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

State of New Mexico Energy Minerals and Natural Resources Department

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Form C-141 Revised August 24, 2018 Submit to appropriate OCD District office

Incident ID	NAPP2213941404
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

			•	·	
Responsible Party XTO Energy				OGRID 5	3380
Contact Name Garrett Green				Contact Te	lephone 575-200-0729
Contact email	garrett.gre	en@exxonmobil.c	om	Incident #	(assigned by OCD)
			reet, Carlsbad, Nev	w Mexico, 88220	
			Location	of Release So	ource
Latitude 32.1	13540			Longitude _	-103.99411
			(NAD 83 in dec	imal degrees to 5 decim	al places)
Site Name Con	rral Canvor	1 16 SWD		Site Type S	alt Water Disposal
Date Release I	Discovered	5/5/2022		API# (if app.	
Unit Letter	Section	Township	Range	Coun	ty
D 16 25S 29E		Eddy	y .		
Surface Owner:				Volume of F	Release justification for the volumes provided below)
x Crude Oil		Volume Release			Volume Recovered (bbls) 140.00
Produced V	Water	Volume Release	ed (bbls)		Volume Recovered (bbls)
			tion of total dissolv water >10,000 mg/	· /	☐ Yes ☐ No
Condensate Volume Released (bbls)			Volume Recovered (bbls)		
☐ Natural Gas Volume Released (Mcf)			Volume Recovered (Mcf)		
Other (describe) Volume/Weight Released (provide units		units)	Volume/Weight Recovered (provide units)		
Cause of Relea	contain NMOC	ment. A vacuum t D District 2. Line	ruck was dispatche	ed and recovered all pected and determin	xpansion, releasing fluids into impermeable I fluids. A 48-hour liner inspection notice was sent to need not to be operating as designed. A third-party

Received by OCD: 8/3/20221:25:56 PMM Form C-1+1 State of New Mexico Page 2 Oil Conservation Division

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Incident ID	NAPP2213941404
District RP	
Facility ID	
Application ID	

Was this a major	If YES, for what reason(s) does the responsible party consider this a major release?
release as defined by	A release greater than 25 barrels.
19.15.29.7(A) NMAC?	
🗶 Yes 🗌 No	
If YES, was immediate no	otice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?
·	ocd.enviro@state.nm.us; Bratcher, Mike, EMNRD; Hamlet, Robert, EMNRD; Jarrett, Ryan; on Friday, May 6,
2022 8:40 AM via email.	
	Initial Response
The responsible	party must undertake the following actions immediately unless they could create a safety hazard that would result in injury
➤ The source of the rele	ease has been stopped.
	as been secured to protect human health and the environment.
	ave been contained via the use of berms or dikes, absorbent pads, or other containment devices.
➤ All free liquids and re	ecoverable materials have been removed and managed appropriately.
If all the actions described	d above have not been undertaken, explain why:
NA	
D 10.15.20.0 D (4) ND	
has begun, please attach	AC the responsible party may commence remediation immediately after discovery of a release. If remediation a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred at area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.
I hereby certify that the info	rmation given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and
	required to report and/or file certain release notifications and perform corrective actions for releases which may endanger ment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have
failed to adequately investig	gate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In
	of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws
and/or regulations. Garrett Gr	reen SSHE Coordinator
Printed Name:	Title:
Signature:	Date: 05/19/2022
email: garrett.green@exx	xonmobil.com Telephone: 575-200-0729
OCD Only	
Received by:Jocelyn	Harimon D. A. 05/40/2022
Received by:	Date: 05/19/2022

Location:	Corral Canyon 16 SWD			
Spill Date:	5/5/2022			
	Area 1			
Approximate A	rea = 786.04	cu.ft.		
	VOLUME OF LEAK			
Total Crude Oil = 140.00 bbls				
Total Produced	Total Produced Water = 0.00			
TOTAL VOLUME OF LEAK				
Total Crude Oil = 140.00 bbls				
Total Produced Water = 0.00		bbls		
TOTAL VOLUME RECOVERED				
Total Crude Oil	Total Crude Oil = 140.00 bbls			
Total Produced Water = 0.00 bb				

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

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

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

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

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

CONDITIONS

Action 108680

CONDITIONS

Operator:	OGRID:
XTO ENERGY, INC	5380
6401 Holiday Hill Road	Action Number:
Midland, TX 79707	108680
	Action Type:
	[C-141] Release Corrective Action (C-141)

CONDITIONS

Created	By Condition	Condition Date
jharim	on None	5/19/2022

	Page 5 of 1.	32
Incident ID	NAPP2213941404	
District RP		
Facility ID		
Application ID		

Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?	<u>>100</u> (ft bgs)		
Did this release impact groundwater or surface water?	☐ Yes ⊠ No		
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ⊠ No		
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	☐ Yes ⊠ No		
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ⊠ No		
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes ⊠ No		
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?			
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?			
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ⊠ No		
Are the lateral extents of the release overlying a subsurface mine? ☐ Yes ☒ No			
Are the lateral extents of the release overlying an unstable area such as karst geology?			
Are the lateral extents of the release within a 100-year floodplain? ☐ Yes ☑			
Did the release impact areas not on an exploration, development, production, or storage site?			
Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.			
Characterization Report Checklist: Each of the following items must be included in the report.			
 Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells. Field data Data table of soil contaminant concentration data Depth to water determination Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release Boring or excavation logs Photographs including date and GIS information 			
☐ Topographic/Aerial maps			

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

□ Laboratory data including chain of custody

Received by OCD: 8/3/2022 1:25:56 PM Form C-141 State of New Mexico Page 4 Oil Conservation Division

Page 6 of 132

	1 1180 0 0 1
Incident ID	NAPP2213941404
District RP	
Facility ID	
Application ID	

regulations all operators are required to report and/or file certain release public health or the environment. The acceptance of a C-141 report by failed to adequately investigate and remediate contamination that pose	to the best of my knowledge and understand that pursuant to OCD rules and enotifications and perform corrective actions for releases which may endanger the OCD does not relieve the operator of liability should their operations have a threat to groundwater, surface water, human health or the environment. In or of responsibility for compliance with any other federal, state, or local laws
Printed Name:Garrett Green	Title:Environmental Coordinator
Signature:Sath Surr	Date:8/3/2022
email:Garrett.Green@ExxonMobil.com	Telephone:575-200-0729
OCD Only	
Received by:	Date:

Page 7 of 132

Incident ID	NAPP2213941404
District RP	
Facility ID	
Application ID	

Closure

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

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

	11 NMAC				
Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)					
☐ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)					
□ Description of remediation activities					
and regulations all operators are required to report and/or file certai may endanger public health or the environment. The acceptance of should their operations have failed to adequately investigate and rethuman health or the environment. In addition, OCD acceptance of	ations. The responsible party acknowledges they must substantially onditions that existed prior to the release or their final land use in DCD when reclamation and re-vegetation are complete. Title:Environmental Coordinator Date:8/3/2022				
OCD Only Jocelyn Harimon Received by:	08/03/2022 Date:				
	of liability should their operations have failed to adequately investigate and water, human health, or the environment nor does not relieve the responsible or regulations.				
Closure Approved by:	Date: 08/29/2022				
Closure Approved by:	Title:Environmental Specialist A				



August 3, 2022

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

Re: Closure Request

Corral Canyon 16 SWD

Incident Number NAPP2213941404

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 site assessment and soil sampling activities at the Corral Canyon 16 SWD (Site). The purpose of the site assessment and soil sampling activities was to assess for the presence or absence of impacts to soil following a release of crude oil within lined containment at the Site. Based on field observations, field screening activities, and soil sample laboratory analytical results, XTO is submitting this Closure Request for Incident Number NAPP2213941404.

SITE DESCRIPTION AND RELEASE SUMMARY

The Site is located in Unit D, Section 16, Township 25 South, Range 29 East, in Eddy County, New Mexico (32.13540° N, 103.99411°W) and is associated with oil and gas exploration and production operations on New Mexico State Land.

On May 5, 2022, a valve separated from the threads, resulting in the release of approximately 140 barrels (bbls) of crude oil into the lined tank battery containment. A vacuum truck was immediately dispatched to the Site to recover free-standing fluids; all 140 bbls of released crude oil were recovered from within the lined containment. A 48-hour advance notice of liner inspection was provided via email to the New Mexico Oil Conservation Division (NMOCD) District II office. A liner integrity inspection was conducted by XTO personnel following fluid recovery. Upon inspection, the liner was determined to be insufficient. XTO reported the release to the NMOCD via email on May 6, 2022, and submitted a Release Notification Form C-141 (Form C-141) on May 19, 2022. The release was assigned Incident Number NAPP2213941404.

SITE CHARATERIZATION AND CLOSURE CRITERIA

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

Ensolum, LLC | Environmental, Engineering & Hydrogeologic Consultants
601 North Marienfeld Suite 400 | Midland, TX 79705 | ensolum.com
Texas PG Firm No. 50588 | Texas PE Firm No. F-21843



Depth to groundwater at the Site is greater than 100 feet below ground surface (bgs) based on a recent soil boring drilled for determination of regional groundwater depth. On April 19, 2021, a soil boring (C-4503) was drilled within 0.2 miles of the Site utilizing a track-mounted hollow-stem auger rig. Soil boring C-4503 was drilled to a depth of 110 feet bgs. The location of the borehole is approximately 846 feet north of the release area and is depicted on Figure 1. A field geologist logged and described soils continuously. No moisture or groundwater was encountered during drilling activites. The borehole was left open for over 72 hours to allow for potential slow infill of groundwater. After the 72-hour waiting period without observing groundwater, it was confirmed that groundwater beneath the Site is greater than 110 feet bgs. The borehole was properly abandoned with drill cuttings and hydrated bentonite chips. The Well Record and Log is included in Appendix A.

The closest continuously flowing or significant watercourse to the Site is a freshwater wetland, located approximately 1,608 feet west of the Site. The Site is greater than 200 feet from a lakebed, sinkhole, or playa lake and greater than 300 feet from an occupied residence, school, hospital, institution, church, or wetland. The Site is greater than 1,000 feet to a freshwater well or spring and is not within a 100-year floodplain or overlying a subsurface mine. The Site is not underlain by unstable geology (medium potential karst designation area). Site receptors are identified on Figure 1.

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

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

SITE ASSESSMENT ACTIVITIES

On July 8, 2022 and July 19, 2022, Ensolum personnel visited the Site to evaluate the release extent and conduct site assessment activities. One borehole (BH01) was advanced via hand auger near the location of the tear in the liner to assess the vertical extent of impacted soil. Two delineation soil samples (BH01/BH01A) were collected from the borehole at depths of approximately 0.5 feet and 1-foot bgs before encountering auger refusal. Four additional lateral delineation soil samples (SS01 through SS04) were collected around the lined containment at a depth of 0.5 feet bgs to confirm the lateral extent of the release. Soil from the delineation soil sample locations was field screened for volatile organic compounds (VOCs) utilizing a calibrated photoionization detector (PID) and chloride using Hach® chloride QuanTab® test strips. Field screening results and observations from the borehole were documented on lithologic/soil sampling logs, which are included as Appendix B. The borehole was backfilled with the soil removed and XTO repaired the tear in the liner. The delineation soil sample locations are depicted on Figure 2. Photographic documentation is included in Appendix C.

The soil samples were placed directly into pre-cleaned glass jars, labeled with the location, date, time, sampler name, method of analysis, and immediately placed on ice. The soil samples were transported at or below 4 degrees Celsius (°C) under strict chain-of-custody (COC) procedures to Eurofins Laboratories (Eurofins) in Carlsbad, New Mexico, for analysis of BTEX following United States



Environmental Protection Agency (EPA) Method 8021B; TPH-GRO, TPH-DRO, and TPH-oil range organics (ORO) following EPA Method 8015M/D; and chloride following EPA Method 300.0.

LABORATORY ANALYTICAL RESULTS

Laboratory analytical results for the delineation soil samples BH01 and BH01A collected from borehole, indicated benzene, BTEX, TPH-DRO/TPH-GRO, TPH, and chloride concentrations were compliant with the Closure Criteria. Additionally, laboratory analytical results for lateral delineation soil samples SS01 through SS04 indicated benzene, BTEX, TPH-GRO/TPH-DRO, TPH, and chloride concentrations were compliant with the Site Closure Criteria and compliant with the most stringent Table 1 Closure Criteria and successfully define the lateral extent of the release. Laboratory analytical results are summarized in Table 1 and the complete laboratory analytical reports are included as Appendix D.

CLOSURE REQUEST

Following the failed liner integrity inspection at the Site, Ensolum personnel advanced one borehole (BH01) within the lined containment to assess for the presence or absence of impacted soil resulting from the May 5, 2022 crude oil release within lined containment. Two delineation soil samples were collected from borehole BH01, at depths of approximately 0.5 feet and 1-foot bgs. Laboratory analytical results for the delineation soil samples BH01 and BH01A collected from borehole, indicated benzene, BTEX, TPH-DRO/TPH-GRO, TPH, and chloride concentrations were compliant with the Closure Criteria. Additionally, delineation soil samples SS01 through SS04 were compliant with the Site Closure Criteria and compliant with the most stringent Table 1 Closure Criteria. The release was contained laterally by the lined containment and all released fluids were recovered during initial response activities. The tear in the liner was subsequently repaired.

Based on initial response efforts, absence of elevated field screening results, and soil sample laboratory analytical results compliant with the Closure Criteria directly beneath the tear in the liner, XTO respectfully requests NFA for Incident Number NAPP2213941404.

If you have any questions or comments, please contact Ms. Ashley Ager at (970) 946-1093 or aager@ensolum.com.

Sincerely, Ensolum, LLC

Kalei Jennings Senior Scientist

Ashley Ager Program Director

ashley L. ager

cc: Garrett Green, XTO

alui Jennings

Shelby Pennington, XTO New Mexico State Land

Appendices:

Figure 1 Site Receptor Map



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

Appendix A Well Record and Log

Appendix B Lithologic / Soil Sampling Logs

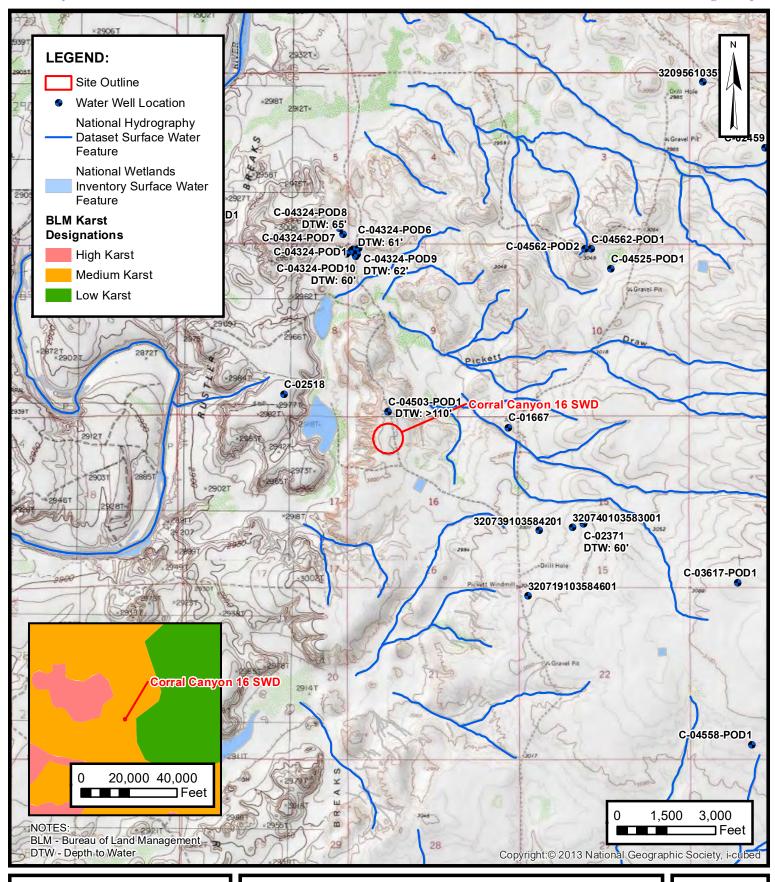
Appendix C Photographic Log

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

Appendix E NMOCD Sample Notification



FIGURES





SITE RECEPTOR MAP

XTO ENERGY, INC
CORRAL CANYON 16 SWD
NAPP2213941404

Unit D, Section 16, Township 25S, Range 29E Eddy County, New Mexico FIGURE

1





DELINEATION SOIL SAMPLES

XTO ENERGY, INC CORRAL CANYON 16 SWD NAPP2213941404 Unit D, Section 16, Township 25S, Range 29E Eddy County, New Mexico **FIGURE**

2



TABLES

Received by OCD: 8/3/2022 1:25:56 PM



TABLE 1 SOIL SAMPLE ANALYTICAL RESULTS XTO Energy, Inc. - Corral Canyon 16 SWD 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 1 (Closure Criteria	(NMAC 19.15.29)	10	50	NE	NE	NE	1,000	2,500	20,000
	Delineation Soil Sample Analytical Results									
BH01	07/08/2022	0.5	< 0.00201	< 0.00402	<49.9	<49.9	<49.9	<49.9	<49.9	877
BH01A	07/08/2022	1	< 0.00202	< 0.00404	< 50.0	< 50.0	< 50.0	< 50.0	< 50.0	935
SS01	07/19/2022	0.5	< 0.00201	< 0.00402	<49.9	<49.9	<49.9	<49.9	<49.9	95.9
SS02	07/19/2022	0.5	< 0.00200	< 0.00401	<49.8	< 50.0	< 50.0	< 50.0	< 50.0	26.1
SS03	07/19/2022	0.5	< 0.00200	< 0.00399	< 50.0	<50.0	< 50.0	< 50.0	< 50.0	254
SS04	07/19/2022	0.5	< 0.00199	< 0.00396	< 50.0	< 50.0	< 50.0	< 50.0	< 50.0	108

Notes:

bgs: below ground surface

mg/kg: milligrams per kilogram

NMOCD: New Mexico Oil Conservation Division

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

GRO: Gasoline Range Organics
DRO: Diesel Range Organics

ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

Concentrations in bold exceed the NMOCD Table 1 Closure Criteria for Soils Impacted by a Release



APPENDIX A

Well Record and Log



N	OSE POD NO. (WELL NO.) POD1 (BH-01) WELL TAG ID NO. n/a							OSE FILE NO(S).			
CATIC	WELL OWN XTO Ener				<u> </u>		- 	PHONE (OPTI	ONAL)			
VELL LC		ER MAILI	NG ADDRESS		<u> </u>			CITY Midland		STATE TX	79707	ZIP
GENERAL AND WELL LOCATION	WELL LOCATIO	<u> </u>	ATITUDE	DEGREES 32	MINUTES 8	SECON 15.7	74 N	* ACCURACY REQUIRED: ONE TENTH OF A SECOND * DATUM REQUIRED: WGS 84				
ENER	(FROM GI	(FROM GPS) LONGITUDE 103 59 38.34 W *DATUM REQUIRED: WGS 84 DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS – PLSS (SECTION, TOWNSHIJP, RANGE) WHERE AVAILABLE										
1. G	SWSW S9			IO STREET ADD	RESS AND COMMON	I LANDMA	ARKS – PLS	S (SECTION, TO	WNSHJIP, RANGE) WH	ERE AVA	ILABLE	
	LICENSE NO. NAME OF LICENSED DRILLER 1249 NAME OF WELL DRILLING COMPANY Atkins Engineering Associates, Inc.						nc.					
	DRILLING S 04/19/		DRILLING ENDED 04/19/2021		OMPLETED WELL (FI orary well materia			LE DEPTH (FT) 110	DEPTH WATER FIRE	ST ENCOU n/a		
N.	COMPLETED WELL IS: ARTESIAN DRY HOLE SHALLOW (UNCONFINED) STATIC WATER LEVEL IN COMPLETED WELL (FT) 11/2						LL (FT)					
ATIO	DRILLING FLUID: AIR MUD ADDITIVES - SPECIFY:											
ORM	DRILLING N	ÆTHOD:	ROTARY	П намме	R CABLE TO	OOL	OTHE	R – SPECIFY:	Hollo	w Stem	Auger	
2. DRILLING & CASING INFORMATION	DEPTH FROM	(feet bgl)	BOKE HOLE	(include	GRADE each casing string, sections of screen)	and	CON	ASING NECTION TYPE ling diameter)	CASING INSIDE DIAM. (inches)	ТНІ	NG WALL CKNESS nches)	SLOT SIZE (inches)
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ING												
SILL						\rightarrow			 			
2. DI												
												1
									OSE DIT M	W 52	021 pm410	÷.
										<u> </u>		<u> </u>
	DEPTH	(feet bgl)		. i	IST ANNULAR SE				AMOUNT		метно	
MIAI	FROM	то	DIAM. (inches) GRA	AVEL PACK SIZE-	-RANGE	BY INTE	RVAL	(cubic feet)		PLACEN	MENT
TE												
K MA									;			
LAB				+					,			
3. ANNULAR MATERIAL				+	· · · · · · · · · · · · · · · · · · ·					-+		
3. A)				 								
FOR	OSE INTER							WR-2	0 WELL RECORD	& LOG (Version 06/3	0/17)
FILE			03		POD NO		1	TRN 1		79	2	
LOC	LOCATION Exp. 255.29E.9.334 WELL TAG ID NO. PAGE 1 OF 2											

	DEPTH (1	Seet hall							$\neg r$			ESTIMATED
	DEITH	eet ogij	THICKNESS		D TYPE OF MATERI					WAT		YIELD FOR
	FROM	то	(feet)		ER-BEARING CAVITI oplemental sheets to fu					BEAR! (YES /		WATER- BEARING ZONES (gpm)
	0	4	4	Caliche, tan, off-v	white,dry, tan sand m-f	graine	d, well sort	ted, trace silt		Y	✓ N	
	4	41	37	Sand, tan, m-f, well sorted, little caliche gravel, tan, trace silt, low consolidation				tion	Y	√ N		
	41			Sandy clay, brown, nor	n plastic, non cohesive,	no od	or, no stair	, m-f grained	, wel	Y	√ N	
	43	46	5									
	46	110	64	Claystone, brown	, light brown mottling,	cohes	ive, mediu	m plasticity		Y	√ N	
1										Y	N	
4. HYDROGEOLOGIC LOG OF WELL								•		Y	N	
OF 1										Y	N	-
90									1	Y	N	
CL										Y	N	
90°							~	-		Y	N	
EOI					<u> </u>				\dashv	Y	N	
SOG									\dashv	Y	N	
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4. H									+	Y	N	
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			<u> </u>		<u> </u>				-	<u> </u>	N	
									\dashv	Y		
							+		N			
	METHODI	GED TO E	TIMATE MEN	OF WATER BEARIN	C CTD ATTA			Т,		Y	N	
	METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA: TOTAL ESTIMATED WELL YIELD (gpm): 0.00					0.00						
	PUMP AIR LIFT BAILER OTHER - SPECIFY: WELL TILLED (GPIII). U.UU											
ION	WELL TEST TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.											
	START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD. MISCELLANEOUS INFORMATION: Corral Canyon 212H. Temporary well materials removed and the soil boring backfilled using drill cuttings											
PER			ire	om total depth to ten i	feet below ground su	rface,	then hyd	rated benton	ite ch	ips fron	ten fee	t below ground
c su				rface to surface. ogs adapted from WS	P on-site geologist.			والمار أحمار		* 4		
; RI	DSE DIT MAY 5 2021 PM4:04											
EST	from total depth to ten feet below ground surface, then hydrated bentonite chips from ten feet below ground surface to surface. Logs adapted from WSP on-site geologist. PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE:											
5.1												
URE	THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING:											
6. SIGNATURE	Jack Atkins Jackie D. Atkins 05/05/2021											
		SIGNAT	URE OF DRILLE	ER / PRINT SIGNEE	NAME						DATE	
FO	R OSE INTER	NAL USF					v	VR-20 WELL	REC	ORD & I	OG (Ve	rsion 06/30/2017)
	E NO.		503		POD NO.	1	$\overline{}$	RN NO.	11	82	79	2
LOC	CATION					Ť	WELL TA	AG ID NO.		_	- •	PAGE 2 OF 2



PLUGGING RECORD



NOTE: A Well Plugging Plan of Operations shall be approved by the State Engineer prior to plugging - 19.27.4 NMAC

I. GENERAL / WELL OWNERSHIP:						
State Engineer Well Number: C-4503- POD1						
Well owner: XTO ENERGY (Kyle Littrell)		Phone No.: 432.682.8873				
Mailing address: 6401 Holiday Hill Dr.						
City: Midland	State:	Texas	Zip code: 79707			
II. WELL PLUGGING INFORMATION: 1) Name of well drilling company that plugged w	_{rell} . Jackie D. A	utkins (Atkins Eng	gineering Associates Inc.)			
2) New Mexico Well Driller License No.: 1249			_ Expiration Date: 04/30/23			
3) Well plugging activities were supervised by the Shane Eldridge	e following well	driller(s)/rig sup	ervisor(s):			
4) Date well plugging began: 04/27/2021	Date v	well plugging co	ncluded: 04/27/2021			
5) GPS Well Location: Latitude: 32 Longitude: 10		8 min, _ 59 min, _				
6) Depth of well confirmed at initiation of plugging by the following manner: weighted tape	ng as:110	ft below grour	nd level (bgl),			
7) Static water level measured at initiation of plug		ft bgl				
8) Date well plugging plan of operations was appr	roved by the Star	te Engineer: 12	2/08/2020			
9) Were all plugging activities consistent with an differences between the approved plugging pla						
			DSE 077 MAY 5 2021 PM4:03			
		1				
L 255.	29E9.3	34				

Version: September 8, 2009 Page 1 of 2

10) Log of Plugging Activities - Label vertical scale with depths, and indicate separate plugging intervals with horizontal lines as necessary to illustrate material or methodology changes. Attach additional pages if necessary.

For each interval plugged, describe within the following columns:

Depth (ft bgl)	Plugging <u>Material Used</u> (include any additives used)	Volume of <u>Material Placed</u> (gallons)	Theoretical Volume of Borehole/ Casing (gallons)	Placement Method (tremie pipe, other)	Comments ("casing perforated first", "open annular space also plugged", etc.)
· ·	0-10' Hydrated Bentonite	Approx. 15.8 gallons	16 gallons	Augers	
<u>-</u>	10'-110'				
. 	Drill Cuttings	Approx. 172 gallons	172 gallons	Boring	
<u></u>					
-					
- - -					
- ; ;					
_					
			3Y AND OBTAIN 1805 = gallons	93E D	I MAY 5 2021 pm4:03
		cubic feet x 7.4 cubic yards x 201.9	1805 = gallons 37 = gallons		

III. SIGNATURE:

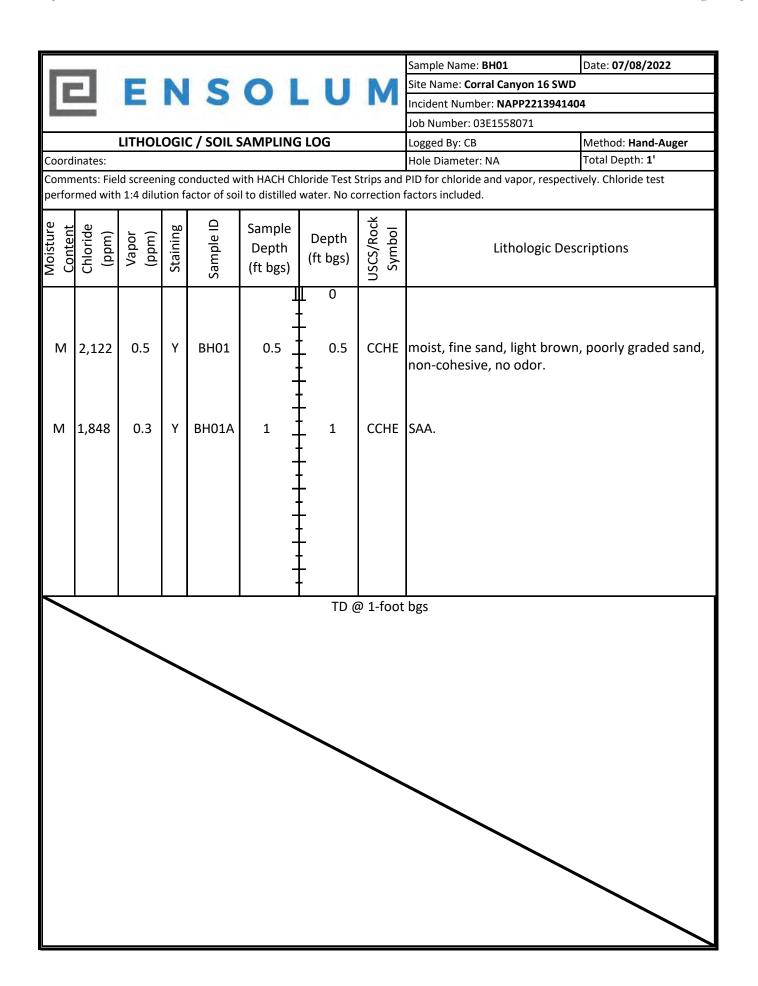
I, Jackie D. Atkins , say that I am familiar with the rules	of the Office of the State
Engineer pertaining to the plugging of wells and that each and all of the statements in this Pluggare true to the best of my knowledge and belief.	
Jack Atkins	05/05/2021
Signature of Well Driller	Date

Version: September 8, 2009 Page 2 of 2



APPENDIX B

Lithologic Soil Sampling Logs





APPENDIX C

Photographic Log



Photographic Log

XTO Energy, Inc.
Corral Canyon 16 SWD
Incident Number NAPP2213941404



Photograph 1 Date: July 8 2022

Description: View of release compromised liner location.



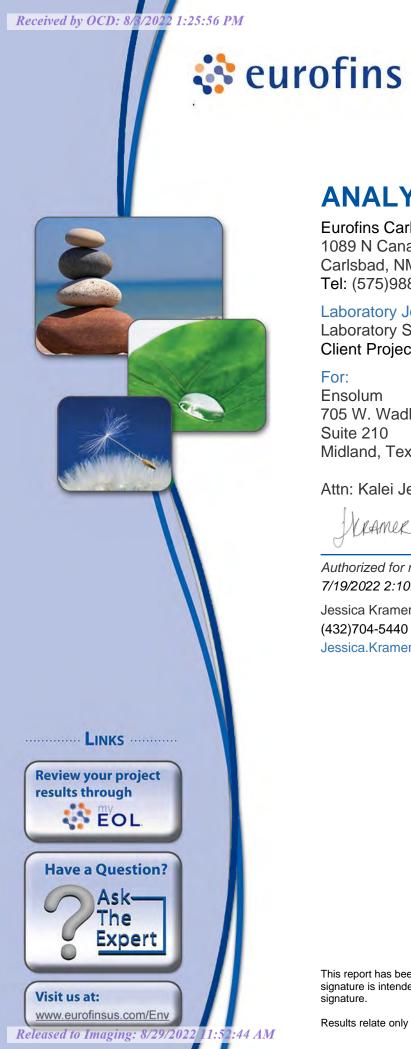
Photograph 2 Date: July 8, 2022

Description: View of delineation activities near BH01 location.



APPENDIX D

Laboratory Analytical Reports & Chain of Custody Documentation



Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 890-2516-1

Laboratory Sample Delivery Group: 03E1558071 Client Project/Site: CORRAL CANYON 16 SWD

For:

Ensolum 705 W. Wadley Suite 210 Midland, Texas 79701

Attn: Kalei Jennings

RAMER

Authorized for release by: 7/19/2022 2:10:33 PM

Jessica Kramer, Project Manager (432)704-5440

Jessica.Kramer@et.eurofinsus.com

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

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

Client: Ensolum
Project/Site: CORRAL CANYON 16 SWD

Laboratory Job ID: 890-2516-1 SDG: 03E1558071

Table of Contents

Cover Page	1
Table of Contents	2
Definitions/Glossary	3
Case Narrative	4
Client Sample Results	5
Surrogate Summary	7
QC Sample Results	8
QC Association Summary	12
Lab Chronicle	14
Certification Summary	15
Method Summary	16
Sample Summary	17
Chain of Custody	18
Receipt Checklists	20

5

8

9	

Definitions/Glossary

Client: Ensolum Job ID: 890-2516-1 Project/Site: CORRAL CANYON 16 SWD

SDG: 03E1558071

Qualifiers

GC VOA Qualifier **Qualifier Description**

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

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

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

Dilution Factor Dil Fac

Detection Limit (DoD/DOE) DΙ

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)

Method Detection Limit MDL 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**

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

RER Relative Error Ratio (Radiochemistry)

RL Reporting Limit or Requested Limit (Radiochemistry)

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

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

TNTC Too Numerous To Count

Case Narrative

Client: Ensolum

Project/Site: CORRAL CANYON 16 SWD

Job ID: 890-2516-1

SDG: 03E1558071

Job ID: 890-2516-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative 890-2516-1

Receipt

The samples were received on 7/8/2022 4:28 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 12.0°C

GC VOA

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 880-29563 and analytical batch 880-29603 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

HPLC/IC

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

Client: Ensolum Job ID: 890-2516-1
Project/Site: CORRAL CANYON 16 SWD SDG: 03E1558071

Client Sample ID: BH01 Lab Sample ID: 890-2516-1

Date Collected: 07/08/22 12:15

Date Received: 07/08/22 16:28

Matrix: Solid

Sample Depth: .5

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		07/14/22 10:08	07/16/22 00:31	1
Toluene	< 0.00201	U	0.00201	mg/Kg		07/14/22 10:08	07/16/22 00:31	1
Ethylbenzene	< 0.00201	U	0.00201	mg/Kg		07/14/22 10:08	07/16/22 00:31	1
m-Xylene & p-Xylene	< 0.00402	U	0.00402	mg/Kg		07/14/22 10:08	07/16/22 00:31	1
o-Xylene	< 0.00201	U	0.00201	mg/Kg		07/14/22 10:08	07/16/22 00:31	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		07/14/22 10:08	07/16/22 00:31	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130			07/14/22 10:08	07/16/22 00:31	1
1,4-Difluorobenzene (Surr)	108		70 - 130			07/14/22 10:08	07/16/22 00:31	1
Method: Total BTEX - Total B	ΓEX Calcula	tion						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			07/18/22 14:30	1
Analyte Total TPH	Result <49.9	Qualifier U	RL 49.9	Unit mg/Kg	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	malka				
				mg/Rg			07/14/22 08:59	1
Method: 8015B NM - Diesel R	_		(GC)	mg/Ng			07/14/22 08:59	1
Method: 8015B NM - Diesel R Analyte	Result	Qualifier	(GC)	Unit	<u>D</u>	Prepared	07/14/22 08:59 Analyzed	Dil Fac
	_	Qualifier	•		<u>D</u>	Prepared 07/12/22 15:30		Dil Fac
Analyte Gasoline Range Organics	Result	Qualifier U	RL	Unit	<u>D</u>	07/12/22 15:30	Analyzed	Dil Fac
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result <49.9	Qualifier U	RL 49.9	<mark>Unit</mark> mg/Kg	<u>D</u>	07/12/22 15:30 07/12/22 15:30	Analyzed 07/13/22 18:18	Dil Fac
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result <49.9	Qualifier U U U	49.9 49.9	Unit mg/Kg mg/Kg	<u>D</u>	07/12/22 15:30 07/12/22 15:30	Analyzed 07/13/22 18:18 07/13/22 18:18	Dil Fac 1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate	Result <49.9 <49.9 <49.9	Qualifier U U U	49.9 49.9	Unit mg/Kg mg/Kg	<u>D</u>	07/12/22 15:30 07/12/22 15:30 07/12/22 15:30	Analyzed 07/13/22 18:18 07/13/22 18:18 07/13/22 18:18	Dil Fac
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	Result <49.9 <49.9 <49.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9 <80.9	Qualifier U U U	RL 49.9 49.9 49.9 <i>Limits</i>	Unit mg/Kg mg/Kg	<u>D</u>	07/12/22 15:30 07/12/22 15:30 07/12/22 15:30 07/12/22 15:30 Prepared 07/12/22 15:30	Analyzed 07/13/22 18:18 07/13/22 18:18 07/13/22 18:18 Analyzed	Dil Face
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Surrogate 1-Chlorooctane	Result <49.9 <49.9 <49.9	Qualifier U U Qualifier	RL 49.9 49.9 49.9 Limits 70 - 130 70 - 130	Unit mg/Kg mg/Kg	<u>D</u>	07/12/22 15:30 07/12/22 15:30 07/12/22 15:30 07/12/22 15:30 Prepared 07/12/22 15:30	Analyzed 07/13/22 18:18 07/13/22 18:18 07/13/22 18:18 Analyzed 07/13/22 18:18	
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl	Result <49.9 <49.9 <49.9	Qualifier U U Qualifier	RL 49.9 49.9 49.9 Limits 70 - 130 70 - 130	Unit mg/Kg mg/Kg	<u>D</u>	07/12/22 15:30 07/12/22 15:30 07/12/22 15:30 07/12/22 15:30 Prepared 07/12/22 15:30	Analyzed 07/13/22 18:18 07/13/22 18:18 07/13/22 18:18 Analyzed 07/13/22 18:18	Dil Fac 1 1 1 Dil Fac

Client Sample ID: BH01A

Date Collected: 07/08/22 12:25

Lab Sample ID: 890-2516-2

Matrix: Solid

Date Received: 07/08/22 16:28

Sample Depth: 1

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	mg/Kg		07/14/22 10:08	07/16/22 00:51	1
Toluene	<0.00202	U	0.00202	mg/Kg		07/14/22 10:08	07/16/22 00:51	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		07/14/22 10:08	07/16/22 00:51	1
m-Xylene & p-Xylene	<0.00404	U	0.00404	mg/Kg		07/14/22 10:08	07/16/22 00:51	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		07/14/22 10:08	07/16/22 00:51	1
Xylenes, Total	<0.00404	U	0.00404	mg/Kg		07/14/22 10:08	07/16/22 00:51	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)			70 - 130			07/14/22 10:08	07/16/22 00:51	1

Client Sample Results

Client: Ensolum Job ID: 890-2516-1 Project/Site: CORRAL CANYON 16 SWD SDG: 03E1558071

Client Sample ID: BH01A Lab Sample ID: 890-2516-2 Date Collected: 07/08/22 12:25

Matrix: Solid

07/12/22 15:30 07/13/22 18:40

Date Received: 07/08/22 16:28 Sample Depth: 1

o-Terphenyl

Method: 8021B - Volatile Organic Compounds (GC) (Continued)									
Surrogate	%Recovery Qualifier	Limits	Prepared Analyze	d Dil Fac					
1,4-Difluorobenzene (Surr)	107	70 - 130	07/14/22 10:08 07/16/22 00	0:51 1					

Method: Total BTEX - Total BTEX Calculation									
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac		
Total BTEX	<0.00404 U	0.00404	mg/Kg			07/18/22 14:30	1		

Method: 8015 NM - Diesel Ran	ge Organic							
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			07/14/22 08:59	1

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		07/12/22 15:30	07/13/22 18:40	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		07/12/22 15:30	07/13/22 18:40	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		07/12/22 15:30	07/13/22 18:40	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	87		70 - 130			07/12/22 15:30	07/13/22 18:40	1

Method: 300.0 - Anions, Ion Chromatography - Soluble									
	Analyte	Result (Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Chloride	935		25.0	mg/Kg			07/19/22 13:40	5

70 - 130

100

Surrogate Summary

Client: Ensolum Job ID: 890-2516-1
Project/Site: CORRAL CANYON 16 SWD SDG: 03E1558071

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid Prep Type: Total/NA

_			Per	cent Surrogate Rec
		BFB1	DFBZ1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
890-2515-A-33-D MS	Matrix Spike	98	100	
890-2515-A-33-E MSD	Matrix Spike Duplicate	97	98	
890-2516-1	SS 0.5	111	108	
890-2516-2	SS 1	112	107	
LCS 880-29739/1-A	Lab Control Sample	97	98	
LCSD 880-29739/2-A	Lab Control Sample Dup	102	96	
MB 880-29722/5-A	Method Blank	106	108	
MB 880-29739/5-A	Method Blank	102	108	
Surrogate Legend				
BFB = 4-Bromofluorobenze	ene (Surr)			

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

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

Matrix: Solid Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)						
		1CO1	OTPH1					
Lab Sample ID	Client Sample ID	(70-130)	(70-130)					
890-2515-A-21-F MS	Matrix Spike	79	92					
890-2515-A-21-G MSD	Matrix Spike Duplicate	80	93					
890-2516-1	SS 0.5	91	102					
890-2516-2	SS 1	87	100					
LCS 880-29563/2-A	Lab Control Sample	99	112					
LCSD 880-29563/3-A	Lab Control Sample Dup	102	113					
MB 880-29563/1-A	Method Blank	100	118					

Surrogate Legend

1CO = 1-Chlorooctane OTPH = o-Terphenyl

1

Dil Fac

Client: Ensolum Job ID: 890-2516-1
Project/Site: CORRAL CANYON 16 SWD SDG: 03E1558071

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-29722/5-A

Matrix: Solid

Analysis Batch: 29790

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 29722

	MB MB	3				
Analyte	Result Qu	alifier RL	Unit	D Prepared	Analyzed	Dil Fac
Benzene	<0.00200 U	0.00200	mg/Kg	07/14/22 09:52	07/15/22 11:11	1
Toluene	<0.00200 U	0.00200	mg/Kg	07/14/22 09:52	07/15/22 11:11	•
Ethylbenzene	<0.00200 U	0.00200	mg/Kg	07/14/22 09:52	07/15/22 11:11	•
m-Xylene & p-Xylene	<0.00400 U	0.00400	mg/Kg	07/14/22 09:52	07/15/22 11:11	
o-Xylene	<0.00200 U	0.00200	mg/Kg	07/14/22 09:52	07/15/22 11:11	1
Xylenes, Total	<0.00400 U	0.00400	mg/Kg	07/14/22 09:52	07/15/22 11:11	•

MB MB

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

 07/14/22 09:52
 07/15/22 11:11

 07/14/22 09:52
 07/15/22 11:11

Prepared

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

Analyzed

Prep Batch: 29739

Lab Sample ID: MB 880-29739/5-A Matrix: Solid

Analysis Databa

Analysis Batch: 29790

	MB	MB						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		07/14/22 10:08	07/15/22 23:27	1
Toluene	<0.00200	U	0.00200	mg/Kg		07/14/22 10:08	07/15/22 23:27	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		07/14/22 10:08	07/15/22 23:27	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		07/14/22 10:08	07/15/22 23:27	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		07/14/22 10:08	07/15/22 23:27	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		07/14/22 10:08	07/15/22 23:27	1

MB MB

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102	70 - 130	07/14/22 10:08	07/15/22 23:27	1
1,4-Difluorobenzene (Surr)	108	70 - 130	07/14/22 10:08	07/15/22 23:27	1

Lab Sample ID: LCS 880-29739/1-A

Matrix: Solid

Analysis Batch: 29790

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

Client Sample ID: Lab Control Sample Dup

Prep Batch: 29739

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.09154		mg/Kg		92	70 - 130	
Toluene	0.100	0.08982		mg/Kg		90	70 - 130	
Ethylbenzene	0.100	0.08005		mg/Kg		80	70 - 130	
m-Xylene & p-Xylene	0.200	0.1608		mg/Kg		80	70 - 130	
o-Xylene	0.100	0.08701		mg/Kg		87	70 - 130	
	Benzene Toluene Ethylbenzene m-Xylene & p-Xylene	Analyte Added Benzene 0.100 Toluene 0.100 Ethylbenzene 0.100 m-Xylene & p-Xylene 0.200	Analyte Added Result Benzene 0.100 0.09154 Toluene 0.100 0.08982 Ethylbenzene 0.100 0.08005 m-Xylene & p-Xylene 0.200 0.1608	Benzene 0.100 0.09154 Toluene 0.100 0.08982 Ethylbenzene 0.100 0.08005 m-Xylene & p-Xylene 0.200 0.1608	Analyte Added Result Qualifier Unit Unit Benzene 0.100 0.09154 mg/Kg Toluene 0.100 0.08982 mg/Kg Ethylbenzene 0.100 0.08005 mg/Kg m-Xylene & p-Xylene 0.200 0.1608 mg/Kg	Analyte Added Result Qualifier Unit D Benzene 0.100 0.09154 mg/Kg Toluene 0.100 0.08982 mg/Kg Ethylbenzene 0.100 0.08005 mg/Kg m-Xylene & p-Xylene 0.200 0.1608 mg/Kg	Analyte Added Result Qualifier Unit D %Rec Benzene 0.100 0.09154 mg/Kg 92 Toluene 0.100 0.08982 mg/Kg 90 Ethylbenzene 0.100 0.08005 mg/Kg 80 m-Xylene & p-Xylene 0.200 0.1608 mg/Kg 80	Analyte Added Result Qualifier Unit D %Rec Limits Benzene 0.100 0.09154 mg/Kg 92 70 - 130 Toluene 0.100 0.08982 mg/Kg 90 70 - 130 Ethylbenzene 0.100 0.08005 mg/Kg 80 70 - 130 m-Xylene & p-Xylene 0.200 0.1608 mg/Kg 80 70 - 130

LCS LCS

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	97	70 - 130
1.4-Difluorobenzene (Surr)	98	70 - 130

Lab Sample ID: LCSD 880-29739/2-A

Matrix: Solid

Analyte Benzene

Analysis Batch: 29790

						Prep Type: Total/NA				
				Prep Batch: 29739						
Spike	LCSD	LCSD				%Rec		RPD		
Added	Result	Qualifier	Unit	D	%Rec	Rec Limits		Limit		
0.100	0.07913		mg/Kg		79	70 - 130	15	35		

Eurofins Carlsbad

Page 8 of 21

QC Sample Results

Client: Ensolum Job ID: 890-2516-1 Project/Site: CORRAL CANYON 16 SWD SDG: 03E1558071

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

Lab Sample ID: LCSD 880-29739/2-A

Matrix: Solid

Analysis Batch: 29790

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA Prep Batch: 29739

LCSD LCSD Spike %Rec **RPD** Analyte Added Result Qualifier Unit %Rec Limits RPD Limit Toluene 0.100 0.08469 mg/Kg 85 70 - 130 6 35 Ethylbenzene 0.100 0.07885 mg/Kg 79 70 - 130 2 35 0.200 0.1600 mg/Kg 80 70 - 130 35 m-Xylene & p-Xylene n 0.100 86 70 - 130 35 o-Xylene 0.08634 mg/Kg

LCSD LCSD

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	102		70 - 130
1,4-Difluorobenzene (Surr)	96		70 - 130

Lab Sample ID: 890-2515-A-33-D MS **Client Sample ID: Matrix Spike**

Matrix: Solid

Analysis Batch: 29790

Prep Type: Total/NA

Prep Batch: 29739

Sample Sample Spike MS MS %Rec Result Qualifier Analyte Added Result Qualifier D %Rec Limits Unit Benzene <0.00199 U 0.101 0.09282 92 70 - 130 mg/Kg Toluene <0.00199 U 0.101 0.08759 mg/Kg 87 70 - 130 Ethylbenzene <0.00199 U 0.101 0.07718 mg/Kg 77 70 - 130 m-Xylene & p-Xylene <0.00398 U 0.201 75 70 - 130 0.1511 mg/Kg o-Xylene <0.00199 U 0.101 0.08237 mg/Kg 82 70 - 130

MS MS

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

Lab Sample ID: 890-2515-A-33-E MSD

Matrix: Solid

Analysis Batch: 29790

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 29739

indigoto Eutom 20100											
-	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	<0.00199	U	0.100	0.09466		mg/Kg		94	70 - 130	2	35
Toluene	<0.00199	U	0.100	0.08989		mg/Kg		90	70 - 130	3	35
Ethylbenzene	<0.00199	U	0.100	0.07866		mg/Kg		79	70 - 130	2	35
m-Xylene & p-Xylene	<0.00398	U	0.200	0.1542		mg/Kg		77	70 - 130	2	35
o-Xylene	<0.00199	U	0.100	0.08371		mg/Kg		84	70 - 130	2	35

MSD MSD

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	97		70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

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

Lab Sample ID: MB 880-29563/1-A

Matrix: Solid

Analysis Batch: 29603

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

Prep Batch: 29563

MB MB Result Qualifier RL Unit Analyte Prepared Analyzed Gasoline Range Organics <50.0 U 50.0 mg/Kg 07/12/22 15:30 07/13/22 10:27 (GRO)-C6-C10

QC Sample Results

Client: Ensolum Job ID: 890-2516-1
Project/Site: CORRAL CANYON 16 SWD SDG: 03E1558071

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

Lab Sample ID: MB 880-29563/1-A

Matrix: Solid

Analysis Batch: 29603

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 29563

7 maryolo Batom 2000							. Top Batom	
	MB	MB						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		07/12/22 15:30	07/13/22 10:27	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		07/12/22 15:30	07/13/22 10:27	1
	MB	MB						
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 130			07/12/22 15:30	07/13/22 10:27	1
o-Terphenyl	118		70 - 130			07/12/22 15:30	07/13/22 10:27	1

- Verprierryi		110	70 - 130				0//1	2/22 15.3	0 07/13/22 10.27
Lab Sample ID: LCS 880-299 Matrix: Solid Analysis Batch: 29603	563/2-A					Clier	nt Sai	mple ID	: Lab Control Sample Prep Type: Total/NA Prep Batch: 29563
			Spike	LCS	LCS				%Rec
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits
Gasoline Range Organics (GRO)-C6-C10			1000	877.2		mg/Kg		88	70 - 130
Diesel Range Organics (Over			1000	913.4		mg/Kg		91	70 - 130
C10-C28)									
	LCS	LCS							
Surrogate	%Recovery	Qualifier	Limits						
1-Chlorooctane	99		70 - 130						
o-Terphenyl	112		70 - 130						

Lab Sample ID: LCSD 880-29563/3-A		Client Sample ID: Lab Control Sample Dup									
Matrix: Solid							Prep Ty	pe: Tot	al/NA		
Analysis Batch: 29603							Prep E	Satch:	29563		
	Spike	LCSD	LCSD				%Rec		RPD		
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit		
Gasoline Range Organics (GRO)-C6-C10	1000	889.2		mg/Kg		89	70 - 130	1	20		
Diesel Range Organics (Over C10-C28)	1000	975.7		mg/Kg		98	70 - 130	7	20		
LCSD LCSD											

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	102		70 - 130
o-Terphenyl	113		70 - 130

Lab Sample ID: 890-2515-A-21-F MS Matrix: Solid Analysis Batch: 29603							Client Sample ID: Matrix Spike Prep Type: Total/NA Prep Batch: 29563		
	Sample	Sample	Spike	MS	MS				%Rec
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits
Gasoline Range Organics (GRO)-C6-C10	<49.9	U F1	996	<49.8	U F1	mg/Kg		0	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U F1	996	<49.8	U F1	mg/Kg		0	70 - 130
	MS	MS							
Surrogate	%Recovery	Qualifier	Limits						
1-Chlorooctane	79		70 - 130						
o-Terphenyl	92		70 - 130						

Client: Ensolum Job ID: 890-2516-1 Project/Site: CORRAL CANYON 16 SWD SDG: 03E1558071

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

Lab Sample ID: 890-2515-A-21-G MSD **Client Sample ID: Matrix Spike Duplicate**

Matrix: Solid

Analysis Batch: 29603

Prep Type: Total/NA

Prep Batch: 29563

Sample Sample Spike MSD MSD %Rec RPD Result Qualifier Added Result Qualifier Unit D %Rec Limits RPD Limit Analyte <49.9 UF1 Gasoline Range Organics 998 <49.9 U F1 mg/Kg 70 - 130 NC 20 (GRO)-C6-C10 Diesel Range Organics (Over 998 <49.9 UF1 Λ 70 - 130 NC <49.9 UF1 mg/Kg 20

C10-C28)

MSD MSD

Surrogate	%Recovery Qualifier	Limits
1-Chlorooctane	80	70 - 130
o-Terphenyl	93	70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-29935/1-A **Client Sample ID: Method Blank Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 30010

MB MB

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00	mg/Kg			07/19/22 12:35	1

Lab Sample ID: LCS 880-29935/2-A **Client Sample ID: Lab Control Sample Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 30010

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	250	250.8		mg/Kg		100	90 - 110	

Lab Sample ID: LCSD 880-29935/3-A **Client Sample ID: Lab Control Sample Dup Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 30010

	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	250	251.7		mg/Kg	_	101	90 - 110	0	20

Lab Sample ID: 880-17005-A-1-B MS Client Sample ID: Matrix Spike **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 30010

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	326		251	561.6		ma/Ka	_	94	90 - 110	

Lab Sample ID: 880-17005-A-1-C MSD **Client Sample ID: Matrix Spike Duplicate Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 30010

•	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	326		251	562.2		mg/Kg		94	90 - 110	0	20

QC Association Summary

Client: Ensolum

Project/Site: CORRAL CANYON 16 SWD

Job ID: 890-2516-1 SDG: 03E1558071

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GC VOA

Prep Batch: 29722

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-29722/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 29739

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2516-1	SS 0.5	Total/NA	Solid	5035	
890-2516-2	SS 1	Total/NA	Solid	5035	
MB 880-29739/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-29739/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-29739/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-2515-A-33-D MS	Matrix Spike	Total/NA	Solid	5035	
890-2515-A-33-E MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 29790

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2516-1	SS 0.5	Total/NA	Solid	8021B	29739
890-2516-2	SS 1	Total/NA	Solid	8021B	29739
MB 880-29722/5-A	Method Blank	Total/NA	Solid	8021B	29722
MB 880-29739/5-A	Method Blank	Total/NA	Solid	8021B	29739
LCS 880-29739/1-A	Lab Control Sample	Total/NA	Solid	8021B	29739
LCSD 880-29739/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	29739
890-2515-A-33-D MS	Matrix Spike	Total/NA	Solid	8021B	29739
890-2515-A-33-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	29739

Analysis Batch: 29976

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2516-1	SS 0.5	Total/NA	Solid	Total BTEX	
890-2516-2	SS 1	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 29563

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2516-1	SS 0.5	Total/NA	Solid	8015NM Prep	
890-2516-2	SS 1	Total/NA	Solid	8015NM Prep	
MB 880-29563/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-29563/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-29563/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-2515-A-21-F MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-2515-A-21-G MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 29603

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2516-1	SS 0.5	Total/NA	Solid	8015B NM	29563
890-2516-2	SS 1	Total/NA	Solid	8015B NM	29563
MB 880-29563/1-A	Method Blank	Total/NA	Solid	8015B NM	29563
LCS 880-29563/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	29563
LCSD 880-29563/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	29563
890-2515-A-21-F MS	Matrix Spike	Total/NA	Solid	8015B NM	29563
890-2515-A-21-G MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	29563

QC Association Summary

Client: Ensolum

Project/Site: CORRAL CANYON 16 SWD

Job ID: 890-2516-1

SDG: 03E1558071

GC Semi VOA

Analysis Batch: 29705

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2516-1	SS 0.5	Total/NA	Solid	8015 NM	
890-2516-2	SS 1	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 29935

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2516-1	SS 0.5	Soluble	Solid	DI Leach	
890-2516-2	SS 1	Soluble	Solid	DI Leach	
MB 880-29935/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-29935/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-29935/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-17005-A-1-B MS	Matrix Spike	Soluble	Solid	DI Leach	
880-17005-A-1-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 30010

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2516-1	SS 0.5	Soluble	Solid	300.0	29935
890-2516-2	SS 1	Soluble	Solid	300.0	29935
MB 880-29935/1-A	Method Blank	Soluble	Solid	300.0	29935
LCS 880-29935/2-A	Lab Control Sample	Soluble	Solid	300.0	29935
LCSD 880-29935/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	29935
880-17005-A-1-B MS	Matrix Spike	Soluble	Solid	300.0	29935
880-17005-A-1-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	29935

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Released to Imaging: 8/29/2022 11:52:44 AM

Date Collected: 07/08/22 12:15

Date Received: 07/08/22 16:28

Client: Ensolum

Job ID: 890-2516-1 SDG: 03E1558071

Project/Site: CORRAL CANYON 16 SWD Client Sample ID: SS 0.5 Lab Sample ID: 890-2516-1

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	29739	07/14/22 10:08	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	29790	07/16/22 00:31	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			29976	07/18/22 14:30	SM	XEN MID
Total/NA	Analysis	8015 NM		1			29705	07/14/22 08:59	AJ	XEN MID
Total/NA Total/NA	Prep Analysis	8015NM Prep 8015B NM		1	10.02 g	10 mL	29563 29603	07/12/22 15:30 07/13/22 18:18		XEN MID
	,			ı	5.05	501				
Soluble Soluble	Leach Analysis	DI Leach 300.0		1	5.05 g	50 mL	29935 30010	07/19/22 11:52 07/19/22 13:31	SMC	XEN MID XEN MID

Client Sample ID: SS 1 Lab Sample ID: 890-2516-2

Date Collected: 07/08/22 12:25 **Matrix: Solid** Date Received: 07/08/22 16:28

	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	29739	07/14/22 10:08	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	29790	07/16/22 00:51	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			29976	07/18/22 14:30	SM	XEN MID
Total/NA	Analysis	8015 NM		1			29705	07/14/22 08:59	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	29563	07/12/22 15:30	DM	XEN MID
Total/NA	Analysis	8015B NM		1			29603	07/13/22 18:40	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	29935	07/19/22 11:52	SMC	XEN MID
Soluble	Analysis	300.0		5			30010	07/19/22 13:40	SMC	XEN MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Ensolum Job ID: 890-2516-1 Project/Site: CORRAL CANYON 16 SWD SDG: 03E1558071

Laboratory: Eurofins Midland

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

Authority	Pi	rogram	Identification Number	Expiration Date
Texas	NI	ELAP	T104704400-22-24	06-30-23
The following analyte	s are included in this ren	ort but the laboratory is r	not certified by the governing authority.	This list may include analytes for wh
0 ,		ort, but the laboratory is i	ior certified by the governing authority.	This list may include analytes for wi
the agency does not		ort, but the laboratory is i	lot certified by the governing authority.	This list may include analytes for wi
0 ,		Matrix	Analyte	This list may include analytes for wi
the agency does not	offer certification.	•	, , ,	This list may include analytes for wi

Method Summary

Client: Ensolum

Project/Site: CORRAL CANYON 16 SWD

Job ID: 890-2516-1 SDG: 03E1558071

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

Protocol References:

ASTM = ASTM International

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Ensolum

Project/Site: CORRAL CANYON 16 SWD

Job ID: 890-2516-1

SDG: 03E1558071

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-2516-1	SS 0.5	Solid	07/08/22 12:15	07/08/22 16:28	.5
890-2516-2	SS 1	Solid	07/08/22 12:25	07/08/22 16:28	1

roject Ma

ompany Name:

Name:	nager:			9	eurofins
Ensolut	Kolo: Tennings	Cup	Xenco		ns
Company Name: XTO Except	Bill to: (if differ bt) George Green	CLP - Cad Ling (n. 175) 382-7550, Carlsbad, NM (575) 988-3199	EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296	Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334	Chain of Custody
Program: UST/PST PRP Brownfields RRC Super	Work Order Comments	www.xenco.com Page of 2		Work Order No:	

SAMPLE RECEIPT Project Number City, State ZIP: Sample Custody Seals: Cooler Custody Seals: Samples Received Intact: Sampler's Name: roject Location: roject Name: ddress: Circle Method(s) and Metal(s) to be analyzed service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control Eurofins Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated ke: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions Relinquished by: (Signature) Total 200.7 / 6010 Sample Identification G 817-Yes No N/A 200.8 / 6020: Yes No N/A Temp Blank: 55,201 Nes No myan /bsul -2503 Matrix 7637 Corrected Temperature: Temperature Reading: Correction Factor: Sampled Date 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se TAT starts the day received by Due Date: 12:25 Routine Sampled Wet Ice: the lab, if received by 4:30pm Time TCLP / SPLP 6010 : 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U Email: Turn Around Depth NW 00 4 City, State ZIP: <u>.</u> 0.0 ンフ Rush (g Concert Green @ Coxun MOD. No Comp Grab/ Cont # of Code **Parameters** HOIS Relinquished by: (Signature) 890-2516 Chain of Custody le con 8820 ANALYSIS REQUEST Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ State of Project: Deliverables: = Received by: (Signature) EDD L Hg: 1631 / 245.1 / 7470 / 7471 Ag SiO₂ Na Sr Tl Sn U V Zn ADaPT 🗌 HCL: HC H2SO 4: H2 NaOH+Ascorbic Acid: SAPC Zn Acetate+NaOH: Zn Na₂S₂O₃: NaSO NaHSO 4: NABIS H3PO4: HP Cool: Cool None: NO Preservative Codes Sample Comments Revised Date: 08/25/2020 Rev. 2020.2 Other: 200 Date/Time NaOH: Na NH:E ONH MeOH: Me DI Water: H₂O 141404 Level IV

Superfund

City, State ZIP:

ompany Name

Environment Testing

Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300 Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334 EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296 Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

Bill to: (if different) Company Name:

City, State ZIP:

	Other	AO _A PT		Deliverables: FDD
Reporting: Level II Level III PST/UST TRRP Level IV	T TRRP	∥ PST/US	vel II 🔲 Level I	Reporting: Le
			IT.	State of Project:
Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐	ds ☐ RRC[Brownfield	ST/PST PRP[Program: U
	nts	Work Order Comments	Work C	

Relinquished by: (Signature)	Notice: Signature of this document of service. Eurofins Xenco will be li of Eurofins Xenco. A minimum cha	Total 200.7 / 6010 200.8 / 6020: Circle Method(s) and Metal(s) to be analyzed					5) (.3	Sample melinises	Sample Identification	Total Containers:	Sample Custody Seals:	Cooler Custody Seals:	Samples Received Intact:	SAMPLE RECEIPT	PO#:	Sampler's Name:	Project Location:	per:	Project Name:	Phone:
	and relinquishment of samples co able only for the cost of samples ar ge of \$85.00 will be applied to ear	200.8 / 6020: Metal(s) to be analyze							Matrix	Co	Yes No N/A Ter	Yes No N/A Cor	Yes No The	Temp Blank: Ye		to Bourn	de Cours	2	oral Carros 16xu	17-683- 30
Received by: (Signature)	nstitutes a valid purchase order fronds that not assume any responsible horoject and a charge of \$5 for each project and a charge of \$5 fo	8RCR.					1 56.71 17.42	Sampled	Time	Corrected Temperature:	Temperature Reading:	Correction Factor:	Thermometer ID:	Yes No Werte:	the lab, if received by 4:30pm	TAT starts the day received by	Due Date:	Routine	3 Turn Around	
\ \ \ \	om client company to Eurofin: lity for any losses or expenses ach sample submitted to Euro	8RCRA 13PPM Texas 11 Al Sb As Ba Be TCLP/SPLP6010 : 8RCRA Sb As Ba Be					561	Comp Cont	Depth Grab/ # of			Pa	ram	Yes No		received by		Rush Code	und	words free
Date/Time Relinquished by: (Signature)	Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.	B Cd Ca Cr Co Cu Fe Pb Cd Cr Co Cu Pb Mn Mo					,	7	CIP PRINT	11/2		(8)	50	7 15 21	2))				ANALYSIS REQUEST	Email: Garrers. Green @ exx on robile com
iture) Received by: (Signature)	erms and conditions beyond the control less previously negotiated.	Mn Mo Ni K Se Ag Tl U																	UEST	Deliverables: EDD L AD
Date/Time		Ag SiO ₂ Na Sr Tl Sn U V Zn Hg: 1631 / 245.1 / 7470 / 7471					To Ma	1	Sample Comments	NaOH+Ascorbic Acid: SAPC	Zn Acetate+NaOH: Zn	Na ₂ S ₂ O ₃ ; NaSO ₃	NaHSO 4: NABIS	H ₃ PO ₄ : HP	H ₂ SO ₄ : H ₂ NaOH: Na	HCL: HC HNO 3: HN	Cool: Cool MeOH: Me	None: NO DI Water: H ₂ O	Preservative Codes	ADaPT Other:

Work Order No:

Revised Date: 08/25/2020 Rev. 2020.2

Login Sample Receipt Checklist

Client: Ensolum

Job Number: 890-2516-1

SDG Number: 03E1558071

Login Number: 2516 List Source: Eurofins Carlsbad

List Number: 1 Creator: Clifton, Cloe

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

Login Sample Receipt Checklist

Client: Ensolum

Job Number: 890-2516-1

SDG Number: 03E1558071

List Source: Eurofins Midland
List Number: 2
List Creation: 07/12/22 11:11 AM

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 <6mm (1/4").	N/A	

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Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 890-2614-1

Laboratory Sample Delivery Group: 03E1558071

Client Project/Site: Corral Canyon 16

For:

Ensolum 705 W. Wadley Suite 210 Midland, Texas 79701

Attn: Kalei Jennings

RAMER

Authorized for release by: 7/25/2022 1:12:49 PM

Jessica Kramer, Project Manager (432)704-5440

Jessica.Kramer@et.eurofinsus.com

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

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

Client: Ensolum
Project/Site: Corral Canyon 16

Laboratory Job ID: 890-2614-1
SDG: 03E1558071

Table of Contents

Cover Page	1
Table of Contents	2
Definitions/Glossary	3
Case Narrative	4
Client Sample Results	5
Surrogate Summary	6
QC Sample Results	7
QC Association Summary	11
Lab Chronicle	13
Certification Summary	14
Method Summary	15
Sample Summary	16
Chain of Custody	17
Receipt Checklists	18

2

3

4

6

8

10

11

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14

Definitions/Glossary

Client: Ensolum Job ID: 890-2614-1 Project/Site: Corral Canyon 16

SDG: 03E1558071

Qualifiers

GC VOA

Qualifier **Qualifier Description**

Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
S1-	Surrogate recovery exceeds control limits, low biased.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.
HPLC/IC	
Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

Glossary	
Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control

Eurofins Carlsbad

RER RL

RPD

TEF

TEQ **TNTC** Relative Error Ratio (Radiochemistry)

Toxicity Equivalent Factor (Dioxin)

Too Numerous To Count

Toxicity Equivalent Quotient (Dioxin)

Reporting Limit or Requested Limit (Radiochemistry)

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

Case Narrative

Client: Ensolum

Project/Site: Corral Canyon 16

Job ID: 890-2614-1

SDG: 03E1558071

Job ID: 890-2614-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative 890-2614-1

Receipt

The sample was received on 7/21/2022 4:15 PM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 4.0°C

GC VOA

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 and precision for preparation batch 880-30432 and analytical batch 880-30368 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

Method 8015MOD_NM: The diesel range was biased high in the LCS, however since only an LCS or LCSD are required the data was qualified and reported. (LCS 880-30432/2-A)

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.

Date Received: 07/21/22 16:15

Client Sample Results

Client: Ensolum Job ID: 890-2614-1
Project/Site: Corral Canyon 16 SDG: 03E1558071

Client Sample ID: SS4

Date Collected: 07/19/22 11:45

Lab Sam

Lab Sample ID: 890-2614-1

Matrix: Solid

Sample Depth: 6'

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		07/23/22 18:30	07/24/22 15:11	1
Toluene	<0.00199	U	0.00199	mg/Kg		07/23/22 18:30	07/24/22 15:11	1
Ethylbenzene	< 0.00199	U	0.00199	mg/Kg		07/23/22 18:30	07/24/22 15:11	
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		07/23/22 18:30	07/24/22 15:11	,
o-Xylene	< 0.00199	U	0.00199	mg/Kg		07/23/22 18:30	07/24/22 15:11	
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		07/23/22 18:30	07/24/22 15:11	•
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	109		70 - 130			07/23/22 18:30	07/24/22 15:11	
1,4-Difluorobenzene (Surr)	90		70 - 130			07/23/22 18:30	07/24/22 15:11	•
Method: Total BTEX - Total B	ΓEX Calcula	tion						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			07/25/22 10:43	1
Method: 8015 NM - Diesel Rai	•	, , ,	C)					
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			07/25/22 09:39	1
Method: 8015B NM - Diesel R	_		•					
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U F1 F2	50.0	mg/Kg		07/22/22 15:43	07/22/22 23:22	•
Diesel Range Organics (Over C10-C28)	<50.0	U *+ F1 F2	50.0	mg/Kg		07/22/22 15:43	07/22/22 23:22	•
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		07/22/22 15:43	07/22/22 23:22	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
1-Chlorooctane	78		70 - 130			07/22/22 15:43	07/22/22 23:22	- 1
o-Terphenyl	90		70 - 130			07/22/22 15:43	07/22/22 23:22	1
Method: 300.0 - Anions, Ion C	_							
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	108		5.01	mg/Kg			07/23/22 04:39	

Surrogate Summary

Client: Ensolum Job ID: 890-2614-1 Project/Site: Corral Canyon 16 SDG: 03E1558071

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid Prep Type: Total/NA

			Percer	nt Surrogate Recovery (Acceptance Limits)
		BFB1	DFBZ1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
880-17264-A-22-C MS	Matrix Spike	100	88	
880-17264-A-22-D MSD	Matrix Spike Duplicate	101	96	
890-2614-1	SS4	109	90	
LCS 880-30478/1-A	Lab Control Sample	106	98	
LCSD 880-30478/2-A	Lab Control Sample Dup	105	97	
MB 880-30478/5-A	Method Blank	98	86	
Surrogate Legend				
BFB = 4-Bromofluorobe	enzene (Surr)			
DFBZ = 1,4-Difluorober	,			

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

Matrix: Solid Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)					
		1001	ОТРН1				
Lab Sample ID	Client Sample ID	(70-130)	(70-130)				
890-2614-1	SS4	78	90				
890-2614-1 MS	SS4	21 S1-	17 S1-				
890-2614-1 MSD	SS4	11 S1-	6 S1-				
LCS 880-30432/2-A	Lab Control Sample	151 S1+	179 S1+				
LCSD 880-30432/3-A	Lab Control Sample Dup	123	155 S1+				
MB 880-30432/1-A	Method Blank	137 S1+	182 S1+				

1CO = 1-Chlorooctane OTPH = o-Terphenyl

Client: Ensolum

Job ID: 890-2614-1 SDG: 03E1558071

Project/Site: Corral Canyon 16 Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-30478/5-A

Lab Sample ID: LCS 880-30478/1-A

Matrix: Solid

Matrix: Solid

Analysis Batch: 30484

Analysis Batch: 30484

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 30478

	MB	MB						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		07/23/22 18:30	07/24/22 14:29	1
Toluene	<0.00200	U	0.00200	mg/Kg		07/23/22 18:30	07/24/22 14:29	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		07/23/22 18:30	07/24/22 14:29	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		07/23/22 18:30	07/24/22 14:29	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		07/23/22 18:30	07/24/22 14:29	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		07/23/22 18:30	07/24/22 14:29	1

MB MB

Surrogate	%Recovery (Qualifier	Limits	Prepared Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130	07/23/22 18:30 07/24/22 14:29	1
1,4-Difluorobenzene (Surr)	86		70 - 130	07/23/22 18:30 07/24/22 14:29	1

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 30478

Prep Type: Total/NA

Spike LCS LCS %Rec Analyte Added Result Qualifier Unit %Rec Limits Benzene 0.100 0.1098 mg/Kg 110 70 - 130 Toluene 0.100 0.1086 mg/Kg 70 - 130 109 Ethylbenzene 0.100 mg/Kg 70 - 130 0.1126 113 0.200 m-Xylene & p-Xylene 0.2291 mg/Kg 115 70 - 130 o-Xylene 0.100 0.1252 125 70 - 130 mg/Kg

LCS LCS

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	106		70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

Client Sample ID: Lab Control Sample Dup

115

70 - 130

Client Sample ID: Matrix Spike

Matrix: Solid

Analysis Batch: 30484

Lab Sample ID: LCSD 880-30478/2-A

Prep Batch: 30478 Spike LCSD LCSD %Rec **RPD** Analyte Added Result Qualifier Unit %Rec Limits **RPD** Limit Benzene 0.100 0.1024 mg/Kg 102 70 - 130 35 Toluene 0.100 0.1005 mg/Kg 101 70 - 130 8 35 Ethylbenzene 0.100 0.1036 mg/Kg 104 70 - 130 8 35 m-Xylene & p-Xylene 0.200 0.2101 mg/Kg 105 70 - 130 35

0.1148

0.100

LCSD LCSD

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	105		70 - 130
1,4-Difluorobenzene (Surr)	97		70 - 130

Lab Sample ID: 880-17264-A-22-C MS

Released to Imaging: 8/29/2022 11:52:44 AM

o-Xylene

Analysis Batch: 30484										atch: 30478
-	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.00200	U	0.100	0.07613		mg/Kg		76	70 - 130	
Toluene	<0.00200	U	0.100	0.08980		mg/Kg		89	70 - 130	

Eurofins Carlsbad

35

mg/Kg

QC Sample Results

Client: Ensolum Job ID: 890-2614-1 Project/Site: Corral Canyon 16 SDG: 03E1558071

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

Lab Sample ID: 880-17264-A-22-C MS Client Sample ID: Matrix Spike **Matrix: Solid** Prep Type: Total/NA

Analysis Batch: 30484 Prep Batch: 30478

	Sample	Sample	эріке	IVIO	IVIO				%Rec		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Ethylbenzene	<0.00200	U	0.100	0.09841		mg/Kg		98	70 - 130		_
m-Xylene & p-Xylene	<0.00399	U	0.201	0.1966		mg/Kg		98	70 - 130		
o-Xylene	<0.00200	U	0.100	0.1051		mg/Kg		105	70 - 130		

MS MS Surrogate %Recovery Qualifier Limits 4-Bromofluorobenzene (Surr) 100 70 - 130 1,4-Difluorobenzene (Surr) 70 - 130 88

Lab Sample ID: 880-17264-A-22-D MSD **Client Sample ID: Matrix Spike Duplicate**

Matrix: Solid Prep Type: Total/NA

Analysis Batch: 30484 Prep Batch: 30478

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	<0.00200	U	0.0998	0.09261		mg/Kg		93	70 - 130	20	35
Toluene	<0.00200	U	0.0998	0.09185		mg/Kg		92	70 - 130	2	35
Ethylbenzene	<0.00200	U	0.0998	0.09454		mg/Kg		95	70 - 130	4	35
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1915		mg/Kg		96	70 - 130	3	35
o-Xylene	<0.00200	U	0.0998	0.1034		mg/Kg		104	70 - 130	2	35

MSD MSD Surrogate %Recovery Qualifier Limits 4-Bromofluorobenzene (Surr) 101 70 - 130 1,4-Difluorobenzene (Surr) 96 70 - 130

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

Lab Sample ID: MB 880-30432/1-A **Client Sample ID: Method Blank Matrix: Solid** Prep Type: Total/NA

Prep Batch: 30432 **Analysis Batch: 30368** MR MR

	1410	1410							
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics	<50.0	U	50.0	mg/Kg	_	07/22/22 15:43	07/22/22 21:35	1	
(GRO)-C6-C10									
Diesel Range Organics (Over	<50.0	U	50.0	mg/Kg		07/22/22 15:43	07/22/22 21:35	1	
C10-C28)									
OII Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		07/22/22 15:43	07/22/22 21:35	1	

MB MB Dil Fac Surrogate %Recovery Qualifier Limits Prepared Analyzed 07/22/22 15:43 07/22/22 21:35 1-Chlorooctane 137 S1+ 70 - 130

182 S1+ 70 - 130 07/22/22 15:43 07/22/22 21:35 o-Terphenyl Lab Sample ID: LCS 880-30432/2-A **Client Sample ID: Lab Control Sample**

Matrix: Solid Prep Type: Total/NA Analysis Batch: 30368 Prep Batch: 30432 Snika

	Spike	LUS	LUS				70KeC	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics	1000	952.7		mg/Kg		95	70 - 130	 -
(GRO)-C6-C10								
Diesel Range Organics (Over	1000	1360	*+	mg/Kg		136	70 - 130	
C10-C28)								

Client: Ensolum Job ID: 890-2614-1 Project/Site: Corral Canyon 16 SDG: 03E1558071

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

Lab Sample ID: LCS 880-30432/2-A

Matrix: Solid

Analysis Batch: 30368

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 30432

LCS LCS

Surrogate %Recovery Qualifier Limits 151 S1+ 1-Chlorooctane 70 - 130 o-Terphenyl 179 S1+ 70 - 130

Lab Sample ID: LCSD 880-30432/3-A **Client Sample ID: Lab Control Sample Dup**

Matrix: Solid Prep Type: Total/NA **Analysis Batch: 30368** Prep Batch: 30432

LCSD LCSD %Rec RPD Spike Analyte Added Result Qualifier Unit %Rec Limits RPD Limit Gasoline Range Organics 1000 812.0 mg/Kg 81 70 - 130 16 20 (GRO)-C6-C10 1000 Diesel Range Organics (Over 1147 mg/Kg 115 70 - 130 17 20 C10-C28)

LCSD LCSD

Surrogate	%Recovery Qua	lifier Limits
1-Chlorooctane	123	70 - 130
o-Terphenyl	155 S1+	70 - 130

Lab Sample ID: 890-2614-1 MS **Client Sample ID: SS4 Prep Type: Total/NA**

Matrix: Solid

Analysis Batch: 30368 Prep Batch: 30432 Sample Sample Spike MS MS %Rec

Result Qualifier Added Result Qualifier Limits Analyte Unit D %Rec <50.0 U F1 F2 1000 Gasoline Range Organics 286.3 F1 mg/Kg 26 70 - 130 (GRO)-C6-C10 Diesel Range Organics (Over <50.0 U*+ F1 1000 173.7 F1 mg/Kg 17 70 - 130 C10-C28) F2

MS MS

Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	21	S1-	70 - 130
o-Terphenvl	17	S1-	70 - 130

Lab Sample ID: 890-2614-1 MSD Client Sample ID: SS4 **Matrix: Solid Prep Type: Total/NA**

Analysis Batch: 30368 Prep Batch: 30432

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Gasoline Range Organics (GRO)-C6-C10	<50.0	U F1 F2	999	212.0	F1 F2	mg/Kg		19	70 - 130	30	20	
Diesel Range Organics (Over C10-C28)	<50.0	U *+ F1 F2	999	74.76	F1 F2	mg/Kg		7	70 - 130	80	20	

MSD MSD %Recovery Qualifier Limits Surrogate

11 S1-70 - 130 1-Chlorooctane 6 S1-70 - 130 o-Terphenyl

Client Sample ID: Method Blank

Client Sample ID: Lab Control Sample

Client Sample ID: Lab Control Sample Dup

Client Sample ID: Matrix Spike Duplicate

Prep Type: Soluble

Client Sample ID: Matrix Spike

QC Sample Results

Client: Ensolum Job ID: 890-2614-1 Project/Site: Corral Canyon 16 SDG: 03E1558071

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-30244/1-A

Analysis Batch: 30412

Matrix: Solid

MB MB

Analyte Result Qualifier RL Unit Analyzed Dil Fac D Prepared 5.00 07/23/22 02:12 Chloride <5.00 U mg/Kg

Lab Sample ID: LCS 880-30244/2-A

Matrix: Solid

Analysis Batch: 30412

Spike LCS LCS %Rec Analyte Added Result Qualifier Unit D %Rec Limits Chloride 250 90 - 110 261.0 mg/Kg 104

Lab Sample ID: LCSD 880-30244/3-A

Matrix: Solid

Analysis Batch: 30412

Spike LCSD LCSD %Rec RPD Analyte Added Result Qualifier Limits **RPD** Limit Unit %Rec Chloride 250 262.5 105 90 - 110 mg/Kg

Lab Sample ID: 890-2592-A-1-C MS

Matrix: Solid

Analysis Batch: 30412

Spike MS MS %Rec Sample Sample Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits Chloride 252 276.9 5.66 mg/Kg 108 90 - 110

Lab Sample ID: 890-2592-A-1-D MSD

Matrix: Solid

Analysis Batch: 30412

MSD MSD RPD Sample Sample Spike %Rec Analyte Result Qualifier Added Unit %Rec Limits RPD Limit Result Qualifier Chloride 5.66 252 277.2 108 90 - 110 20 mg/Kg 0

QC Association Summary

Client: Ensolum Job ID: 890-2614-1
Project/Site: Corral Canyon 16 SDG: 03E1558071

GC VOA

Prep Batch: 30478

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2614-1	SS4	Total/NA	Solid	5035	
MB 880-30478/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-30478/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-30478/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-17264-A-22-C MS	Matrix Spike	Total/NA	Solid	5035	
880-17264-A-22-D MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 30484

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2614-1	SS4	Total/NA	Solid	8021B	30478
MB 880-30478/5-A	Method Blank	Total/NA	Solid	8021B	30478
LCS 880-30478/1-A	Lab Control Sample	Total/NA	Solid	8021B	30478
LCSD 880-30478/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	30478
880-17264-A-22-C MS	Matrix Spike	Total/NA	Solid	8021B	30478
880-17264-A-22-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	30478

Analysis Batch: 30547

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2614-1	SS4	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 30368

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2614-1	SS4	Total/NA	Solid	8015B NM	30432
MB 880-30432/1-A	Method Blank	Total/NA	Solid	8015B NM	30432
LCS 880-30432/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	30432
LCSD 880-30432/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	30432
890-2614-1 MS	SS4	Total/NA	Solid	8015B NM	30432
890-2614-1 MSD	SS4	Total/NA	Solid	8015B NM	30432

Prep Batch: 30432

Lab Sample ID 890-2614-1	Client Sample ID	Prep Type Total/NA	Matrix Solid	Method 8015NM Prep	Prep Batch
MB 880-30432/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-30432/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-30432/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-2614-1 MS	SS4	Total/NA	Solid	8015NM Prep	
890-2614-1 MSD	SS4	Total/NA	Solid	8015NM Prep	

Analysis Batch: 30522

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2614-1	SS4	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 30244

Lab Sample ID 890-2614-1	Client Sample ID SS4	Prep Type Soluble	Matrix Solid	Method DI Leach	Prep Batch
MB 880-30244/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-30244/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-30244/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

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Page 11 of 19

QC Association Summary

Client: Ensolum Project/Site: Corral Canyon 16

Job ID: 890-2614-1 SDG: 03E1558071

HPLC/IC (Continued)

Leach Batch: 30244 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2592-A-1-C MS	Matrix Spike	Soluble	Solid	DI Leach	
890-2592-A-1-D MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 30412

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2614-1	SS4	Soluble	Solid	300.0	30244
MB 880-30244/1-A	Method Blank	Soluble	Solid	300.0	30244
LCS 880-30244/2-A	Lab Control Sample	Soluble	Solid	300.0	30244
LCSD 880-30244/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	30244
890-2592-A-1-C MS	Matrix Spike	Soluble	Solid	300.0	30244
890-2592-A-1-D MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	30244

Lab Chronicle

Client: Ensolum
Project/Site: Corral Canyon 16
Job ID: 890-2614-1
SDG: 03E1558071

Client Sample ID: 890-2614-1

Date Collected: 07/19/22 11:45

Date Received: 07/21/22 16:15

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	30478	07/23/22 18:30	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	30484	07/24/22 15:11	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			30547	07/25/22 10:43	SM	XEN MID
Total/NA	Analysis	8015 NM		1			30522	07/25/22 09:39	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	30432	07/22/22 15:43	DM	XEN MID
Total/NA	Analysis	8015B NM		1			30368	07/22/22 23:22	AJ	XEN MID
Soluble	Leach	DI Leach			4.99 g	50 mL	30244	07/22/22 13:36	SMC	XEN MID
Soluble	Analysis	300.0		1			30412	07/23/22 04:39	CH	XEN MID

Laboratory References:

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

Eurofins Carlsbad

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Accreditation/Certification Summary

Client: Ensolum Job ID: 890-2614-1
Project/Site: Corral Canyon 16 SDG: 03E1558071

Laboratory: Eurofins Midland

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

Authority	Pr	ogram	Identification Number	Expiration Date	
Texas	NE	ELAP	T104704400-22-24	06-30-23	
The following analyte the agency does not		ort, but the laboratory is r	not certified by the governing authority.	This list may include analytes for which	
and agency does not	oner certification.				
Analysis Method	Prep Method	Matrix	Analyte		
0 ,		Matrix Solid	Analyte Total TPH		

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Method Summary

Client: Ensolum

Project/Site: Corral Canyon 16

Job ID: 890-2614-1

SDG: 03F1558071

ODG. 00L 10000	,, ,
	_
Laboratory	

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

Protocol References:

ASTM = ASTM International

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Ensolum

Project/Site: Corral Canyon 16

Job ID: 890-2614-1

SDG: 03E1558071

Lab Sample ID Client Sample ID Collected Matrix Received Depth 890-2614-1 SS4 Solid 07/19/22 11:45 07/21/22 16:15 6'

eurofins Xenco **Environment Testing**

Chain of Custody

Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334 EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296 Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199 Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300

Record R			
Preservative None: NO Cool: Cool H ₂ SO ₄ : H ₂ H ₃ PO ₄ : HP NaHSO ₄ : NABIS Na ₂ S ₂ O ₃ : NaSO ₃ Zn Acetate+NaOH NaOH+Ascorbic As Sample Cor Sample Cor FACTIS WATP 2013 Se Ag SiO ₂ Na Sr Tl Sn U V Zn Hg: 1631/245.1/7470/7471 Date Date Descrived by: (Signature) Date Doctoric NO CC Date Date Description Date Description Date Description Cool: Cool Hg: 1631/245.1/7470/7471 Date Date Description Date Description Date Description Description		_	
Preservative None: NO Cool: Cool H ₂ SO ₄ : H ₂ H ₃ PO ₄ : HP NaHSO ₄ : NABIS Na ₂ S ₂ O ₃ : NaSO ₃ Zn Acetate+NaOH NaOH+Ascorbic Ac Sample Cor FALTI MATP 2013 Se Ag SiO ₂ Na Sr Tl Sn U V Zn Hg: 1631 / 245.1 / 7470 / 7471		d by: (Signature) Date/Time Relinquished by: (Signature) Received by: (Signature)	Relinquished by: (Signature)
Turn Around Deuther Deliverables: EDD Other:		sa valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control crand a charge of \$5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.	ignature of this document and relinquishment of samples constitute. e. Eurofins Xenco will be liable only for the cost of samples and shall in Xenco. A minimum charge of \$85.00 will be applied to each proje
Turn Around Contest	Sr Tl Sn U V Zn 5.1 / 7470 / 7471	Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni CRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U	Total 200.7 / 6010 200.8 / 6020: Circle Method(s) and Metal(s) to be analyzed
Turn Around Turn Around Turn Around Turn Around ANALYSIS REQUEST Preservative All Canals Temp Blank: (Yes) No Temperature Reading: 4-0 Yes No (VIA) Corrected Temperature Reading: 4-0 Sampled Sampl			
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Temp Blank: Yes No Ni/A Temperature Reading: Comp Contected Temperature: Time Depth Comp Cont Comp Contected Temperature: Time Depth Comp Cont Cont Comp Cont C	13	3	
Contraction	33		
Turn Around Turn Around Preservative ANALYSIS REQUEST ANALYSIS REQUEST ANALYSIS REQUEST Preservative Preservative ANALYSIS REQUEST ANALYSIS REQUEST None: No Cool: Cool HCL: HC H;50 ;: H2 H;50 ;: H2 H;50 ;: H3 Ves No N/A Corrected Temperature Reading: Ves No N/A Temperature Readin	WHILE TOTALIAN		
Turn Around Turn Around ANALYSIS REQUEST ANALYSIS REQUEST Preservative None: NO Cool: Cool HCL: HC Hyso No Thermometer ID: Yes No NA Corrected Temperature: Temp Blank: Yes No NA Temp Blank: NO Temp Blank:	Fac 21)	1-	h-2 5
Turn Around Preservative ANALYSIS REQUEST ANALYSIS REQUEST Preservative Preservative None: NO Cool: Cool Hcl: HC Hcs No Thermometer ID: Ves No N/A Temperature Reading: Ves No N/A Corrected Temperature: Turn Around ANALYSIS REQUEST ANALYSIS REQUEST ANALYSIS REQUEST None: NO Cool: Cool Hccol Hcl: HC Hccol Hc	Sample Comments	Time Depth Comp	Matrix
Turn Around Preservative ANALYSIS REQUEST ANALYSIS REQUEST ANALYSIS REQUEST None: NO Cool: Cool HCL: HC H350 4: H2 Yes No N/A Correction Factor: Yes No N/A Temperature Reading: ANALYSIS REQUEST ANALYSIS REQUEST ANALYSIS REQUEST ANALYSIS REQUEST None: NO Cool: Cool H20: H2 H350 4: H2 H350 4: H2 H350 4: H2 H360 4: NABIS Na25 203: NASO 3 Zn Acetate+NaOH	NaOH+Ascorbic Acid: SAPC	He PI	
Turn Around Turn Around ANALYSIS REQUEST ANALYSIS REQUEST Preservative Analysis Request None: No Cool: Cool HCL: HC H ₂ PO ₄ : H ₂ Press No No N/A Correction Factor:	Zn Acetate+NaOH: Zn	エ・シー・メル	Yes No NIA
Turn Around Preservative ANALYSIS REQUEST ANALYSIS REQUEST ANALYSIS REQUEST ANALYSIS REQUEST Preservative Cool: Cool Cool: Cool H ₂ SO ₄ : H ₂ H ₃ PO ₄ : HP NaHSO 4: NABIS	Na ₂ S ₂ O ₃ : NaSO ₃	600	NO N/A
Cool: Cool Cool: Wes No Wet kee: Yes No West kee: Yes No W	NaHSO 4: NABIS	GO-WALL) No
Continue	H ₃ PO ₄ : HP	Wet ice: (Yes) No	Yes
State Control Contro			7
State Control Cool: Cool		TAT starts the day received by	CDI
817-185-2503 Email: Deliverables: EDD ADaPT Other: Office ANALYSIS REQUEST Preservative ON 155-4071 Routine Pres. Code ANALYSIS REQUEST None: NO	0	Due Date: 32a	Project Location: Edd County
817-285-2503 Email: Deliverables: EDD ADAPT L		Rush	Project Number: 035155 %o71
Email: Deliverables: EDD ADaPT	Preservative Codes		Project Name:
		Deliverables: EDD L	817-685-2503

SAMPL PO #:

ompany Name:

Shives

Bill to: (if different) Company Name:

Program:

UST/PST PRP Brownfields RRC

Superfund [

Work Order Comments

www.xenco.com

State of Project:

Reporting: Level II | Level III | PST/UST | TRRP | Level IV |

Work Order No:

7/25/2022

Login Sample Receipt Checklist

Client: Ensolum Job Number: 890-2614-1 SDG Number: 03E1558071

Login Number: 2614 **List Source: Eurofins Carlsbad**

List Number: 1

Creator: Stutzman, Amanda

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

Login Sample Receipt Checklist

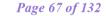
Client: Ensolum Job Number: 890-2614-1 SDG Number: 03E1558071

Login Number: 2614 **List Source: Eurofins Midland** List Creation: 07/22/22 12:56 PM List Number: 2

Creator: Rodriguez, Leticia

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

<6mm (1/4").





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Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 890-2615-1

Laboratory Sample Delivery Group: Eddy County

Client Project/Site: Corral Canyon 16

For:

Ensolum 705 W. Wadley Suite 210 Midland, Texas 79701

Attn: Kalei Jennings

RAMER

Authorized for release by: 7/25/2022 10:34:04 AM

Jessica Kramer, Project Manager (432)704-5440

Jessica.Kramer@et.eurofinsus.com

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

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

Client: Ensolum
Project/Site: Corral Canyon 16
Laboratory Job ID: 890-2615-1
SDG: Eddy County

Table of Contents

Cover Page	1
Table of Contents	2
Definitions/Glossary	3
Case Narrative	4
Client Sample Results	5
Surrogate Summary	6
QC Sample Results	7
QC Association Summary	11
Lab Chronicle	13
Certification Summary	14
Method Summary	15
Sample Summary	16
Chain of Custody	17
Receipt Checklists	19

6
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Definitions/Glossary

Client: Ensolum Job ID: 890-2615-1 Project/Site: Corral Canyon 16 SDG: Eddy County

Qualifiers

GC VOA

Qualifier **Qualifier Description**

Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
S1-	Surrogate recovery exceeds control limits, low biased.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.
HPLC/IC	
Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

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

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

Eurofins Carlsbad

Toxicity Equivalent Factor (Dioxin) Toxicity Equivalent Quotient (Dioxin)

Too Numerous To Count

RPD

TEF

TEQ TNTC

Case Narrative

Client: Ensolum

Project/Site: Corral Canyon 16

Job ID: 890-2615-1 SDG: Eddy County

· y

Job ID: 890-2615-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative 890-2615-1

Receipt

The sample was received on 7/21/2022 3:33 PM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 4.0°C

GC VOA

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 and precision for preparation batch 880-30432 and analytical batch 880-30368 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

Method 8015MOD_NM: The diesel range was biased high in the LCS, however since only an LCS or LCSD are required the data was qualified and reported. (LCS 880-30432/2-A)

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.

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Matrix: Solid

Lab Sample ID: 890-2615-1

Client Sample Results

Client: Ensolum

Project/Site: Corral Canyon 16

Job ID: 890-2615-1

SDG: Eddy County

Client Sample ID: SS1

Date Collected: 07/19/22 11:00 Date Received: 07/21/22 15:33

Sample Depth: 0.5'

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0.00201	U	0.00201	mg/Kg		07/23/22 18:30	07/24/22 15:32	-
Toluene	<0.00201	U	0.00201	mg/Kg		07/23/22 18:30	07/24/22 15:32	
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		07/23/22 18:30	07/24/22 15:32	
m-Xylene & p-Xylene	<0.00402	U	0.00402	mg/Kg		07/23/22 18:30	07/24/22 15:32	
o-Xylene	<0.00201	U	0.00201	mg/Kg		07/23/22 18:30	07/24/22 15:32	
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		07/23/22 18:30	07/24/22 15:32	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	90		70 - 130			07/23/22 18:30	07/24/22 15:32	
1,4-Difluorobenzene (Surr)	81		70 - 130			07/23/22 18:30	07/24/22 15:32	
Method: Total BTEX - Total BTEX	Calculation							
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Total BTEX	<0.00402	U	0.00402	mg/Kg			07/25/22 10:43	
Method: 8015 NM - Diesel Range		O) (GC) Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Analyte Total TPH	- Kesuit <49.9		49.9			Frepareu	07/25/22 09:39	Dil Fa
IOIAI IFFI	\49.9	U	49.9	mg/Kg			07/25/22 09.59	
Method: 8015B NM - Diesel Rang	je Organics (D	RO) (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		07/22/22 15:43	07/23/22 00:27	
Diesel Range Organics (Over C10-C28)	<49.9	U *+	49.9	mg/Kg		07/22/22 15:43	07/23/22 00:27	
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		07/22/22 15:43	07/23/22 00:27	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
1-Chlorooctane	1	S1-	70 - 130			07/22/22 15:43	07/23/22 00:27	
o-Terphenyl	0.2	S1-	70 - 130			07/22/22 15:43	07/23/22 00:27	
Method: 300.0 - Anions, Ion Chro	0 . ,							
Method: 300.0 - Anions, Ion Chro Analyte	0 . ,	Soluble Qualifier	RL	Unit mg/Kg	D	Prepared	Analyzed 07/23/22 04:48	Dil Fa

Surrogate Summary

Client: Ensolum Job ID: 890-2615-1
Project/Site: Corral Canyon 16 SDG: Eddy County

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid Prep Type: Total/NA

				Percent Surrogate Rec
		BFB1	DFBZ1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
880-17264-A-22-C MS	Matrix Spike	100	88	
880-17264-A-22-D MSD	Matrix Spike Duplicate	101	96	
890-2615-1	SS1	90	81	
LCS 880-30478/1-A	Lab Control Sample	106	98	
LCSD 880-30478/2-A	Lab Control Sample Dup	105	97	
MB 880-30478/5-A	Method Blank	98	86	
Surrogate Legend				
BFB = 4-Bromofluoroben	zene (Surr)			
DFBZ = 1,4-Difluorobenz	ene (Surr)			

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

Matrix: Solid Prep Type: Total/NA

				Percent Surrogate Recovery (Acceptance Limits)
		1CO1	OTPH1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
890-2614-A-1-D MS	Matrix Spike	21 S1-	17 S1-	
890-2614-A-1-E MSD	Matrix Spike Duplicate	11 S1-	6 S1-	
890-2615-1	SS1	1 S1-	0.2 S1-	
LCS 880-30432/2-A	Lab Control Sample	151 S1+	179 S1+	
LCSD 880-30432/3-A	Lab Control Sample Dup	123	155 S1+	
MB 880-30432/1-A	Method Blank	137 S1+	182 S1+	
Surrogate Legend				

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: Ensolum Job ID: 890-2615-1 Project/Site: Corral Canyon 16 SDG: Eddy County

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-30478/5-A

Matrix: Solid Analysis Batch: 30484 Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 30478

	IVID	IVID						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		07/23/22 18:30	07/24/22 14:29	1
Toluene	<0.00200	U	0.00200	mg/Kg		07/23/22 18:30	07/24/22 14:29	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		07/23/22 18:30	07/24/22 14:29	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		07/23/22 18:30	07/24/22 14:29	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		07/23/22 18:30	07/24/22 14:29	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		07/23/22 18:30	07/24/22 14:29	1

MB MB

MD MD

Surrogate	%Recovery	Qualifier	Limits		Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130	-	07/23/22 18:30	07/24/22 14:29	1
1,4-Difluorobenzene (Surr)	86		70 - 130		07/23/22 18:30	07/24/22 14:29	1

Lab Sample ID: LCS 880-30478/1-A

Matrix: Solid

Analysis Batch: 30484

Client Sample ID: Lab Control Sample

Prep Type: Total/NA Prep Batch: 30478

LCS LCS Spike Analyte Added Result Qualifier Unit %Rec Limits Benzene 0.100 0.1098 mg/Kg 110 70 - 130 Toluene 0.100 0.1086 mg/Kg 109 70 - 130 0.100 Ethylbenzene 0.1126 mg/Kg 113 70 - 130 0.200 0.2291 115 70 - 130 m-Xylene & p-Xylene mg/Kg 0.100 0.1252 125 70 - 130 o-Xylene mg/Kg

LCS LCS

Surrogate	%Recovery	Qualifier	Limits		
4-Bromofluorobenzene (Surr)	106		70 - 130		
1,4-Difluorobenzene (Surr)	98		70 - 130		

Lab Sample ID: LCSD 880-30478/2-A

Matrix: Solid

Analysis Batch: 30484

Prep Type: Total/NA

Prep Batch: 30478

	Spike	LCSD	LCSD				%Rec		RPD	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Benzene	0.100	0.1024		mg/Kg		102	70 - 130	7	35	
Toluene	0.100	0.1005		mg/Kg		101	70 - 130	8	35	
Ethylbenzene	0.100	0.1036		mg/Kg		104	70 - 130	8	35	
m-Xylene & p-Xylene	0.200	0.2101		mg/Kg		105	70 - 130	9	35	
o-Xylene	0.100	0.1148		mg/Kg		115	70 - 130	9	35	

LCSD LCSD

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	105		70 - 130
1.4-Difluorobenzene (Surr)	97		70 - 130

Lab Sample ID: 880-17264-A-22-C MS

Matrix: Solid

Analysis Batch: 30484

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

Prep Batch: 30478

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.00200	U	0.100	0.07613		mg/Kg	_	76	70 - 130	
Toluene	<0.00200	U	0.100	0.08980		mg/Kg		89	70 - 130	

QC Sample Results

Client: Ensolum Job ID: 890-2615-1 Project/Site: Corral Canyon 16 SDG: Eddy County

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

Lab Sample ID: 880-17264-A-22-C MS

Matrix: Solid

Analysis Batch: 30484

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

Prep Batch: 30478

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Ethylbenzene	<0.00200	U	0.100	0.09841		mg/Kg		98	70 - 130	
m-Xylene & p-Xylene	<0.00399	U	0.201	0.1966		mg/Kg		98	70 - 130	
o-Xylene	<0.00200	U	0.100	0.1051		mg/Kg		105	70 - 130	

MS MS

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	100		70 - 130
1,4-Difluorobenzene (Surr)	88		70 - 130

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 30478

Matrix: Solid Analysis Batch: 30484

Lab Sample ID: 880-17264-A-22-D MSD

Sample Sample Spike MSD MSD Result Qualifier Added Result Qualifier RPD Limit Analyte Unit %Rec Limits 0.0998 Benzene <0.00200 U 0.09261 mg/Kg 93 70 - 130 20 35 Toluene 0.09185 <0.00200 U 0.0998 mg/Kg 92 70 - 130 2 35 Ethylbenzene <0.00200 U 0.0998 0.09454 mg/Kg 95 70 - 130 4 35 <0.00399 U 0.200 0.1915 96 70 - 130 35 m-Xylene & p-Xylene mg/Kg 3 0.0998 <0.00200 U 0.1034 70 - 130 2 o-Xylene mg/Kg 104

MSD MSD

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	101		70 - 130
1,4-Difluorobenzene (Surr)	96		70 - 130

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

Lab Sample ID: MB 880-30432/1-A

Matrix: Solid

Analysis Batch: 30368

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 30432

	MB	MB						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		07/22/22 15:43	07/22/22 21:35	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		07/22/22 15:43	07/22/22 21:35	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		07/22/22 15:43	07/22/22 21:35	1

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	137	S1+	70 - 130	07/22/22 15:43	07/22/22 21:35	1
o-Terphenyl	182	S1+	70 - 130	07/22/22 15:43	07/22/22 21:35	1

Lab Sample ID: LCS 880-30432/2-A

Matrix: Solid

Analysis Batch: 30368

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 30432

	Sp	ke	LCS	LCS				%Rec	
Analyte	Add	ed	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics		000	952.7		mg/Kg		95	70 - 130	
(GRO)-C6-C10									
Diesel Range Organics (Over	10	000	1360	*+	mg/Kg		136	70 - 130	
C10-C28)									

Job ID: 890-2615-1

Client: Ensolum Project/Site: Corral Canyon 16 SDG: Eddy County

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

Lab Sample ID: LCS 880-30432/2-A **Client Sample ID: Lab Control Sample**

Matrix: Solid Prep Type: Total/NA Analysis Batch: 30368 Prep Batch: 30432

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	151	S1+	70 - 130
o-Terphenvl	179	S1+	70 - 130

Lab Sample ID: LCSD 880-30432/3-A Client Sample ID: Lab Control Sample Dup

Matrix: Solid Prep Type: Total/NA Analysis Batch: 30368 Prep Batch: 30432

Spike LCSD LCSD %Rec RPD Analyte Added Result Qualifier Unit D %Rec Limits RPD Limit 1000 812.0 81 70 - 130 16 20 Gasoline Range Organics mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over 1000 1147 mg/Kg 115 70 - 13017 20 C10-C28)

LCSD LCSD Surrogate %Recovery Qualifier Limits 123 70 - 130 1-Chlorooctane o-Terphenyl 155 S1+ 70 - 130

Lab Sample ID: 890-2614-A-1-D MS Client Sample ID: Matrix Spike

Matrix: Solid Prep Type: Total/NA

Analysis Batch: 30368 Prep Batch: 30432 Sample Sample Spike MS MS

	Campio	Campio	Opino						701100		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Gasoline Range Organics (GRO)-C6-C10	<50.0	U F1 F2	1000	286.3	F1	mg/Kg		26	70 - 130		_
Diesel Range Organics (Over	<50.0	U *+ F1	1000	173.7	F1	mg/Kg		17	70 - 130		
C10-C28)		F2									
	MS	MS									

Surrogate %Recovery Qualifier Limits 21 S1-70 - 130 1-Chlorooctane o-Terphenyl 17 S1-70 - 130

Lab Sample ID: 890-2614-A-1-E MSD Client Sample ID: Matrix Spike Duplicate

Matrix: Solid Prep Type: Total/NA

Analysis Batch: 30368 Prep Batch: 30432

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Gasoline Range Organics	<50.0	U F1 F2	999	212.0	F1 F2	mg/Kg		19	70 - 130	30	20	
(GRO)-C6-C10												
Diesel Range Organics (Over	<50.0	U *+ F1	999	74.76	F1 F2	mg/Kg		7	70 - 130	80	20	
C10-C28)		F2										

010-020)		12	
	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	11	S1-	70 - 130
o-Terphenvl	6	S1-	70 ₋ 130

Client Sample ID: Method Blank

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: SS1

Client Sample ID: SS1

Prep Type: Soluble

Prep Type: Soluble

QC Sample Results

Client: Ensolum Job ID: 890-2615-1
Project/Site: Corral Canyon 16 SDG: Eddy County

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-30244/1-A

Matrix: Solid

Analysis Batch: 30412

мв мв

 Analyte
 Result Chloride
 Qualifier
 RL Unit
 Unit mg/Kg
 D Prepared
 Analyzed Analyzed 07/23/22 02:12
 Dil Fac 07/23/22 02:12

Lab Sample ID: LCS 880-30244/2-A

Matrix: Solid

Analysis Batch: 30412

Spike LCS LCS %Rec Added Analyte Result Qualifier Unit D %Rec Limits Chloride 250 261.0 mg/Kg 104 90 - 110

Lab Sample ID: LCSD 880-30244/3-A

Matrix: Solid

Analysis Batch: 30412

LCSD LCSD %Rec RPD Spike Analyte Added Result Qualifier Unit %Rec Limits RPD Limit Chloride 250 262.5 mg/Kg 105 90 - 110

Lab Sample ID: 890-2615-1 MS

Matrix: Solid

Analysis Batch: 30412

Spike MS MS %Rec Sample Sample Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits Chloride 95.9 252 330.4 93 90 - 110 mg/Kg

Lab Sample ID: 890-2615-1 MSD

Matrix: Solid

Analysis Batch: 30412

Sample Sample Spike MSD MSD %Rec RPD Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits RPD Limit Chloride 249 95.9 327.2 mg/Kg 93 90 - 110 20

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11

QC Association Summary

Client: Ensolum

Project/Site: Corral Canyon 16

Job ID: 890-2615-1 SDG: Eddy County

/ County

GC VOA

Prep Batch: 30478

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2615-1	SS1	Total/NA	Solid	5035	
MB 880-30478/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-30478/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-30478/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-17264-A-22-C MS	Matrix Spike	Total/NA	Solid	5035	
880-17264-A-22-D MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 30484

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2615-1	SS1	Total/NA	Solid	8021B	30478
MB 880-30478/5-A	Method Blank	Total/NA	Solid	8021B	30478
LCS 880-30478/1-A	Lab Control Sample	Total/NA	Solid	8021B	30478
LCSD 880-30478/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	30478
880-17264-A-22-C MS	Matrix Spike	Total/NA	Solid	8021B	30478
880-17264-A-22-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	30478

Analysis Batch: 30548

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2615-1	SS1	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 30368

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2615-1	SS1	Total/NA	Solid	8015B NM	30432
MB 880-30432/1-A	Method Blank	Total/NA	Solid	8015B NM	30432
LCS 880-30432/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	30432
LCSD 880-30432/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	30432
890-2614-A-1-D MS	Matrix Spike	Total/NA	Solid	8015B NM	30432
890-2614-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	30432

Prep Batch: 30432

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2615-1	SS1	Total/NA	Solid	8015NM Prep	
MB 880-30432/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-30432/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-30432/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-2614-A-1-D MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-2614-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 30523

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2615-1	SS1	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 30244

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2615-1	SS1	Soluble	Solid	DI Leach	
MB 880-30244/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-30244/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-30244/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

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13

QC Association Summary

Client: Ensolum

Project/Site: Corral Canyon 16

Job ID: 890-2615-1

SDG: Eddy County

HPLC/IC (Continued)

Leach Batch: 30244 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2615-1 MS	SS1	Soluble	Solid	DI Leach	
890-2615-1 MSD	SS1	Soluble	Solid	DI Leach	

Analysis Batch: 30412

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2615-1	SS1	Soluble	Solid	300.0	30244
MB 880-30244/1-A	Method Blank	Soluble	Solid	300.0	30244
LCS 880-30244/2-A	Lab Control Sample	Soluble	Solid	300.0	30244
LCSD 880-30244/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	30244
890-2615-1 MS	SS1	Soluble	Solid	300.0	30244
890-2615-1 MSD	SS1	Soluble	Solid	300.0	30244

12

Lab Chronicle

Client: Ensolum

Project/Site: Corral Canyon 16

Job ID: 890-2615-1

SDG: Eddy County

Client Sample ID: SS1

Lab Sample ID: 890-2615-1

Matrix: Solid

Date Collected: 07/19/22 11:00 Date Received: 07/21/22 15:33

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	30478	07/23/22 18:30	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	30484	07/24/22 15:32	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			30548	07/25/22 10:43	SM	XEN MID
Total/NA	Analysis	8015 NM		1			30523	07/25/22 09:39	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	30432	07/22/22 15:43	DM	XEN MID
Total/NA	Analysis	8015B NM		1			30368	07/23/22 00:27	AJ	XEN MID
Soluble	Leach	DI Leach			4.97 g	50 mL	30244	07/22/22 13:36	SMC	XEN MID
Soluble	Analysis	300.0		1	0 mL	1.0 mL	30412	07/23/22 04:48	CH	XEN MID

Laboratory References:

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

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13

Accreditation/Certification Summary

Client: Ensolum Job ID: 890-2615-1 Project/Site: Corral Canyon 16 SDG: Eddy County

Laboratory: Eurofins Midland

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

Authority	Pi	rogram	Identification Number	Expiration Date
Texas	N	ELAP	T104704400-22-24	06-30-23
The following analytes the agency does not of		ut the laboratory is not certifi	ed by the governing authority. This list ma	ay include analytes fo
	er certification.			
Analysis Method	Prep Method	Matrix	Analyte	
9 ,		Matrix Solid	Analyte Total TPH	

Method Description

Total BTEX Calculation

Microextraction

Volatile Organic Compounds (GC)

Diesel Range Organics (DRO) (GC)

Diesel Range Organics (DRO) (GC)

Deionized Water Leaching Procedure

Anions, Ion Chromatography

Closed System Purge and Trap

Method Summary

Client: Ensolum

Method

8021B

Total BTEX

8015 NM

8015B NM

8015NM Prep

DI Leach

300.0

5035

Project/Site: Corral Canyon 16

Job ID: 890-2615-1

SDG: Eddy County

Protocol	Laboratory
SW846	XEN MID
TAL SOP	XEN MID
SW846	XEN MID
SW846	XEN MID
MCAWW	XEN MID

XEN MID

XEN MID

XEN MID

SW846

SW846

ASTM

Protocol References:

ASTM = ASTM International

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Ensolum

Project/Site: Corral Canyon 16

Job ID: 890-2615-1

SDG: Eddy County

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-2615-1	SS1	Solid	07/19/22 11:00	07/21/22 15:33	0.5'

eurofins Environment Testing	Houston, T	Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300	Work Order No.
Xenco	EL Paso, TX (Midalna, TA (432) 704-3440, 3df Africollo, TA (210) 305-3334 EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296	AACIN CIGGI IAC
	Hobbs, NM	Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199	
12.6- 7	Bill to: (if different)	Carrie Carrie	Work Order Comments
Company Name:	Company Name:	XTO SWOWY	Program: UST/PST PRP Brownfields RRC Superfund
	Address:	3104 E Greac Sr	roject:
City, State ZIP: Cards bad MM 88220	City, State ZIP:	Carlobal N/M 88220	Reporting: Level III Level III PST/UST TRRP Level IV
617-683-2563	garrest.	green@exon rob le com	Deliverables: EDD ADaPT Other:
Project Name: Corral Confor /6 Turn	Turn Around	ANALYSIS REQUES	UEST Preservative Codes
Project Number: () 3 2 / 5 5 407/ Routine	Rush Code		None: NO DI Water: H ₂ O
£183	3 Day		Cool: Cool MeOH: Me
	TAT starts the day received by the lab, if received by 4:30pm		H-SO.; H NaOH: Na
SAMPLE RECEIPT Temp Blank: Cree No Wet ice:	Yes No		H ₃ PO ₄ ; HP
Samples Received Intact: (Yes No Thermometer ID:	90		
Cooler Custody Seals: Yes No N/A Correction Factor:	200	890-2615 Chain of Cuswey	Zn Aretate+NaOH-Zn
	0.4	76 PH	NaOH+Ascorbic Acid: SAPC
Sample Identification Matrix Date Time Sampled Sampled	Depth Grab/ # of Cont	BI	Sample Comments
351 5 7-19 1100	5461		The DO
			MAPP KK PARM
			100/241/00
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	and the second s		
Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP	M Texas 11 Al Sb PLP 6010 : 8RCRA S	TCLP/SPLP 6010:8RCRA Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K	g Mn Mo Ni K Se Ag SiO ₂ Na Sr Tl Sn U V Zn Se Ag Tl U Hg: 1631 / 245.1 / 7470 / 7471
hotice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of the cost of samples and a charge of \$5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.	er from client company to Eur nsibility for any losses or expe for each cample submitted to	ofins Xenco, its affiliates and subcontractors. It assigns standard ternses incurred by the client if such losses are due to circumstances be Furofins Xenco, but not analyzed. These terms will be enforced unle	ms and conditions synd the control state of the con
Relinquished by: (Signature) Received by: (Signature)	9)	Date/Time Relinquished by: (Signature)	ure) Received by: (Signature) Date/Time
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Login Sample Receipt Checklist

Client: Ensolum Job Number: 890-2615-1 SDG Number: Eddy County

List Source: Eurofins Carlsbad Login Number: 2615

List Number: 1

Creator: Stutzman, Amanda

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

Login Sample Receipt Checklist

Client: Ensolum

Job Number: 890-2615-1

SDG Number: Eddy County

SDG Number: Eddy County

List Source: Eurofins Midland
List Number: 2
List Creation: 07/22/22 12:56 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 <6mm (1/4").	N/A	

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Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 890-2616-1

Laboratory Sample Delivery Group: Eddy County

Client Project/Site: Corral Canyon 16

For:

Ensolum 705 W. Wadley Suite 210 Midland, Texas 79701

Attn: Kalei Jennings

RAMER

Authorized for release by: 7/25/2022 10:34:23 AM

Jessica Kramer, Project Manager (432)704-5440

Jessica.Kramer@et.eurofinsus.com

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

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

Client: Ensolum
Project/Site: Corral Canyon 16
Laboratory Job ID: 890-2616-1
SDG: Eddy County

Table of Contents

Cover Page	1
Table of Contents	2
Definitions/Glossary	3
Case Narrative	4
Client Sample Results	5
Surrogate Summary	6
QC Sample Results	7
QC Association Summary	11
Lab Chronicle	13
Certification Summary	14
Method Summary	15
Sample Summary	16
Chain of Custody	17
Receint Checklists	19

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Definitions/Glossary

Client: Ensolum Job ID: 890-2616-1 Project/Site: Corral Canyon 16 SDG: Eddy County

Qualifiers

GC VOA

Qualifier **Qualifier Description**

Indicates the analyte was analyzed for but not detected.

Reporting Limit or Requested Limit (Radiochemistry)

Toxicity Equivalent Factor (Dioxin)

Too Numerous To Count

Toxicity Equivalent Quotient (Dioxin)

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

GC Semi VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
S1-	Surrogate recovery exceeds control limits, low biased.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.
HPLC/IC	
Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

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

Eurofins Carlsbad

RL

RPD

TEF

TEQ

TNTC

Case Narrative

Client: Ensolum

Project/Site: Corral Canyon 16

Job ID: 890-2616-1 SDG: Eddy County

Job ID: 890-2616-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative 890-2616-1

Receipt

The sample was received on 7/21/2022 3:33 PM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 4.0°C

GC VOA

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 and precision for preparation batch 880-30432 and analytical batch 880-30368 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

Method 8015MOD_NM: The diesel range was biased high in the LCS, however since only an LCS or LCSD are required the data was qualified and reported. (LCS 880-30432/2-A)

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.

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Matrix: Solid

Lab Sample ID: 890-2616-1

Client Sample Results

Client: Ensolum Job ID: 890-2616-1
Project/Site: Corral Canyon 16 SDG: Eddy County

Client Sample ID: SS2

Date Collected: 07/19/22 11:15 Date Received: 07/21/22 15:33

Sample Depth: 6'

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		07/23/22 18:30	07/24/22 15:52	1
Toluene	<0.00200	U	0.00200	mg/Kg		07/23/22 18:30	07/24/22 15:52	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		07/23/22 18:30	07/24/22 15:52	1
m-Xylene & p-Xylene	<0.00401	U	0.00401	mg/Kg		07/23/22 18:30	07/24/22 15:52	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		07/23/22 18:30	07/24/22 15:52	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		07/23/22 18:30	07/24/22 15:52	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 130			07/23/22 18:30	07/24/22 15:52	1
1,4-Difluorobenzene (Surr)	93		70 - 130			07/23/22 18:30	07/24/22 15:52	1
- Method: Total BTEX - Total BTE)	(Calculation							
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401	mg/Kg			07/25/22 10:43	1
Method: 8015 NM - Diesel Range	•	O) (GC) Qualifier	RL	Unit	D	Dronovod	Analyzad	Dil Fac
Analyte						Prepared	Analyzed	
Total TPH	<50.0	U	50.0	mg/Kg			07/25/22 09:39	1
Method: 8015B NM - Diesel Rang	ge Organics (D	RO) (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		07/22/22 15:43	07/23/22 00:48	1
Diesel Range Organics (Over C10-C28)	<50.0	U *+	50.0	mg/Kg		07/22/22 15:43	07/23/22 00:48	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		07/22/22 15:43	07/23/22 00:48	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane		S1-	70 - 130			07/22/22 15:43	07/23/22 00:48	1
o-Terphenyl	0.1	S1-	70 - 130			07/22/22 15:43	07/23/22 00:48	1
-								
Method: 300.0 - Anions, Ion Chro	omatography -	Soluble						
Method: 300.0 - Anions, Ion Chro Analyte	•	Soluble Qualifier		Unit	D	Prepared	Analyzed	Dil Fac

Surrogate Summary

Client: Ensolum Job ID: 890-2616-1
Project/Site: Corral Canyon 16 SDG: Eddy County

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid Prep Type: Total/NA

				Percent Surrogate Rec
		BFB1	DFBZ1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
880-17264-A-22-C MS	Matrix Spike	100	88	
880-17264-A-22-D MSD	Matrix Spike Duplicate	101	96	
890-2616-1	SS2	91	93	
LCS 880-30478/1-A	Lab Control Sample	106	98	
LCSD 880-30478/2-A	Lab Control Sample Dup	105	97	
MB 880-30478/5-A	Method Blank	98	86	
Surrogate Legend				
BFB = 4-Bromofluoroben	zene (Surr)			
DFBZ = 1,4-Difluorobenz	ene (Surr)			

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

Matrix: Solid Prep Type: Total/NA

				Percent Surrogate Recovery (Acceptance Limits)
		1CO1	OTPH1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
890-2614-A-1-D MS	Matrix Spike	21 S1-	17 S1-	
890-2614-A-1-E MSD	Matrix Spike Duplicate	11 S1-	6 S1-	
890-2616-1	SS2	1 S1-	0.1 S1-	
LCS 880-30432/2-A	Lab Control Sample	151 S1+	179 S1+	
LCSD 880-30432/3-A	Lab Control Sample Dup	123	155 S1+	
MB 880-30432/1-A	Method Blank	137 S1+	182 S1+	
Surrogate Legend				

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

Released to Imaging: 8/29/2022 11:52:44 AM

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QC Sample Results

Client: Ensolum Job ID: 890-2616-1 Project/Site: Corral Canyon 16 SDG: Eddy County

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-30478/5-A

Lab Sample ID: LCS 880-30478/1-A

Matrix: Solid

Analysis Batch: 30484

Matrix: Solid Analysis Batch: 30484 Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 30478

	МВ	MB						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		07/23/22 18:30	07/24/22 14:29	1
Toluene	<0.00200	U	0.00200	mg/Kg		07/23/22 18:30	07/24/22 14:29	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		07/23/22 18:30	07/24/22 14:29	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		07/23/22 18:30	07/24/22 14:29	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		07/23/22 18:30	07/24/22 14:29	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		07/23/22 18:30	07/24/22 14:29	1

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130	07/23/22 18:30	07/24/22 14:29	1
1,4-Difluorobenzene (Surr)	86		70 - 130	07/23/22 18:30	07/24/22 14:29	1

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 30478

LCS LCS Spike Analyte Added Result Qualifier Unit %Rec Limits Benzene 0.100 0.1098 mg/Kg 110 70 - 130 Toluene 0.100 0.1086 mg/Kg 109 70 - 130 0.100 Ethylbenzene 0.1126 mg/Kg 113 70 - 130 0.200 0.2291 70 - 130 m-Xylene & p-Xylene mg/Kg 115 0.100 125 70 - 130 o-Xylene 0.1252 mg/Kg

LCS LCS

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	106	70 - 130
1,4-Difluorobenzene (Surr)	98	70 - 130

Client Sample ID: Lab Control Sample Dup

Matrix: Solid

Analysis Batch: 30484

Lab Sample ID: LCSD 880-30478/2-A

Prep Type: Total/NA Prep Batch: 30478

	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.100	0.1024		mg/Kg		102	70 - 130	7	35
Toluene	0.100	0.1005		mg/Kg		101	70 - 130	8	35
Ethylbenzene	0.100	0.1036		mg/Kg		104	70 - 130	8	35
m-Xylene & p-Xylene	0.200	0.2101		mg/Kg		105	70 - 130	9	35
o-Xylene	0.100	0.1148		mg/Kg		115	70 - 130	9	35

LCSD LCSD

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	105		70 - 130
1,4-Difluorobenzene (Surr)	97		70 - 130

Lab Sample ID: 880-17264-A-22-C MS

Matrix: Solid

Analysis Batch: 30484

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

Prep Batch: 30478

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.00200	U	0.100	0.07613		mg/Kg		76	70 - 130	
Toluene	<0.00200	U	0.100	0.08980		mg/Kg		89	70 - 130	

QC Sample Results

Client: Ensolum Job ID: 890-2616-1 Project/Site: Corral Canyon 16 SDG: Eddy County

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

Lab

Lab Sample ID: 880-17264-A-22-D MSD

Matrix: Solid

Analysis Batch: 30484

b Sample ID: 880-17264-A-22-C MS	Client Sample ID: Matrix Spike
atrice Colid	Prop Type, Total/NA

Prep Type: Total/NA Prep Batch: 30478

Sample Sample Spike MS MS Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits Ethylbenzene <0.00200 U 0.100 0.09841 98 70 - 130 mg/Kg m-Xylene & p-Xylene <0.00399 U 0.201 0.1966 mg/Kg 98 70 - 130 <0.00200 U 0.100 0.1051 mg/Kg o-Xylene 70 - 130 105

MS MS

Surrogate	%Recovery 0	Qualifier	Limits
4-Bromofluorobenzene (Surr)	100		70 - 130
1,4-Difluorobenzene (Surr)	88		70 - 130

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 30478

Matrix: Solid Analysis Batch: 30484

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	<0.00200	U	0.0998	0.09261		mg/Kg		93	70 - 130	20	35
Toluene	<0.00200	U	0.0998	0.09185		mg/Kg		92	70 - 130	2	35
Ethylbenzene	<0.00200	U	0.0998	0.09454		mg/Kg		95	70 - 130	4	35
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1915		mg/Kg		96	70 - 130	3	35
o-Xylene	<0.00200	U	0.0998	0.1034		mg/Kg		104	70 - 130	2	35

MSD MSD

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	101		70 - 130
1,4-Difluorobenzene (Surr)	96		70 - 130

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

Lab Sample ID: MB 880-30432/1-A

Matrix: Solid

Analysis Batch: 30368

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

Prep Batch: 30432

	MB	MB						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		07/22/22 15:43	07/22/22 21:35	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		07/22/22 15:43	07/22/22 21:35	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		07/22/22 15:43	07/22/22 21:35	1

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	137	S1+	70 - 130	07/22/22 15:43	07/22/22 21:35	1
o-Terphenyl	182	S1+	70 - 130	07/22/22 15:43	07/22/22 21:35	1

Lab Sample ID: LCS 880-30432/2-A

Matrix: Solid

Analysis Batch: 30368

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

Prep Batch: 30432

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics	1000	952.7		mg/Kg		95	70 - 130	
(GRO)-C6-C10								
Diesel Range Organics (Over	1000	1360	*+	mg/Kg		136	70 - 130	
C10-C28)								

Job ID: 890-2616-1

Client: Ensolum Project/Site: Corral Canyon 16 SDG: Eddy County

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

LCS LCS

Lab Sample ID: LCS 880-30432/2-A Prep Type: Total/NA

Matrix: Solid

Analysis Batch: 30368

Client Sample ID: Lab Control Sample

Prep Batch: 30432

Surrogate %Recovery Qualifier Limits 1-Chlorooctane 151 S1+ 70 - 130 o-Terphenyl 179 S1+ 70 - 130

Lab Sample ID: LCSD 880-30432/3-A Client Sample ID: Lab Control Sample Dup

Matrix: Solid

Analysis Batch: 30368

Prep Type: Total/NA

Prep Batch: 30432

Spike LCSD LCSD %Rec RPD Analyte Added Result Qualifier Unit D %Rec Limits RPD Limit 1000 812.0 81 70 - 13016 20 Gasoline Range Organics mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over 1000 1147 mg/Kg 115 70 - 13017 20

C10-C28)

LCSD LCSD Surrogate %Recovery Qualifier Limits 70 - 130 1-Chlorooctane 123

155 S1+ 70 - 130 o-Terphenyl

Lab Sample ID: 890-2614-A-1-D MS

Matrix: Solid

Analysis Batch: 30368

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 30432

MS MS Sample Sample Spike Analyte Result Qualifier Added Result Qualifier Unit D %Rec Limits Gasoline Range Organics <50.0 U F1 F2 1000 286.3 F1 mg/Kg 26 70 - 130 (GRO)-C6-C10 Diesel Range Organics (Over <50.0 U*+F1 1000 173.7 F1 mg/Kg 17 70 - 130 C10-C28) F2

MS MS

%Recovery Qualifier Limits Surrogate S1-70 - 130 1-Chlorooctane 21 o-Terphenyl 17 S1-70 - 130

Lab Sample ID: 890-2614-A-1-E MSD

Matrix: Solid

Analysis Batch: 30368

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

Prep Batch: 30432

Sample Sample MSD MSD RPD Spike %Rec Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits **RPD** Limit U F1 F2 999 212.0 F1 F2 Gasoline Range Organics <50.0 19 70 - 130 30 20 mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over <50.0 U*+F1 999 74.76 F1 F2 mg/Kg 70 - 130 80 20 C10-C28) F2

MSD MSD

%Recovery Qualifier Surrogate Limits 1-Chlorooctane 11 S1-70 - 130 6 S1-70 - 130 o-Terphenyl

Client Sample ID: Method Blank

Client Sample ID: Lab Control Sample

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Client Sample ID: Matrix Spike

Client Sample ID: Matrix Spike Duplicate

QC Sample Results

Client: Ensolum Job ID: 890-2616-1
Project/Site: Corral Canyon 16 SDG: Eddy County

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-30244/1-A

Matrix: Solid

Analysis Batch: 30412

MB MB

 Analyte
 Result Chloride
 Qualifier
 RL Unit
 Unit mg/Kg
 D Prepared
 Analyzed O7/23/22 02:12
 Dil Fac O7/23/22 02:12

Lab Sample ID: LCS 880-30244/2-A

Matrix: Solid

Analysis Batch: 30412

Spike LCS LCS %Rec Added Analyte Result Qualifier Unit D %Rec Limits Chloride 250 261.0 mg/Kg 104 90 - 110

Lab Sample ID: LCSD 880-30244/3-A

Matrix: Solid

Analysis Batch: 30412

LCSD LCSD %Rec RPD Spike Analyte Added Result Qualifier Unit %Rec Limits RPD Limit Chloride 250 262.5 105 mg/Kg 90 - 110

Lab Sample ID: 890-2615-A-1-B MS

Matrix: Solid

Analysis Batch: 30412

MS MS Sample Sample Spike %Rec Analyte Result Qualifier Added %Rec Result Qualifier Unit Limits Chloride 95.9 252 330.4 90 - 110 mg/Kg

Lab Sample ID: 890-2615-A-1-C MSD

Matrix: Solid

Analysis Batch: 30412

Sample Sample Spike MSD MSD %Rec RPD Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits RPD Limit Chloride 249 95.9 327.2 mg/Kg 93 90 - 110 20

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QC Association Summary

Client: Ensolum

Project/Site: Corral Canyon 16

Job ID: 890-2616-1 SDG: Eddy County

County

GC VOA

Prep Batch: 30478

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2616-1	SS2	Total/NA	Solid	5035	
MB 880-30478/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-30478/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-30478/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-17264-A-22-C MS	Matrix Spike	Total/NA	Solid	5035	
880-17264-A-22-D MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 30484

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2616-1	SS2	Total/NA	Solid	8021B	30478
MB 880-30478/5-A	Method Blank	Total/NA	Solid	8021B	30478
LCS 880-30478/1-A	Lab Control Sample	Total/NA	Solid	8021B	30478
LCSD 880-30478/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	30478
880-17264-A-22-C MS	Matrix Spike	Total/NA	Solid	8021B	30478
880-17264-A-22-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	30478

Analysis Batch: 30549

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2616-1	SS2	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 30368

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2616-1	SS2	Total/NA	Solid	8015B NM	30432
MB 880-30432/1-A	Method Blank	Total/NA	Solid	8015B NM	30432
LCS 880-30432/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	30432
LCSD 880-30432/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	30432
890-2614-A-1-D MS	Matrix Spike	Total/NA	Solid	8015B NM	30432
890-2614-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	30432

Prep Batch: 30432

Lab Sample ID 890-2616-1	Client Sample ID SS2	Prep Type Total/NA	Matrix Solid	Method 8015NM Prep	Prep Batch
MB 880-30432/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-30432/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-30432/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-2614-A-1-D MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-2614-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 30524

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2616-1	SS2	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 30244

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2616-1	SS2	Soluble	Solid	DI Leach	
MB 880-30244/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-30244/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-30244/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

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QC Association Summary

Client: Ensolum Job ID: 890-2616-1
Project/Site: Corral Canyon 16 SDG: Eddy County

HPLC/IC (Continued)

Leach Batch: 30244 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2615-A-1-B MS	Matrix Spike	Soluble	Solid	DI Leach	
890-2615-A-1-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 30412

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2616-1	SS2	Soluble	Solid	300.0	30244
MB 880-30244/1-A	Method Blank	Soluble	Solid	300.0	30244
LCS 880-30244/2-A	Lab Control Sample	Soluble	Solid	300.0	30244
LCSD 880-30244/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	30244
890-2615-A-1-B MS	Matrix Spike	Soluble	Solid	300.0	30244
890-2615-A-1-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	30244

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Lab Chronicle

Client: Ensolum

Project/Site: Corral Canyon 16

SDG: Eddy County

Client Sample ID: SS2

Lab Sample ID: 890-2616-1

Matrix: Solid

XEN MID

Date Collected: 07/19/22 11:15 Date Received: 07/21/22 15:33

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	30478	07/23/22 18:30	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	30484	07/24/22 15:52	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			30549	07/25/22 10:43	SM	XEN MID
Total/NA	Analysis	8015 NM		1			30524	07/25/22 09:39	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	30432	07/22/22 15:43	DM	XEN MID
Total/NA	Analysis	8015B NM		1			30368	07/23/22 00:48	AJ	XEN MID
Soluble	Leach	DLLeach			5.04 a	50 ml	30244	07/22/22 13:36	SMC	XEN MID

30412

07/23/22 05:16

СН

Laboratory References:

Analysis

Soluble

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

300.0

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Accreditation/Certification Summary

Client: Ensolum Job ID: 890-2616-1
Project/Site: Corral Canyon 16 SDG: Eddy County

Laboratory: Eurofins Midland

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

Authority		ogram	Identification Number	Expiration Date
Texas	NE	ELAP	T104704400-22-24	06-30-23
The following analytes	are included in this report, bu	it the laboratory is not certific	ed by the governing authority. This list ma	av include analytes for
the agency does not of	fer certification.	•	, , ,	·, ·····
the agency does not of Analysis Method	fer certification . Prep Method	Matrix	Analyte	,
0 ,		Matrix Solid	, , ,	

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Method Summary

Client: Ensolum

Project/Site: Corral Canyon 16

Job ID: 890-2616-1

SDG: Eddy County

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

Protocol References:

ASTM = ASTM International

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Ensolum

Project/Site: Corral Canyon 16

Job ID: 890-2616-1

SDG: Eddy County

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-2616-1	SS2	Solid	07/19/22 11:15	07/21/22 15:33	6'

Date/Time

Received by: (Signature)

Relinquished by: (Signature)

Date/Time

Received by: (Signature)

Relinquished by: (Signature)

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Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300 Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334 EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296 Hobbs, NM (575) 392-7550, Carisbad, NM (575) 988-3199

Environment Testing

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Xenco

Work Order No:

Active Company Name Company Na	ie ZIP: Cols Dad STOCKS DAD STOCK	Address: City, State ZIP:	XTO CAGAS	UST/PST PRP Brownfields RRC
19 19 19 19 19 19 19 19	172 Nanium (172 Na	Address: City, State ZIP:	11.1	
	lame: Corts bad lawp	City, State ZIP:	3104 Ebilone ST	State of Project:
	Name: Coral Cargo	gamm.	1564 NM 882	Reporting: Level III Level III PST/UST TRRP Level IV
Presentative Control	Corallar	Turn Around	Programbil	EDD ADaPT
Thumber Office Control of Course Cour	67010		ANALYSIS REQUES	
The control of the	_	Rush		
HCLHC HWO 31 HCLHC HWO 32 HWO 32 HCLHC HWO 32	(1) Car	~		
The Blank: Concept Sample Concept Sample Concept Sample Connection Sample Sample Sample Connection Sample S	185	TAT starts the day received by		
A A B B B B B B B C C C	7.	T		
The property of the property o	Temp Blank:	Wet Ice: (Fest No		H ₃ PO 4: HP
Texas 11 Al 5b As Ba Be Cd Ca Cr Co Cu Pb Mn Mo Ni K Se Ag 510, Na 5r 17470 / 7471 This major is a company to Eurofins Across the salges standard terms and conditions.	Yes No	TONDET		
Sample Comments Comp Cont Cont Cont Cont Cont Cont Cont Cont	Yes No N/A	-0.3	Costo Chain of Custo	
Sample Comments A Comp Cont Cont Comp Cont Composition Composition Composition Composition Control Composition Control Composition Compos	Yes No N/A	ture Reading:	890-2018 X	
Grab/ # of Cont Cont Cont Cont Cont Cont Cont Cont	2	J. Temperature: けい	1/1/2	NaOH+Ascorbic Acid: SAPC
1	Matrix	Time Depth Grab/ Sampled Comp	11/18/10	Sample Comments
### ### ### ##########################	61-1	115 64 6		TacID
Texas 11 Al Sb As Ba Be Cd Ca Cr Co Cu Pb Mg Mn Mo Ni K Se Ag SiO ₂ Na Sr Tl Sn U V Zn 6010 : 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U Hg: 1631/245.1/7470 / 7471 m dlent company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions				PHILITAGEN
Texas 11 Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO ₂ Na Sr Tl Sn U V Zn 6010 : 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U Hg: 1631/245.1/7470 / 7471 m dlent company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions				<i>\$</i> X
Texas 11 Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO ₂ Na Sr Tl Sn U V Zn 6010 : 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U Hg: 1631/245.1/7470 /7471 m dlent company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions				
Texas 11 Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO ₂ Na Sr Tl Sn U V Zn 6010 : 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U Hg: 1631/245.1/7470 / 7471 m dlent company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions				77
Texas 11 Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO ₂ Na Sr Tl Sn 6010 : 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U Hg: 1631 / 245.1 / 7470 m dlent company to Eurofins Xenco. Its affiliates and subcontractors. It assigns standard terms and conditions				100 512 100
Texas 11 Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO ₂ Na Sr Tl Sn I 6010 : 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U Hg: 1631 / 245.1 / 7470 m dlent company to Eurofins Acroc. Its assigns standard terms and conditions				>
Texas 11 AI Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO ₂ Na Sr TI Sn 6010 : 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U Hg: 1631 / 245.1 / 7470 m client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions				
Texas 11 AI Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO ₂ Na Sr TI Sn 6010 : 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag TI U Hg: 1631 / 245.1 / 7470 m cllent company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions				
6010 : 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U Hg: 1631 / 245.1 / 7470 m client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions	200.8 / 6020:	Texas 11 Al S	Cd Ca Cr Co	Ni K Se Ag SiO ₂ Na Sr Tl Sn
Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions	ircle Method(s) and Metal(s) to be analyzed	6010 : 8RCRA	Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se	Hg: 1631 / 245.1 / 7470
	tice: Signature of this document and relinquishment of samples constitutes	s a valid purchase order from client company to Eur	ofins Xenco, its affiliates and subcontractors. It assigns standard terms a	nd conditions

Revised Date: 08/25/2020 Rev 2020.

Date/Time

Received by: (Signature)

Relinquished by: (Signature)

Date/Time

by: (Signature)

Received

Relinquished by: (Signature)

of Eurofins Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Chain of Custody

Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334 Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199 Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300 EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296

Environment Testing

💸 eurofins

Xenco

Work Order No:

Project Manager:	ale Terriors	Bill to: (if different)	(name ones	Work Order Comments
Company Name:	nsolan	Company Name:	770 Calcy	Program: UST/PST PRP Brownfields RRC Superfund
Address:	22 Names	Mariles Hay Address:	3/04 & Greenest	State of Project:
City, State ZIP:	als bed Ni	A 88226 City, State ZIP:	Lack bad NM 88220	Reporting: Level Level PST/UST TRRP Level V
Phone:	057-527-11	Email:		Deliverables: EDD ☐ ADaPT ☐ Other:
Project Name:	oral Canon !	7 Turn Around	ANALYSIS REQUEST	ST Preservative Codes
oer:	35/55	Routine Rush Co	Pres. Code	None: NO DI Water: H ₂ O
Project Location:	dd Canor	Due Date: 3 Dm		Cool: Cool MeOH: Me
Sampler's Name:		TAT starts the day received by		HCL: HC HNO 3: HN
PO #:		the lab, if received by 4:30pm		H ₂ SO ₄ : H ₂ NaOH: Na
SAMPLE RECEIPT	Temp Blank:	Wet ice: Yes No	eterz	H ₃ PO ₄ : HP
Samples Received Intact:	Yes No Therr	Thermometer ID:		NaHSO 4: NABIS
Cooler Custody Seals:	Yes No MA Corre	Correction Factor:	PA	Na ₂ S ₂ O ₃ ; NaSO ₃
Sample Custody Seals:	Yes No N/A Tem	Temperature Reading: 4.2		Zn Acetate+NaOH: Zn
Total Containers:	Corr	Corrected Temperature:	B90-2617 Chain of Custody	of Custody NaOH+Ascorbic Acid: SAPC
Sample Identification	Matrix	Date Time Grab/# Sampled Sampled Comp Co	d La good Court Court	Sample Comments
55.3	5 7	19 1130 611 141		TACIO
				MA 121215941404
				C
			/	100, 773,00
			3/	
		1 11		Ma MA NI K Co A CIO NI CY TI CA II V Za
Total 200.7 / 6010 Circle Method(s) and	Total 200.7 / 6010 200.8 / 6020: Circle Method(s) and Metal(s) to be analyzed	SKCKA ISPPM TCLP / SPLP	Sb As Ba Be C	Cd Cd Cd Cr Co Cu Fe Fb Mil Mil Mil N Se Ag 3002 Nd 31 1 31 0 V 211 Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U Hg:1631/245.1/7470 /7471

Page 18 of 20

Login Sample Receipt Checklist

Client: Ensolum Job Number: 890-2616-1 SDG Number: Eddy County

Login Number: 2616 List Source: Eurofins Carlsbad

List Number: 1

Creator: Stutzman, Amanda

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

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Login Sample Receipt Checklist

Client: Ensolum Job Number: 890-2616-1

SDG Number: Eddy County

Login Number: 2616 List Source: Eurofins Midland List Number: 2 List Creation: 07/22/22 12:56 PM

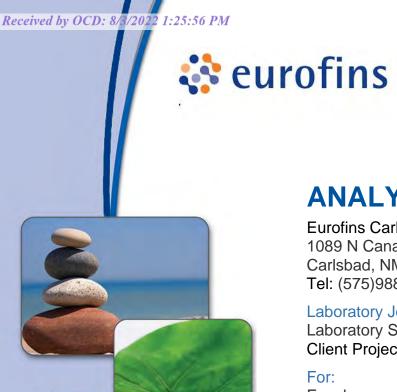
Creator: Rodriguez, Leticia

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	

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<6mm (1/4").





.....LINKS

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Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 890-2617-1

Laboratory Sample Delivery Group: 03E1558071

Client Project/Site: Corral Canyon 16

Ensolum 705 W. Wadley Suite 210 Midland, Texas 79701

Attn: Kalei Jennings

RAMER

Authorized for release by: 7/26/2022 3:12:38 PM

Jessica Kramer, Project Manager (432)704-5440

Jessica.Kramer@et.eurofinsus.com

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

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

Client: Ensolum
Project/Site: Corral Canyon 16

Laboratory Job ID: 890-2617-1
SDG: 03E1558071

Table of Contents

Cover Page	1
Table of Contents	2
Definitions/Glossary	3
Case Narrative	4
Client Sample Results	5
Surrogate Summary	6
QC Sample Results	7
QC Association Summary	11
Lab Chronicle	13
Certification Summary	14
Method Summary	15
Sample Summary	16
Chain of Custody	17
Racaint Chacklists	18

2

3

4

6

8

10

11

13

Definitions/Glossary

Client: Ensolum Job ID: 890-2617-1 Project/Site: Corral Canyon 16

SDG: 03E1558071

Qualifiers

GC VOA

U

RER

RPD

TEF

TEQ

TNTC

RL

Qualifier **Qualifier Description**

Indicates the analyte was analyzed for but not detected.

Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
S1-	Surrogate recovery exceeds control limits, low biased.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.
HPLC/IC	
Qualifier	Qualifier Description

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

Eurofins Carlsbad

Relative Error Ratio (Radiochemistry)

Toxicity Equivalent Factor (Dioxin)

Too Numerous To Count

Toxicity Equivalent Quotient (Dioxin)

Reporting Limit or Requested Limit (Radiochemistry)

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

Case Narrative

Job ID: 890-2617-1 Client: Ensolum Project/Site: Corral Canyon 16

SDG: 03E1558071

Job ID: 890-2617-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative 890-2617-1

Receipt

The sample was received on 7/21/2022 3:33 PM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 4.0°C

GC VOA

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 and precision for preparation batch 880-30432 and analytical batch 880-30368 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

Method 8015MOD_NM: The diesel range was biased high in the LCS, however since only an LCS or LCSD are required the data was qualified and reported. (LCS 880-30432/2-A)

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

HPLC/IC

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

Matrix: Solid

Lab Sample ID: 890-2617-1

Client Sample Results

Client: Ensolum Job ID: 890-2617-1
Project/Site: Corral Canyon 16 SDG: 03E1558071

Client Sample ID: SS3

Date Collected: 07/19/22 11:30 Date Received: 07/21/22 15:33

Sample Depth: 6'

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		07/26/22 09:25	07/26/22 14:05	1
Toluene	<0.00200	U	0.00200	mg/Kg		07/26/22 09:25	07/26/22 14:05	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		07/26/22 09:25	07/26/22 14:05	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		07/26/22 09:25	07/26/22 14:05	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		07/26/22 09:25	07/26/22 14:05	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		07/26/22 09:25	07/26/22 14:05	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130			07/26/22 09:25	07/26/22 14:05	1
1,4-Difluorobenzene (Surr)	86		70 - 130			07/26/22 09:25	07/26/22 14:05	1
Method: Total BTEX - Total BTEX	X Calculation							
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			07/26/22 15:53	1
Analyte		Qualifier	RL	Unit	<u>D</u>	Prepared	Analyzed	Dil Fac
Total TPH			50.0	mg/Kg	D	Prepared	07/25/22 09:39	Dii Fac
- -								
Method: 8015B NM - Diesel Rang	ge Organics (D	RO) (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		07/22/22 15:43	07/23/22 01:10	1
Diesel Range Organics (Over	<50.0	U *+	50.0	mg/Kg		07/22/22 15:43	07/23/22 01:10	1
C10-C28)	50.0		50.0	" -		07/00/00 45 40	07/00/00 04 40	
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		07/22/22 15:43	07/23/22 01:10	1
		Qualifier	Limits			Prepared	Analyzed	
Surrogate	%Recovery							Dil Fac
Surrogate 1-Chlorooctane		S1-	70 - 130			07/22/22 15:43	07/23/22 01:10	Dil Fac
1-Chlorooctane			70 - 130 70 - 130			07/22/22 15:43 07/22/22 15:43	07/23/22 01:10 07/23/22 01:10	
	1 0.2	S1- S1-						1
1-Chlorooctane o-Terphenyl	1 0.2 omatography -	S1- S1-		Unit	D			1

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Surrogate Summary

Client: Ensolum Job ID: 890-2617-1
Project/Site: Corral Canyon 16 SDG: 03E1558071

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid Prep Type: Total/NA

				Percent Surr	rogate R
		BFB1	DFBZ1		
Lab Sample ID	Client Sample ID	(70-130)	(70-130)		
880-17132-A-4-F MS	Matrix Spike	103	95		
880-17132-A-4-G MSD	Matrix Spike Duplicate	110	96		
890-2617-1	SS3	103	86		
LCS 880-30664/1-A	Lab Control Sample	105	95		
LCSD 880-30664/2-A	Lab Control Sample Dup	108	98		
MB 880-30664/5-A	Method Blank	100	87		
Surrogate Legend					
BFB = 4-Bromofluorobenz	zene (Surr)				
DFBZ = 1,4-Difluorobenze	ene (Surr)				

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

Matrix: Solid Prep Type: Total/NA

				Percent Surrogate Recovery (Acceptance Limits)
		1CO1	OTPH1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
890-2614-A-1-D MS	Matrix Spike	21 S1-	17 S1-	
890-2614-A-1-E MSD	Matrix Spike Duplicate	11 S1-	6 S1-	
890-2617-1	SS3	1 S1-	0.2 S1-	
LCS 880-30432/2-A	Lab Control Sample	151 S1+	179 S1+	
LCSD 880-30432/3-A	Lab Control Sample Dup	123	155 S1+	
MB 880-30432/1-A	Method Blank	137 S1+	182 S1+	
Surrogate Legend				

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

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Released to Imaging: 8/29/2022 11:52:44 AM

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QC Sample Results

Client: Ensolum Job ID: 890-2617-1 Project/Site: Corral Canyon 16 SDG: 03E1558071

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-30664/5-A

Matrix: Solid Analysis Batch: 30657 Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 30664

	MB	MB
_		_

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		07/26/22 09:25	07/26/22 12:01	1
Toluene	< 0.00200	U	0.00200	mg/Kg		07/26/22 09:25	07/26/22 12:01	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		07/26/22 09:25	07/26/22 12:01	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		07/26/22 09:25	07/26/22 12:01	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		07/26/22 09:25	07/26/22 12:01	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		07/26/22 09:25	07/26/22 12:01	1

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130	07/26/22 09:2	07/26/22 12:01	1
1,4-Difluorobenzene (Surr)	87		70 - 130	07/26/22 09:2	07/26/22 12:01	1

Lab Sample ID: LCS 880-30664/1-A

Matrix: Solid

Analysis Batch: 30657

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 30664

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.09358	-	mg/Kg		94	70 - 130	
Toluene	0.100	0.09382		mg/Kg		94	70 - 130	
Ethylbenzene	0.100	0.09803		mg/Kg		98	70 - 130	
m-Xylene & p-Xylene	0.200	0.1983		mg/Kg		99	70 - 130	
o-Xylene	0.100	0.1073		mg/Kg		107	70 - 130	

LCS LCS

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

Lab Sample ID: LCSD 880-30664/2-A

Matrix: Solid

Analyte

Benzene

Toluene

o-Xylene

Ethylbenzene

m-Xylene & p-Xylene

Analysis Batch: 30657

Client Sample ID: Lab Control Sample Dup

112

Prep Type: Total/NA Prep Batch: 30664

LCSD LCSD RPD Spike %Rec Added Result Qualifier Unit %Rec Limits Limit 0.09765 0.100 mg/Kg 98 70 - 130 35 0.100 0.09676 mg/Kg 97 70 - 130 3 35 0.100 0.1016 mg/Kg 102 70 - 130 35 0.200 0.2052 mg/Kg 103 70 - 130 35

mg/Kg

LCSD LCSD

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	108		70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

Lab Sample ID: 880-17132-A-4-F MS

Matrix: Solid

Analysis Batch: 30657

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

70 - 130

35

Prep Batch: 30664

_	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.00201	U	0.100	0.08215		mg/Kg	_	82	70 - 130	
Toluene	<0.00201	U	0.100	0.07761		mg/Kg		77	70 - 130	

0.100

0.1117

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Page 7 of 19

QC Sample Results

Client: Ensolum Job ID: 890-2617-1 SDG: 03E1558071 Project/Site: Corral Canyon 16

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

Lab Sample ID: 880-17132-A-4-F MS

Matrix: Solid

Analysis Batch: 30657

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 30664

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Ethylbenzene	<0.00201	U	0.100	0.07428		mg/Kg		74	70 - 130	
m-Xylene & p-Xylene	<0.00402	U	0.200	0.1476		mg/Kg		74	70 - 130	
o-Xylene	<0.00201	U	0.100	0.08083		mg/Kg		81	70 - 130	

MS MS

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	103		70 - 130
1,4-Difluorobenzene (Surr)	95		70 - 130

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 30664

Matrix: Solid Analysis Batch: 30657

Lab Sample ID: 880-17132-A-4-G MSD

,											
	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	<0.00201	U	0.0998	0.08953		mg/Kg		90	70 - 130	9	35
Toluene	<0.00201	U	0.0998	0.08606		mg/Kg		85	70 - 130	10	35
Ethylbenzene	<0.00201	U	0.0998	0.08275		mg/Kg		83	70 - 130	11	35
m-Xylene & p-Xylene	<0.00402	U	0.200	0.1653		mg/Kg		83	70 - 130	11	35
o-Xylene	< 0.00201	U	0.0998	0.09102		mg/Kg		91	70 - 130	12	35

MSD MSD

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	110		70 - 130
1,4-Difluorobenzene (Surr)	96		70 - 130

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

Lab Sample ID: MB 880-30432/1-A

Matrix: Solid

Analysis Batch: 30368

Client Sample ID: Method Blank	•
Pren Type: Total/NA	Δ.

Prep Batch: 30432

	IVID	IVID						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		07/22/22 15:43	07/22/22 21:35	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		07/22/22 15:43	07/22/22 21:35	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		07/22/22 15:43	07/22/22 21:35	1

MB MB

MR MR

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	137	S1+	70 - 130	07/22/22 15:43	07/22/22 21:35	1
o-Terphenyl	182	S1+	70 - 130	07/22/22 15:43	07/22/22 21:35	1

Lab Sample ID: LCS 880-30432/2-A

Matrix: Solid

Analysis Batch: 30368

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

Prep Batch: 30432

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics	1000	952.7		mg/Kg		95	70 - 130	
(GRO)-C6-C10								
Diesel Range Organics (Over	1000	1360	*+	mg/Kg		136	70 - 130	
C10-C28)								

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Prep Batch: 30432

Job ID: 890-2617-1

Project/Site: Corral Canyon 16 SDG: 03E1558071

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

Lab Sample ID: LCS 880-30432/2-A

Client Sample ID: Lab Control Sample

Matrix: Solid

Prep Type: Total/NA

Matrix: Solid Analysis Batch: 30368

Client: Ensolum

LCS LCS
Surrogate %Recovery Qualifier Limits

 1-Chlorooctane
 151
 S1+
 70 - 130

 o-Terphenyl
 179
 S1+
 70 - 130

Lab Sample ID: LCSD 880-30432/3-A Client Sample ID: Lab Control Sample Dup

Matrix: Solid Prep Type: Total/NA
Analysis Batch: 30368 Prep Batch: 30432

Spike LCSD LCSD %Rec RPD Analyte Added Result Qualifier Unit D %Rec Limits RPD Limit 1000 812.0 81 70 - 13016 20 Gasoline Range Organics mg/Kg

(GRO)-C6-C10

Diesel Range Organics (Over 1000 1147 mg/Kg 115 70 - 130 17 20 C10-C28)

310 320)

o-Terphenyl

 Surrogate
 %Recovery
 Qualifier
 Limits

 1-Chlorooctane
 123
 70 - 130

 o-Terphenyl
 155
 \$1+
 70 - 130

Lab Sample ID: 890-2614-A-1-D MS

Client Sample ID: Matrix Spike

Matrix: Solid Prep Type: Total/NA

Analysis Batch: 30368

Sample Sample Spike MS MS %Rec %Rec

Analyte Result Qualifier Added Result Qualifier Unit D %Rec Limits Gasoline Range Organics <50.0 U F1 F2 1000 286.3 F1 mg/Kg 26 70 - 130 (GRO)-C6-C10 Diesel Range Organics (Over <50.0 U*+F1 1000 173.7 F1 mg/Kg 17 70 - 130 C10-C28) F2

MS MS

17 S1-

Lab Sample ID: 890-2614-A-1-E MSD Client Sample ID: Matrix Spike Duplicate

70 - 130

Matrix: Solid Prep Type: Total/NA

Analysis Batch: 30368

Sample Sample Spike MSD MSD MSD %Rec RPD

Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits **RPD** Limit U F1 F2 999 212.0 F1 F2 Gasoline Range Organics <50.0 19 70 - 130 30 20 mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over <50.0 U*+F1 999 74.76 F1 F2 mg/Kg 70 - 130 80 20

C10-C28) F2

MSD MSD

Surrogate %Recovery Qualifier Limits

 Surrogate
 %Recovery
 Qualifier
 Limits

 1-Chlorooctane
 11
 S1 70 - 130

 o-Terphenyl
 6
 S1 70 - 130

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Client Sample ID: Method Blank

Client Sample ID: Lab Control Sample

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Client Sample ID: Matrix Spike

Client Sample ID: Matrix Spike Duplicate

QC Sample Results

Client: Ensolum Job ID: 890-2617-1 Project/Site: Corral Canyon 16 SDG: 03E1558071

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-30244/1-A

Matrix: Solid

Analysis Batch: 30412

MB MB

Analyte Result Qualifier RL Unit D Prepared Analyzed Dil Fac Chloride <5.00 U 5.00 mg/Kg 07/23/22 02:12

Lab Sample ID: LCS 880-30244/2-A

Matrix: Solid

Analysis Batch: 30412

Spike LCS LCS %Rec Added Analyte Result Qualifier Unit D %Rec Limits Chloride 250 261.0 mg/Kg 104 90 - 110

Lab Sample ID: LCSD 880-30244/3-A

Matrix: Solid

Analysis Batch: 30412

LCSD LCSD RPD Spike %Rec Analyte Added Result Qualifier Unit %Rec Limits RPD Limit Chloride 250 262.5 105 mg/Kg 90 - 110

Lab Sample ID: 890-2615-A-1-B MS

Matrix: Solid

Analysis Batch: 30412

MS MS Sample Sample Spike %Rec Analyte Result Qualifier Added %Rec Result Qualifier Unit Limits Chloride 95.9 252 330.4 90 - 110 mg/Kg

Lab Sample ID: 890-2615-A-1-C MSD

Matrix: Solid

Analysis Batch: 30412

Sample Sample Spike MSD MSD %Rec RPD Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits RPD Limit Chloride 249 95.9 327.2 mg/Kg 93 90 - 110 20

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QC Association Summary

Client: Ensolum Job ID: 890-2617-1
Project/Site: Corral Canyon 16 SDG: 03E1558071

GC VOA

Analysis Batch: 30657

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2617-1	SS3	Total/NA	Solid	8021B	30664
MB 880-30664/5-A	Method Blank	Total/NA	Solid	8021B	30664
LCS 880-30664/1-A	Lab Control Sample	Total/NA	Solid	8021B	30664
LCSD 880-30664/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	30664
880-17132-A-4-F MS	Matrix Spike	Total/NA	Solid	8021B	30664
880-17132-A-4-G MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	30664

Prep Batch: 30664

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2617-1	SS3	Total/NA	Solid	5035	
MB 880-30664/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-30664/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-30664/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-17132-A-4-F MS	Matrix Spike	Total/NA	Solid	5035	
880-17132-A-4-G MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 30718

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2617-1	SS3	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 30368

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2617-1	SS3	Total/NA	Solid	8015B NM	30432
MB 880-30432/1-A	Method Blank	Total/NA	Solid	8015B NM	30432
LCS 880-30432/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	30432
LCSD 880-30432/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	30432
890-2614-A-1-D MS	Matrix Spike	Total/NA	Solid	8015B NM	30432
890-2614-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	30432

Prep Batch: 30432

Lab Sample ID 890-2617-1	Client Sample ID	Prep Type Total/NA	Matrix Solid	Method 8015NM Prep	Prep Batch
MB 880-30432/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-30432/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-30432/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-2614-A-1-D MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-2614-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 30525

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2617-1	SS3	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 30244

Г					
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2617-1	SS3	Soluble	Solid	DI Leach	
MB 880-30244/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-30244/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-30244/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

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Page 11 of 19

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QC Association Summary

Client: Ensolum

Project/Site: Corral Canyon 16

Job ID: 890-2617-1

SDG: 03E1558071

HPLC/IC (Continued)

Leach Batch: 30244 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2615-A-1-B MS	Matrix Spike	Soluble	Solid	DI Leach	
890-2615-A-1-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 30412

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2617-1	SS3	Soluble	Solid	300.0	30244
MB 880-30244/1-A	Method Blank	Soluble	Solid	300.0	30244
LCS 880-30244/2-A	Lab Control Sample	Soluble	Solid	300.0	30244
LCSD 880-30244/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	30244
890-2615-A-1-B MS	Matrix Spike	Soluble	Solid	300.0	30244
890-2615-A-1-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	30244

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Date Received: 07/21/22 15:33

Lab Chronicle

Client: Ensolum Job ID: 890-2617-1 Project/Site: Corral Canyon 16 SDG: 03E1558071

Client Sample ID: SS3 Lab Sample ID: 890-2617-1 Date Collected: 07/19/22 11:30

Matrix: Solid

XEN MID

XEN MID

	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	30664	07/26/22 09:25	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	30657	07/26/22 14:05	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			30718	07/26/22 15:53	SM	XEN MID
Total/NA	Analysis	8015 NM		1			30525	07/25/22 09:39	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	30432	07/22/22 15:43	DM	XEN MID
Total/NA	Analysis	8015B NM		1			30368	07/23/22 01:10	AJ	XEN MID

5

5.01 g

50 mL

30244

30412

07/22/22 13:36

07/23/22 05:25 CH

SMC

Laboratory References:

Soluble

Soluble

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

DI Leach

300.0

Leach

Analysis

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Accreditation/Certification Summary

Client: Ensolum Job ID: 890-2617-1 Project/Site: Corral Canyon 16 SDG: 03E1558071

Laboratory: Eurofins Midland

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

Authority	Pr	ogram	Identification Number	Expiration Date
Texas	NE	ELAP	T104704400-22-24	06-30-23
The following englytes	and the street and the state of a contract that			
the agency does not of	• '	it the laboratory is not certifi	ed by the governing authority. This list ma	ay include analytes for
,	• '	t the laboratory is not certifi Matrix	ed by the governing authority. This list ma	ay include analytes for
the agency does not of	fer certification.	•	, , ,	ay include analytes for

XEN MID

SW846

ASTM

Method Summary

Client: Ensolum Job ID: 890-2617-1
Project/Site: Corral Canyon 16 SDG: 03E1558071

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

Protocol References:

8015NM Prep

DI Leach

ASTM = ASTM International

Microextraction

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Deionized Water Leaching Procedure

Laboratory References:

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

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Sample Summary

Client: Ensolum

Project/Site: Corral Canyon 16

Job ID: 890-2617-1 SDG: 03E1558071

 Lab Sample ID
 Client Sample ID
 Matrix
 Collected
 Received
 Depth

 890-2617-1
 SS3
 Solid
 07/19/22 11:30
 07/21/22 15:33
 6'

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6

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11

12

Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334 Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300

💸 eurofins

Chain of Custody

Xenco	EL Paso, TX (Hobbs, NM (EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296 Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199	Mana xenco com Page	
111.	Bill to: (if different)	Parces (200)	l m	
Project Manager:	Company Name:	15	Program: UST/PST PRP Brownfields RRC	Superfund
15	Han Address:	3104 & Greenes	oject:	
te ZIP:	226 City, State ZIP:	Lack Dad 1/11 88220	ST	TRRP Level IV
Phone: 817-685-2503	Email:		Deliverables: EDD	
Project Name: Corres Course 16	Turn Around	ANALYSIS REQUEST	EST Preservative Codes	ve Codes
Der: 03/1558671	Routine Rush Code		None: NO	DI Water: H ₂ O
6 dd langy	Due Date: 3 2~		Cool: Cool	MeOH: Me
(3)	TAT starts the day received by		HCL: HC	HNO 3: HN
	T		12504:172	MACH. NA
Temp Blank: No	et Ice: Yes		NaHSO :: NABIS	
Samples Received Intact: Yes No No No Correction Earter	COLAN		Na ₂ S ₂ O ₃ : Na ₅ S ₂ O ₃ : Na ₅ S ₂ O ₃ : Na ₅ O ₃ :	3
Yes No ZA/A	ding:		Zn Acetate+NaOH: Zn	H: Zn
	erature: 4-0	B80-2617 Chain of Custody		Acid: SAPC
Sample Identification Matrix Sampled Sam	Time Depth Grab/ # of	118	Sample Comments	mments
+-	1.1 G		TACTO	
			NAPPELL	2941404
			6443	
			1(1) 701	100/
		 		
Total 200.7 / 6010 200.8 / 6020: 8RCRA	BRCRA 13PPM Texas 11 AI SI	Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag	Mn Mo Ni K Se Ag SiO ₂ Na Sr Tl Sn U V Zn	
nd Metal(s) to be analyzed	CRA	Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U	Hg:	
Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Acence 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 for furnion. Annothing the control samples and shall not assume any responsibility for any losses or expenses incurred by the client is such losses are due to circumstances beyond the control for furnion. Annothing the samples are due to control the control of the samples and shall not a secure of \$55,00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.	urchase order from client company to Eur he any responsibility for any losses or expe tharge of \$5 for each sample submitted to	ofins Xenco, its affiliates and subcontractors. It assigns standard ten nass incurred by the clent if such losses are due to circumstances be Eurofins Xenco, but not analyzed. These terms will be enforced unles	ns and conditions yond the control s previously negotlated.	
Relinquished by (Signature)	Signature)	Date/Time Relinquished by: (Signature)	eceived by: (Signature)	Date/Time
		16 B		

7/26/2022

Login Sample Receipt Checklist

Client: Ensolum Job Number: 890-2617-1 SDG Number: 03E1558071

Login Number: 2617 List Source: Eurofins Carlsbad

List Number: 1

Creator: Stutzman, Amanda

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

,c 12 / 0j 102

Login Sample Receipt Checklist

 Client: Ensolum
 Job Number: 890-2617-1

 SDG Number: 03E1558071

List Source: Eurofins Midland List Creation: 07/22/22 12:56 PM

Creator: Rodriguez, Leticia

Login Number: 2617

List Number: 2

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

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<6mm (1/4").



APPENDIX E

NMOCD Notifications

From: <u>Green, Garrett J</u>

To: ocd.enviro@state.nm.us; Bratcher, Mike, EMNRD; <a href="mailto:Hamlet, <a href="mailto:Robert, EMNRD; <a href="mailto:Hamlet, <a href="mailto:Board, <a href="mailto:Hamlet, <a href="mailto:Hamlet</

Cc: Tacoma Morrissey: Ben Belill; Kalei Jennings: Aimee Cole
Subject: XTO - Sampling Notification (week of 7/4/22 - 7/8/22)

Date: Friday, July 1, 2022 10:59:20 AM

[**EXTERNAL EMAIL**]

All,

XTO plans to complete final sampling activities at the following sites the week of July 4, 2022.

Thursday, July 7th

- Corral Canyon 163H / nAPP2134755985, NAPP2200359627, NAPP2201252570
- PLU 442, 443 Battery / nAPP2214734717

Friday, July 8th

- Corral Canyon 163H / nAPP2134755985, NAPP2200359627, NAPP2201252570
- Corral Canyon 16 SWD / nAPP2213941404

Thank you,

Garrett Green

Environmental Coordinator
Delaware Business Unit
(575) 200-0729

Garrett.Green@ExxonMobil.com

XTO Energy, Inc.

Collins, Melanie

From: Green, Garrett J

Sent: Friday, May 6, 2022 8:40 AM

To: ocd.enviro@state.nm.us; Bratcher, Mike, EMNRD; Hamlet, Robert, EMNRD; Jarrett, Ryan;

Pennington, Shelby G; DelawareSpills /SM

Subject: XTO 24 hour notification - Corral Canyon 16 SWD

All,

This is notification of a release greater than 25 barrels that occurred yesterday at the Corral Canyon 16 SWD near the GPS coordinates given below. All of the fluids remained in containment and all standing fluids were recovered by vacuum truck. Details will be provided with a form C-141. Please contact us with any questions or concerns.

GPS: 32.13537,-103.99388

Thank you,

Garrett Green

Environmental Coordinator
Delaware Business Unit
(575) 200-0729
Garrett.Green@ExxonMobil.com

XTO Energy, Inc.

Green, Garrett J

From: Green, Garrett J

Sent: Monday, May 9, 2022 2:15 PM

To: 'ocd.enviro@state.nm.us'; 'Bratcher, Mike, EMNRD'; 'Hamlet, Robert, EMNRD'

Cc: DelawareSpills /SM

Subject: XTO 48 Hour Liner Inspection - Corral Canyon 16 SWD

Good afternoon,

This is sent as a 48-hour notification, XTO is scheduled to inspect the lined containment at Corral Canyon 16 SWD released on (5/5/2022), on Thursday, May 12, 2022, at 12pm MST. A 24 hour release notification was sent out on Friday, May 6, 2022 8:40 AM since the release was greater than 25 barrels in volume. Please call us with any questions or concerns.

GPS Coordinates: (32.13537,-103.99388)

Thank you,

Garrett Green

Environmental Coordinator
Delaware Business Unit
(575) 200-0729
Garrett.Green@ExxonMobil.com

XTO Energy, Inc.

Collins, Melanie

From: Hamlet, Robert, EMNRD < Robert.Hamlet@state.nm.us>

Sent: Monday, May 9, 2022 4:59 PM

To: Green, Garrett J

Cc: DelawareSpills /SM; Bratcher, Mike, EMNRD; Nobui, Jennifer, EMNRD; Harimon, Jocelyn,

EMNRD

Subject: RE: [EXTERNAL] XTO 48 Hour Liner Inspection - Corral Canyon 16 SWD

Follow Up Flag: Follow up Flag Status: Flagged

Garrett,

Thank you for the notification. Please include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

Robert Hamlet • Environmental Specialist - Advanced

Environmental Bureau
EMNRD - Oil Conservation Division
811 S. First Street | Artesia, NM 88210
575.909.0302 | robert.hamlet@state.nm.us
http://www.emnrd.state.nm.us/OCD/



From: Green, Garrett J <garrett.green@exxonmobil.com>

Sent: Monday, May 9, 2022 2:15 PM

To: Enviro, OCD, EMNRD <OCD.Enviro@state.nm.us>; Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>; Hamlet,

Robert, EMNRD < Robert. Hamlet@state.nm.us>

Cc: DelawareSpills /SM <DelawareSpills@exxonmobil.com>

Subject: [EXTERNAL] XTO 48 Hour Liner Inspection - Corral Canyon 16 SWD

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

Good afternoon,

This is sent as a 48-hour notification, XTO is scheduled to inspect the lined containment at Corral Canyon 16 SWD released on (5/5/2022), on Thursday, May 12, 2022, at 12pm MST. A 24 hour release notification was sent out on Friday, May 6, 2022 8:40 AM since the release was greater than 25 barrels in volume. Please call us with any questions or concerns.

GPS Coordinates: (32.13537,-103.99388)

Thank you,

Garrett Green

Environmental Coordinator
Delaware Business Unit
(575) 200-0729
Garrett.Green@ExxonMobil.com

XTO Energy, Inc.

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

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

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

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

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

CONDITIONS

Action 131219

CONDITIONS

Operator:	OGRID:	
XTO ENERGY, INC	5380	
6401 Holiday Hill Road	Action Number:	
Midland, TX 79707	131219	
	Action Type:	
	[C-141] Release Corrective Action (C-141)	

CONDITIONS

Created	Condition	Condition
Ву		Date
jnobui	Closure Report Approved. Please implement 19.15.29.13 NMAC when completing P&A.	8/29/2022