Eurofins Carlsbad** 

1

2

**O** 

9

10

12

14

rofins Carisba

Client: Ensolum Job ID: 890-5999-1 Project/Site: Corral Canyon 16-4 St Fed Com 126H SDG: 03C15583C2

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

Lab Sample ID: LCS 880-71494/2-A

**Matrix: Solid** 

**Analysis Batch: 71545** 

**Client Sample ID: Lab Control Sample** 

Prep Type: Total/NA

Prep Batch: 71494

LCS LCS %Recovery Qualifier Limits Surrogate 1-Chlorooctane 98 70 - 130 o-Terphenyl 123 70 - 130

Lab Sample ID: LCSD 880-71494/3-A

Lab Sample ID: 880-38285-A-101-F MS

**Matrix: Solid** 

**Analysis Batch: 71545** 

**Client Sample ID: Lab Control Sample Dup** 

**Prep Type: Total/NA** 

Prep Batch: 71494

LCSD LCSD RPD %Rec Spike Analyte Added Result Qualifier Unit %Rec Limits RPD Limit Gasoline Range Organics 1000 976.2 mg/Kg 98 70 - 130 2 20 (GRO)-C6-C10 Diesel Range Organics (Over 1000 963.2 mg/Kg 96 70 - 130 3 20 C10-C28)

LCSD LCSD

Surrogate %Recovery Qualifier Limits 1-Chlorooctane 90 70 - 130 70 - 130 o-Terphenyl 108

**Client Sample ID: Matrix Spike** 

**Prep Type: Total/NA** 

Prep Batch: 71494

Sample Sample Spike MS MS %Rec Result Qualifier Added Result Qualifier Limits **Analyte** Unit D %Rec <49.8 U Gasoline Range Organics 999 871.2 mg/Kg 87 70 - 130 (GRO)-C6-C10 999 Diesel Range Organics (Over <49.8 U 963.8 mg/Kg 94 70 - 130

Spike

Added

999

999

MSD MSD

905.0

1023

Result Qualifier

Unit

mg/Kg

mg/Kg

C10-C28)

**Matrix: Solid** 

**Analysis Batch: 71545** 

MS MS Surrogate %Recovery Qualifier Limits 1-Chlorooctane 70 - 130 92 o-Terphenyl 86 70 - 130

Lab Sample ID: 880-38285-A-101-G MSD

**Matrix: Solid** 

**Analysis Batch: 71545** 

Gasoline Range Organics

Client Sample ID: Matrix Spike Duplicate

100

Prep Type: Total/NA

Prep Batch: 71494 %Rec **RPD** 

6

20

Limits **RPD** Limit %Rec 91 70 - 130 20

70 - 130

(GRO)-C6-C10

C10-C28)

**Analyte** 

Diesel Range Organics (Over

MSD MSD

Sample Sample

<49.8 U

<49.8 U

Result Qualifier

%Recovery Qualifier Limits Surrogate 1-Chlorooctane 96 70 - 130 o-Terphenyl 90 70 - 130

Client: Ensolum Project/Site: Corral Canyon 16-4 St Fed Com 126H Job ID: 890-5999-1

SDG: 03C15583C2

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

Lab Sample ID: MB 880-71622/1-A

Lab Sample ID: LCS 880-71622/2-A

**Matrix: Solid** 

Matrix: Solid

**Analysis Batch: 71655** 

**Analysis Batch: 71655** 

**Client Sample ID: Method Blank** 

**Prep Type: Total/NA** 

Prep Batch: 71622

	MB	MB						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		01/25/24 16:31	01/26/24 07:06	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		01/25/24 16:31	01/26/24 07:06	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		01/25/24 16:31	01/26/24 07:06	1

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	108		70 - 130	01/25/24 16:31	01/26/24 07:06	1
o-Terphenyl	129		70 - 130	01/25/24 16:31	01/26/24 07:06	1

**Client Sample ID: Lab Control Sample** 

**Prep Type: Total/NA** 

Prep Batch: 71622

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics (GRO)-C6-C10	1000	928.7		mg/Kg		93	70 - 130	
Diesel Range Organics (Over C10-C28)	1000	932.5		mg/Kg		93	70 - 130	

LCS LCS

Surrogate	%Recovery Qualifier	Limits
1-Chlorooctane	86	70 - 130
o-Terphenyl	109	70 - 130

**Client Sample ID: Lab Control Sample Dup** 

**Matrix: Solid** 

**Analysis Batch: 71655** 

Lab Sample ID: LCSD 880-71622/3-A

**Prep Type: Total/NA** Prep Batch: 71622 LCSD LCSD %Rec **RPD** 

_	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	1000	878.9		mg/Kg		88	70 - 130	6	20
Diesel Range Organics (Over C10-C28)	1000	863.5		mg/Kg		86	70 - 130	8	20

LCSD LCSD

Surrogate	%Recovery Qualitier	Limits
1-Chlorooctane	75	70 - 130
o-Terphenyl	92	70 - 130

Lab Sample ID: 890-6020-A-1-F MS Client Sample ID: Matrix Spike

**Matrix: Solid** 

**Analysis Batch: 71655** 

**Prep Type: Total/NA** Prep Batch: 71622

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics (GRO)-C6-C10	<50.5	U	1010	929.4		mg/Kg	<u> </u>	88	70 - 130	
Diesel Range Organics (Over C10-C28)	<50.5	U	1010	1269		mg/Kg		124	70 - 130	

Client: Ensolum Job ID: 890-5999-1 Project/Site: Corral Canyon 16-4 St Fed Com 126H SDG: 03C15583C2

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

MS MS

Lab Sample ID: 890-6020-A-1-F MS

**Matrix: Solid** 

**Analysis Batch: 71655** 

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 71622

%Recovery Qualifier Limits Surrogate 1-Chlorooctane 116 70 - 130 o-Terphenyl 119 70 - 130

Lab Sample ID: 890-6020-A-1-G MSD Client Sample ID: Matrix Spike Duplicate **Prep Type: Total/NA** 

**Matrix: Solid** 

**Analysis Batch: 71655** 

Prep Batch: 71622 MSD MSD %Rec **RPD** Sample Sample Spike Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits RPD Limit Gasoline Range Organics <50.5 U 1010 960.4 mg/Kg 91 70 - 130 3 20 (GRO)-C6-C10 Diesel Range Organics (Over <50.5 U 1010 1262 mg/Kg 123 70 - 130 20

C10-C28)

MSD MSD Surrogate %Recovery Qualifier Limits 1-Chlorooctane 114 70 - 130 70 - 130 o-Terphenyl 117

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-71573/1-A

**Matrix: Solid** 

**Analysis Batch: 71736** 

MB MB

Analyte Result Qualifier RL Unit Prepared Analyzed Dil Fac 5.00 Chloride <5.00 U 01/28/24 21:56 mg/Kg

Lab Sample ID: LCS 880-71573/2-A

**Matrix: Solid** 

**Analysis Batch: 71736** 

Spike LCS LCS %Rec Analyte Added Result Qualifier %Rec Limits Unit 250 109 Chloride 272.1 mg/Kg 90 - 110

Lab Sample ID: LCSD 880-71573/3-A

**Matrix: Solid** 

**Analysis Batch: 71736** 

Spike LCSD LCSD %Rec **RPD** Added Analyte Result Qualifier Unit %Rec Limits RPD Limit Chloride 250 273.7 mg/Kg 109 90 - 110

Lab Sample ID: 880-38374-A-12-B MS

**Matrix: Solid** 

**Analysis Batch: 71736** 

Sample Sample Spike MS MS %Rec Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits Chloride 2660 F1 1250 4029 90 - 110 mg/Kg 110

**Eurofins Carlsbad** 

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

**Prep Type: Soluble** 

Client Sample ID: Method Blank

Client Sample ID: Lab Control Sample Dup

**Prep Type: Soluble** 

**Client Sample ID: Matrix Spike** 

**Prep Type: Soluble** 

### **QC Sample Results**

Client: Ensolum Job ID: 890-5999-1 Project/Site: Corral Canyon 16-4 St Fed Com 126H SDG: 03C15583C2

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-38374-A-12-C MSD **Client Sample ID: Matrix Spike Duplicate Prep Type: Soluble** 

**Matrix: Solid** 

**Analysis Batch: 71736** 

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	2660	F1	1250	4042	F1	mg/Kg		111	90 - 110	0	20

# **QC Association Summary**

Job ID: 890-5999-1 Client: Ensolum Project/Site: Corral Canyon 16-4 St Fed Com 126H SDG: 03C15583C2

### **GC VOA**

#### Prep Batch: 71830

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5999-1	SS01	Total/NA	Solid	5035	
890-5999-2	SS02	Total/NA	Solid	5035	
890-5999-3	SS03	Total/NA	Solid	5035	
890-5999-4	SS04	Total/NA	Solid	5035	
MB 880-71830/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-71830/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-71830/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-38339-A-101-C MS	Matrix Spike	Total/NA	Solid	5035	
880-38339-A-101-D MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

#### **Analysis Batch: 72093**

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5999-1	SS01	Total/NA	Solid	8021B	71830
890-5999-2	SS02	Total/NA	Solid	8021B	71830
890-5999-3	SS03	Total/NA	Solid	8021B	71830
890-5999-4	SS04	Total/NA	Solid	8021B	71830
MB 880-71830/5-A	Method Blank	Total/NA	Solid	8021B	71830
LCS 880-71830/1-A	Lab Control Sample	Total/NA	Solid	8021B	71830
LCSD 880-71830/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	71830
880-38339-A-101-C MS	Matrix Spike	Total/NA	Solid	8021B	71830
880-38339-A-101-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	71830

#### **Analysis Batch: 72206**

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5999-1	SS01	Total/NA	Solid	Total BTEX	
890-5999-2	SS02	Total/NA	Solid	Total BTEX	
890-5999-3	SS03	Total/NA	Solid	Total BTEX	
890-5999-4	SS04	Total/NA	Solid	Total BTEX	

#### **GC Semi VOA**

#### Prep Batch: 71494

<b>Lab Sample ID</b> 890-5999-1	Client Sample ID SS01	Prep Type Total/NA	Matrix Solid	Method 8015NM Prep	Prep Batch
MB 880-71494/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-71494/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-71494/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-38285-A-101-F MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-38285-A-101-G MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

#### **Analysis Batch: 71545**

Released to Imaging: 10/22/2024 3:58:50 PM

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5999-1	SS01	Total/NA	Solid	8015B NM	71494
MB 880-71494/1-A	Method Blank	Total/NA	Solid	8015B NM	71494
LCS 880-71494/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	71494
LCSD 880-71494/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	71494
880-38285-A-101-F MS	Matrix Spike	Total/NA	Solid	8015B NM	71494
880-38285-A-101-G MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	71494



# **QC Association Summary**

Client: Ensolum

Project/Site: Corral Canyon 16-4 St Fed Com 126H

SDG: 03C15583C2

### **GC Semi VOA**

#### Prep Batch: 71622

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5999-2	SS02	Total/NA	Solid	8015NM Prep	
890-5999-3	SS03	Total/NA	Solid	8015NM Prep	
890-5999-4	SS04	Total/NA	Solid	8015NM Prep	
MB 880-71622/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-71622/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-71622/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-6020-A-1-F MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-6020-A-1-G MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

#### **Analysis Batch: 71655**

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5999-2	SS02	Total/NA	Solid	8015B NM	71622
890-5999-3	SS03	Total/NA	Solid	8015B NM	71622
890-5999-4	SS04	Total/NA	Solid	8015B NM	71622
MB 880-71622/1-A	Method Blank	Total/NA	Solid	8015B NM	71622
LCS 880-71622/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	71622
LCSD 880-71622/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	71622
890-6020-A-1-F MS	Matrix Spike	Total/NA	Solid	8015B NM	71622
890-6020-A-1-G MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	71622

#### **Analysis Batch: 71663**

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5999-1	SS01	Total/NA	Solid	8015 NM	
890-5999-2	SS02	Total/NA	Solid	8015 NM	
890-5999-3	SS03	Total/NA	Solid	8015 NM	
890-5999-4	SS04	Total/NA	Solid	8015 NM	

### HPLC/IC

#### Leach Batch: 71573

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5999-1	SS01	Soluble	Solid	DI Leach	
890-5999-2	SS02	Soluble	Solid	DI Leach	
890-5999-3	SS03	Soluble	Solid	DI Leach	
890-5999-4	SS04	Soluble	Solid	DI Leach	
MB 880-71573/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-71573/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-71573/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-38374-A-12-B MS	Matrix Spike	Soluble	Solid	DI Leach	
880-38374-A-12-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

#### **Analysis Batch: 71736**

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5999-1	SS01	Soluble	Solid	300.0	71573
890-5999-2	SS02	Soluble	Solid	300.0	71573
890-5999-3	SS03	Soluble	Solid	300.0	71573
890-5999-4	SS04	Soluble	Solid	300.0	71573
MB 880-71573/1-A	Method Blank	Soluble	Solid	300.0	71573
LCS 880-71573/2-A	Lab Control Sample	Soluble	Solid	300.0	71573
LCSD 880-71573/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	71573
880-38374-A-12-B MS	Matrix Spike	Soluble	Solid	300.0	71573

**Eurofins Carlsbad** 

2

4

6

8

9

11

12

## **QC Association Summary**

Job ID: 890-5999-1 Client: Ensolum Project/Site: Corral Canyon 16-4 St Fed Com 126H

SDG: 03C15583C2

### **HPLC/IC (Continued)**

**Analysis Batch: 71736 (Continued)** 

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-38374-A-12-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	71573

Client: Ensolum Project/Site: Corral Canyon 16-4 St Fed Com 126H

Job ID: 890-5999-1

SDG: 03C15583C2

**Client Sample ID: SS01** 

Lab Sample ID: 890-5999-1

Matrix: Solid

Date Collected: 01/19/24 12:54 Date Received: 01/22/24 08:09

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	71830	01/29/24 13:34	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	72093	02/01/24 16:45	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			72206	02/01/24 16:45	SM	EET MID
Total/NA	Analysis	8015 NM		1			71663	01/26/24 03:18	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	71494	01/24/24 09:03	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	71545	01/26/24 03:18	AJ	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	71573	01/25/24 09:38	SA	EET MID
Soluble	Analysis	300.0		50			71736	01/28/24 23:18	CH	EET MID

**Client Sample ID: SS02** Lab Sample ID: 890-5999-2

Date Collected: 01/19/24 12:57 **Matrix: Solid** Date Received: 01/22/24 08:09

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	71830	01/29/24 13:34	MNR	EET MIC
Total/NA	Analysis	8021B		1	5 mL	5 mL	72093	02/01/24 17:05	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			72206	02/01/24 17:05	SM	EET MID
Total/NA	Analysis	8015 NM		1			71663	01/26/24 13:52	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	71622	01/25/24 16:32	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	71655	01/26/24 13:52	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	71573	01/25/24 09:38	SA	EET MID
Soluble	Analysis	300.0		10			71736	01/28/24 23:24	CH	EET MID

**Client Sample ID: SS03** Lab Sample ID: 890-5999-3

Date Collected: 01/19/24 13:02 **Matrix: Solid** Date Received: 01/22/24 08:09

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035	_		5.03 g	5 mL	71830	01/29/24 13:34	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	72093	02/01/24 17:26	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			72206	02/01/24 17:26	SM	EET MID
Total/NA	Analysis	8015 NM		1			71663	01/26/24 14:39	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10 mL	71622	01/25/24 16:32	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	71655	01/26/24 14:39	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	71573	01/25/24 09:38	SA	EET MID
Soluble	Analysis	300.0		10			71736	01/28/24 23:31	CH	EET MID

**Client Sample ID: SS04** Lab Sample ID: 890-5999-4 Date Collected: 01/19/24 13:05 Matrix: Solid

Date Received: 01/22/24 08:09

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	71830	01/29/24 13:34	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	72093	02/01/24 17:46	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			72206	02/01/24 17:46	SM	EET MID

#### **Lab Chronicle**

Client: Ensolum Job ID: 890-5999-1 Project/Site: Corral Canyon 16-4 St Fed Com 126H SDG: 03C15583C2

Client Sample ID: SS04 Lab Sample ID: 890-5999-4 Date Collected: 01/19/24 13:05

**Matrix: Solid** 

Date Received: 01/22/24 08:09

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			71663	01/26/24 15:03	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	71622	01/25/24 16:32	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	71655	01/26/24 15:03	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	71573	01/25/24 09:38	SA	EET MID
Soluble	Analysis	300.0		5			71736	01/28/24 23:38	CH	EET MID

#### **Laboratory References:**

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

## **Accreditation/Certification Summary**

Client: Ensolum
Project/Site: Corral Canyon 16-4 St Fed Com 126H
SDG: 03C15583C2

### **Laboratory: Eurofins Midland**

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

uthority	Progra	am	Identification Number	Expiration Date
exas	NELA	ס	T104704400-23-26	06-30-24
The fellowing analyse	:	mt but the leberatory is r		ity. This list may include
The following analyte	s are included in this reno	n our meraporatory is r	not certitied by the doverning allthor	IIV THIS IIST MAY INCIDIGE
0 ,	s are included in this repo does not offer certification	,	not certified by the governing author	ity. This list may include
0 ,	•	,	Analyte	ity. This list may include
for which the agency	does not offer certification	•	, , ,	ity. This list may include

,

6

8

10

11

13

### **Method Summary**

Client: Ensolum

Project/Site: Corral Canyon 16-4 St Fed Com 126H

Job ID: 890-5999-1 SDG: 03C15583C2

ol	Laboratory	
3	EET MID	

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

#### **Protocol References:**

ASTM = ASTM International

EPA = US Environmental Protection Agency

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

#### **Laboratory References:**

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

## **Sample Summary**

Client: Ensolum

Project/Site: Corral Canyon 16-4 St Fed Com 126H

Job ID: 890-5999-1

SDG: 03C15583C2

Depth		
0.5'		
0.5'		

Lab Sample ID Client Sample ID Matrix Collected Received 890-5999-1 SS01 Solid 01/19/24 12:54 01/22/24 08:09 890-5999-2 SS02 Solid 01/19/24 12:57 01/22/24 08:09 0.5 890-5999-3 SS03 Solid 01/19/24 13:02 01/22/24 08:09 0.5' SS04 Solid 890-5999-4 01/19/24 13:05 01/22/24 08:09 0.5'

Bill to: (if a Company of Example of Sylore Date: Company of Sylore Date: Correction Factor: The lab, if received by 4:30 of Sampled Sample sale or TCLP / SPLP 6010:8		urofins Environment Testing	Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300 Midland, TX (432) 704-5440. San Antonio, TX (210) 506-2334	880-5999 Chain of Custody
work Order Comments .  Work Order Comments .  Project:  ig: Level III		Xenco	3	
Work Order Comments  i: UST/PST   PRP   Brownfields   RRC   Project  ig: Level III   PST/UST   TRRP   Direct Project    None: NO Direct Project   Preservative Co	Project Manager:		Con Con	vww.xenco.com Page
t: UST/PST   PRP   Brownfields   RRC    Bles: Level III   PST/UST   TRRP    Bles: EDD   ADaPT   Other:    Project	Company Name:	Ensolum 110	201187	
ig: Level III	Address:	1 0,000	y Name: XIC CTIETE	T/PST   PRP   Brownfields   RRC
bles: EDD Other:    Preservative Co   Preservative Co   None: NO DI	City, State ZIP:	Dec.39 N	3/02/ 15 (2/2)	L
Preservative    None: NO	phone:	- 0852	10/0/ L	EDD ADAPT Other:
None: NO  Cool: Cool  H2D 4: HP  NaH5O 4: HP  NaH5O 4: NABIS  Na 5. 203: NASO 3  Zn Acetate+NaOH  NaOH+Ascorbic Ac  Sample Corr  Sampl	roject Name:	10-4		1
None: NO  Cool; Cool  H2. HC  H2. Do 4: HP  NaH50 4: NABIS  Na5. 20.3: NABIS  Na9. Cool; Cool  Na9. 20.3: NABIS  NA9. Cool; Cool  Na9. 1631 / 245.1 / 7470 / 7471  Received by, (Signature)  Nabetal	roject Number:	15583C2 [JIROU	sh Pres,	rieservative
Cool: Cool HCL: HC H; SO 4; HP NaHSO 4; NABIS Na, S, 20; NASIO 3 Zn Acetate+NaOH NaOH+Ascorbic Ac Sample Con Sample Con Sample Con THU J PI J S J S J S J S J S J S J S J S J S J	roject Location:	3605	T	
H <sub>2</sub> SO <sub>4</sub> :HP NaHSO <sub>4</sub> :HP NaHSO <sub>4</sub> :HP NaHSO <sub>4</sub> :HP NaHSO <sub>4</sub> :HB NaOH+Ascorbic Acetate+NaOH NaOH+Ascorbi	ampler's Name: O #:	Macris	tdayrecelved by	
H <sub>3</sub> PO <sub>4</sub> : HP NaHSO 4: NABIS Na <sub>5</sub> 2 O <sub>3</sub> : NASO 3 Zn Acetate+NAOH NAOH+Ascorbic Acetate+NAOH NAOH+Asc	AMPLE RECEIPT	( )	T	
NaHSO 3: NABIS Na2 SO 3: NASIS Na2 SO 3: NASIS NACetate+NaOH NAOH+Ascorbic Ac Sample Con	Imples Received Intac	Yes No Thermometer ID:	S No	H <sub>3</sub> PO <sub>4</sub> :HP
Na 2 5 0 3 Na 2 5 0 3 Na 2 5 0 3 Na 2 0 3 Na 2 0 3 Na 2 0 3 Na 2 1 CO	ooler Custody Seals:	Yes No N/A	300	NaHSO 4: NABIS
In Acetate+NaOH NaOH+Ascorbic A Sample Con Sample Con (870/00/0)  If K Se Ag SiO <sub>2</sub> Na Sr TI Sn U V Zn Hg: 1631 / 245.1 / 7470 / 7471  Received by: (Signature) Date	ample Custody Seals:	No N/A	X 3	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub>
Sample Con    870/0/6/6    1870/0/6/6    771.3 8/14   18 Se Ag SiO <sub>2</sub> Na Sr TI Sn U V Zn    Hg: 1631/245.1/7470/7471   Received by: (Signature)   Date	otal Containers:	)	101	Zn Acetate+NaOH: Zn NaOH+Ascorbie Acid: SAPC
	Sample Identifi	Matrix Date	Grab/	
	あれだ へい	dwer	Comp	sample Comments
1870/D(O)  77/1.3814  MAR(\$3335]  NI K Se Ag SiO <sub>2</sub> Na Sr TI Sn U V Zn  Hg: 1631/245.1/7470 /7471  Received by: (Signature)  Received by: (Signature)  Pare	2000	> 1/8/dy 18.	-	1005+1611ter
INAL 3818  INAL 3818  INAL 3818  IN K Se Ag SiO <sub>2</sub> Na Sr TI Sn U V Zn  Hg: 1631/245.1/7470 /7471  Received by: (Signature)  Received by: (Signature)  Received by: (Signature)		3 NY	~	1001010781
VARY 3335  VI K Se Ag SiO <sub>2</sub> Na Sr TI Sn U V Zn  Hg: 1631 / 245.1 / 7470 / 7471  Received by: (Signature)  Received by: (Signature)  Received by: (Signature)	2000	5 1/4/dy 13:0	7	井いられま
Vi K Se Ag SiO <sub>2</sub> Na Sr TI Sn U V Zn Hg: 1631 / 245.1 / 7470 / 7471 Received by: (Signature) Date	Po	> 1/14/24	7	2335
Ni K Se Ag SiO <sub>2</sub> Na Sr Ti Sn U V .  Hg: 1631 / 245.1 / 7470 / 747  Hg: 631 / 245.1 / 7470 / 747  Received by: (Signature)	10			
Ni K Se Ag SiO <sub>2</sub> Na Sr Ti Sn U V Ag: 1631/245.1/7470/747	1000			
Ni K Se Ag SiO <sub>2</sub> Na Sr TI Sn U V; Hg: 1631/245.1/7470/747 Hg: 1631/245.1/7470/747				
Ni K Se Ag SiO <sub>2</sub> Na Sr 71 Sn U V; Hg: 1631/245.1/7470 /747 Hg: 631/245.1/7470 /747				
Mi K Se Ag SiO <sub>2</sub> Na Sr Ti Sn U V 3 Hg: 1631 / 245.1 / 7470 / 747 Hg: 1631 / 245.1 / 7470 / 747 Received by: (Signature)				
Hg: 1631 / 245.1 / 7470 / 747  Hg: 1631 / 245.1 / 7470 / 747  Received by: (Signature)	otal 200.7 / 6010	8RCR	Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb M	TI Sn U
Received by (Signature)	: Signature of this documer	TCLP / SP  tand relinquishment of samples constitutes a valid purchase order	P 6010 : BRCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo NI from client company to Eurofine kenno. It will find the and elicontraction. It is allowed to the company of the company	Hg: 1631 / 245.1
eceived by: (Signature)	ofins Xenco. A minimum ch	liable only for the cost of samples and shall not assume any respons arge of \$85.00 will be applied to each project and a charge of \$5 for	bolley for any losses or expenses incurred by the clean if such losses are due to circumstances leads rearried by the clean if such losses are due to circumstances be each sample submitted to Eurofins Xenco, but not analyzed. These teams will be enforced unk	rins and conditions spyrind the control ess spieviolisty negotialised.
Muny 1/19 1530	elinquished by: (Sig	gnature) Received by: (Signature)	Date/Time Date/Time Signat	scelved by: (Signature)
	Mer			1/19 1530

Loc: 890 

## **Login Sample Receipt Checklist**

Client: Ensolum Job Number: 890-5999-1 SDG Number: 03C15583C2

Login Number: 5999 **List Source: Eurofins Carlsbad** 

List Number: 1

Creator: Lopez, Abraham

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

## **Login Sample Receipt Checklist**

Client: Ensolum

Job Number: 890-5999-1

SDG Number: 03C15583C2

List Source: Eurofins Midland
List Number: 2
List Creation: 01/23/24 12:33 PM

Creator: Rodriguez, Leticia

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

Released to Imaging: 10/22/2024 3:58:50 PM

2

7

9

11

40

14

<6mm (1/4").

**Environment Testing** 

# **ANALYTICAL REPORT**

# PREPARED FOR

Attn: Ben Belill Ensolum

601 N. Marienfeld St.

Suite 400

Midland, Texas 79701

Generated 2/12/2024 10:12:10 AM

# **JOB DESCRIPTION**

Corral Canyon 16-4 ST Fed Com 126H 03C1558302

## **JOB NUMBER**

890-6065-1

Eurofins Carlsbad 1089 N Canal St. Carlsbad NM 88220

# **Eurofins Carlsbad**

## **Job Notes**

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

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

## **Authorization**

Generated 2/12/2024 10:12:10 AM

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

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

Page 2 of 39 2/12/2024 Released to Imaging: 10/22/2024 3:58:50 PM

Client: Ensolum Project/Site: Corral Canyon 16-4 ST Fed Com 126H Laboratory Job ID: 890-6065-1 SDG: 03C1558302

# **Table of Contents**

Cover Page	1
Table of Contents	3
Definitions/Glossary	4
Case Narrative	5
Client Sample Results	6
Surrogate Summary	16
QC Sample Results	17
QC Association Summary	21
Lab Chronicle	25
Certification Summary	29
Method Summary	30
Sample Summary	31
Chain of Custody	32
Receipt Checklists	37

#### **Definitions/Glossary**

Job ID: 890-6065-1 Client: Ensolum Project/Site: Corral Canyon 16-4 ST Fed Com 126H SDG: 03C1558302

**Qualifiers** 

**GC VOA** 

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

**GC Semi VOA** 

Qualifier **Qualifier Description** 

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

**HPLC/IC** 

Qualifier **Qualifier Description** 

Indicates the analyte was analyzed for but not detected.

**Glossary** 

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

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

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

DER Duplicate Error Ratio (normalized absolute difference)

Dil Fac **Dilution Factor** 

DL Detection Limit (DoD/DOE)

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

DLC Decision Level Concentration (Radiochemistry)

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

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

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

NC Not Calculated

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

NEG Negative / Absent POS Positive / Present

**PQL Practical Quantitation Limit** 

**PRES** Presumptive QC **Quality Control** 

RER Relative Error Ratio (Radiochemistry)

Reporting Limit or Requested Limit (Radiochemistry) RL

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

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

**TNTC** Too Numerous To Count

#### Case Narrative

Client: Ensolum Job ID: 890-6065-1

Project: Corral Canyon 16-4 ST Fed Com 126H

**Eurofins Carlsbad** Job ID: 890-6065-1

#### Job Narrative 890-6065-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

- Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

#### Receipt

The samples were received on 1/30/2024 9:18 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.0°C

#### Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: PH 01 (890-6065-1), PH 02 (890-6065-2), PH 03 (890-6065-3), PH 04 (890-6065-4), SS 05 (890-6065-5), SS 06 (890-6065-6), SS 07 (890-6065-7), SS 08 (890-6065-8), SS 09 (890-6065-9), SS 10 (890-6065-10), SS 11 (890-6065-11) and SS 12 (890-6065-12).

#### **GC VOA**

Method 8021B: Surrogate recovery for the following sample was outside control limits: PH 01 (890-6065-1). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

#### GC Semi VOA

Method 8015MOD NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 870-17831 and analytical batch 870-17833 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

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

#### HPLC/IC

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

Lab Sample ID: 890-6065-1

Client: Ensolum Job ID: 890-6065-1
Project/Site: Corral Canyon 16-4 ST Fed Com 126H SDG: 03C1558302

Project/Site: Corral Canyon 16-4 ST Fed Com 126H

Client Sample ID: PH 01
Date Collected: 01/29/24 09:45
Date Received: 01/30/24 09:18

Sample Depth: 2'

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		02/06/24 13:45	02/09/24 17:08	1
Toluene	<0.00199	U	0.00199	mg/Kg		02/06/24 13:45	02/09/24 17:08	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		02/06/24 13:45	02/09/24 17:08	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		02/06/24 13:45	02/09/24 17:08	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		02/06/24 13:45	02/09/24 17:08	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		02/06/24 13:45	02/09/24 17:08	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	240	S1+	70 - 130			02/06/24 13:45	02/09/24 17:08	1
1,4-Difluorobenzene (Surr)	92		70 - 130			02/06/24 13:45	02/09/24 17:08	1
Method: TAL SOP Total BTEX	- Total BTEX Cald	culation						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac

Total BTEX	<0.00398 U	0.00398	mg/Kg	02/09/24 17:08	1
Method: SW846 8015 NM - Diesel F	Range Organics (DRO)	(GC)			

motriou. Offo-to continue Diccorrunge	o guii	100 (5110) (00)	•					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	mg/Kg			02/08/24 04:16	1
_								

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)	<49.8	U F1	49.8	mg/Kg		02/02/24 16:37	02/08/24 04:16	1
Diesel Range Organics (Over C10-C28)	<49.8	U F1	49.8	mg/Kg		02/02/24 16:37	02/08/24 04:16	1
Oll Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		02/02/24 16:37	02/08/24 04:16	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analvzed	Dil Fac

-un egute	7011000101 gaa			·	
o-Terphenyl	94	70 - 130	02/02/24 1	02/08/24 04:16	1
1-Chlorooctane	88	70 - 130	02/02/24 1	16:37 02/08/24 04:16	1
_					

Method: EPA 300.0 - Anions, ion C	nromatograpn	iy - Soluble					
Analyte	Result C	Qualifier RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	62.5	4.96	mg/Kg			02/04/24 14:36	1

Client Sample ID: PH 02

Date Collected: 01/29/24 10:25

Lab Sample ID: 890-6065-2

Matrix: Solid

Date Received: 01/30/24 09:18

Sample Depth: 2'

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198	mg/Kg		02/06/24 13:45	02/09/24 17:28	1
Toluene	<0.00198	U	0.00198	mg/Kg		02/06/24 13:45	02/09/24 17:28	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		02/06/24 13:45	02/09/24 17:28	1
m-Xylene & p-Xylene	<0.00396	U	0.00396	mg/Kg		02/06/24 13:45	02/09/24 17:28	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		02/06/24 13:45	02/09/24 17:28	1
Xylenes, Total	<0.00396	U	0.00396	mg/Kg		02/06/24 13:45	02/09/24 17:28	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130			02/06/24 13:45	02/09/24 17:28	1
1,4-Difluorobenzene (Surr)	111		70 - 130			02/06/24 13:45	02/09/24 17:28	1

Eurofins Carlsbad

2

3

5

6

8

10

12

13

Lab Sample ID: 890-6065-2

02/08/24 05:18

02/08/24 05:18

02/02/24 16:37

02/02/24 16:37

Client: Ensolum

Job ID: 890-6065-1 Project/Site: Corral Canyon 16-4 ST Fed Com 126H SDG: 03C1558302

Client Sample ID: PH 02

Date Collected: 01/29/24 10:25 Date Received: 01/30/24 09:18

Sample Depth: 2'

Method: TAL SOP Total BTEX - Total BTEX Calculation									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Total BTEX	<0.00396	U	0.00396	mg/Kg			02/09/24 17:28	1	

Method: SW846 8015 NM - Diesel F	Range Organics (DRO) (G0	C)					
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1 U	50.1	mg/Kg			02/08/24 05:18	1

Total II II	٦٥٥.١	O	30.1	mg/rtg			02/00/24 03.10	'
Method: SW846 8015B NM - Dies	el Range Orga	nics (DRO)	(GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)	<50.1	U	50.1	mg/Kg		02/02/24 16:37	02/08/24 05:18	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1	mg/Kg		02/02/24 16:37	02/08/24 05:18	1
Oll Range Organics (Over C28-C36)	<50.1	U	50.1	mg/Kg		02/02/24 16:37	02/08/24 05:18	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac

_							
Method: EPA 300.0 - Anions, Ion Cl	nromatography - Soluble						
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	199	5.04	mg/Kg			02/04/24 14:42	1

70 - 130

70 - 130

103

92

<50.2 U

<50.2 U

Result Qualifier

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Client Sample ID: PH 03 Lab Sample ID: 890-6065-3 **Matrix: Solid** 

Date Collected: 01/29/24 15:00 Date Received: 01/30/24 09:18

Sample Depth: 2'

Total TPH

Analyte

o-Terphenyl

1-Chlorooctane

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		02/06/24 13:45	02/09/24 17:49	1
Toluene	<0.00201	U	0.00201	mg/Kg		02/06/24 13:45	02/09/24 17:49	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		02/06/24 13:45	02/09/24 17:49	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	mg/Kg		02/06/24 13:45	02/09/24 17:49	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		02/06/24 13:45	02/09/24 17:49	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		02/06/24 13:45	02/09/24 17:49	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130			02/06/24 13:45	02/09/24 17:49	1
1,4-Difluorobenzene (Surr)	114		70 - 130			02/06/24 13:45	02/09/24 17:49	1
Method: TAL SOP Total BTEX	- Total BTEX Cald	culation						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			02/09/24 17:49	1
- Method: SW846 8015 NM - Die	esel Range Organ	ics (DRO) (	GC)					
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac

**Eurofins Carlsbad** 

02/08/24 05:39

Analyzed

02/08/24 05:39

Prepared

02/02/24 16:37

50.2

RL

50.2

mg/Kg

Unit

mg/Kg

Dil Fac

Gasoline Range Organics (GRO)

## **Client Sample Results**

Client: Ensolum Job ID: 890-6065-1 Project/Site: Corral Canyon 16-4 ST Fed Com 126H SDG: 03C1558302

Lab Sample ID: 890-6065-3

Matrix: Solid

Date Collected: 01/29/24 15:00 Date Received: 01/30/24 09:18

**Client Sample ID: PH 03** 

Sample Depth: 2'

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.2	U	50.2	mg/Kg		02/02/24 16:37	02/08/24 05:39	1
OII Range Organics (Over C28-C36)	<50.2	U	50.2	mg/Kg		02/02/24 16:37	02/08/24 05:39	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
o-Terphenyl	102		70 - 130			02/02/24 16:37	02/08/24 05:39	1
	95		70 - 130			02/02/24 16:37	02/08/24 05:39	1

Unit Prepared Dil Fac Analyte Result Qualifier RLD Analyzed 4.99 02/05/24 07:55 Chloride 413 mg/Kg

Client Sample ID: PH 04

Lab Sample ID: 890-6065-4 Date Collected: 01/29/24 12:20 **Matrix: Solid** 

Date Received: 01/30/24 09:18

Sample Depth: 2'

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	mg/Kg		02/06/24 13:45	02/09/24 18:09	1
Toluene	<0.00202	U	0.00202	mg/Kg		02/06/24 13:45	02/09/24 18:09	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		02/06/24 13:45	02/09/24 18:09	1
m-Xylene & p-Xylene	<0.00403	U	0.00403	mg/Kg		02/06/24 13:45	02/09/24 18:09	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		02/06/24 13:45	02/09/24 18:09	1
Xylenes, Total	<0.00403	U	0.00403	mg/Kg		02/06/24 13:45	02/09/24 18:09	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)			70 - 130			02/06/24 13:45	02/09/24 18:09	1
1,4-Difluorobenzene (Surr)	111		70 - 130			02/06/24 13:45	02/09/24 18:09	1
Method: TAL SOP Total BTEX - 1	otal BTEX Calo	culation						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403	mg/Kg			02/09/24 18:09	1
Method: SW846 8015 NM - Diese	l Bango Organ	ice (DBO) (	30)					
Analyte	Range Organ Result	. , ,	*					
		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH			RL 50.4	Unit ma/Ka	D	Prepared	Analyzed 02/08/24 05:59	Dil Fac
Total TPH	<50.4		<b>RL</b> 50.4	mg/Kg	D	Prepared	<b>Analyzed</b> 02/08/24 05:59	
Total TPH  Method: SW846 8015B NM - Dies	<50.4	U	50.4		<u>D</u>	Prepared		
<del>-</del> -	<50.4	U	50.4		D 	Prepared Prepared		
: Method: SW846 8015B NM - Dies	<50.4	unics (DRO) Qualifier	50.4 (GC)	mg/Kg			02/08/24 05:59	1
Method: SW846 8015B NM - Dies Analyte	<50.4 sel Range Orga Result	unics (DRO) Qualifier	50.4 (GC)	mg/Kg		Prepared	02/08/24 05:59  Analyzed	1 Dil Fac
Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO) Diesel Range Organics (Over C10-C28)	<50.4 sel Range Orga Result <50.4	unics (DRO) Qualifier	50.4  (GC)  RL  50.4  50.4	mg/Kg  Unit  mg/Kg		Prepared 02/02/24 16:37	02/08/24 05:59  Analyzed 02/08/24 05:59	Dil Fac
Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO) Diesel Range Organics (Over	<50.4 sel Range Orga Result <50.4	unics (DRO) Qualifier U	50.4 (GC) RL 50.4	mg/Kg  Unit  mg/Kg		Prepared 02/02/24 16:37	02/08/24 05:59  Analyzed 02/08/24 05:59	Dil Fac
Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO) Diesel Range Organics (Over C10-C28)	<50.4 sel Range Orga Result <50.4 <50.4	unics (DRO) Qualifier U U	50.4  (GC)  RL  50.4  50.4	mg/Kg  Unit  mg/Kg  mg/Kg		Prepared 02/02/24 16:37 02/02/24 16:37	02/08/24 05:59  Analyzed 02/08/24 05:59 02/08/24 05:59	1 Dil Fac 1
Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO) Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	<50.4 sel Range Orga Result <50.4 <50.4 <50.4	unics (DRO) Qualifier U U	50.4  (GC)  RL  50.4  50.4  50.4	mg/Kg  Unit  mg/Kg  mg/Kg		Prepared 02/02/24 16:37 02/02/24 16:37	02/08/24 05:59  Analyzed 02/08/24 05:59 02/08/24 05:59 02/08/24 05:59	Dil Fac 1 1 1

Lab Sample ID: 890-6065-4

#### **Client Sample Results**

Client: Ensolum Job ID: 890-6065-1 Project/Site: Corral Canyon 16-4 ST Fed Com 126H SDG: 03C1558302

Client Sample ID: PH 04

Date Collected: 01/29/24 12:20 Date Received: 01/30/24 09:18

Sample Depth: 2'

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result Q	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	267		5.03	mg/Kg			02/05/24 08:02	1	

Client Sample ID: SS 05 Lab Sample ID: 890-6065-5 **Matrix: Solid** 

Date Collected: 01/29/24 15:25 Date Received: 01/30/24 09:18

Sample Depth: 0.5'

Analyte

Total TPH

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		02/06/24 13:45	02/09/24 18:30	1
Toluene	<0.00199	U	0.00199	mg/Kg		02/06/24 13:45	02/09/24 18:30	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		02/06/24 13:45	02/09/24 18:30	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		02/06/24 13:45	02/09/24 18:30	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		02/06/24 13:45	02/09/24 18:30	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		02/06/24 13:45	02/09/24 18:30	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 _ 130			02/06/24 13:45	02/09/24 18:30	1
1,4-Difluorobenzene (Surr)	110		70 - 130			02/06/24 13:45	02/09/24 18:30	1

Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	:
Method: SW846 8015 NM - Diesel Range	Organics (DRO) (GC)							
Total BTEX <	:0.00398 U	0.00398	mg/Kg		0.	2/09/24 18:30	1	

50.2

<50.2 U

Unit

mg/Kg

Prepared

Analyzed

02/08/24 06:20

Method: SW846 8015B NM - Dies	el Range Orga	nics (DRO)	(GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)	<50.2	U	50.2	mg/Kg		02/02/24 16:37	02/08/24 06:20	1
Diesel Range Organics (Over C10-C28)	<50.2	U	50.2	mg/Kg		02/02/24 16:37	02/08/24 06:20	1
Oll Range Organics (Over C28-C36)	<50.2	U	50.2	mg/Kg		02/02/24 16:37	02/08/24 06:20	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
o Torrebonid			70 120			00/00/04 16:27	02/09/24 06:20	

=				-	
o-Terphenyl	90	70 - 130	02/02/24 16:37	02/08/24 06:20	1
1-Chlorooctane	84	70 - 130	02/02/24 16:37	02/08/24 06:20	1
Г., .,,					

method: EPA 300.0 - Anions, ion Chromatography - Soluble								
	Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Chloride	257	5.05	mg/Kg			02/03/24 19:29	1

Client Sample ID: SS 06 Lab Sample ID: 890-6065-6 Date Collected: 01/29/24 14:00 **Matrix: Solid** 

Date Received: 01/30/24 09:18

Sample Depth: 0.5'

Method: SW846 8021B - Volatile Organic Compounds (GC)									
	Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Benzene	<0.00200	U	0.00200	mg/Kg		02/06/24 13:45	02/09/24 18:50	1

**Eurofins Carlsbad** 

Dil Fac

Lab Sample ID: 890-6065-6

Job ID: 890-6065-1

Client: Ensolum Project/Site: Corral Canyon 16-4 ST Fed Com 126H SDG: 03C1558302

Client Sample ID: SS 06

Date Collected: 01/29/24 14:00 Date Received: 01/30/24 09:18

Sample Depth: 0.5'

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	<0.00200	U	0.00200	mg/Kg		02/06/24 13:45	02/09/24 18:50	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		02/06/24 13:45	02/09/24 18:50	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		02/06/24 13:45	02/09/24 18:50	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		02/06/24 13:45	02/09/24 18:50	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		02/06/24 13:45	02/09/24 18:50	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130			02/06/24 13:45	02/09/24 18:50	1
1,4-Difluorobenzene (Surr)	109		70 - 130			02/06/24 13:45	02/09/24 18:50	1
Method: TAL SOP Total BTEX - 1	Total BTEX Cald	ulation						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			02/09/24 18:50	1
Total TPH	<49.7	U	49.7	mg/Kg				
Mathadi SW94C 904ED NM Dia	sal Danna Orma	nice (DDO)	(00)				02/08/24 06:41	1
	•		•	Unit	D	Propared		
Analyte	Result	Qualifier	RL	Unit ma/Ka	<u>D</u>	Prepared 02/02/24 16:37	Analyzed	Dil Fac
Analyte Gasoline Range Organics (GRO) Diesel Range Organics (Over	•	Qualifier U	•	<b>Unit</b> mg/Kg mg/Kg	<u>D</u>	Prepared 02/02/24 16:37 02/02/24 16:37		Dil Fac
Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO) Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36)	<b>Result</b> <49.7	Qualifier U U	RL 49.7	mg/Kg	<u> </u>	02/02/24 16:37	Analyzed 02/08/24 06:41	Dil Fac
Analyte Gasoline Range Organics (GRO) Diesel Range Organics (Over C10-C28)	Result <49.7	Qualifier U U	49.7 49.7	mg/Kg mg/Kg	<u> </u>	02/02/24 16:37 02/02/24 16:37	Analyzed 02/08/24 06:41 02/08/24 06:41	Dil Fac
Analyte Gasoline Range Organics (GRO) Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)  Surrogate	Result <49.7 <49.7 <49.7	Qualifier U U U	RL 49.7 49.7 49.7	mg/Kg mg/Kg	<u>D</u>	02/02/24 16:37 02/02/24 16:37 02/02/24 16:37	Analyzed 02/08/24 06:41 02/08/24 06:41 02/08/24 06:41	Dil Fac
Analyte Gasoline Range Organics (GRO) Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)  Surrogate	Result   <49.7   <49.7   <49.7   <49.7   <49.7     <49.7     <60     <60     <60     <60     <60     <60     <60     <60   <60     <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60   <60	Qualifier U U U	49.7 49.7 49.7 Limits	mg/Kg mg/Kg	<u> </u>	02/02/24 16:37 02/02/24 16:37 02/02/24 16:37 Prepared	Analyzed 02/08/24 06:41 02/08/24 06:41 02/08/24 06:41 Analyzed	Dil Fac
Analyte Gasoline Range Organics (GRO) Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36)  Surrogate o-Terphenyl	Result	Qualifier U U Qualifier	RL 49.7 49.7 49.7 Limits 70 - 130 70 - 130	mg/Kg mg/Kg	<u> </u>	02/02/24 16:37 02/02/24 16:37 02/02/24 16:37 Prepared 02/02/24 16:37	Analyzed 02/08/24 06:41 02/08/24 06:41 02/08/24 06:41  Analyzed 02/08/24 06:41	Dil Fac
Analyte Gasoline Range Organics (GRO) Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36)  Surrogate o-Terphenyl 1-Chlorooctane	Result	Qualifier U U Qualifier	RL 49.7 49.7 49.7 Limits 70 - 130 70 - 130	mg/Kg mg/Kg	<u>D</u>	02/02/24 16:37 02/02/24 16:37 02/02/24 16:37 Prepared 02/02/24 16:37	Analyzed 02/08/24 06:41 02/08/24 06:41 02/08/24 06:41  Analyzed 02/08/24 06:41	Dil Fac

Client Sample ID: SS 07 Lab Sample ID: 890-6065-7 Date Collected: 01/29/24 14:10 Matrix: Solid

Date Received: 01/30/24 09:18

Sample Depth: 0.5'

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		02/06/24 13:45	02/09/24 19:11	
Toluene	<0.00200	U	0.00200	mg/Kg		02/06/24 13:45	02/09/24 19:11	
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		02/06/24 13:45	02/09/24 19:11	•
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		02/06/24 13:45	02/09/24 19:11	
o-Xylene	<0.00200	U	0.00200	mg/Kg		02/06/24 13:45	02/09/24 19:11	
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		02/06/24 13:45	02/09/24 19:11	,
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)			70 - 130			02/06/24 13:45	02/09/24 19:11	-
1,4-Difluorobenzene (Surr)	111		70 - 130			02/06/24 13:45	02/09/24 19:11	

Client: Ensolum Job ID: 890-6065-1
Project/Site: Corral Canyon 16-4 ST Fed Com 126H SDG: 03C1558302

Client Sample ID: SS 07 Lab Sample ID: 890-6065-7

Date Collected: 01/29/24 14:10
Date Received: 01/30/24 09:18

Result Qualifier

507

Sample Depth: 0.5'

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400	mg/Kg			02/09/24 19:11	1
Method: SW846 8015 NM - Diesel	l Range Organi	ics (DRO) (	GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	51.0		50.0	mg/Kg			02/08/24 07:02	1
Method: SW846 8015B NM - Dies Analyte	•	nics (DRO) Qualifier	(GC) RL	Unit	D	Prepared	Analyzed	Dil Fac
	•			Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)	<50.0	U	50.0	mg/Kg		02/02/24 16:37	02/08/24 07:02	1
Diesel Range Organics (Over C10-C28)	51.0		50.0	mg/Kg		02/02/24 16:37	02/08/24 07:02	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		02/02/24 16:37	02/08/24 07:02	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
o-Terphenyl	97		70 - 130			02/02/24 16:37	02/08/24 07:02	1
1-Chlorooctane	87		70 - 130			02/02/24 16:37	02/08/24 07:02	1

Client Sample ID: SS 08

Date Collected: 01/29/24 14:30

Lab Sample ID: 890-6065-8

Matrix: Solid

RL

4.95

Unit

mg/Kg

D

Prepared

Analyzed

02/03/24 19:49

Dil Fac

Date Collected: 01/29/24 14:30 Date Received: 01/30/24 09:18

Sample Depth: 0.5'

Analyte

Chloride

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		02/06/24 13:45	02/09/24 19:31	1
Toluene	< 0.00199	U	0.00199	mg/Kg		02/06/24 13:45	02/09/24 19:31	1
Ethylbenzene	< 0.00199	U	0.00199	mg/Kg		02/06/24 13:45	02/09/24 19:31	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		02/06/24 13:45	02/09/24 19:31	1
o-Xylene	< 0.00199	U	0.00199	mg/Kg		02/06/24 13:45	02/09/24 19:31	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		02/06/24 13:45	02/09/24 19:31	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130			02/06/24 13:45	02/09/24 19:31	1
1,4-Difluorobenzene (Surr)	113		70 - 130			02/06/24 13:45	02/09/24 19:31	1
Method: TAL SOP Total BTEX -	Total BTEX Cald	culation						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	
, j to							-	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg		·	02/09/24 19:31	Dil Fac
	<0.00398			mg/Kg			02/09/24 19:31	Dil Fac
Total BTEX	<0.00398			mg/Kg		Prepared	02/09/24 19:31  Analyzed	Dil Fac Dil Fac
Total BTEX  Method: SW846 8015 NM - Dies	<0.00398	ics (DRO) (0	GC)		<u>D</u>	Prepared		1
Total BTEX  Method: SW846 8015 NM - Dies Analyte	<0.00398 sel Range Organ Result 55.7	ics (DRO) (G	RL 50.0	Unit	<u>D</u>	Prepared	Analyzed	1
Total BTEX  Method: SW846 8015 NM - Dies Analyte Total TPH	<0.00398  sel Range Organ Result 55.7  esel Range Orga	ics (DRO) (G	RL 50.0	Unit	<u>D</u>	Prepared Prepared	Analyzed	1

Client: Ensolum Job ID: 890-6065-1 Project/Site: Corral Canyon 16-4 ST Fed Com 126H SDG: 03C1558302

Client Sample ID: SS 08 Lab Sample ID: 890-6065-8 Date Collected: 01/29/24 14:30 Matrix: Solid Date Received: 01/30/24 09:18

Sample Depth: 0.5'

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over	55.7		50.0	mg/Kg		02/02/24 16:37	02/08/24 07:22	1
C10-C28)								
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		02/02/24 16:37	02/08/24 07:22	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
o-Terphenyl	100		70 - 130			02/02/24 16:37	02/08/24 07:22	1
1-Chlorooctane	92		70 - 130			02/02/24 16:37	02/08/24 07:22	1
- -								
Method: EPA 300.0 - Anions, Ion	Chromatograp	hy - Solubl	е					

Client Sample ID: SS 09 Lab Sample ID: 890-6065-9 Matrix: Solid

5.02

mg/Kg

204

Date Collected: 01/29/24 14:35 Date Received: 01/30/24 09:18

Sample Depth: 0.5'

Chloride

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		02/06/24 13:45	02/09/24 19:51	1
Toluene	<0.00201	U	0.00201	mg/Kg		02/06/24 13:45	02/09/24 19:51	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		02/06/24 13:45	02/09/24 19:51	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	mg/Kg		02/06/24 13:45	02/09/24 19:51	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		02/06/24 13:45	02/09/24 19:51	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		02/06/24 13:45	02/09/24 19:51	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130			02/06/24 13:45	02/09/24 19:51	1
1,4-Difluorobenzene (Surr)	113		70 - 130			02/06/24 13:45	02/09/24 19:51	1
Method: TAL SOP Total BTEX - T								
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			02/09/24 19:51	1
Method: SW846 8015 NM - Diese	l Range Organ	ics (DRO) (	GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			02/08/24 07:43	1
Method: SW846 8015B NM - Dies	sel Range Orga	nics (DRO)	(GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)	<49.9	U	49.9	mg/Kg		02/02/24 16:37	02/08/24 07:43	1
Diesel Range Organics (Over	<49.9	U	49.9	mg/Kg		02/02/24 16:37	02/08/24 07:43	1
C10-C28)								
OII Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		02/02/24 16:37	02/08/24 07:43	1
	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Surrogate								
Surrogate o-Terphenyl	98		70 - 130			02/02/24 16:37	02/08/24 07:43	1

**Eurofins Carlsbad** 

02/03/24 19:54

Lab Sample ID: 890-6065-9

## **Client Sample Results**

Client: Ensolum Job ID: 890-6065-1 Project/Site: Corral Canyon 16-4 ST Fed Com 126H SDG: 03C1558302

Client Sample ID: SS 09 Date Collected: 01/29/24 14:35

Date Received: 01/30/24 09:18

Sample Depth: 0.5'

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble								
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	445		5.05	mg/Kg			02/03/24 19:58	1

**Client Sample ID: SS 10** Lab Sample ID: 890-6065-10 **Matrix: Solid** 

Date Collected: 01/29/24 14:40 Date Received: 01/30/24 09:18

Sample Depth: 0.5'

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	mg/Kg		02/06/24 13:45	02/09/24 20:12	1
Toluene	<0.00202	U	0.00202	mg/Kg		02/06/24 13:45	02/09/24 20:12	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		02/06/24 13:45	02/09/24 20:12	1
m-Xylene & p-Xylene	<0.00404	U	0.00404	mg/Kg		02/06/24 13:45	02/09/24 20:12	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		02/06/24 13:45	02/09/24 20:12	1
Xylenes, Total	<0.00404	U	0.00404	mg/Kg		02/06/24 13:45	02/09/24 20:12	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130			02/06/24 13:45	02/09/24 20:12	1
1,4-Difluorobenzene (Surr)	111		70 - 130			02/06/24 13:45	02/09/24 20:12	1

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404	mg/Kg			02/09/24 20:12	1
— Mothod: SW846 8015 NM - Diosol P	ango Organ	ice (DPO) ((	30)					

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)									
	Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Total TPH	<49.6	U	49.6	mg/Kg			02/08/24 08:04	1

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)	<49.6	U	49.6	mg/Kg		02/02/24 16:37	02/08/24 08:04	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6	mg/Kg		02/02/24 16:37	02/08/24 08:04	1
Oll Range Organics (Over C28-C36)	<49.6	U	49.6	mg/Kg		02/02/24 16:37	02/08/24 08:04	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
o-Terphenyl	97		70 - 130			02/02/24 16:37	02/08/24 08:04	1

1-Chlorooctane	91		70 - 130			02/02/24 16:37	02/08/24 08:04	1
Method: EPA 300.0 - Anions, Ion Ch	nromatograp	hy - Soluble	9					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	413		5.00	mg/Kg			02/03/24 20:03	1

Client Sample ID: SS 11 Lab Sample ID: 890-6065-11 **Matrix: Solid** 

Date Collected: 01/29/24 14:45 Date Received: 01/30/24 09:18

Sample Depth: 0.5'

 Method: SW846 8021B - Volatile C	rganic Comp	ounds (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		02/06/24 13:45	02/09/24 22:02	1

Client: Ensolum

Job ID: 890-6065-1

Project/Site: Corral Capyon 16-4 ST Fed Com 126H

SDG: 03C1558302

Project/Site: Corral Canyon 16-4 ST Fed Com 126H

Client Sample ID: SS 11

Lab Sample ID: 890-6065-11

Date Collected: 01/29/24 14:45

Date Received: 01/30/24 09:18

Servela Poeth: 0.5!

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Toluene	<0.00200	U	0.00200	mg/Kg		02/06/24 13:45	02/09/24 22:02	
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		02/06/24 13:45	02/09/24 22:02	
m-Xylene & p-Xylene	<0.00401	U	0.00401	mg/Kg		02/06/24 13:45	02/09/24 22:02	
o-Xylene	<0.00200	U	0.00200	mg/Kg		02/06/24 13:45	02/09/24 22:02	
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		02/06/24 13:45	02/09/24 22:02	,
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	85		70 - 130			02/06/24 13:45	02/09/24 22:02	
1,4-Difluorobenzene (Surr)	104		70 - 130			02/06/24 13:45	02/09/24 22:02	

Method: TAL SOP Total BTEX - Total BTEX Calculation									
	Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Total BTEX	<0.00401	U	0.00401	mg/Kg			02/09/24 22:02	1

Method: SW846 8015 NM - Diesel R	Range Organi	ics (DRO) (G	iC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1	mg/Kg			02/08/24 08:45	1

Method: SW846 8015B NM - Dies	sel Range Orga	nics (DRO)	(GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)	<50.1	U	50.1	mg/Kg		02/02/24 16:37	02/08/24 08:45	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1	mg/Kg		02/02/24 16:37	02/08/24 08:45	1
Oll Range Organics (Over C28-C36)	<50.1	U	50.1	mg/Kg		02/02/24 16:37	02/08/24 08:45	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
o-Terphenyl	100		70 - 130			02/02/24 16:37	02/08/24 08:45	1

Method: EPA 300.0 - Anions, Ion C	hromatography - Soluble						
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	321	5.04	mg/Kg			02/03/24 20:08	1

70 - 130

Chloride 321 5.04 mg/Kg 02/03/24 20:08 1
Client Sample ID: SS 12 Lab Sample ID: 890-6065-12

Date Collected: 01/29/24 15:15 Date Received: 01/30/24 09:18 Sample Depth: 0.5'

1-Chlorooctane

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198	mg/Kg		02/06/24 13:45	02/09/24 22:23	1
Toluene	<0.00198	U	0.00198	mg/Kg		02/06/24 13:45	02/09/24 22:23	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		02/06/24 13:45	02/09/24 22:23	1
m-Xylene & p-Xylene	<0.00396	U	0.00396	mg/Kg		02/06/24 13:45	02/09/24 22:23	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		02/06/24 13:45	02/09/24 22:23	1
Xylenes, Total	<0.00396	U	0.00396	mg/Kg		02/06/24 13:45	02/09/24 22:23	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		70 - 130			02/06/24 13:45	02/09/24 22:23	1
1,4-Difluorobenzene (Surr)	110		70 - 130			02/06/24 13:45	02/09/24 22:23	1

**Eurofins Carlsbad** 

02/02/24 16:37 02/08/24 08:45

2

3

5

7

9

10

12

10

**Matrix: Solid** 

o-Terphenyl

**Matrix: Solid** 

02/02/24 16:37

02/08/24 09:06

#### **Client Sample Results**

Client: Ensolum Job ID: 890-6065-1 Project/Site: Corral Canyon 16-4 ST Fed Com 126H SDG: 03C1558302

Client Sample ID: SS 12 Lab Sample ID: 890-6065-12

Date Collected: 01/29/24 15:15 Date Received: 01/30/24 09:18

103

Sample Depth: 0.5' **Method: TAL SOP Total BTEX - Total BTEX Calculation** Analyte Result Qualifier Unit Dil Fac RL D Prepared Analyzed Total BTEX <0.00396 U 02/09/24 22:23 0.00396 mg/Kg

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC) Analyte Result Qualifier Unit Analyzed Dil Fac RL D Prepared <50.4 U Total TPH 50.4 02/08/24 09:06 mg/Kg

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) Result Qualifier Analyte RL Unit D Prepared Analyzed Dil Fac Gasoline Range Organics (GRO) <50.4 U 50.4 02/02/24 16:37 02/08/24 09:06 mg/Kg 50.4 02/02/24 16:37 02/08/24 09:06 Diesel Range Organics (Over <50.4 U mg/Kg C10-C28) Oll Range Organics (Over C28-C36) <50.4 U 50.4 mg/Kg 02/02/24 16:37 02/08/24 09:06 %Recovery Qualifier Limits Dil Fac Surrogate Prepared Analyzed

1-Chlorooctane 97 70 - 130 02/02/24 16:37 02/08/24 09:06 Method: EPA 300.0 - Anions, Ion Chromatography - Soluble Result Qualifier Analyte RL Unit D Prepared Analyzed

70 - 130

Dil Fac 5.01 Chloride 430 mg/Kg 02/03/24 20:23

## **Surrogate Summary**

Client: Ensolum Job ID: 890-6065-1 Project/Site: Corral Canyon 16-4 ST Fed Com 126H SDG: 03C1558302

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid Prep Type: Total/NA

				Percent Surrogate Recovery (Acceptance Limits)
		BFB1	DFBZ1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
890-6065-1	PH 01	240 S1+	92	
890-6065-1 MS	PH 01	108	106	
890-6065-1 MSD	PH 01	104	104	
890-6065-2	PH 02	98	111	
890-6065-3	PH 03	96	114	
890-6065-4	PH 04	111	111	
890-6065-5	SS 05	106	110	
890-6065-6	SS 06	111	109	
890-6065-7	SS 07	110	111	
890-6065-8	SS 08	102	113	
890-6065-9	SS 09	110	113	
890-6065-10	SS 10	108	111	
890-6065-11	SS 11	85	104	
890-6065-12	SS 12	88	110	
LCS 880-72504/1-A	Lab Control Sample	103	108	
LCSD 880-72504/2-A	Lab Control Sample Dup	95	105	
LUSD 000-72304/2-A		119	127	

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

DFBZ = 1,4-Difluorobenzene (Surr)

Matrix: Solid Prep Type: Total/NA

				Percent Surrogate Recovery (Acceptance Limits)
		OTPH1	1CO1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
890-6065-1	PH 01	94	88	
890-6065-1 MS	PH 01	76	79	
890-6065-1 MSD	PH 01	72	75	
890-6065-2	PH 02	103	92	
890-6065-3	PH 03	102	95	
890-6065-4	PH 04	104	95	
890-6065-5	SS 05	90	84	
890-6065-6	SS 06	97	88	
890-6065-7	SS 07	97	87	
890-6065-8	SS 08	100	92	
890-6065-9	SS 09	98	96	
890-6065-10	SS 10	97	91	
890-6065-11	SS 11	100	92	
890-6065-12	SS 12	103	97	
LCS 870-17831/1-A	Lab Control Sample	102	107	
LCSD 870-17831/2-A	Lab Control Sample Dup	101	107	
2000 010 1100 112 11	Method Blank	106	102	

1CO = 1-Chlorooctane

**Eurofins Carlsbad** 

Released to Imaging: 10/22/2024 3:58:50 PM

## **QC Sample Results**

Client: Ensolum Job ID: 890-6065-1
Project/Site: Corral Canyon 16-4 ST Fed Com 126H SDG: 03C1558302

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-72504/5-A

Matrix: Solid Analysis Batch: 72754 Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 72504

1

	MB	MR						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0.00200	U	0.00200	mg/Kg		02/06/24 13:45	02/09/24 16:39	
Toluene	<0.00200	U	0.00200	mg/Kg		02/06/24 13:45	02/09/24 16:39	
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		02/06/24 13:45	02/09/24 16:39	
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		02/06/24 13:45	02/09/24 16:39	
o-Xylene	<0.00200	U	0.00200	mg/Kg		02/06/24 13:45	02/09/24 16:39	
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		02/06/24 13:45	02/09/24 16:39	

MB MB

Surrogate	%Recovery	Qualifier	Limits	1	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		70 - 130	02/	06/24 13:45	02/09/24 16:39	1
1,4-Difluorobenzene (Surr)	127		70 - 130	02/	06/24 13:45	02/09/24 16:39	1

Lab Sample ID: LCS 880-72504/1-A Client Sam

Matrix: Solid

Analysis Batch: 72754

Client Sample ID: Lab Control Sample

Prep Type: Total/NA Prep Batch: 72504

LCS LCS Spike Analyte Added Result Qualifier Unit %Rec Limits Benzene 0.100 0.1096 mg/Kg 110 70 - 130 Toluene 0.100 0.09393 mg/Kg 94 70 - 130 0.100 0.09541 Ethylbenzene mg/Kg 95 70 - 130 0.200 107 70 - 130 m-Xylene & p-Xylene 0.2141 mg/Kg 0.100 70 - 130 o-Xylene 0.09277 mg/Kg 93

LCS LCS

Surrogate	%Recovery Qu	ualifier	Limits
4-Bromofluorobenzene (Surr)	103		70 - 130
1,4-Difluorobenzene (Surr)	108		70 - 130

Lab Sample ID: LCSD 880-72504/2-A

Matrix: Solid

Analysis Batch: 72754

**Client Sample ID: Lab Control Sample Dup** 

Prep Type: Total/NA Prep Batch: 72504

Prep Batch: 72504

	Spike	LCSD	LCSD				%Rec		RPD	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Benzene	0.100	0.1034		mg/Kg		103	70 - 130	6	35	
Toluene	0.100	0.09777		mg/Kg		98	70 - 130	4	35	
Ethylbenzene	0.100	0.09367		mg/Kg		94	70 - 130	2	35	
m-Xylene & p-Xylene	0.200	0.1975		mg/Kg		99	70 - 130	8	35	
o-Xylene	0.100	0.08515		mg/Kg		85	70 - 130	9	35	

LCSD LCSD

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	95		70 - 130
1 4-Difluorobenzene (Surr)	105		70 - 130

Lab Sample ID: 890-6065-1 MS

**Matrix: Solid** 

Analysis Batch: 72754

Client Sample ID: PH 01
Prep Type: Total/NA

Prep Batch: 72504

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.00199	U	0.100	0.09946		mg/Kg		99	70 - 130	
Toluene	< 0.00199	U	0.100	0.09257		mg/Kg		92	70 - 130	

**Eurofins Carlsbad** 

Page 17 of 39

Client Sample ID: PH 01

## **QC Sample Results**

Client: Ensolum Job ID: 890-6065-1 Project/Site: Corral Canyon 16-4 ST Fed Com 126H SDG: 03C1558302

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

Lab Sample ID: 890-6065-1 MS

An

atrix: Solid									Prep Type: Tota	al/NA
nalysis Batch: 72754									Prep Batch: 7	2504
	Sample	Sample	Spike	MS	MS				%Rec	
nalyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	

Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Ethylbenzene	<0.00199	U	0.100	0.09174		mg/Kg		92	70 - 130	
m-Xylene & p-Xylene	<0.00398	U	0.200	0.2088		mg/Kg		104	70 - 130	
o-Xylene	<0.00199	U	0.100	0.09047		mg/Kg		90	70 - 130	

MS MS

Surrogate	%Recovery Qualifie	r Limits
4-Bromofluorobenzene (Surr)	108	70 - 130
1,4-Difluorobenzene (Surr)	106	70 - 130

-	Sample Sample	Spike	MSD MSD	%Rec	RPD
Analysis Batch: 72754				Prep Batch: 72	504
Matrix: Solid				Prep Type: Total	/NA
Lab Sample ID: 890-6065-1 M	SD			Client Sample ID: PH	01

Result Qualifier Added Result Qualifier RPD Analyte Unit %Rec Limits Limit 0.101 Benzene <0.00199 U 0.09528 mg/Kg 95 70 - 130 4 35 Toluene <0.00199 U 0.101 0.09026 90 70 - 130 35 mg/Kg 3 Ethylbenzene <0.00199 U 0.101 0.08571 85 70 - 130 35 mg/Kg m-Xylene & p-Xylene <0.00398 U 0.202 0.1834 91 70 - 130 35 mg/Kg 13 <0.00199 U 0.101 0.08671 70 - 130 o-Xylene mg/Kg 86

MSD MSD

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

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

Lab Sample ID: MB 870-17831/3-A Client Sample ID: Method Blank **Matrix: Solid** Prep Type: Total/NA Prep Batch: 17831

Analysis Batch: 17833

	IVID	IVID						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)	<50.0	U	50.0	mg/Kg		02/02/24 16:37	02/08/24 03:55	1
Diesel Range Organics (Over	<50.0	U	50.0	mg/Kg		02/02/24 16:37	02/08/24 03:55	1
C10-C28)								
OII Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		02/02/24 16:37	02/08/24 03:55	1

MB MB

MR MR

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	106	70 - 130	02/02/24 16:37	02/08/24 03:55	1
1-Chlorooctane	102	70 <sub>-</sub> 130	02/02/24 16:37	02/08/24 03:55	1

**Analysis Batch: 17833** 

ab Sample ID: LCS 870-17831/1-A	Client Sample ID: Lab Control Sample
atrix: Solid	Prep Type: Total/NA

	Spike	LCS	LCS				%Rec
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits
Gasoline Range Organics (GRO)	1020	773.6		mg/Kg		76	70 - 130
Diesel Range Organics (Over	1010	960.6		mg/Kg		95	70 - 130
C10-C28)							

Prep Batch: 17831

Client: Ensolum Job ID: 890-6065-1 Project/Site: Corral Canyon 16-4 ST Fed Com 126H SDG: 03C1558302

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

LCS LCS

Lab Sample ID: LCS 870-17831/1-A Client Sample ID: Lab Control Sample

**Matrix: Solid** 

Analysis Batch: 17833

Prep Type: Total/NA

Prep Batch: 17831

Surrogate %Recovery Qualifier Limits o-Terphenyl 102 70 - 130 1-Chlorooctane 107 70 - 130

Lab Sample ID: LCSD 870-17831/2-A Client Sample ID: Lab Control Sample Dup

**Matrix: Solid** 

Analysis Batch: 17833

Analysis Batch: 17833

Prep Type: Total/NA Prep Batch: 17831

%Rec RPD Limits RPD Limit

Spike LCSD LCSD Analyte Added Result Qualifier Unit D %Rec Gasoline Range Organics (GRO) 1020 776.7 76 70 - 130O 20 mg/Kg Diesel Range Organics (Over 1010 969.3 mg/Kg 96 70 - 130 20 C10-C28)

LCSD LCSD

Surrogate	%Recovery	Qualifier	Limits
o-Terphenyl	101		70 - 130
1-Chlorooctane	107		70 - 130

Lab Sample ID: 890-6065-1 MS Client Sample ID: PH 01 **Matrix: Solid** 

Prep Type: Total/NA Prep Batch: 17831

MS MS %Rec Sample Sample Spike Qualifier Added Result Qualifier %Rec Limits Result Unit D U F1 1020 620.6 F1 61 70 - 130 Gasoline Range Organics (GRO) <49.8 mg/Kg Diesel Range Organics (Over <49.8 U F1 1010 735.9 F1 mg/Kg 69 70 - 130

C10-C28)

MS MS %Recovery Qualifier Surrogate Limits o-Terphenyl 76 70 - 130 1-Chlorooctane 79 70 - 130

Lab Sample ID: 890-6065-1 MSD Client Sample ID: PH 01 **Matrix: Solid** 

**Analysis Batch: 17833** 

Prep Type: Total/NA

Prep Batch: 17831

MSD MSD Sample Sample Spike %Rec RPD RPD Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits Limit <49.8 U F1 650.7 F1 Gasoline Range Organics (GRO) 1020 64 70 - 130 20 mg/Kg 5 Diesel Range Organics (Over <49.8 U F1 1010 696.1 F1 mg/Kg 65 70 - 130 20 C10-C28)

MSD MSD

Surrogate	%Recovery	Qualifier	Limits
o-Terphenyl	72		70 - 130
1-Chlorooctane	75		70 - 130

Dil Fac

Client Sample ID: Method Blank

Analyzed

02/03/24 18:45

Client Sample ID: Lab Control Sample

Client Sample ID: Lab Control Sample Dup

**Prep Type: Soluble** 

**Prep Type: Soluble** 

**Prep Type: Soluble** 

Client Sample ID: SS 11

Client Sample ID: SS 11 **Prep Type: Soluble** 

Client Sample ID: Method Blank

Client Sample ID: Lab Control Sample Dup

**Prep Type: Soluble** 

Job ID: 890-6065-1 Client: Ensolum Project/Site: Corral Canyon 16-4 ST Fed Com 126H SDG: 03C1558302

5.00

Unit

mg/Kg

D

Prepared

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-72080/1-A

**Matrix: Solid** 

**Analysis Batch: 72176** 

Chloride

мв мв Analyte Result Qualifier RL

<5.00 U

Lab Sample ID: LCS 880-72080/2-A **Matrix: Solid** 

**Analysis Batch: 72176** 

Spike LCS LCS %Rec Added Analyte Result Qualifier Unit D %Rec Limits Chloride 250 247.5 mg/Kg 99 90 - 110

Lab Sample ID: LCSD 880-72080/3-A **Matrix: Solid** 

Analysis Batch: 72176

LCSD LCSD RPD Spike %Rec Analyte Added Result Qualifier Unit D %Rec Limits RPD Limit Chloride 250 249.0 mg/Kg 100 90 - 110

Lab Sample ID: 890-6065-11 MS

**Matrix: Solid** 

**Analysis Batch: 72176** 

MS MS Sample Sample Spike %Rec Added Analyte Result Qualifier Result Qualifier Unit D %Rec Limits Chloride 321 252 565.2 90 - 110 mg/Kg

Lab Sample ID: 890-6065-11 MSD

**Matrix: Solid** 

**Analysis Batch: 72176** 

Sample Sample Spike MSD MSD %Rec RPD Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits RPD Limit 321 Chloride 252 564.3 mg/Kg 96 90 - 110

Lab Sample ID: MB 880-71975/1-A

Matrix: Solid

**Analysis Batch: 72257** 

мв мв

Analyte Result Qualifier RL Unit D Prepared Analyzed Dil Fac Chloride <5.00 5.00 mg/Kg 02/04/24 11:33

Lab Sample ID: LCS 880-71975/2-A

**Matrix: Solid** 

**Analysis Batch: 72257** 

LCS LCS %Rec Spike Added Result Qualifier Limits Analyte Unit %Rec Chloride 250 253.4 mg/Kg 101 90 - 110

Lab Sample ID: LCSD 880-71975/3-A

Released to Imaging: 10/22/2024 3:58:50 PM

**Matrix: Solid** 

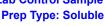
**Analysis Batch: 72257** 

Spike LCSD LCSD %Rec RPD Analyte Added Result Qualifier Unit %Rec Limits **RPD** Limit Chloride 250 252.2 mg/Kg 101 90 - 110 20

**Eurofins Carlsbad** 







**Prep Type: Soluble** 

Client Sample ID: Lab Control Sample

Client: EnsolumJob ID: 890-6065-1Project/Site: Corral Canyon 16-4 ST Fed Com 126HSDG: 03C1558302

**GC VOA** 

Prep Batch: 72504

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batcl
890-6065-1	PH 01	Total/NA	Solid	5035	
890-6065-2	PH 02	Total/NA	Solid	5035	
890-6065-3	PH 03	Total/NA	Solid	5035	
390-6065-4	PH 04	Total/NA	Solid	5035	
890-6065-5	SS 05	Total/NA	Solid	5035	
890-6065-6	SS 06	Total/NA	Solid	5035	
890-6065-7	SS 07	Total/NA	Solid	5035	
890-6065-8	SS 08	Total/NA	Solid	5035	
890-6065-9	SS 09	Total/NA	Solid	5035	
890-6065-10	SS 10	Total/NA	Solid	5035	
890-6065-11	SS 11	Total/NA	Solid	5035	
890-6065-12	SS 12	Total/NA	Solid	5035	
MB 880-72504/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-72504/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-72504/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-6065-1 MS	PH 01	Total/NA	Solid	5035	
890-6065-1 MSD	PH 01	Total/NA	Solid	5035	

Analysis Batch: 72754

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6065-1	PH 01	Total/NA	Solid	8021B	72504
890-6065-2	PH 02	Total/NA	Solid	8021B	72504
890-6065-3	PH 03	Total/NA	Solid	8021B	72504
890-6065-4	PH 04	Total/NA	Solid	8021B	72504
890-6065-5	SS 05	Total/NA	Solid	8021B	72504
890-6065-6	SS 06	Total/NA	Solid	8021B	72504
890-6065-7	SS 07	Total/NA	Solid	8021B	72504
890-6065-8	SS 08	Total/NA	Solid	8021B	72504
890-6065-9	SS 09	Total/NA	Solid	8021B	72504
890-6065-10	SS 10	Total/NA	Solid	8021B	72504
890-6065-11	SS 11	Total/NA	Solid	8021B	72504
890-6065-12	SS 12	Total/NA	Solid	8021B	72504
MB 880-72504/5-A	Method Blank	Total/NA	Solid	8021B	72504
LCS 880-72504/1-A	Lab Control Sample	Total/NA	Solid	8021B	72504
LCSD 880-72504/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	72504
890-6065-1 MS	PH 01	Total/NA	Solid	8021B	72504
890-6065-1 MSD	PH 01	Total/NA	Solid	8021B	72504

Analysis Batch: 72851

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6065-1	PH 01	Total/NA	Solid	Total BTEX	
890-6065-2	PH 02	Total/NA	Solid	Total BTEX	
890-6065-3	PH 03	Total/NA	Solid	Total BTEX	
890-6065-4	PH 04	Total/NA	Solid	Total BTEX	
890-6065-5	SS 05	Total/NA	Solid	Total BTEX	
890-6065-6	SS 06	Total/NA	Solid	Total BTEX	
890-6065-7	SS 07	Total/NA	Solid	Total BTEX	
890-6065-8	SS 08	Total/NA	Solid	Total BTEX	
890-6065-9	SS 09	Total/NA	Solid	Total BTEX	
890-6065-10	SS 10	Total/NA	Solid	Total BTEX	
890-6065-11	SS 11	Total/NA	Solid	Total BTEX	

**Eurofins Carlsbad** 

-0

2

4

6

8

11

12

14

Client: Ensolum Job ID: 890-6065-1 Project/Site: Corral Canyon 16-4 ST Fed Com 126H SDG: 03C1558302

#### **GC VOA (Continued)**

#### **Analysis Batch: 72851 (Continued)**

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6065-12	SS 12	Total/NA	Solid	Total BTEX	

#### **GC Semi VOA**

#### Prep Batch: 17831

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6065-1	PH 01	Total/NA	Solid	8015NM Prep	
890-6065-2	PH 02	Total/NA	Solid	8015NM Prep	
890-6065-3	PH 03	Total/NA	Solid	8015NM Prep	
890-6065-4	PH 04	Total/NA	Solid	8015NM Prep	
890-6065-5	SS 05	Total/NA	Solid	8015NM Prep	
890-6065-6	SS 06	Total/NA	Solid	8015NM Prep	
890-6065-7	SS 07	Total/NA	Solid	8015NM Prep	
890-6065-8	SS 08	Total/NA	Solid	8015NM Prep	
890-6065-9	SS 09	Total/NA	Solid	8015NM Prep	
890-6065-10	SS 10	Total/NA	Solid	8015NM Prep	
890-6065-11	SS 11	Total/NA	Solid	8015NM Prep	
890-6065-12	SS 12	Total/NA	Solid	8015NM Prep	
MB 870-17831/3-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 870-17831/1-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 870-17831/2-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-6065-1 MS	PH 01	Total/NA	Solid	8015NM Prep	
890-6065-1 MSD	PH 01	Total/NA	Solid	8015NM Prep	

#### Analysis Batch: 17833

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6065-1	PH 01	Total/NA	Solid	8015B NM	17831
890-6065-2	PH 02	Total/NA	Solid	8015B NM	17831
890-6065-3	PH 03	Total/NA	Solid	8015B NM	17831
890-6065-4	PH 04	Total/NA	Solid	8015B NM	17831
890-6065-5	SS 05	Total/NA	Solid	8015B NM	17831
890-6065-6	SS 06	Total/NA	Solid	8015B NM	17831
890-6065-7	SS 07	Total/NA	Solid	8015B NM	17831
890-6065-8	SS 08	Total/NA	Solid	8015B NM	17831
890-6065-9	SS 09	Total/NA	Solid	8015B NM	17831
890-6065-10	SS 10	Total/NA	Solid	8015B NM	17831
890-6065-11	SS 11	Total/NA	Solid	8015B NM	17831
890-6065-12	SS 12	Total/NA	Solid	8015B NM	17831
MB 870-17831/3-A	Method Blank	Total/NA	Solid	8015B NM	17831
LCS 870-17831/1-A	Lab Control Sample	Total/NA	Solid	8015B NM	17831
LCSD 870-17831/2-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	17831
890-6065-1 MS	PH 01	Total/NA	Solid	8015B NM	17831
890-6065-1 MSD	PH 01	Total/NA	Solid	8015B NM	17831

#### Analysis Batch: 17891

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6065-1	PH 01	Total/NA	Solid	8015 NM	
890-6065-2	PH 02	Total/NA	Solid	8015 NM	
890-6065-3	PH 03	Total/NA	Solid	8015 NM	
890-6065-4	PH 04	Total/NA	Solid	8015 NM	
890-6065-5	SS 05	Total/NA	Solid	8015 NM	

Client: Ensolum Job ID: 890-6065-1
Project/Site: Corral Canyon 16-4 ST Fed Com 126H SDG: 03C1558302

GC Semi VOA (Continued)

#### **Analysis Batch: 17891 (Continued)**

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6065-6	SS 06	Total/NA	Solid	8015 NM	
890-6065-7	SS 07	Total/NA	Solid	8015 NM	
890-6065-8	SS 08	Total/NA	Solid	8015 NM	
890-6065-9	SS 09	Total/NA	Solid	8015 NM	
890-6065-10	SS 10	Total/NA	Solid	8015 NM	
890-6065-11	SS 11	Total/NA	Solid	8015 NM	
890-6065-12	SS 12	Total/NA	Solid	8015 NM	

**HPLC/IC** 

#### Leach Batch: 71975

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6065-1	PH 01	Soluble	Solid	DI Leach	
890-6065-2	PH 02	Soluble	Solid	DI Leach	
890-6065-3	PH 03	Soluble	Solid	DI Leach	
890-6065-4	PH 04	Soluble	Solid	DI Leach	
MB 880-71975/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-71975/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-71975/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Leach Batch: 72080

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6065-5	SS 05	Soluble	Solid	DI Leach	
890-6065-6	SS 06	Soluble	Solid	DI Leach	
890-6065-7	SS 07	Soluble	Solid	DI Leach	
890-6065-8	SS 08	Soluble	Solid	DI Leach	
890-6065-9	SS 09	Soluble	Solid	DI Leach	
890-6065-10	SS 10	Soluble	Solid	DI Leach	
890-6065-11	SS 11	Soluble	Solid	DI Leach	
890-6065-12	SS 12	Soluble	Solid	DI Leach	
MB 880-72080/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-72080/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-72080/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-6065-11 MS	SS 11	Soluble	Solid	DI Leach	
890-6065-11 MSD	SS 11	Soluble	Solid	DI Leach	

Analysis Batch: 72176

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6065-5	SS 05	Soluble	Solid	300.0	72080
890-6065-6	SS 06	Soluble	Solid	300.0	72080
890-6065-7	SS 07	Soluble	Solid	300.0	72080
890-6065-8	SS 08	Soluble	Solid	300.0	72080
890-6065-9	SS 09	Soluble	Solid	300.0	72080
890-6065-10	SS 10	Soluble	Solid	300.0	72080
890-6065-11	SS 11	Soluble	Solid	300.0	72080
890-6065-12	SS 12	Soluble	Solid	300.0	72080
MB 880-72080/1-A	Method Blank	Soluble	Solid	300.0	72080
LCS 880-72080/2-A	Lab Control Sample	Soluble	Solid	300.0	72080
LCSD 880-72080/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	72080
890-6065-11 MS	SS 11	Soluble	Solid	300.0	72080
890-6065-11 MSD	SS 11	Soluble	Solid	300.0	72080

**Eurofins Carlsbad** 

2

3

4

6

8

9

11

14

Client: Ensolum
Project/Site: Corral Canyon 16-4 ST Fed Com 126H
SDG: 03C1558302

#### HPLC/IC

#### **Analysis Batch: 72257**

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6065-1	PH 01	Soluble	Solid	300.0	71975
890-6065-2	PH 02	Soluble	Solid	300.0	71975
890-6065-3	PH 03	Soluble	Solid	300.0	71975
890-6065-4	PH 04	Soluble	Solid	300.0	71975
MB 880-71975/1-A	Method Blank	Soluble	Solid	300.0	71975
LCS 880-71975/2-A	Lab Control Sample	Soluble	Solid	300.0	71975
LCSD 880-71975/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	71975

1

45

6

7

0

10

111

13

14

Client: Ensolum Project/Site: Corral Canyon 16-4 ST Fed Com 126H SDG: 03C1558302

Client Sample ID: PH 01

Date Collected: 01/29/24 09:45 Date Received: 01/30/24 09:18

Lab Sample ID: 890-6065-1

**Matrix: Solid** 

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	72504	02/06/24 13:45	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	72754	02/09/24 17:08	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			72851	02/09/24 17:08	SM	EET MID
Total/NA	Analysis	8015 NM		1			17891	02/08/24 04:16	CC	EET DAL
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	17831	02/02/24 16:37	WP	EET DAL
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	17833	02/08/24 04:16	WP	EET DAL
Soluble	Leach	DI Leach			5.04 g	50 mL	71975	01/30/24 16:02	SMC	EET MID
Soluble	Analysis	300.0		1			72257	02/04/24 14:36	CH	EET MID

Client Sample ID: PH 02 Lab Sample ID: 890-6065-2 Date Collected: 01/29/24 10:25 Matrix: Solid

Date Received: 01/30/24 09:18

Batch Dil Initial Final Batch Batch Prepared Prep Type Туре Method Run Factor Amount Amount Number or Analyzed Analyst Lab Prep 5035 72504 Total/NA 5.05 g 5 mL 02/06/24 13:45 EL EET MID Total/NA 8021B 5 mL 72754 02/09/24 17:28 **EET MID** Analysis 1 5 mL MNR Total/NA Total BTEX 72851 02/09/24 17:28 SM Analysis 1 **EET MID** Total/NA Analysis 8015 NM 17891 02/08/24 05:18 CC EET DAL Total/NA 9.98 g 17831 02/02/24 16:37 WP EET DAL Prep 8015NM Prep 10 mL Total/NA Analysis 8015B NM 1 uL 1 uL 17833 02/08/24 05:18 WP EET DAL Soluble 01/30/24 16:02 Leach DI Leach 4.96 g 50 mL 71975 SMC EET MID

Lab Sample ID: 890-6065-3 Client Sample ID: PH 03 Date Collected: 01/29/24 15:00

72257

02/04/24 14:42

СН

1

Date Received: 01/30/24 09:18

Analysis

300.0

Soluble

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	72504	02/06/24 13:45	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	72754	02/09/24 17:49	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			72851	02/09/24 17:49	SM	EET MID
Total/NA	Analysis	8015 NM		1			17891	02/08/24 05:39	CC	EET DAL
Total/NA	Prep	8015NM Prep			9.97 g	10 mL	17831	02/02/24 16:37	WP	EET DAL
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	17833	02/08/24 05:39	WP	EET DAL
Soluble	Leach	DI Leach			5.01 g	50 mL	71975	01/30/24 16:02	SMC	EET MID
Soluble	Analysis	300.0		1			72257	02/05/24 07:55	CH	EET MID

Client Sample ID: PH 04 Lab Sample ID: 890-6065-4 Date Collected: 01/29/24 12:20

Date Received: 01/30/24 09:18

Г										
	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	72504	02/06/24 13:45	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	72754	02/09/24 18:09	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			72851	02/09/24 18:09	SM	EET MID

**Eurofins Carlsbad** 

Page 25 of 39

Released to Imaging: 10/22/2024 3:58:50 PM

**Matrix: Solid** 

**EET MID** 

Matrix: Solid

Job ID: 890-6065-1 SDG: 03C1558302

Client: Ensolum Project/Site: Corral Canyon 16-4 ST Fed Com 126H

Lab Sample ID: 890-6065-4

Matrix: Solid

Date Collected: 01/29/24 12:20 Date Received: 01/30/24 09:18

Client Sample ID: PH 04

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			17891	02/08/24 05:59	CC	EET DAL
Total/NA	Prep	8015NM Prep			9.92 g	10 mL	17831	02/02/24 16:37	WP	EET DAL
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	17833	02/08/24 05:59	WP	EET DAL
Soluble	Leach	DI Leach			4.97 g	50 mL	71975	01/30/24 16:02	SMC	EET MID
Soluble	Analysis	300.0		1			72257	02/05/24 08:02	CH	EET MID

Client Sample ID: SS 05 Lab Sample ID: 890-6065-5

Date Collected: 01/29/24 15:25
Date Received: 01/30/24 09:18

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	72504	02/06/24 13:45	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	72754	02/09/24 18:30	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			72851	02/09/24 18:30	SM	EET MID
Total/NA	Analysis	8015 NM		1			17891	02/08/24 06:20	CC	EET DAL
Total/NA	Prep	8015NM Prep			9.96 g	10 mL	17831	02/02/24 16:37	WP	EET DAL
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	17833	02/08/24 06:20	WP	EET DAL
Soluble	Leach	DI Leach			4.95 g	50 mL	72080	01/31/24 17:55	SMC	EET MID
Soluble	Analysis	300.0		1			72176	02/03/24 19:29	CH	EET MID

Client Sample ID: SS 06 Lab Sample ID: 890-6065-6

Date Collected: 01/29/24 14:00
Date Received: 01/30/24 09:18

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	72504	02/06/24 13:45	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	72754	02/09/24 18:50	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			72851	02/09/24 18:50	SM	EET MID
Total/NA	Analysis	8015 NM		1			17891	02/08/24 06:41	CC	EET DAL
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	17831	02/02/24 16:37	WP	EET DAL
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	17833	02/08/24 06:41	WP	EET DAL
Soluble	Leach	DI Leach			5.03 g	50 mL	72080	01/31/24 17:55	SMC	EET MID
Soluble	Analysis	300.0		1			72176	02/03/24 19:44	CH	EET MID

Client Sample ID: SS 07 Lab Sample ID: 890-6065-7

Date Received: 01/30/24 09:18

Date Collected: 01/29/24 14:10

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	72504	02/06/24 13:45	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	72754	02/09/24 19:11	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			72851	02/09/24 19:11	SM	EET MID
Total/NA	Analysis	8015 NM		1			17891	02/08/24 07:02	CC	EET DAL
Total/NA Total/NA	Prep Analysis	8015NM Prep 8015B NM		1	10.01 g 1 uL	10 mL 1 uL	17831 17833	02/02/24 16:37 02/08/24 07:02	WP WP	EET DAL EET DAL

**Eurofins Carlsbad** 

2

1

5

7

9

**Matrix: Solid** 

**Matrix: Solid** 

**Matrix: Solid** 

10

12

14

buu

Client: Ensolum

Project/Site: Corral Canyon 16-4 ST Fed Com 126H

Lab Sample ID: 890-6065-7

Matrix: Solid

Job ID: 890-6065-1

SDG: 03C1558302

Client Sample ID: SS 07 Date Collected: 01/29/24 14:10 Date Received: 01/30/24 09:18

		Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Typ	e	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble		Leach	DI Leach			5.05 g	50 mL	72080	01/31/24 17:55	SMC	EET MID
Soluble		Analysis	300.0		1			72176	02/03/24 19:49	CH	EET MID

Client Sample ID: SS 08 Lab Sample ID: 890-6065-8

Date Collected: 01/29/24 14:30 **Matrix: Solid** 

Date Received: 01/30/24 09:18

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	72504	02/06/24 13:45	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	72754	02/09/24 19:31	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			72851	02/09/24 19:31	SM	EET MID
Total/NA	Analysis	8015 NM		1			17891	02/08/24 07:22	CC	EET DAL
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	17831	02/02/24 16:37	WP	EET DAL
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	17833	02/08/24 07:22	WP	EET DAL
Soluble	Leach	DI Leach			4.98 g	50 mL	72080	01/31/24 17:55	SMC	EET MID
Soluble	Analysis	300.0		1			72176	02/03/24 19:54	CH	EET MID

Client Sample ID: SS 09 Lab Sample ID: 890-6065-9

Date Collected: 01/29/24 14:35 Date Received: 01/30/24 09:18 **Matrix: Solid** 

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	72504	02/06/24 13:45	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	72754	02/09/24 19:51	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			72851	02/09/24 19:51	SM	EET MID
Total/NA	Analysis	8015 NM		1			17891	02/08/24 07:43	CC	EET DAL
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	17831	02/02/24 16:37	WP	EET DAL
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	17833	02/08/24 07:43	WP	EET DAL
Soluble	Leach	DI Leach			4.95 g	50 mL	72080	01/31/24 17:55	SMC	EET MID
Soluble	Analysis	300.0		1			72176	02/03/24 19:58	CH	EET MID

**Client Sample ID: SS 10** Lab Sample ID: 890-6065-10 Date Collected: 01/29/24 14:40 **Matrix: Solid** 

Date Received: 01/30/24 09:18

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	72504	02/06/24 13:45	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	72754	02/09/24 20:12	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			72851	02/09/24 20:12	SM	EET MID
Total/NA	Analysis	8015 NM		1			17891	02/08/24 08:04	CC	EET DAL
Total/NA	Prep	8015NM Prep			10.09 g	10 mL	17831	02/02/24 16:37	WP	EET DAL
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	17833	02/08/24 08:04	WP	EET DAL
Soluble	Leach	DI Leach			5.00 g	50 mL	72080	01/31/24 17:55	SMC	EET MID
Soluble	Analysis	300.0		1			72176	02/03/24 20:03	CH	EET MID

Client: Ensolum Job ID: 890-6065-1 Project/Site: Corral Canyon 16-4 ST Fed Com 126H SDG: 03C1558302

Client Sample ID: SS 11 Lab Sample ID: 890-6065-11

Date Collected: 01/29/24 14:45 Matrix: Solid Date Received: 01/30/24 09:18

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	72504	02/06/24 13:45	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	72754	02/09/24 22:02	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			72851	02/09/24 22:02	SM	EET MID
Total/NA	Analysis	8015 NM		1			17891	02/08/24 08:45	CC	EET DAL
Total/NA	Prep	8015NM Prep			9.98 g	10 mL	17831	02/02/24 16:37	WP	EET DAL
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	17833	02/08/24 08:45	WP	EET DAL
Soluble	Leach	DI Leach			4.96 g	50 mL	72080	01/31/24 17:55	SMC	EET MID
Soluble	Analysis	300.0		1			72176	02/03/24 20:08	CH	EET MID

**Client Sample ID: SS 12** Lab Sample ID: 890-6065-12

Date Collected: 01/29/24 15:15 Matrix: Solid Date Received: 01/30/24 09:18

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	72504	02/06/24 13:45	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	72754	02/09/24 22:23	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			72851	02/09/24 22:23	SM	EET MID
Total/NA	Analysis	8015 NM		1			17891	02/08/24 09:06	CC	EET DAL
Total/NA	Prep	8015NM Prep			9.92 g	10 mL	17831	02/02/24 16:37	WP	EET DAL
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	17833	02/08/24 09:06	WP	EET DAL
Soluble	Leach	DI Leach			4.99 g	50 mL	72080	01/31/24 17:55	SMC	EET MID
Soluble	Analysis	300.0		1			72176	02/03/24 20:23	CH	EET MID

**Laboratory References:** 

EET DAL = Eurofins Dallas, 9701 Harry Hines Blvd, Dallas, TX 75220, TEL (214)902-0300

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

## **Accreditation/Certification Summary**

Client: Ensolum Job ID: 890-6065-1
Project/Site: Corral Canyon 16-4 ST Fed Com 126H SDG: 03C1558302

**Laboratory: Eurofins Dallas** 

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704295-23-34	06-30-24

**Laboratory: Eurofins Midland** 

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

Authority	Progra	am	Identification Number	<b>Expiration Date</b>
Texas	NELA	)	T104704400-23-26	06-30-24
The following analytes	are included in this report, bu	t the laboratory is not certi	ified by the governing authority. This lis	t may include analytes
for which the agency of	loes not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte	
Total BTEX		Solid	Total BTEX	

Eurofins Carlsbad

3

4

5

7

9

10

12

14

#### **Method Summary**

Job ID: 890-6065-1 Client: Ensolum Project/Site: Corral Canyon 16-4 ST Fed Com 126H

SDG: 03C1558302

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

#### **Protocol References:**

ASTM = ASTM International

EPA = US Environmental Protection Agency

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

#### Laboratory References:

EET DAL = Eurofins Dallas, 9701 Harry Hines Blvd, Dallas, TX 75220, TEL (214)902-0300

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

## **Sample Summary**

Client: Ensolum

Project/Site: Corral Canyon 16-4 ST Fed Com 126H

Job ID: 890-6065-1 SDG: 03C1558302

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-6065-1	PH 01	Solid	01/29/24 09:45	01/30/24 09:18	2'
890-6065-2	PH 02	Solid	01/29/24 10:25	01/30/24 09:18	2'
890-6065-3	PH 03	Solid	01/29/24 15:00	01/30/24 09:18	2'
890-6065-4	PH 04	Solid	01/29/24 12:20	01/30/24 09:18	2'
890-6065-5	SS 05	Solid	01/29/24 15:25	01/30/24 09:18	0.5'
890-6065-6	SS 06	Solid	01/29/24 14:00	01/30/24 09:18	0.5'
890-6065-7	SS 07	Solid	01/29/24 14:10	01/30/24 09:18	0.5'
890-6065-8	SS 08	Solid	01/29/24 14:30	01/30/24 09:18	0.5'
890-6065-9	SS 09	Solid	01/29/24 14:35	01/30/24 09:18	0.5'
890-6065-10	SS 10	Solid	01/29/24 14:40	01/30/24 09:18	0.5'
890-6065-11	SS 11	Solid	01/29/24 14:45	01/30/24 09:18	0.5'
890-6065-12	SS 12	Solid	01/29/24 15:15	01/30/24 09:18	0.5'

Bill to: If different II and Anna Market A	Recei	110000	100	Relinquished by: (Signature)	of Eurofins Xenco will be liable of Eurofins Xenco. A minimum charge	Notice: Signature of this document and	Circle Method(s) and Metal(s) to be analyzed	Total 2007 / 6010	5510	DUSS.	8088	5607	SSOLO	5005	PH04	DH03	DH02	VH01	7	Sample Identification	Total Containers:	Sample Custody Seals:	Cooler Custody Seals;	Samples Received Intact:	SAMPLE RECEIPT				Project Number:	Project Name: CO	Phone:	are zir:	200			Project Manager:	
Bill to: III deflerent)   Galveth   Given   Galveth	Work Order No:    Work Order Co.   Work Order Co.   Work Order Co.   Work Order Co.   Bro Project:   Top: Level III   Level III   F.   F.   F.   F.   F.   F.   F.	a cal		ture) Rece	only for the cost of samples and of \$85.00 will be applied to each	relinquishment of samples cons	etal(s) to be analyzed	7000 / 7000	00	^(	00	n	^	S	S	S	S	5 11	Commen	Matrix	Co	<b>X</b>	No (N/A)			0 000	077	-102	-	#15tonu8318735	100H	TODOGE	IN MILIAN	1011111	-11		Хенсо
RE Paro, IN (1975) 5892-7390, Carishaid, MM (1975) 5892-3199  Hobbs, MM (1975) 5892-7390, Carishaid, MM (1975) 5892-3199  Word Company, Name: XTD ENPOYUL ST.  Cary, Statezire: XTD Enpoyul II (Corm)  Cary, Statezire: XTD Enpoyu	Work Order No:    Work Order Com   Work Order Com   Work Order Com   Work Order Com   Project:   In the standard of the standa	esh	-	eived by: (Signature)	shall not assume any responsib project and a charge of \$5 for e	titutes a valid purchase order fo	8RCR.	DH-47	200.47	00.17	11.70	11.00	111.00	15:05/	12:20	17.33	1	0	Sampled	-	rrected Temperature:	mperature Reading:		critica.	-	the lab, if rece	-		[XiRout	154	352		ON E	2			
IS 385-3443. Lubbock, TX (300) 794-1296  IS 31.04 E. GYENE ST.  CAYIS DAD, INM 892.20  Program: UST/PST   State of Project: Reporting: Level II   Deliverables: EDD    ANALYSIS REQUEST  ANALYSIS REQUEST  ANALYSIS REQUEST  ANALYSIS REQUEST  S Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag S S As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U Hg: 16 came of the control to Xenco, but not analyzed. These terms will be enforced unless periously megataked.  Relinquished by: (Signature)  Received by  Received by  Received by:	Work Order No:    Work Order Com   Work Order Com   Work Order Com   Work Order Com   Project:   In the second of the second of the second or work Order Com   Project:   In the second of the second or work Order Com   Project:   In the second of the second or work Order Com   Project:   In the second of the second or work Order Com   Project:   In the second of the second or work Order Com   Project:   In the second of the second or work Order Com   Project:   In the second of the second or work Order Com   Project:   In the second of the second or work Order Com   Project:   In the second or work O	1 6			lity for any losses or expenses i ach sample submitted to Eurof	om diese	Texas 11 Al Sb A 6010 : 8RCRA Sb	7.5 V V	10.0		N O	70		12	0.	21	-	21 6 1	Comp	Grab/	0		1	10	1	ved by 4:30pm	Shor	7	Sh		1	City, State ZIP:	Address:	Company Name;	Bill to: (if different)	Hobbs, NM (	FI Paga TX (0
TYCEPN  AVALYSIS REQUEST  Reporting: Level II   Program: UST/PST  State of Project: Reporting: Level II   Program: UST/PST  Reporting: Level II   Program: UST/PST  Reporting: Level II   Program: UST/PST  State of Project: Reporting: Level II   Program: UST/PST  Reporting: UST/PST  Reporting: UST/PST  Reporting: UST/PST  Reporting: UST/PST  Report	Work Order No:    Work Order Co.   Work Order Co.   Work Order Co.   Work Order Co.   Bro Project:   Top: Level III   Level III   F.   F.   F.   F.   F.   F.   F.	5/1/2	are, mile	to Time	Xenco, its affiliates and sul incurred by the client if suc ins Xenco, but not analyze	2000	As Ba Be B Cd Cr	8 X X				-	-				- 1	X		TP	H		25	)								page	E.	E	CH	575) 392-7550, Carlsbac	32) 704 5440, San Anto
Program: UST/PST Deliverables: EDD Deliverables: EDD Mn Mo Ni K Se Ag Si Ag Ti U Hg: 16  Ag Ti U Hg: 16  Received by Received by Received by Name of the control desired and conditions an	Work Order No:    Www.xenco.com   Work Order Co.		relinquisned by: (Signature		ibcontractors. It assigns standard terms ich losses are due to circumstances beyoned. These terms will be enforced unlass ne	CO CO ED MILI MO NI SE	Ca Cr Co Cu Fe Pb Mg																						ANALISIS REQU	6 11	on Mobil. Com	NM 982		ergu	Ureen	d, NM (575) 988-3199	nio, TX (210) 509-3334
	Order No:  Wixenco.com Page Work Order Comments PRP Brownfields PRP Brownfields Prese None: No Cool: Cool HCL: HC H250 4: H2 H3P0 4: HP NaH50 4: NA Na 25 20; NA			and an Administra	and conditions  nd the control		Mn Mo Ni K Se Ag Si																						JEST		Deliverables: EDD	Reporting: Level II	State of Project:			065 ww	Work

Relinquished by: (Signature)	of service. Eurofins Xenco will be in of Eurofins Xenco. A minimum cha	Circle Method(s) and Metal(s) to be analyzed	1					SS12	2001	Sample Identification	Total Containers:	Cooler Custody Seals:	Samples Received Intact:	SAMPLE RECEIPT	PO #:		Project Number:	Project Name:	Phone:	City, State ZIP:	Address:		Project Manager:		eurofins
nature)	able only for the cost of s rge of \$85.00 will be app	200.8 / 6020: Metal(s) to be a						COU		tion Matrix	Tes No N/A	8	Yes No	Tep/p Blank:	Mariaha (	32.12005, -103.018646 Due Date:	3C1558302	15 H-4P 656 WB31 eP33-5	459 (686	artsbad	3122 National	Ensolum, LLC	Ben Beli		100
Received by: (Signature)	amples constitutes a vali amples and shall not ass led to each project and	nalyzed 8RC						11/1/24	Sampled	-	Corrected Temperature:		Thermometer ID	: Yes No	O'Dell	949BP50	02	13 PH 219	-0852	NM 882	Parks	777			Environment Testing
:(Signature)	id purchase order from sume any responsibility a charge of \$5 for each	8RCRA 13PPM T					-	17.18 0	++-		Reading:	actor:	i. Di	Wet Ke:	TAT starts the day received by the lab, if received by 4:30pm	100		Turn Around	Email: (		HWY Ad	Co	Bil		sting
	client company to Eur for any losses or expe sample submitted to	Texas 11 AI S 6010 : 8RCRA					-	0 2 0 1	Comp	Grab/ # of		Do			eceived by by 4:30pm	5 days	Rush Pres.		Garrett. G	City, State ZIP:	Address:	Company Name:	Bill to: (if different)	Hobbs, N	Houstor Midland, T.
Date/Time	ofins Xenco, its affiliates a nses incurred by the clien Eurofins Xenco, but not a	Al Sb As Ba Be B C					* * * * * * * * * * * * * * * * * * * *	×× <×	C	h	DY K	_		eters			de.		Overn® Exx	Carisba	П	XTO E	GALLETT	M (575) 392-7550, Carl	LIMIN OT LUSTODY  1, TX (281) 240-4200, Dallas, TX (214) 90  X (432) 704-5440, San Antonio, TX (210)  X (915) 585-3433 Linbook TX (80478)
Relinquished by: (Signature)	of service. Eurofins Aeno will be liable only for the cost of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Aeno 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 control in the control of the co	A 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo NTCLP/SPLP6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U																SISAT	Exxon Mobil-com	Carisbad, NM 88220	Greene St	D	+ Green	Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199	Cridin 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)-865-3443 ; higher of TX (880) 700, 100.
re) Received by: (Signature) Date/Time	s and conditions ond the control previously negotiated.	Mg Mn Mo Ni K Se Ag SiO <sub>2</sub> Na Sr Tl Sn U V Zn Ni Se Ag Tl U Hg: 1631 / 245.1 / 7470 / 7471		API: 30-015-53192	Ben Belill	18-10101001 18-10101001	DAPP2335073H	Incident #:	Sample Comments	NaOH+Ascorbic Acid: SAPC	Zn Acetate+NaOH: Zn	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : Na <sub>2</sub> O <sub>3</sub>	NaHSO : NARIS	H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub> NaOH: Na	HCF.HC HNO 3.HN		None: NO		Deliverables: EDD ADaPT Other:	el II	State of Project: State of Project:	Work Order Comments	www.xenco.com Page 2 of 2		Work Order No:

Released to Imaging: 10/22/2024 3:58:50 PM

Joseph Manda	1	Relinquished by: (Signature)	Notice: Signature of this docum	Circle Method(s) and Metal(s) to be analyzed	Total 200 7 / 2010				Wink Washout 2024_MP 117.2_Coating_2024	Wink Washout 2024_MP 117.2_Media_2024	compact detinication	Complete Co.	Total Containers	Sample Custody Seals:	Samples Received Intact:	SAMPLE RECEIPT	PO#	Sampler's Name:	Project I continu	1	Name:	Phone: 8	710.			Project Manager: B		eurofins:
	S. marco)	charge of \$85.00 will be app	ent and relinquishment of s be liable only for the cost of	fetal(s) to be analyze	III				.2 Coating_2024 Solid	. **	Matrix		Yes No (N/A)	1	X: (Yes) No	Temp E		vvest of Ona, 1X	W. L. CO.	2024 Wink Washout MP 117.2	017-079-0107	817 675 6107	House Ty 77000	001 I quisiana Straat	Kinder Morgan	Bryan Moon	Xenco	
mrs 1	Neceived by: (Signature)	lied to each project and a	amples constitutes a valid	d 8R					1-12	1-13 36	y)	Corrected Tem	Temperature Reading:	_	Thermometer ID:	Yes (No) Wet Ice:	the la				1						enco	
130 835	gnature)	charge of \$5 for each sam	purchase order from clier ume any responsibility fo	8RCRA 13PPM Tex	11 1					Grab	oled Depth Comp	ý	o o	1	Minos	ice: Yes No	the lab, if received by 4:30pm	Date:	utine Rush	E	Email: jason rome	10	Address:	Company Name:	Om to, (ii dillelelli)	Bill to: (if differ		
O,	Date/Time	ple submitted to Eurofins X	it company to Eurofins Xend	Texas 11 Al Sb As Ba					2	2 × ×	TCL:	RCR		Pa	ran	neter			Code	Prog	iason romero@kindermorgan.com;	Houston, TX 77002	1001 Louisiana Street				Midland, TX (432) 704- EL Paso, TX (915) 58 Hobbs, NM (575) 392	Chair TX (281) 22
6 4 2	Relinquished by: (Signature)	curred by the client if such losses are due to circumstan. lenco, but not analyzed. These terms will be enforced unl	SO [] []	CRA 13PPM Texas 11 AI Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni CLP/ SPLP 6010: &RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se An Ti II				+	×	-	Asb	estos	3							ANALYSIS REQUEST	om; jake forsman@kindermorgan.com	77002	na Street	n Bryan_Moon@kindermorgan.com	18 20	703 61	Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334  EL Paso, TX (915) 585-3443, Lubbook, TX (806) 794-1296  Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199	Chain of Custody
	Received by: (Signature)	e to circumstances beyond the control be enforced unless previously negotiated.		Ag Si								Z	7	Z ?			T	0			Deliverables: EDD ADaPT	Reporting: Level II   Level III   PST/UST   TRRP   Level IV	State of Project: Texas	Program: UST/PST PRP Brownfields RRC	Work Order Comments	www.xenco.com	W	
	Date/Time		ng. 10317 243.17 7470 7 7471	TI Sn U V Zn							Sample Comments	NaOH+Ascorbic Acid: SAPC	Zn Acetate+NaOH: Zn	Na <sub>7</sub> S <sub>7</sub> O <sub>3</sub> ; NaSO <sub>3</sub>	13104: 117	H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub> NaOH: Na			None: NO DI Water: H <sub>2</sub> O	Preservative Codes	Other:	UST TRRP Level IV		fields RRC Superfund	omments	Page of	117	

# **Chain of Custody Record**

1211 W. Florida Ave Midland, TX 79701 Phone: 432-704-5440		Chain of Custody Record	stody Ke	cord	<b>S</b>		Environment Testing
Client Information (Sub Contract Lab)	Sampler		Lab PM: Kramer,	r, Jessica	Carrier Tracking No(s):	COC No: 880-9114.1	
Client Contact Client Contact Shipping/Receiving	Phone:		E-Mail: Jessic <i>a</i>	E-Mail: Jessica.Kramer@et.eurofinsus.com	State of Origin: New Mexico	Page: Page 1 of 2	
Company: Eurofins Environment Testing South Centr			N Ac	Accreditations Required (See note): NELAP - Texas		Job #: 890-6065-1	
Address: 9701 Harry Hines Blvd.	Due Date Requested: 2/5/2024	d:		Analysis	is Requested	Preservation Codes:	des: M - Hexane
City:	TAT Requested (days):	/s):				B - NaOH C - Zn Acetate	N - None O - AsNaO2
State, ZID: TX, 75220				The second secon		D - Nitric Acid E - NaHSO4	Q - Na2SO3 R - Na2S2O3
Phone: 214-902-0300(Tel)	PO#:		0)			G - Amchlor H - Ascorbic Acid	S - H2SO4 T - TSP Dodecahydrate
Email:	WO#:		s or N	No)			V - MCAA W - pH 4-5
Project Name: Corral Canvon 16-4 ST Fed Com 126H	Project #: 89000093		e (Ye	es or		ntaine L-EDA	Y - Trizma Z - other (specify)
Site:	SSOW#:		Samp	sd (r		of co Other:	
		Sample Type		orm MS/A MOD_Cald MOD_NM/		Number	
Comple Identification - Client ID (1 ab ID)	Sample Date	Time G=grab)	O=waste/oil,	Perf 8015			Special Instructions/Note:
	<b>V</b>	<u> </u>	ation Code:			X	
PH 01 (890-6065-1)	1/29/24	09:45 Mountain	Solid	× ×			
PH 02 (890-6065-2)	1/29/24	10:25 Mountain	Solid	×			
PH 03 (890-6065-3)	1/29/24	15:00 Mountain	Solid	×			
PH 04 (890-6065-4)	1/29/24	12:20 Mountain	Solid	×			
SS 05 (890-6065-5)	1/29/24	15:25 Mountain	Solid	×			
SS 06 (890-6065-6)	1/29/24	14:00 Mountain	Solid	×			
SS 07 (890-6065-7)	1/29/24	14:10 Mountain	Solid	×		-	
SS 08 (890-6065-8)	1/29/24	14:30 Mountain	Solid	×			-
SS 09 (890-6065-9)	1/29/24	14:35 Mountain	Solid	× ×			
Note: Since laboratory accreditations are subject to change. Eurofins Environment Testing South Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC altoratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC attention immediately.	ment Testing South Cent ad above for analysis/lests outh Central, LLC attentior	ral, LLC places the own Imatrix being analyzed, Immediately. If all requ	ership of method, analithe samples must be lested accreditations a	lyte & accreditation compliance upon shipped back to the Eurofins Environare current to date, return the signed	iance upon our subcontract laboratories. This Ins Environment Testing South Central, LLC I the signed Chain of Custody attesting to said	his sample shipment is forwarded un C laboratory or other instructions will aid compliance to Eurofins Environm	nder chain-of-custody be provided. Any ch ent Testing South Cei
Possible Hazard Identification				Sample Disposal ( A fee m	ay be assessed if sampl	A fee may be assessed if samples are retained longer than 1 month)	1 month)
Unconfirmed  Deliverable Requested: I. II. III. IV. Other (specify)	Primary Deliverable Rank:	ble Rank: 2		Return To Client Disp. Special Instructions/QC Requirements	<u>Disposal By Lab</u>	Archive For	Months
The true of the control of the contr		Date:	T	Time:	Method of Shipment:	ent:	
Relinquished by:	Date/Time:		Company	Received by:	Date	Date/Time:	Company
Relinquished by:	Date/Timpe) 6/	24957	Company	Received by:	S Date	CSB HILL BELLINE	Company
Relinquished by:	Date/Time:		Company	Received by:	Ca	Date/ III e.	Company

# **Chain of Custody Record**

***		
Caro	* DIFOTO	1
	n	
	ST CHICKEN	euro

Sampler:    Lab PM:   Kramer, Jessica   State of Origin:   Jessica. Kramer@et.eurofinsus.com   New Mexico   N
@et.eurofinsus.com  Required (See note): exas  Analysis Required (See Note):
@et.eurofinsus.com  Required (See note):  exas  Analysis Req
@et.eurofinsus.com s Required (See note): exas  Analysis Req
@et eurofinsus.com  Required (See note): exas  Analysis Req
sus.com analysis Req
sis Req
Carrier Tracking No(s). State of Origin: New Mexico
igin: xico
f. 1
COC No.  880-9114.2  Page: Page 2 of 2  Job #:  890-6065-1  Preservation Codes:  A - HCL  M - Hexane  B - NaOH  C - Zn Acetate C - Zn Acetate C - Zn Acetate C - AnnaO2 C - AnnaO4 C - AnnaO4 C - AnnaO4 C - AnnaO4 C - NaCaSCO3 E - NaHSO4 R - Na2SCO3 F - MeOH G - Anchor H - Ascorbic Acid U - Acetone U - MCAA K - EDTA L - EDA L - EDA Z - other (specify)  COC No.  Environsment Testing

# **Login Sample Receipt Checklist**

Client: Ensolum Job Number: 890-6065-1 SDG Number: 03C1558302

Login Number: 6065 List Source: Eurofins Carlsbad

List Number: 1

Creator: Bruns, Shannon

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

# **Login Sample Receipt Checklist**

Client: Ensolum Job Number: 890-6065-1

SDG Number: 03C1558302

Login Number: 6065 **List Source: Eurofins Dallas** List Number: 3

List Creation: 02/06/24 10:34 AM

Creator: Sharp, Michael

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

Released to Imaging: 10/22/2024 3:58:50 PM

<6mm (1/4").

# **Login Sample Receipt Checklist**

Client: Ensolum

Job Number: 890-6065-1 SDG Number: 03C1558302

Login Number: 6065
List Source: Eurofins Midland
List Number: 2
List Creation: 01/31/24 12:23 PM

Creator: Rodriguez, Leticia

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

\_\_\_\_\_

<6mm (1/4").

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

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

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

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

QUESTIONS

Action 391909

### **QUESTIONS**

Operator:	OGRID:
XTO ENERGY, INC	5380
6401 Holiday Hill Road	Action Number:
Midland, TX 79707	391909
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

### QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2335250734
Incident Name	NAPP2335250734 CORRAL CANYON 16-4 ST FED COM 126H @ 0
Incident Type	Produced Water Release
Incident Status	Remediation Closure Report Received

Location of Release Source	
Please answer all the questions in this group.	
Site Name	CORRAL CANYON 16-4 ST FED COM 126H
Date Release Discovered	12/08/2023
Surface Owner	State

Incident Details	
Please answer all the questions in this group.	
Incident Type	Produced Water Release
Did this release result in a fire or is the result of a fire	No
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

Nature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.	
Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Other   Other (Specify)   Produced Water   Released: 15 BBL   Recovered: 12 BBL   Lost: 3 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	A 2" chiksan connection in the flowback iron washed out, releasing fluids to pad.

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** 

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

QUESTIONS, Page 2

Action 391909

1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462	11 0,1411 07 000
QUESTI	ONS (continued)
Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380 Action Number: 391909 Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)
QUESTIONS	
Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	No
Reasons why this would be considered a submission for a notification of a major release	Unavailable.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e.	e. gas only) are to be submitted on the C-129 form.
Initial Response The responsible party must undertake the following actions immediately unless they could create a s	of the borney that we do so within indicate
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
If all the actions described above have not been undertaken, explain why	Not answered.
	ation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of led or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of valuation in the follow-up C-141 submission.
to report and/or file certain release notifications and perform corrective actions for releathe OCD does not relieve the operator of liability should their operations have failed to a	knowledge and understand that pursuant to OCD rules and regulations all operators are required asses which may endanger public health or the environment. The acceptance of a C-141 report by adequately investigate and remediate contamination that pose a threat to groundwater, surface t does not relieve the operator of responsibility for compliance with any other federal, state, or

I hereby agree and sign off to the above statement

Name: Melanie Collins

Title: Regulatory Analyst

Email: Melanie.Collins@exxonmobil.com

Date: 12/18/2023

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**

QUESTIONS, Page 3

Action 391909

### **QUESTIONS** (continued)

Operator:	OGRID:
XTO ENERGY, INC	5380
6401 Holiday Hill Road	Action Number:
Midland, TX 79707	391909
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

### QUESTIONS

Site Characterization	
Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 100 and 500 (ft.)
What method was used to determine the depth to ground water	U.S. Geological Survey
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between 300 and 500 (ft.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Greater than 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Greater than 5 (mi.)
Any other fresh water well or spring	Between ½ and 1 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between ½ and 1 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Between 1 and 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Medium
A 100-year floodplain	Between ½ and 1 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan		
Please answer all the questions that app	ly or are indicated. This information must be provided to the	he appropriate district office no later than 90 days after the release discovery date.
Requesting a remediation plan a	approval with this submission	Yes
Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.		
Have the lateral and vertical exte	nts of contamination been fully delineated	Yes
Was this release entirely contain	ed within a lined containment area	No
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)		
Chloride	(EPA 300.0 or SM4500 CI B)	20700
TPH (GRO+DRO+MRO)	(EPA SW-846 Method 8015M)	1510
GRO+DRO	(EPA SW-846 Method 8015M)	1390
BTEX	(EPA SW-846 Method 8021B or 8260B)	0
Benzene	(EPA SW-846 Method 8021B or 8260B)	0
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC which includes the anticipated timelines for beginning and completing the remediation.		
On what estimated date will the remediation commence 07/04/2024		07/04/2024
On what date will (or did) the fina	al sampling or liner inspection occur	09/27/2024
On what date will (or was) the re	mediation complete(d)	09/27/2024
What is the estimated surface ar	ea (in square feet) that will be reclaimed	5252
What is the estimated volume (in	cubic yards) that will be reclaimed	389
What is the estimated surface area (in square feet) that will be remediated		5252
What is the estimated volume (in cubic yards) that will be remediated 389		389
These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.		
The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to		

significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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

QUESTIONS, Page 4

Action 391909

### **QUESTIONS** (continued)

Operator:	OGRID:
XTO ENERGY, INC	5380
6401 Holiday Hill Road	Action Number:
Midland, TX 79707	391909
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

### QUESTIONS

Remediation Plan (continued)	
Please answer all the questions that apply or are indicated. This information must be provided to the	appropriate district office no later than 90 days after the release discovery date.
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
(Select all answers below that apply.)	
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)  Yes	
Which OCD approved facility will be used for off-site disposal	HALFWAY DISPOSAL AND LANDFILL [fEEM0112334510]
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	No
<b>OR</b> is the <b>off-site</b> disposal site, to be used, an NMED facility	No
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	No
(In Situ) Soil Vapor Extraction	No
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	No
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	No
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	No
Ground Water Abatement pursuant to 19.15.30 NMAC No	
OTHER (Non-listed remedial process)	No

Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.

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.

I hereby agree and sign off to the above statement

Name: Kailee Smith Title: Regulatory Analyst

Email: kailee.smith@exxonmobil.com

Date: 10/11/2024

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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

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

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

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

QUESTIONS, Page 5

Action 391909

### **QUESTIONS** (continued)

Operator:	OGRID:
XTO ENERGY, INC	5380
6401 Holiday Hill Road	Action Number:
Midland, TX 79707	391909
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

### QUESTIONS

Deferral Requests Only	
Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

District I

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

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

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

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

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

QUESTIONS, Page 6

Action 391909

**QUESTIONS** (continued)

Operator:	OGRID:
XTO ENERGY, INC	5380
6401 Holiday Hill Road	Action Number:
Midland, TX 79707	391909
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

### QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	384935
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	09/27/2024
What was the (estimated) number of samples that were to be gathered	35
What was the sampling surface area in square feet	7000

Remediation Closure Request	
Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.	
Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	5252
What was the total volume (cubic yards) remediated	389
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes
What was the total surface area (in square feet) reclaimed	5252
What was the total volume (in cubic yards) reclaimed	389
Summarize any additional remediation activities not included by answers (above)	Excavation activities were conducted at the Site as indicated in the RWP to address the December 2023 release of produced water. Laboratory analytical results for all excavation soil samples collected indicate COC concentrations were compliant with the Closure Criteria. Based on the soil sample laboratory analytical results, no further remediation is required. The excavation will be backfilled with material purchased locally and the Site will be recontoured to match pre-existing site conditions. Excavation of soil has mitigated impacts exceeding the Closure Criteria at the Site. XTO believes these remedial actions are protective of human health, the environment, and groundwater. As such, XTO respectfully requests closure for Incident Number NAPP2335250734.

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 (in .pdf format) 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.

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.

Name: Kailee Smith
Title: Regulatory Analyst
Email: kailee.smith@exxonmobil.com
Date: 10/11/2024

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

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

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

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

QUESTIONS, Page 7

Action 391909

<b>QUESTIONS</b>	(continued)
QUESTIONS!	COH I III I I I I C C I I

Operator:	OGRID:
XTO ENERGY, INC	5380
6401 Holiday Hill Road	Action Number:
Midland, TX 79707	391909
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

### QUESTIONS

Reclamation Report		
Only answer the questions in this group if all reclamation steps have been completed.		
Requesting a reclamation approval with this submission	No	

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

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

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

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

CONDITIONS

Action 391909

### **CONDITIONS**

Operator:	OGRID:
XTO ENERGY, INC	5380
6401 Holiday Hill Road	Action Number:
Midland, TX 79707	391909
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

### CONDITIONS

Created By	Condition	Condition Date
scwells	None	10/22/2024